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LiteAPI Document for IPC

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1 Overview

1.1 Purpose

This document details the open LiteAPIs of IPC, calling methods, application scenarios, etc. This document provides a reference for developers who will develop functions based on these APIs.

1.2 Intended Audience

This document is intended for third-party manufacturers and developers engaging in application development based on the capabilities provided by the IPC.

Readers should possess the following skills to fully comprehend the content of this document:

- Proficient computer programming skills. One or more common programming languages such as Java, C++.
- Good knowledge of networking. Proficiency in network programing and familiarity with common protocols such as UDP, TCP, HTTP, RTSP, etc.

1.3 Reading Instructions

In order to quickly understand the API functions provided by the platform and to get started, it is recommended to follow the following sequence to read the remaining content of this document:

- Refer to the Glossary section to gain preliminary knowledge of the terminologies that may appear in the document.
- Refer to the Preparation section for the integration process.
- Refer to the Protocol Overview section to grasp the API invocation methods.
- Refer to the API Overview section to gain a preliminary understanding and insight into the capabilities provided by the platform.
- Read the Programming Guide section to understand the APIs required for the functionalities of each module and the related dispatch process. By following these steps, you can quickly locate specific module interfaces based on integration requirements and understand the API dispatch process.
- Read the API List section and search for APIs by category. By reading the descriptions of the APIs, understand their specific functions and select the ones that are needed.
- Complete coding and application development in accordance with API definitions.

1.4 Glossary

Terminology	Meaning
LiteAPI	Lightweight open interface based on the Restful style of the HTTP protocol.
Http Method	Method of the HTTP request. Commonly used methods include GET, POST, PUT, and DELETE.
Request Headers	Header information in the HTTP request.
HTTP URL	HTTP request path, referring to the part after the domain name/IP (port number).

	For example, the request address is "http://192.168.1.1:80/LAPI/V1.0/System/Time/NTP", then the URL refers to " /LAPI/V1.0/System/Time/NTP "
RTSP	Real Time Streaming Protocol (RTSP) is a network application protocol designed specifically for entertainment and communication systems to control streaming media service. This protocol is used to establish and control media sessions between terminals. Clients of the media server issue VCR commands, such as play, record, and pause, in order to control media streams from the server to the client (video on demand) or from the client to the server (voice recording) in real time.
RTP	Real time Transport Protocol (RTP) is a network transport protocol, which was published by the Multimedia Transport Working Group of the IETF in RFC 1889 in 1996.

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2 Preparation

2.1 Environment

When users connect to the device through LiteAPI, the device acts as the server and listens to fixed ports (80, 554), and the user program logs in to the device as the client for communication. This requires the device to have a fixed IP address and ensure that client requests can reach the device.

When the client subscribes to events from the device, it is necessary to ensure that the event push messages sent by the device can reach the event receiving server.

The user program functions as an HTTP client to access and configure the device; or as an RTSP client to play the live and recorded video on the device.

The HTTP server listens for alarm or event messages pushed by the device.

Hierarchical levels of messages in the network model.

2.2 Integration Development

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Please see Demo.

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3 Protocol Overview

3.1 Interface Rules

Transport Mode	HTTP/TCP,RTSP/TCP, RTSP/TCP/
URL format	/LAPI/V1.0[/Channels/<ID>]/<service-name>/<resource-name>[/<child-resource-name>][/<ID>]][?<key>=<value>] [ ]: Represents a parameter, which can be a string or an unsigned long integer. < >: Represents a video input channel (referred to as video channel for short) of a device. <ID>: Represents the video channel ID, which is an unsigned long integer. <Service-name>: We categorize services into several types, such as system, media, network, etc. <resource-name>: Includes physical resources and virtual resources.
Submission method	GET, PUT, POST, DELETE
Data format	Both requests and responses are in JSON formats.
Character encoding	All uses UTF-8 encoding.
Security authentication	HTTP Digest

3.2 Call Authentication

See Authentication in the Programming Guide section.

3.3 Rules of Return Values

The APIs are called in Json format.

- The request content format is as follows:

PUT /LAPI/V1.0/System/Time/NTP HTTP/1.1

```
{
  "Enabled":1,
  "AddressType":0,
  "Address":"24.56.178.140",
  "Port":123,
  "SynchronizeInterval":60
}
```

- The return format is as follows:

HTTP/1.1 200 Ok

```
{
  "Response":{
    "ResponseURL":"URL",
    "ResponseCode":0,
    "SubResponseCode":101,
    "ResponseString":"Succeed",
    "StatusCode":0,
    "Data":"Null"
  }
}
```

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ResponseURL: URL carried in the HTTP request. When the request uses the GET/PUT/DELETE method, the URL in the response is the same as the URL in the request. For a POST request, it is the URL of the newly created object. The client can use the URL to directly obtain the new object.

ResponseCode: Indicates the system processing result. 0 means success.

ResponseString: Indicates the analysis of system processing results.

Data: Represents the response to a request (GET), often in JSON format. If the URLs are the same, the data format of the PUT request is the same as that of the GET response. The Data item in the following tables lists the data of each API. If the server processing fails, the data will be “null”. If the HTTP request uses the PUT/POST method, the data in the response will be “null”.

3.4 Public Return Codes

3.4.1 HTTP Error Codes

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200 Normal: Request completed.

201 Normal: Followed by POST command.

202 Normal: Request has been received and is still being processed.

203 Normal: Partial info -- Only partial info was returned.

204 Normal: No response -- Request has been received, but there's no response to be returned.

3xx Redirect

301 Moved - The requested data has been moved to a new location permanently.

302 Found - The requested data is temporarily located at a different URL.

303 See Other - Please refer to another URL, where the response to the request can be found, and GET should be used to retrieve the response.

304 Unmodified - The document was not modified as expected.

305 Using Proxy - It is necessary to access the requested resource through the proxy provided in the URL.

306 Unused - No longer in use; this code is kept for future use.

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4xx Client Error

400 Bad Request - The request contains a syntax problem or cannot be fulfilled.

401 Unauthorized - The client is not authorized to access the data.

402 Payment Required - Indicates that the billing system is operational.

403 Forbidden - Access is forbidden, even with authorization.

404 Not Found - The server cannot find the requested resource; the document does not exist.

405 Method Not Allowed - The requested resource does not support the corresponding request method.

406 The client browser does not accept the MIME type of the requested page.

407 Proxy Authentication Required - The client must first authenticate itself with the proxy.

410 The requested webpage does not exist.

415 The media type is not supported - The server denies the request because it doesn't support the format of the request entity.

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5xx Server Error

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500 Internal Error - The server cannot fulfill the request due to unexpected circumstances.

501 Not Executed - The server does not recognize or does not support the corresponding request method.

502 Erroneous Gateway - The server received an invalid response from an upper level server.

503 Service Unavailable - The server is unable to process the request due to temporary overload or maintenance.

3.4.2 Internal Error Codes

Application errors, which are “ResponseCode”:

0: Succeed

1: Common Error

2: Invalid Arguments

3: Not Authorized

4: Not Supported

5: System Busy

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4 API Overview

This document provides APIs for the following functions:

- 1. Basic device information, including the model, name, and IP of the device.
- 2. Image parameters and OSD configuration of video channels.
- 3. Parameter configuration of audio channels.
- 4. Operations including PTZ control, preset, patrol, drag-to-zoom, absolute movement, and absolute zoom.
- 5. IO configuration and operations.
- 6. Media operations including video, audio, live view, broadcast, two-way audio.
- 7. Event configuration and subscription.
- 8. Smart functions API: face detection, multi-target detection, people flow counting, perimeter protection.
- 9. Device maintenance: log search, device restart, device upgrade, restoring factory defaults.

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5 Programming Guide

5.1 Security

5.1.1 Authentication

All LAPIs in this manual use Digest authentication. See RFC2617 document for more information.

The calculation rules for Digest authentication are as follows:

If qop=Undefined

Digest=MD5(MD5(A1):<nonce>:MD5(A2))

If qop="auth:"

Digest=MD5(MD5(A1):<nonce>:<nc>:<cnonce>:<qop>:MD5(A2))

If qop="auth-int:"

Digest=MD5(MD5(A1):<nonce>:<nc>:<cnonce>:<qop>:MD5(A2))

Among which, A1 and A2 are the two pieces of data used to calculate the digest.

If the digest algorithm is MD5:

A1=<user>:<realm>:<password>;

If the digest algorithm is MD5-sess:

A1=MD5(<user>:<realm>:<password>):<nonce>:<cnonce>.

If qop is undefined or if qop="auth:"

A2=<request-method>:<uri-directive-value>;

If qop="auth-int:"

A2=<request-method>:<uri-directive-value>:MD5(<request-entity-body>).

5.1.2 RSA

Obtain the RSA public key information being used by the device, including the E field and N field of the public key, for verifying certain security-sensitive operations. **The device needs to retrieve the RSA public key information after every restart.**

Function	API URL
Get the current RSA info of the system	GET /LAPI/V1.1/System/Security/RSA

5.2 Basic Info and Configuration

Get the basic device info, including device name, device type, device model, firmware version, etc.

Function	API URL
Get the basic device info	GET /LAPI/V1.0/System/DeviceInfo

5.3 System Time Configuration

Set the system time, Daylight Saving Time (DST), NTP server info, and time sync mode.

Function	API URL
Get or set the system time.	GET or PUT /LAPI/V1.0/System/Time

5.4 Geographic Location Info

Get or set geographic location info.

Function	API URL
Get or set geographic location info.	GET or PUT /LAPI/V1.0/System/GPS/BasicInfo

5.5 Connection Management

5.5.1 Add Channel

Add video channel.

Function	API URL
Add video channel.	POST /LAPI/V1.0/Channels/System/BasicInfos

5.5.2 Delete Channel

Delete video channels in batches. The number of channels to be deleted and the channel ID list are required.

Function	API URL
Delete video channels in batches.	DELETE /LAPI/V1.0/Channels/System/BasicInfos

5.5.3 Modify Video Channel Info

Function	API URL
Modify video channel info.	PUT /LAPI/V1.0/Channels/<ID>/System/BasicInfos

5.6 Video Channel Info and Configuration

5.6.1 Video Channel Info

Function	API URL
Get detailed info of all channels.	GET /LAPI/V1.0/Channels/System/ChannelDetailInfos

5.6.2 Image Parameter Configuration

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Get or set camera image parameters; get or set image exposure, image enhancement, and focus parameters; control illumination.

Function	API URL
Get the image parameters of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/Image/Capabilities
Get or set the image enhancement parameters of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Image/Enhance
Get or set the image exposure parameters of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Restore default image settings.	PUT /LAPI/V1.0/Channels/<ID>/Image/ImageParamReset

5.6.3 OSD Configuration

Get or set OSD parameters; get or set OSD styles and contents.

Function	API URL
Get the OSD capability of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities
Get or set the OSD styles of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Get or set the OSD content of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents

5.7 Storage Resource Info and Configuration

Get the storage container info list; get or set the recording and snapshot storage schedule.

Function	API URL
Get the storage container info list.	GET /LAPI/V1.0/Storage/Containers/DetailInfos
Get or set the recording schedule of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record

5.8 Alarm Input Info and Configuration

Get or set alarm input parameters; get or set the arming schedule and linkage actions of alarm input.

Function	API URL
Get the detailed info list of multiple alarm inputs.	GET /LAPI/V1.0/IO/InputSwitches/BasicInfos
Get or set the detailed info of a specified video channel.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Get or set the linkage actions of alarm input.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions

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Function	API URL
Get or set the arming schedule of alarm input.	GET or PUT /LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan

5.9 Alarm Output Info and Configuration

Get or set alarm output parameters; get or set the arming schedule of alarm output; manually trigger or clear alarm output.

Function	API URL
Get detailed info list of multiple alarm output channels.	GET /LAPI/V1.0/IO/OutputSwitches/BasicInfos
Get or set the basic info of alarm output.	GET or PUT /LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Get or set the arming schedule of alarm output.	GET or PUT /LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Manually trigger or clear alarm output.	PUT /LAPI/V1.0/IO/OutputSwitches/ManualAlarm

5.10 PTZ Capability

Get the PTZ related functions, including PTZ capability, PTZ control, preset configuration, and patrol configuration.

5.10.1 Capability

Get PTZ capability. The PTZ is bound with a video channel.

Function	API URL
Get the PTZ capability of a specified video channel.	GET /LAPI/V1.0/Channels/<ID>/PTZ/Capabilities

5.10.2 PTZ Control

PTZ control commands.

Function	API URL
PTZ control commands	PUT /LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl

5.10.3 Preset

Add, get, set, delete, and call a preset.

Function	API URL
Add and get a preset.	POST or GET /LAPI/V1.0/Channels/<ID>/PTZ/Presets
Delete and set a preset.	DELETE or PUT /LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>
Call (rotate toward) a preset.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>/Goto

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5.10.4 Drag to Zoom In

Drag to zoom in/out commands

Function	API URL
Drag to zoom in	PUT /LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn
Drag to zoom out	PUT /LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut

5.10.5 Patrol

Add, get, set, delete, start, stop a normal patrol and recorded patrol.

Function	API URL
Start patrol	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start
Stop patrol	PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop
Add, get or set patrol routes in batches.	POST or GET /LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Get or set patrol routes.	GET or PUT /LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Start recording patrol.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start
Stop recording patrol.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop
Start recording a patrol route.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord
Stop recording a patrol route.	PUT /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord
Get recorded patrol routes in batches.	GET /LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols

5.10.6 Absolute Move

Get or set pan/tilt position.

Function	API URL
Start patrol	GET or PUT /LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteMove

5.10.7 Absolute Zoom

Get or set zoom ratio.

Function	API URL
Start zoom	GET or PUT /LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteZoom

5.11 Media

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5.11.1 Capability

Get or set stream info.

Function	API URL
Get the media capability of the device.	GET /LAPI/V1.0/Media/Capabilities
Get video capability.	GET /LAPI/V1.0/Channels/<ID>/Media/Video/Capabilities
Get audio capability.	GET /LAPI/V1.0/Channels/<ID>/Media/Audio/Capabilities
Get snapshot capability.	GET /LAPI/V1.0/Channels/<ID>/Media/Snapshot/Capabilities

5.11.2 Video

Get or set stream info.

Function	API URL
Get or set all the stream info of a specified video channel.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Get or set the image collection format.	GET or PUT /LAPI/V1.0/Channels/<ID>/Media/Video/Mode

5.11.3 Live View

Request for live view functions, use the API to obtain an RTSP URL, and then use the RTSP protocol to request for media streams.

Function	API URL
Get the URL of a specified live video stream.	GET /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL

Process description:

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F1: The client sends an LAPI message to the device to obtain the RTSP URL of a specified live video stream.

F2: Get the live stream description info through RTSP's DESCRIBE message.

F3: Initiate stream setup through RTSP's SETUP message.

F4: Start live view through RTSP's PLAY message.

5.11.4 Audio

Get or set audio input and output parameters.

Function	API URL
Get or set audio input parameters.	GET or PUT /LAPI/V1.0/Media/Audio/Input
Get or set audio output parameters.	GET or PUT /LAPI/V1.0/Media/Audio/Output

5.11.5 Broadcast/Two-way audio

Two-way audio uses the API to obtain an RTSP URL, and then uses the RTSP protocol to request for media streams.

Function	API URL
Get the stream URL for two-way audio.	GET /LAPI/V1.0/Channels/<ID>/Media/Talk

Process description:

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F1: The client sends an LAPI message to the device to obtain the stream URL for two-way audio.

F2: Get the URLs for two-way audio through RTSP's DESCRIBE message.

F3: Initiate stream setup for two-way audio through RTSP's SETUP message.

F4: Transport audio steam data.

5.11.6 Snapshot

Take an instant snapshot, and get alarm image.

Function	API URL
Snapshot without preview	GET /LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Snapshot

Process description:

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F1: The client sends an LAPI message to the device to obtain the image or its URL.

F2: The image is returned directly through the interface.

F3: Or returns the image URL, through which the client can obtain the image.

5.12 Event and Alarm

5.12.1 Capability

Get alarm capability.

Function	API URL
Get alarm capability.	GET /LAPI/V1.0/Channels/<ID>/Alarm/Capabilities

5.12.2 Motion Detection Configuration

Get or set the parameters of motion detection and ultra motion detection (UMD); get the detection area, arming schedule, and linkage actions of motion detection and UMD.

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Function	API URL
Get or set the motion detection area type.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Get or set the parameters of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule
Get or set all the rectangular areas of motion detection and UMD.	GET /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas
Get or set a specified rectangular area of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAareas/<ID>
Get or set all the grid areas of motion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid
Get or set all the grid areas of motion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea
Get or set the arming schedule of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Get or set the linkage actions of motion detection and UMD.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions

5.12.3 Tampering Detection Configuration

Get or set tampering detection parameters; get or set the arming schedule and linkage actions of tampering detection.

Function	API URL
Get or set the basic info of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Get or set the linkage actions of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Get or set the arming schedule of tampering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan

5.12.4 Fire Detection

Get or set fire detection parameters; get the arming schedule, linkage actions, shield area rules, shield area projection mode, and fire detection mode of fire detection.

Function	API URL
Get or set fire detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Rule
Get or set the linkage actions of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/LinkageActions
Get or set the arming schedule of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/WeekPlan

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Function	API URL
Get and add shield area rules of fire detection.	POST or GET /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas
Set and delete shield area rules of fire detection.	DELETE or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas/<ID>
Get or set shield area projection mode of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldMode
Get or set shield area display status of fire detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldDisplay
Get or set fire detection mode.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Mode

5.12.5 Human Body Detection

Get or set human body detection parameters; get or set the arming schedule, linkage actions, and detection area of human body detection.

Function	API URL
Get or set the basic info of human body detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Get or set the linkage actions of human body detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Get or set the arming schedule of human body detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Get or set a specified area of human body detection.	GET or PUT /LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas

5.12.6 Face Detection

Get or set face/human body detection parameters; get or set face/human body detection rules, linkage actions, and arming schedule.

Function	API URL
Get or set enabled/disabled status of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Get or set face detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule
Get or set face detection areas.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections
Get or set a specified area of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>
Get or set the linkage actions of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions

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Function	API URL
Get or set the arming schedule of face detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans
Get or set face statistics resetting configuration.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset

5.12.7 Multi-Target Detection

Get or set multi-target detection parameters; get or set multi-target detection rules, linkage actions, and arming schedule.

Function	API URL
Get or set multi-target detection rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Get or set multi-target detection areas.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Get or set linkage actions of multi-target detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions
Get or set the arming schedule of multi-target detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan

5.12.8 People Flow Counting

Get or set people flow counting parameters, get tripwire and area people counting rules, arming schedule, and statistics resetting configuration and operation.

Function	API URL
Get or set tripwire people counting rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule
Get or set arming schedule of tripwire people counting.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Get or set statistics resetting configuration of tripwire people counting statistics.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Reset tripwire people counting statistics.	PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset
Get or set area people counting rules.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule
Get or set arming schedule of area people counting.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan

5.12.9 Elevator Entrance Detection

Get or set elevator entrance detection parameters; get or set the arming schedule, linkage actions, and detection area of elevator entrance detection.

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Function	API URL
Get or set the basic info of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Get or set linkage actions of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Get or set the arming schedule of elevator entrance detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan
Get or set a specified area of elevator entrance detection.	GET or PUT /LAPI/V1.0/Smart/AccessElevator/Areas/<ID>

5.12.10 High-rise Littering

Get or set high-rise littering parameters; get or set the arming schedule, linkage actions, and detection area of high-rise littering.

Function	API URL
Get or set the basic info of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Get or set linkage actions of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Get or set the arming schedule of high-rise littering.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan
Get or set all the areas of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Get or set a specified area of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>
Get or set all the shield areas of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas
Get or set a specified shield area of high-rise littering detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas/<ID>

5.12.11 Cross Line Detection

Get or set the configuration of cross line detection; get or set the arming schedule and linkage actions of cross line detection.

Function	API URL
Get or set the configuration of cross line detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule
Get or set all the cross line detection areas.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas

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Function	API URL
Get or set a specified area of cross line detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>
Get or set linkage actions of cross line detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions
Get or set arming schedule of cross line detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan

5.12.12 Intrusion Detection

Get or set the configuration of intrusion detection; get or set the arming schedule and linkage actions of intrusion detection.

Function	API URL
Get or set the configuration of intrusion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule
Get or set all the areas of intrusion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas
Get or set a specified area of intrusion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>
Get or set linkage actions of intrusion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions
Get or set arming schedule of intrusion detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan

5.12.13 Leave Area

Get or set the configuration of leave area detection; get or set the arming schedule and linkage actions of leave area detection.

Function	API URL
Get or set the configuration of leave area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule
Get or set all the areas of leave area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas
Get or set a specified area of leave area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>
Get or set the linkage actions of leave area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions
Get or set the arming schedule of leave area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan

5.12.14 Enter area

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Get or set the configuration of enter area detection; get or set the arming schedule and linkage actions of enter area detection.

Function	API URL
Get or set the configuration of enter area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule
Get or set all the areas of enter area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas
Get or set a specified area of enter area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>
Get or set the linkage actions of enter area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions
Get or set the arming schedule of enter area detection.	GET or PUT /LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan

5.12.15 Event and Alarm subscribe

The client can send a “create subscription task” request to the device to subscribe to events or alarms from the device. When an event or alarm is generated on the device, the device will push the event or alarm message to the client.

Function	API URL
Create subscription task	POST /LAPI/V1.0/System/Event/Subscription
Keep-alive subscription task	PUT /LAPI/V1.0/System/Event/Subscription/<ID>
Delete subscription task	DEL /LAPI/V1.0/System/Event/Subscription/<ID>
Push event or alarm	POST /LAPI/V1.0/System/Event/Notification/…

Process description:

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F1: Subscribers initiate a "create subscription task" request to publishers, specifying the recipient info and the validity period of the subscription task in the request.

F2: If an event or alarm occurs, the publisher reports the event or alarm to the recipient.

F3: Periodically, within the validity period of the subscription task, the subscriber initiates a "subscription keep-alive task" to the publisher to ensure the validity of the subscription task. If the subscription task times out and becomes invalid, and the subscriber does not initiate a “subscription keep-alive task" request to the publisher, the publisher will automatically destroy the expired subscription task.

F4: If necessary, the subscriber can initiate a "delete subscription task" request to the publisher to actively delete the subscription task.

5.13 Face Recognition

Process of using the face recognition function:

1. Enable face capture and face comparison functions on the camera.
2. Create a person library.

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3. Input person info.
4. Enable monitoring.
5. Search data or subscribe to events.

5.13.1 Person Library Configuration

Create, delete, modify, search person library info; get capacity info of person library.

Function	API URL
Create person library info	POST /LAPI/V1.0/PeopleLibraries/BasicInfo
Delete person library info	DELETE /LAPI/V1.0/PeopleLibraries/<ID>
Modify person library info	PUT /LAPI/V1.0/PeopleLibraries/BasicInfo
Get person library info	GET /LAPI/V1.0/PeopleLibraries/BasicInfo
Get capacity info of person library	GET /LAPI/V1.0/PeopleLibraries/Capacity

5.13.2 Person Info Configuration

Add, delete, modify person info; search person info with criteria.

Function	API URL
Add person info	POST /LAPI/V1.0/PeopleLibraries/<ID>/People
Delete a specified person from a specified library.	DELETE /LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>
Modify person info	PUT /LAPI/V1.0/PeopleLibraries/<ID>/People
Search person info with criteria	POST /LAPI/V1.0/PeopleLibraries/<ID>/People/Info

5.13.3 Status of Smart Function

Get or set the smart function's enabled/disabled status of the device.

Function	API URL
Get the enabled/disabled status of the smart function.	GET /LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus
Set the enabled/disabled status of the smart function.	PUT /LAPI/V1.0/Channels/<ID>/Smart/WorkingStatus

5.13.4 Face Monitoring

Add, delete, modify, get monitoring task info; get or set the rules, linkage actions, and arming schedule of monitoring task.

Function	API URL
Add a monitoring task	POST /LAPI/V1.0/Smart/Face/Recognition/Monitor

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Function	API URL
Delete monitoring tasks in batches	DELETE /LAPI/V1.0/Smart/Face/Recognition/Monitor
Delete monitoring task.	DELETE /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Modify monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Get the info of all monitoring tasks.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor
Get the info of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Get the rules of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Set monitoring task rules.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Get the linkage actions of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Set the linkage actions of a monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Get the arming schedule of a monitoring task.	GET /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Set arming schedule of a monitoring task.	PUT /LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan

5.14 Operation and Maintenance

5.14.1 Log Search

Search device logs; supports searching logs by criteria such as log type, time range, and pagination.

Function	API URL
Search Logs	POST /LAPI/V1.0/System/Logs

5.14.2 Device Restart

Restart device.

Function	API URL
Restart device	PUT /LAPI/V1.0/System/Reboot

5.14.3 Device Upgrade

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Upgrade device firmware version, including performing upgrade, uploading version file, querying upgrade status.

Function	API URL
Upgrade device firmware.	PUT /LAPI/V1.0/System/Upgrade
Upload firmware version	POST /LAPI/V1.0/System/UploadFirmware
Get device upgrade status.	GET /LAPI/V1.0/System/UpgradeStatus

Firmware upgrade flowchart:

5.14.4 Restore Factory Defaults

Restore the device to defaults, including Default and Factory Default.

Default: Restore factory default settings, except user settings and network settings.

Factory Default: Restore all default settings, including user settings and network settings.

Function	API URL
Restore device to default settings.	PUT /LAPI/V1.0/System/FactoryReset

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6 API List

6.1 System

6.1.1 Time

6.1.1.1 Get Device Time Information

6.1.1.1.1 Overview

Names	Description
Interface description	Get Device Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time
Interface request method	GET
How to submit data	application/json

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6.1.1.1.2 URL Description

None

6.1.1.1.3 Request Parameters

None

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6.1.1.1.4 Example for Request Parameters

None

6.1.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result

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Parameter names	Parameter type	Parameter location	Required	Description
++TimeZone	string	body	true	Time zone character string, range: [1, 255], Cannot be entered freely, can only be selected from the following string enumeration: "GMT-12:00" "GMT-11:00" "GMT-10:00" "GMT-09:00" "GMT-08:00" "GMT-07:00" "GMT-06:00" "GMT-05:00" "GMT-04:30" "GMT-04:00" "GMT-03:30" "GMT-03:00" "GMT-02:00" "GMT-01:00" "GMT-00:00" "GMT+01:00" "GMT+02:00" "GMT+03:00 "GMT+03:30" "GMT+04:00" "GMT+04:30" "GMT+05:00" "GMT+05:30" "GMT+05:45" "GMT+06:00" "GMT+06:30" "GMT+07:00" "GMT+08:00" "GMT+09:00" "GMT+09:30" "GMT+10:00" "GMT+11:00" "GMT+12:00" "GMT+13:00"
++DeviceTime	integer	body	true	UTC time, in seconds

6.1.1.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "TimeZone": "string",
      "DeviceTime": 0
    }
  }
}
```

6.1.1.2 Configuring Device Time Information

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6.1.1.2.1 Overview

Names	Description
Interface description	Example for Returning Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time
Interface request method	PUT
How to submit data	application/json

6.1.1.2.2 URL Description

None

6.1.1.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
TimeZone	string	body	true	Time zone character string, range: [1, 255], Cannot be entered freely, can only be selected from the following string enumeration: "GMT-12:00""GMT-11:00""GMT-10:00""GMT-09:00""GMT-08:00""GMT-07:00""GMT-06:00""GMT-05:00""GMT-04:30""GMT-04:00""GMT-03:30""GMT-03:00""GMT-02:00""GMT-01:00""GMT-00:00""GMT+01:00""GMT+02:00""GMT+03:00""GMT+03:30""GMT+04:00""GMT+04:30""GMT+05:00""GMT+05:30""GMT+05:45""GMT+06:00""GMT+06:30""GMT+07:00""GMT+08:00""GMT+09:00""GMT+09:30""GMT+10:00""GMT+11:00""GMT+12: 00""GMT+13:00"
DeviceTime	integer	body	true	Device UTC time, UTC time, in seconds

6.1.1.2.4 Example for Request Parameters

```
{
   "TimeZone": "string",
   "DeviceTime": 0
}
```

6.1.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.1.2.6 Example for Returning Parameters

```
{
   "Response": {
   "ResponseURL": "/LAPI/V1.0/System/Time",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.1.1.3 Get Device Time Synchronization Method

6.1.1.3.1 Overview

Names	Description
Interface description	Get Device Time Synchronization Method
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/SyncMode
Interface request method	GET
How to submit data	application/json

6.1.1.3.2 URL Description

None

6.1.1.3.3 Request Parameters

None

6.1.1.3.4 Example for Request Parameters

None

6.1.1.3.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Mode	integer	body	true	Time synchronization method 0: The default time synchronization mode is the same as the original time synchronization policy 1: The time synchronization source is from the sdk (UI configuration). 2: Time synchronization source is from stor (photo server) 3: Time synchronization source is from NET (NTP server) 4: Time synchronization source is from cc (management server non-ONVIF protocol) 5: Time synchronization source is from onvif (management server onvif protocol) 6: The time synchronization source is from the cloud server 7: The time synchronization source is from GPS/Beidou module

6.1.1.3.6 Example for Returning Parameters

```
{
  "Response": {
  "ResponseURL": "Request interface URL",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 0
    }
  }
}
```

6.1.1.4 Configuring Device Time Synchronization Mode

6.1.1.4.1 Overview

Names	Description
Interface description	Configuring Device Time Synchronization Mode
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/SyncMode
Interface request method	PUT

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Names	Description
How to submit data	application/json

6.1.1.4.2 URL Description

None

6.1.1.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Time synchronization method 0: The default time synchronization mode is the same as the original time synchronization policy 1: The time synchronization source is from the sdk (UI configuration). 2: Time synchronization source is from stor (photo server) 3: Time synchronization source is from NET (NTP server) 4: Time synchronization source is from cc (management server non-ONVIF protocol) 5: Time synchronization source is from onvif (management server onvif protocol) 6: The time synchronization source is from the cloud server 7: The time synchronization source is from GPS/Beidou module

6.1.1.4.4 Example for Request Parameters

```
{
   "Mode": 0
}
```

6.1.1.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.1.4.6 Example for Returning Parameters

```
{
   "Response": {
```

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```
        "ResponseURL": "/LAPI/V1.0/System/Time/SyncMode",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

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6.1.1.5 Get NTP Server Information

6.1.1.5.1 Overview

Names	Description
Interface description	Get NTP Server Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/NTP
Interface request method	GET
How to submit data	application/json

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6.1.1.5.2 URL Description

None

6.1.1.5.3 Request Parameters

None

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6.1.1.5.4 Example for Request Parameters

None

6.1.1.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result

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Parameter name	Parameter type	Parameter location	Required	Description
++Num	integer	body	true	Number of NTP servers Currently, only one Num server is supported. Therefore, the maximum NUM value must be 1 Value range: [1, 1]
++NTPServerInfos	object[]	body	true	NTP Server Information
+++Enabled	integer	body	true	The NTP service is enabled 0: disables the NTP service 1: On
+++AddressType	integer	body	true	Address type IPV6 is not supported yet 0: IPV4 1: IPV6 2: Domain name
+++IPAddress	string	body	false	NTP server IP address If AddressType is 0, this parameter is mandatory String length range: [0, 63]
+++DomainName	string	body	false	NTP server domain name If AddressType is 2, this parameter is mandatory String length range: [0, 63]
+++Port	integer<uint32>	body	false	NTP port Value range: [1, 65535]
+++SynchronizeInterval	integer	body	true	NTP synchronization interval The following time periods need to be converted to a time value in seconds The value ranges from 30 to 86400s

6.1.1.5.6 Example for Returning Parameters

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```
{
   "Response": {
   "ResponseURL": "/LAPI/V1.0/System/Time/NTP",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Num": 1,
         "NTPServerInfos": [
            {
               "Enabled": 1,
               "AddressType": 0,
               "IPAddress": "192.168.1.13",
               "DomainName": "string",
               "Port": 8088,
               "SynchronizeInterval": 300
            }
         ]
      }
   }
}
```

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6.1.1.6 Configuring NTP Server Information

6.1.1.6.1 Overview

Names	Description
Interface description	Configure NTP Server Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/NTP
Interface request method	PUT
How to submit data	application/json

6.1.1.6.2 URL Description

None

6.1.1.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of NTP servers Currently, only one Num is supported. Therefore, the maximum value of NUM is 1 Value range: [1, 1]
NTPServerInfos	object[]	body	true	NTP Server Information
+Enabled	integer	body	true	The NTP service is enabled 0: disables the NTP service 1: On
+AddressType	integer	body	true	Address type IPV6 is not supported yet 0: IPV4 1: IPV6 2: Domain name
+IPAddress	string	body	false	NTP server IP address If AddressType is 0, this parameter is mandatory String length range: [0, 63]
+DomainName	string	body	false	NTP server domain name If AddressType is 2, this parameter is mandatory String length range: [0, 63]
+Port	integer<uint32>	body	false	NTP port Value range: [1, 65535]
+SynchronizeInterval	integer	body	true	NTP synchronization interval The following time periods need to be converted to time values in seconds The value ranges from 30 to 86400s

6.1.1.6.4 Example for Request Parameters

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```
{
  "Num": 1,
  "NTPServerInfos": [
    {
      "Enabled": 1,
      "AddressType": 0,
      "SynchronizeInterval": 300,
      IPAddress: "192.168.1.13",
      "Port": 8088
    }
  ]
}
```

6.1.1.6.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.1.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time/NTP",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.1.1.7 Get Daylight Saving Time Information

6.1.1.7.1 Overview

Names	Description
Interface description	Get Daylight Saving Time Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/DST

Names	Description
Interface request method	GET
How to submit data	application/json

6.1.1.7.2 URL Description

None

6.1.1.7.3 Request Parameters

None

6.1.1.7.4 Example for Request Parameters

None

6.1.1.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Enabled	integer	body	true	Enable daylight saving time Default value: 1 0: Off 1: On
++BeginTime	object	body	true	DST start time configuration Information
+++Month	integer	body	true	Starting month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August 9: September 10: October 11: November 12: December

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Parameter names	Parameter type	Parameter location	Required	Description
+++WeekNum	integer	body	true	It starts in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+++WeekDay	integer	body	true	Begins on the day of the week X of the month, following the ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+++Hour	integer	body	true	Start time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
++EndTime	object	body	true	DST end time configuration Information
+++Month	integer	body	true	The end month follows ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August 9: September 10: October 11: November 12: December

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Parameter names	Parameter type	Parameter location	Required	Description
+++WeekNum	integer	body	true	End in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+++WeekDay	integer	body	true	Ends on the day of week X of the month, following ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+++Hour	integer	body	true	End time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
++DSTBias	integer	body	true	Time offset Unit minute, configurable values are: 30, 60, 90, 120

6.1.1.7.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time/DST",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
```


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```
        "BeginTime": {
            "Month": 12,
            "WeekNum": 1,
            "WeekDay": 3,
            "Hour": 9
        },
        "EndTime": {
            "Month": 12,
            "WeekNum": 1,
            "WeekDay": 3,
            "Hour": 12
        },
        "DSTBias": 0
    }
  }
}
```

6.1.1.8 Configuring Daylight Saving Time Information

6.1.1.8.1 Overview

Names	Description
Interface description	Configure daylight saving time
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Time/DST
Interface request method	PUT
How to submit data	application/json

6.1.1.8.2 URL Description

None

6.1.1.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable daylight saving time Other parameters can be left blank when DST is disabled 0: Off 1: On
BeginTime	object	body	true	DST start time configuration Information
+Month	integer	body	true	Starting month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August

Parameter names	Parameter type	Parameter location	Required	Description
				9: September 10: October 11: November 12: December
+WeekNum	integer	body	true	Begins in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+WeekDay	integer	body	true	Begins on the day of the week X of the month, following the ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+Hour	integer	body	true	Start time The unit hour (24 hours) complies with ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
EndTime	object	body	true	DST end time configuration Information
+Month	integer	body	true	End of month, follow ISO8601 standard 1: January 2: February 3: March 4: April 5: May 6: June 7: July 8: August

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Parameter names	Parameter type	Parameter location	Required	Description
				9: September 10: October 11: November 12: December
+WeekNum	integer	body	true	End in the week of the month 1: The first week 2: The second week 3: Week Three 4: Week Four 5: Last week
+WeekDay	integer	body	true	Ends on the day of week X of the month, following ISO8601 standard 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday
+Hour	integer	body	true	End time Unit hour (24 hour system), according to ISO8601 standard 0:00:00 1:01:00 2:02:00 3:03:00 4:04:00 5:05:00 6:06:00 7:07:00 8:08:00 9:09:00 10:10:00 11:11:00 12:12:00 13:13:00 14:14:00 15:15:00 16:16:00 17:17:00 18:18:00 19:19:00 20:20:00 21:21:00 22:22:00 23:23:00
DSTBias	integer	body	true	Time offset Unit minute, configurable values are: 30, 60, 90, 120

6.1.1.8.4 Example for Request Parameters

```
{
    "Enabled": 1,
    "BeginTime": {
      "Month": 5,
      "WeekNum": 1,
```

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```
        "WeekDay": 6,
        "Hour": 0
    },
    "EndTime": {
        "Month": 8,
        "WeekNum": 1,
        "WeekDay": 1,
        "Hour": 0
    },
    "DSTBias": 30
}
```

6.1.1.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.1.8.6 Example for Returning Parameters

```
{
    "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Time/DST",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.1.2 Logs

6.1.2.1 Query Logs

6.1.2.1.1 Overview

name	Description
Interface description	Query Logs
Interface version	V1.0

name	Description
Interface address	/LAPI/V1.0/System/Logs
Interface request method	POST
How to submit data	application/json

6.1.2.1.2 URL Description

None

6.1.2.1.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria Value range: [1, 4]
QueryInfos	object[]	body	false	Query the list of condition Information When Num is 0, this object is optional
+QryType	integer	body	true	Query criteria 4: Time, in UTC format, in seconds 5: Service type (equivalent to main type) 6: Operation type (equivalent to sub-type)
+QryCondition	integer	body	true	Query the conditional logical type 0: equal 1: greater than 2: Less than 3: The value is greater than or equal to 4: less than or equal to
+QryData	string	body	false	The alarm type is a string. Multiple types of query are supported. Separate alarm types with commas (,). A maximum of 16 alarm types are supported at one time. When the value of QryCondition is 6 or 7, this field is not required. String length range: [0, 63]
Limit	integer	body	true	Quantity per query Value range: [1, 100]
Offset	integer	body	true	Start the query from the current serial number The initial sequence number starts at 0 This field has a minimum value of 0

6.1.2.1.4 Example for Request Parameters

```
{
   "Num": 4,
   "Limit": 200,
   "Offset": 0,
   "QueryInfos": [
      {
         "QryType": 4,
         "QryCondition": 3,
```

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```
        "QryData": "1685389939"
      },
      {
        "QryType": 4,
        "QryCondition": 4,
        "QryData": "1705389939"
      },
      {
        "QryType": 5,
        "QryCondition": 0,
        "QryData": "AllTypes"
      },
      {
        "QryType": 6,
        "QryCondition": 0,
        "QryData": "AllTypes"
      }
    ]
}
```

6.1.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Total	integer	body	true	Total number of logs
++Offset	integer	body	true	Start the query from the current serial number The serial number starts at 0
++Num	integer	body	true	The number of logs returned by the current page Value range: [0, 100]
++Logs	object[]	body	false	Log Information list This object is optional when Num is 0
+++Time	integer	body	true	Time when the log occurs The value is in UTC time format, in seconds
+++MainType	string	body	true	Log master Type See 7.3 Alarm Types for details String length range: [0, 63]
+++SubType	string	body	true	Sunchi subtype See 7.3 Alarm Types for details
+++ID	integer	body	false	Channel number

Parameter names	Parameter type	Parameter location	Required	Description
				This field is required when the log involves the channel number. 0 indicates the device itself. The value starts from 1, indicating a specific channel number. Indicates the input/output alarm number when it comes to input/output alarm configurations and alarms Not supported on some models
+++LoginName	string	body	true	Operating user String length range: [0, 64]
+++IP	string	body	true	Operating user IP String length range: [0, 64]
+++Result	integer	body	false	Action result Not supported on some models

6.1.2.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Logs",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 0,
      "Offset": 0,
      "Num": 0,
      "Logs": [
        {
          "Time": 0,
          "MainType": "Alarm",
          "SubType": "MotionDetectionStart",
          "ID": 0,
          "LoginName": "string",
          "IP": "string",
          "Result": 0
        }
      ]
    }
  }
}
```


6.1.3 Reboot

6.1.3.1 Restarting The Device

6.1.3.1.1 Overview

Names	Description
Interface description	Restarting The Device
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/System/Reboot
Interface request method	PUT
How to submit data	application/json

6.1.3.1.2 URL Description

None

6.1.3.1.3 Request Parameters

None

6.1.3.1.4 Example for Request Parameters

None

6.1.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.3.1.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Reboot".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.1.4 Upgrade

6.1.4.1 Performing Device Software Upgrade

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6.1.4.1.1 Overview

Names	Description
Interface description	When local upgrade, can pass/LAPI/V1.0/System/UploadFirmware upload software version. Can/LAPI/V1.0/System/UpgradeStatus interface to track the status of upgrade
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Upgrade
Interface request method	PUT
How to submit data	application/json

6.1.4.1.2 URL Description

None

6.1.4.1.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
UpgradeType	integer	body	true	Upgrade type Some device models do not support 2 1: Cloud upgrade 2: USB flash drive upgrade 3: Local upgrade 4: Peripheral upgrade (not supported by some device models)
PeripheralID	integer	body	true	This parameter is required for upgrade. This parameter is supported when the upgrade type is 4
FilePath	string	body	false	The cloud upgrade gets the URL of the image, the URL does not need authentication, length [1,512] bytes Not supported by some device models

6.1.4.1.4 Examples Of Request Parameters

```
{
   "UpgradeType": 1,
   "PeripheralID": 0,
   "FilePath": "http://Path..."
}
```

6.1.4.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

6.1.4.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Upgrade",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.1.4.2 Uploading Software Version

6.1.4.2.1 Overview

Names	Description
Interface description	Can/LAPI/V1.0/System/UpgradeStatus interface to track the status of upgrade Not supported by some device models
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UploadFirmware
Interface request method	POST
How to submit data	application/json

6.1.4.2.2 URL Description

None

6.1.4.2.3 Request Parameters

Description
The Content-Dispostion line, Content-Type line, and blank line are also standard file transfer http message bodies

6.1.4.2.4 Example for Request Parameters

```
Accept-Encoding: gzip, deflate
```

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```
Content-Length: 25665652
Content-Type: multipart/form-data;  boundary=----------------------------5851473516029
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- 5851473516029
Content-Disposition: form-data;  name="UpgradeFile";  filename="Program.bin"
Content-Type: application/octet-stream
File contents
-- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- 5851473516029 -
```

6.1.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.4.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/UploadFirmware",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.1.4.3 Query The Upgrade Status Of The Device

6.1.4.3.1 Overview

Names	Description
Interface description	Query The Upgrade Status Of The Device
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UpgradeStatus
Interface request method	GET
How to submit data	application/json

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6.1.4.3.2 URL Description

None

6.1.4.3.3 Request Parameters

None

6.1.4.3.4 Example for Request Parameters

None

6.1.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Video input channel number At the interface/LAPI/V1.0/System/UpgradeStatus the value in the meaningless, the default is 0 At the interface/LAPI/V1.0/Channels/System/UpgradeStatuses the value is in the video input channel number
++Status	integer	body	true	Upgrade status 0: Initializing 1: Query 2: Downloading 3: in transit 4: Upgrading 5: Upgrade error 6: It is the latest version 7: A later version is available 8: Upgrade completed 9: Failed to Get the upgrade progress 10: The version does not match 11: Multiple upgrade processes cannot be loaded at the same time 14: The version firmware package is abnormal and the conference movement is used
++Percent	integer	body	true	Percentage of upgrade progress The transfer progress percentage is displayed only when the upgrade begins to transfer data (3: in transit), and the rest is 0 Value range: [0, 100]

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6.1.4.3.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/UpgradeStatus",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Status": 4,
      "Percent": 50
    }
  }
}
```

6.1.5 Equipment

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6.1.5.1 Get Device Information

6.1.5.1.1 Overview

Names	Description
Interface description	Get Device Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/DeviceInfo
Interface request method	GET
How to submit data	application/json

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6.1.5.1.2 URL Description

None

6.1.5.1.3 Request Parameters

None

6.1.5.1.4 Example for Request Parameters

None

6.1.5.1.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Video input channel number The ID in DeviceInfo returned by this interface is always 0, meaningless Value range: [0,]
++DeviceName	string	body	true	Device name String length range: [0, 127]
++DeviceType	integer	body	true	Device type 0: IPC 1: NVR 2: DVR 3: VMS 4: HNVR 5: PMS
++DeviceTypeV2	string	body	false	Device Type 2 For details, see 7.1.3 Device Type. This field prevails after implementation Some models are not supported
++DeviceCode	integer	body	true	Device number Value range: [0, 255] Default value: 1
++DeviceModel	string	body	true	Device model number String length range: [0, 255]
++SerialNumber	string	body	true	Device serial number String length range: [0, 255]
++FirmwareVersion	string	body	true	Software version program version. The value contains 0 to 255 characters String length range: [0, 255]
++HardwareID	string	body	true	Hardware identification String length range: [0, 255]
++UbootVersion	string	body	true	UBOOT Boot version String length range: [0, 255]
++BuildDate	object	body	false	Release time Not supported on some device models
+++Year	integer	body	true	Vintage Not supported on some device models
+++Month	integer	body	true	Months Not supported on some device models Value range: [1, 12]

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Parameter names	Parameter type	Parameter location	Required	Description
+++Day	integer	body	true	day Not supported on some device models Value range: [1, 31]
+++Hour	integer	body	true	when Not supported by some device models Value range: [0, 23]
+++Minute	integer	body	true	points Not supported on some device models Value range: [0, 59]
++Manufacturer	string	body	false	Vendor name Some device models are not supported String length range: [1, 64] Default: UNIVIEW
++ProtoName	string	body	false	Device prototype name (using BASE64 encryption) Not supported by some device models String length range: [0, 255]
++PowerType	integer<uint32>	body	false	Power supply method Not supported by some device models 0: normal power supply (power supply equipment) 1: Low power supply (low power battery powered devices)

6.1.5.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/DeviceInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "DeviceName": "NVR-B200-E4",
      "DeviceType": 0,
      "DeviceTypeV2": "IPC",
      "DeviceCode": 1,
      "DeviceModel": "NVR-B200-E4",
      "SerialNumber": "210235C1MPF158000503",
      "FirmwareVersion": "R2318P05",
      "HardwareID": "A",
      "UbootVersion": "V1.4",
      "BuildDate": {
        "Year": 1949,
        "Month": 10,
        "Day": 1,
        "Hour": 15,
        "Minute": 0
      },
      "Manufacturer": "UNIVIEW",
      "ProtoName": "T1ZSMzAxLTA0Uy1EVA==",
      "PowerType": 0
    }
  }
```


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```
}
```

6.1.6 Channels

6.1.6.1 Query The Details Of All Channels

6.1.6.1.1 Overview

Names	Description
Interface description	Query The Details Of All Channels
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/System/ChannelDetailInfos
Interface request method	GET
How to submit data	application/json

6.1.6.1.2 URL Description

None

6.1.6.1.3 Request Parameters

None

6.1.6.1.4 Example for Request Parameters

None

6.1.6.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Nums	integer	body	true	Number of channels The number of all video channels on the device Value range: [0, 2]

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Parameter names	Parameter type	Parameter location	Required	Description
++DetailInfos	object[]	body	false	Video channel details list This node is optional when Nums is 0
+++ID	integer	body	true	Channel number Value range: [1,] Default value: 1
+++Name	string	body	true	Channel name String length range: [0, 63]
+++Status	integer	body	true	Channel status 0: Offline 1: Online
+++PoEStatus	integer	body	false	PoE port status When IsPoEPort=0, this field is not available 1: Normal 2: Underpowered 4: Port load power exceeds rated power 8: The port does not need power supply
+++StreamNums	integer	body	true	Number of media streams Number of supported media streams, without this field when Status=2
+++AddressInfo	object	body	false	Device address Information This field is not available when Status=2 Not supported on some models
++++AddressType	integer	body	true	The address type can be IPv4 or IPv6 Value range: [0, 1] 0: IPV4 1: IPV6
++++Address	string	body	true	Device IP address, range: [0, 128]
++++Port	integer	body	true	Server port Value range: [1, 65535] Default value: 80
++++AccessAddress	string	body	true	Device access address String length range: [0, 63]
++++MAC	string	body	true	Access device MAC address String length range: [0, 63]
+++DDNSAddress	string	body	false	DDNS server address This option is required when AddType is 2 String length range: [0, 64]
+++GBID	string	body	false	National standard resource coding String length range: [0, 31]
+++PtzSupport	integer	body	true	Whether PTZ is supported or not 0: Supported 1: not supported
+++CameraType	integer	body	true	Camera type Some models not supported 1: Gun

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Hemisphere 3: Ball machine

6.1.6.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "string",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "string",
    "StatusCode": 0,
    "Data": {
      "Nums": 2,
      "DetailInfos": [
        {
          "ID": 1,
          "Name": "IP Camera 01",
          "Status": 1,
          "StreamNums": 3,
          "DeviceType": 1,
          "PtzSupport": 0
        },
        {
          "ID": 2,
          "Name": "IP Camera 02",
          "Status": 1,
          "StreamNums": 3,
          "DeviceType": 1,
          "PtzSupport": 0
        }
      ]
    }
  }
}
```

6.1.6.2 Get Device Information For The Specified Channel

6.1.6.2.1 Overview

Names	Description
Interface description	Get Device Information For The Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/System/DeviceInfo
Interface request method	GET
How to submit data	application/json

6.1.6.2.2 URL Description

None

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6.1.6.2.3 Request Parameters

None

6.1.6.2.4 Example for Request Parameters

None

6.1.6.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++ID	integer	body	true	Video input channel number The ID in DeviceInfo returned by this interface is always 0, meaningless Value range: [0,]
++DeviceName	string	body	true	Device name String length range: [0, 127]
++DeviceType	integer	body	true	Device type Value range: [0, 5] 0: IPC 1: NVR 2: DVR 3: VMS 4: HNVR 5: PMS
++DeviceTypeV2	string	body	false	Device Type 2 For details, see 7.1.3 Device Type. This field prevails after implementation Some models are not supported
++DeviceCode	integer	body	true	Device number Value range: [0, 255] Default value: 1
++DeviceModel	string	body	true	Device model number String length range: [0, 255]
++SerialNumber	string	body	true	Device serial number String length range: [0, 255]
++FirmwareVersion	string	body	true	Software version program version. The value contains 0 to 255 characters

Parameter names	Parameter type	Parameter location	Required	Description
				String length range: [0, 255]
++HardwareID	string	body	true	Hardware identification String length range: [0, 255]
++UbootVersion	string	body	true	UBOOT Boot version String length range: [0, 255]
++BuildDate	object	body	false	Release time Not supported on some device models
+++Year	integer	body	true	Vintage Not supported on some device models
+++Month	integer	body	true	Months Not supported on some device models Value range: [1, 12]
+++Day	integer	body	true	day Not supported on some device models Value range: [1, 31]
+++Hour	integer	body	true	when Not supported by some device models Value range: [0, 23]
+++Minute	integer	body	true	points Not supported on some device models Value range: [0, 59]
++Manufacturer	string	body	false	Vendor name Not supported on some device models String length range: [1, 64] Default: UNIVIEW
++ProtoName	string	body	false	Device prototype name (using BASE64 encryption) Not supported by some device models String length range: [0, 255]
++PowerType	integer<uint32>	body	false	Power supply method Not supported by some device models 0: normal power supply (power supply device) 1: Low power supply (low power battery powered devices)

6.1.6.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/DeviceInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "DeviceName": "NVR-B200-E4",
      "DeviceType": 0,
      "DeviceTypeV2": "IPC",
```

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```
        "DeviceCode": 1,
        "DeviceModel": "NVR-B200-E4",
        "SerialNumber": "210235C1MPF158000503",
        "FirmwareVersion": "R2318P05",
        "HardwareID": "A",
        "UbootVersion": "V1.4",
        "BuildDate": {
          "Year": 1949,
          "Month": 10,
          "Day": 1,
          "Hour": 15,
          "Minute": 0
        },
        "Manufacturer": "UNIVIEW",
        "ProtoName": "T1ZSMzAxLTA0Uy1EVA==",
        "PowerType": 0
      }
    }
}
```


6.1.7 Abilities

6.1.7.1 Get The System Capability Set Of The Device

6.1.7.1.1 Overview

Names	Description
Interface description	Get The System Capability Set Of The Device
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Capabilities
Interface request method	GET
How to submit data	application/json

6.1.7.1.2 URL Description

None

6.1.7.1.3 Request Parameters

None

6.1.7.1.4 Example for Request Parameters

None

6.1.7.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++SupportedChannelNums	integer<uint32>	body	false	Number of supported video input channels Some device models are not supported
++AudioFile	object	body	true	Import audio file ability
+++MaxNum	integer<uint32>	body	true	The maximum number of alarm audio files supported The alarm files can be imported and built-in audio files
+++MaxSize	integer<uint32>	body	true	Supports importing the maximum size of a single audio file In KB
+++FormatNum	integer<uint32>	body	true	Number of supported imported audio file formats
+++FormatList	string	body	false	File support import audio format list Format xx; xx; xx; ... This field is optional when FormatNum is 0. Currently only pcm, g711a format is supported and case insensitive String length range: [0, 127]
+++SupportRename	integer	body	false	Supports alarm audio renaming capability Support alert audio heavy life, device support is carried Some device models do not support it 0: Not supported 1: Supported
+++SupportMaunalPlay	integer	body	false	Support Alert audio manual playback capability Device support is carried Some device models are not supported 0: Not supported 1: Supported
+++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++IsSupportedAudioAlarm	integer	body	false	Whether the audible alarm capability is supported Used to judge ActID24/25 capability, IPC reserved for compatibility with older versions of NVR/APP

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Not supported 1: Supported
++IsSupportedLightAlarm	integer	body	false	Whether the light alarm capability is supported Device support is carried; Used to judge ActID24/25 capabilities, IPC reserved for compatibility with older NVR/APP versions 0: Not supported 1: Supported
++LightAlarmCapabilities	object	body	false	Light alarm configuration capability
+++MaxInterval	integer<uint32>	body	false	Supports the longest duration of light alarm Unit: seconds Value range: [0, 60]
+++MinInterval	integer<uint32>	body	false	Support light alarms for minimum duration Unit: second Value range: [0, 5]
++SupportLinkageDayNightMode	integer	body	false	Whether to support the day and night defense deployment mode Function support is carried Some models are not supported 0: Not supported 1: Supported
++GB28181Capabilities	object	body	false	Gb 28181 ability
+++SupportGB	integer	body	false	Whether to support the national standard 0: No 1: Supported
+++ServerNum	integer<uint32>	body	false	Number of supported national standard servers
+++VideoInChannelNum	integer<uint32>	body	false	Number of supported video input channels
+++AlarmInChannelNum	integer<uint32>	body	false	Number of supported alarm input channels
+++AudioOutChannelNum	integer<uint32>	body	false	Number of supported audio output channels
++GDWCapabilities	object	body	false	National Grid capability Some models not supported
+++SupportGDW	integer	body	true	Whether to support State Grid (State Grid B interface protocol) Some models are not supported 0: Not supported 1: Support
+++ServerNum	integer<uint32>	body	true	Number of supported national grid servers Some models are not supported
+++SupportVersionNum	integer<uint32>	body	true	Number of supported Guodian protocol versions Some models are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++VersionInfoList	object[]	body	false	List of supported Guodian protocol version Information Some models are not supported
++++Index	integer<uint32>	body	true	Version number index, starting from 0 Value range: [0,]
++++Version	string	body	true	Guodian version Information String length range: [1, 32]
+++VideoInChannelNum	integer<uint32>	body	true	Number of supported video input channels Some models not supported
+++AlarmInChannelNum	integer<uint32>	body	true	Number of supported alarm input channels Some models are not supported
+++AudioOutChannelNum	integer<uint32>	body	true	Number of supported audio output channels Some models are not supported
++SupportAllAlarmSubscription	integer	body	false	Whether to support full LAPI alarm subscription. This function is available only for internal interconnection 0: Not supported 1: Supported
++SupportShieldLinkage	integer	body	false	Whether to support the one-click linkage dismount function 0: No 1: Supported
++SupportTalkback	integer	body	false	Whether voice intercom is supported Do not carry this field considered not supported 0: Not supported 1: Supported
++AudioDetectionCapInfo	object	body	false	Sound detection ability
+++IsSupport	integer	body	false	Whether to support audio detection 0: No 1: Supported
+++DiffMin	integer	body	false	The minimum value of the difference/threshold in audio detection
+++DiffMax	integer	body	false	The maximum value of the difference/threshold in audio detection
+++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++SupportTerminateLinkage	integer	body	false	Whether the ability to terminate the linkage action is supported If this field is not carried, it is considered not supported 0: Not supported

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Parameter names	Parameter type	Parameter location	Required	Description
				1: Supported
++LightCtrlNum	integer	body	false	Support for controlling the number of light types Miniaturization support, reconstruction line does not support; The maximum number of miniaturization supports is 2
++SupportLightCtrlList	integer[]	body	false	Support for controlling the list of light types LightCtrlNum needs to be carried if it is not set to 0 Not supported by some device models 1: White light 2: Red and blue warning light
++SupportGPSInfo	integer	body	false	Whether to support GPS Information configuration and acquisition capability If this field is not carried, it is considered not supported 0: Not supported 1: Supported
++SupportDataServer	integer	body	false	Whether smart server capabilities are supported Do not carry this field considered not supported Some models are not supported 0: Not supported 1: Supported
++DataServersCapInfo	object	body	false	Capabilities of each smart server Not supported by some models
+++SupportDataServers Num	integer<uint32>	body	true	Number of smart servers Some models are not supported
+++DataServersList	object[]	body	true	Capabilities supported by each smart server Some models are not supported
++++DataServersIndex	integer<uint32>	body	true	Smart Server Index Start at 0 Not supported on some models Value range: [0,]
++++ProtocolsNum	integer<uint32>	body	true	Number of supported protocols Some models are not supported
++++ProtocolList	integer<uint32>[]	body	true	List of supported protocol types Some models are not supported 0: TCP transmission: Yu Shi V1 (corresponding Hong Lau) 1: TCP transmission: Yu Shi V2 (corresponding to the current tms) 2: TCP transfer: First create 3: FTP transfer: Triton 4: FTP transfer: Universal FTP 5: FTP transfer: Integrity 6: webserver: Hikon protocol 7: FTP transfer: Zhongtong 8: FTP transfer: Zhongtong 2 9: Yinjiang, photo Information webserver photo data FTP transfer 10: TCP transfer: Liyuan

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Parameter names	Parameter type	Parameter location	Required	Description
				11: Xiang Xun, photo Information TCP photo data FTP transmission 31: TCP transmission: UTV V2 (corresponding to the current tms short connection) 34: HTTP transfer: Matsudachi 35: TCP transmission front-end technology old protocol 37: FTP transmission: Zhongke Tongda 38: TCP transfer: Lishui 39: TCP transmission: Jin Peng 40: webserver: Lang Sing 41: TCP transmission: Hikon tcp short connection 43: webserver: Liyuan (Web server) 44: HTTP transfer: Matsu FTP 46: webserver: Tiandi Weiye 51: HTTP Transfer: Video gallery 52: TCP transfer: Dawei Technology 55: TCP(info)+ftp(picture) 57: FTP transfer: Neusoft FTP 60: HTTP transfer: Shenzhen Traffic police 67: webserver(data)+TCP(Information): Hikon 5.1 68: HTTP transport :LAPI 70: TCP transfer: ZTO V2.0 72: HTTP transfer: ETCP reverse search 74: webserver: Hikon 5.2 76: HTTP Transfer: Tianyi Platform 78: TCP short connection: Dahua (Jimo Traffic Police) 79: FTP transfer: Yinjiang (FTP2) 80: Central control 1.3 Photo Information webserver photo data FTP transfer 83: TCP transfer 84: HTTP: Litom 0.6 87: TCP Transfer: Hikon tcp Short Connection 1.1 89: HTTP transmission: Meijie Industrial 90: TCP transmission: Guangxi Academy of Communications V1.1 91: HTTP transmission: Video Gallery (Eastday Power) (Delete) 92: HTTP Transfer: Video Gallery (Shanghai) (Delete)

6.1.7.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "SupportedChannelNums": 4,
      "AudioFile": {
        "MaxNum": 10,
        "MaxSize": 100,
        "FormatNum": 2,
        "FormatList": "pcm; g711a",
        "SupportRename": 1,
        "SupportMaunalPlay": 1,
```


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```
            "SupportMaunalPlay2": 1
        },
        "IsSupportedAudioAlarm": 1,
        "IsSupportedLightAlarm": 1,
        "LightAlarmCapabilities": {
            "MaxInterval": 60,
            "MinInterval": 5
        },
        "SupportLinkageDayNightMode": 1,
        "GB28181Capabilities": {
            "SupportGB": 1,
            "ServerNum": 1,
            "VideoInChannelNum": 1,
            "AlarmInChannelNum": 1,
            "AudioOutChannelNum": 1
        },
        "GDWCapabilities": {
            "SupportGDW": 1,
            "ServerNum": 1,
            "SupportVersionNum": 1,
            "VersionInfoList": [
                {
                    "Index": 1,
                    "Version": "GDW_2019"
                }
            ],
            "VideoInChannelNum": 1,
            "AlarmInChannelNum": 1,
            "AudioOutChannelNum": 1
        },
        "SupportAllAlarmSubscription": 1,
        "SupportShieldLinkage": 1,
        "SupportTalkback": 1,
        "AudioDetectionCapInfo": {
            "IsSupport": 1,
            "DiffMin": 0,
            "DiffMax": 0,
            "SupportMaunalPlay2": 1
        },
        "SupportTerminateLinkage": 1,
        "LightCtrlNum": 1,
        "SupportLightCtrlList": [
            1
        ],
        "SupportGPSInfo": 1,
        "SupportDataServer": 1,
        "DataServersCapInfo": {
            "SupportDataServersNum": 1,
            "DataServersList": [
                {
                    "DataServersIndex": 0,
                    "ProtocolsNum": 1,
                    "ProtocolList": [
                        1
                    ]
                }
            ]
        }
    }
  }
}
```


6.1.7.2 Get The System Capability Set Of The Channel

6.1.7.2.1 Overview

Names	Description
Interface description	Get The System Capability Set Of The Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/System/Capabilities
Interface request method	GET
How to submit data	application/json

6.1.7.2.2 URL Description

None

6.1.7.2.3 Request Parameters

None

6.1.7.2.4 Example for Request Parameters

None

6.1.7.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++SupportedChannelNums	integer<uint32>	body	false	Number of supported video input channels Some device models are not supported
++AudioFile	object	body	true	Import audio file ability
+++IsSupport	integer	body	false	Whether audio detection is supported 0: No 1: Supported
+++DiffMin	integer	body	false	The minimum value of the difference/threshold in audio detection

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Parameter names	Parameter type	Parameter location	Required	Description
+++DiffMax	integer	body	false	The maximum value of the difference/threshold in audio detection
+++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++IsSupportedAudioAlarm	integer	body	false	Whether the audible alarm capability is supported Used to judge ActID24/25 capability, IPC reserved for compatibility with older versions of NVR/APP 0: Not supported 1: Supported
++IsSupportedLightAlarm	integer	body	false	Whether the light alarm capability is supported Device support is carried; Used to judge ActID24/25 capabilities, IPC reserved for compatibility with older NVR/APP versions 0: Not supported 1: Supported
++LightAlarmCapabilities	object	body	false	Light alarm configuration capability
+++MaxInterval	integer<uint32>	body	false	Supports the longest duration of light alarm Unit: seconds Value range: [0, 60]
+++MinInterval	integer<uint32>	body	false	Support light alarms for minimum duration Unit: second Value range: [0, 5]
++SupportLinkageDayNightMode	integer	body	false	Whether to support the day and night defense deployment mode Function support is carried Some models are not supported 0: Not supported 1: Supported
++GB28181Capabilities	object	body	false	Gb 28181 ability
+++SupportGB	integer	body	false	Whether to support the national standard 0: No 1: Supported
+++ServerNum	integer<uint32>	body	false	Number of supported national standard servers
+++VideoInChannelNum	integer<uint32>	body	false	Number of supported video input channels
+++AlarmInChannelNum	integer<uint32>	body	false	Number of supported alarm input channels
+++AudioOutChannelNum	integer<uint32>	body	false	Number of supported audio output channels
++GDWCapabilities	object	body	false	National Grid capability

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Parameter names	Parameter type	Parameter location	Required	Description
				Some models not supported
+++SupportGDW	integer	body	true	Whether to support State Grid (State Grid B interface protocol) Some models are not supported 0: Not supported 1: Support
+++ServerNum	integer<uint32>	body	true	Number of supported national grid servers Some models are not supported
+++SupportVersionNum	integer<uint32>	body	true	Number of supported Guodian protocol versions Some models are not supported
+++VersionInfoList	object[]	body	false	List of supported Guodian protocol version Information Some models are not supported
++++Index	integer<uint32>	body	true	Version number index, starting from 0 Value range: [0,]
++++Version	string	body	true	Guodian version Information String length range: [1, 32]
+++VideoInChannelNum	integer<uint32>	body	true	Number of supported video input channels Some models not supported
+++AlarmInChannelNum	integer<uint32>	body	true	Number of supported alarm input channels Some models are not supported
+++AudioOutChannelNum	integer<uint32>	body	true	Number of supported audio output channels Some models are not supported
++SupportAllAlarmSubscription	integer	body	false	Whether to support full LAPI alarm subscription. This function is available only for internal interconnection 0: Not supported 1: Supported
++SupportShieldLinkage	integer	body	false	Whether to support the one-click linkage dismount function 0: No 1: Supported
++SupportTalkback	integer	body	false	Whether voice intercom is supported Do not carry this field considered not supported 0: Not supported 1: Supported
++AudioDetectionCapInfo	object	body	false	Sound detection ability
+++IsSupport	integer	body	false	Whether to support audio detection 0: No 1: Supported
+++DiffMin	integer	body	false	The minimum value of the difference/threshold in audio detection
+++DiffMax	integer	body	false	The maximum value of the difference/threshold in audio detection

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Parameter names	Parameter type	Parameter location	Required	Description
+++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++SupportTerminateLinkage	integer	body	false	Whether the ability to terminate the linkage action is supported If this field is not carried, it is considered not supported 0: Not supported 1: Supported
++LightCtrlNum	integer	body	false	Support for controlling the number of light types Miniaturization support, reconfiguration line is not supported; The maximum number of miniaturization supports is 2
++SupportLightCtrlList	integer[]	body	false	Support for controlling the list of light types LightCtrlNum needs to be carried if it is not set to 0 Not supported by some device models 1: White light 2: Red and blue warning light
++SupportGPSInfo	integer	body	false	Whether to support GPS Information configuration and acquisition capability If this field is not carried, it is considered not supported 0: not supported 1: Supported
++SupportDataServer	integer	body	false	Whether smart server capabilities are supported Do not carry this field considered not supported Some models are not supported 0: Not supported 1: Supported
++DataServersCapInfo	object	body	false	Capabilities of each smart server Some models are not supported
+++SupportDataServersNum	integer<uint32>	body	true	Number of smart servers Some models are not supported
+++DataServersList	object[]	body	true	Capabilities supported by each smart server Some models are not supported
++++DataServersIndex	integer<uint32>	body	true	Smart Server Index Start at 0 Not supported on some models Value range: [0,]
++++ProtocolsNum	integer<uint32>	body	true	Number of supported protocols Some models are not supported
++++ProtocolList	integer<uint32>[]	body	true	List of supported protocol types Some models are not supported 0: TCP transmission: Yu Shi V1 (corresponding Hong Lau)

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Parameter names	Parameter type	Parameter location	Required	Description
				1: TCP transmission: Yu Shi V2 (corresponding to the current tms) 2: TCP transfer: First create 3: FTP transfer: Triton 4: FTP transfer: Universal FTP 5: FTP transfer: Integrity 6: webserver: Hikon protocol 7: FTP transfer: Zhongtong 8: FTP transfer: Zhongtong 2 9: Yinjiang, photo Information webserver photo data FTP transfer 10: TCP transfer: Liyuan 11: Xiang Xun, photo Information TCP photo data FTP transmission 31: TCP transmission: UTV V2 (corresponding to the current tms short connection) 34: HTTP transfer: Matsudachi 35: TCP transmission front-end technology old protocol 37: FTP transfer: Zhongke Tongda 38: TCP transfer: Lishui 39: TCP transmission: Jin Peng 40: webserver: Lang Sing 41: TCP transmission: Hikon tcp short connection 43: webserver: Liyuan (Web server) 44: HTTP transfer: Matsu FTP 46: webserver: Tiandi Weiye 51: HTTP Transfer: Video gallery 52: TCP transfer: Dawei Technology 55: TCP(info)+ftp(picture) 57: FTP transfer: Neusoft FTP 60: HTTP transfer: Shenzhen Traffic police 67: webserver(data)+TCP(Information): Haikang 5.1 68: HTTP transport :LAPI 70: TCP transfer: ZTO V2.0 72: HTTP transmission: ETCP reverse search 74: webserver: Hikon 5.2 76: HTTP Transfer: Tianyi Platform 78: TCP short connection: Dahua (Jimo Traffic Police) 79: FTP transfer: Yinjiang (FTP2) 80: Central control 1.3 Photo Information webserver photo data FTP transfer 83: TCP transfer 84: HTTP: Litom 0.6 87: TCP Transfer: Hikon tcp Short Connection 1.1 89: HTTP transmission: Meijie Industrial 90: TCP transmission: Guangxi Academy of Communications V1.1 91: HTTP transmission: Video Gallery (Eastday Power) (Delete) 92: HTTP Transfer: Video Gallery (Shanghai) (Delete)

6.1.7.2.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/Capabilities",
        "ResponseCode": 0,
```

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```
"SubResponseCode": 0,
"ResponseString": "Succeed",
"StatusCode": 0,
"Data": {
  "SupportedChannelNums": 4,
  "AudioFile": {
    "IsSupport": 1,
    "DiffMin": 0,
    "DiffMax": 0,
    "SupportMaunalPlay2": 1
  },
  "IsSupportedAudioAlarm": 1,
  "IsSupportedLightAlarm": 1,
  "LightAlarmCapabilities": {
    "MaxInterval": 60,
    "MinInterval": 5
  },
  "SupportLinkageDayNightMode": 1,
  "GB28181Capabilities": {
    "SupportGB": 1,
    "ServerNum": 1,
    "VideoInChannelNum": 1,
    "AlarmInChannelNum": 1,
    "AudioOutChannelNum": 1
  },
  "GDWCapabilities": {
    "SupportGDW": 1,
    "ServerNum": 1,
    "SupportVersionNum": 1,
    "VersionInfoList": [
      {
        "Index": 1,
        "Version": "GDW_2019"
      }
    ],
    "VideoInChannelNum": 1,
    "AlarmInChannelNum": 1,
    "AudioOutChannelNum": 1
  },
  "SupportAllAlarmSubscription": 1,
  "SupportShieldLinkage": 1,
  "SupportTalkback": 1,
  "AudioDetectionCapInfo": {
    "IsSupport": 1,
    "DiffMin": 0,
    "DiffMax": 0,
    "SupportMaunalPlay2": 1
  },
  "SupportTerminateLinkage": 1,
  "LightCtrlNum": 1,
  "SupportLightCtrlList": [
    1
  ],
  "SupportGPSInfo": 1,
  "SupportDataServer": 1,
  "DataServersCapInfo": {
    "SupportDataServersNum": 1,
    "DataServersList": [
      {
        "DataServersIndex": 0,
        "ProtocolsNum": 1,
        "ProtocolList": [
          1
```

```
            ]
          }
        ]
      }
    }
  }
}
```

6.1.7.3 Query The List Of Local Channel System Capability Sets

6.1.7.3.1 Overview

Names	Description
Interface description	Query The List Of Local Channel System Capability Sets
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Capabilities?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.1.7.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID. 0 indicates that all channels are queried

6.1.7.3.3 Request Parameters

None

6.1.7.3.4 Example for Request Parameters

None

6.1.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer<uint32>	body	true	Number of video channels on the device
++SysCapabilitiesList	object[]	body	false	List of capability sets by video channel system This parameter is mandatory when Num is not 0
+++ChannelID	integer<uint32>	body	true	Video binding channel number Start with 1 and do not distinguish between online and offline channels Value range: [1,]
+++SystemCapabilities	object	body	true	System capability set
++++SupportedChannelNums	integer<uint32>	body	false	Number of supported video input channels Some device models are not supported
++++AudioFile	object	body	true	Import audio file ability
+++++IsSupport	integer	body	false	Whether audio detection is supported 0: No 1: Supported
+++++DiffMin	integer	body	false	The minimum value of the difference/threshold in audio detection
+++++DiffMax	integer	body	false	The maximum value of the difference/threshold in audio detection
+++++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++++IsSupportedAudioAlarm	integer	body	false	Whether the audible alarm capability is supported Used to judge ActID24/25 capability, IPC reserved for compatibility with older versions of NVR/APP 0: Not supported 1: Support
++++IsSupportedLightAlarm	integer	body	false	Whether the light alarm capability is supported Device support is carried; Used to judge ActID24/25 capabilities, IPC reserved for compatibility with older NVR/APP versions 0: Not supported 1: Supported
++++LightAlarmCapabilities	object	body	false	Light alarm configuration capability
+++++MaxInterval	integer<uint32>	body	false	Supports the longest duration of light alarms Unit: seconds Value range: [0, 60]
+++++MinInterval	integer<uint32>	body	false	Support light alarms for minimum duration

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Parameter names	Parameter type	Parameter location	Required	Description
				Unit: second Value range: [0, 5]
++++SupportLinkageDayNightMode	integer	body	false	Whether to support the day and night defense deployment mode Function support is carried Some models not supported 0: Not supported 1: Supported
++++GB28181Capabilities	object	body	false	Gb 28181 ability
+++++SupportGB	integer	body	false	Whether to support the national standard 0: No 1: Supported
+++++ServerNum	integer<uint32>	body	false	Number of supported national standard servers
+++++VideoInChannelNum	integer<uint32>	body	false	Number of supported video input channels
+++++AlarmInChannelNum	integer<uint32>	body	false	Number of supported alarm input channels
+++++AudioOutChannelNum	integer<uint32>	body	false	Number of supported audio output channels
++++GDWCapabilities	object	body	false	National Grid capability Some models not supported
+++++SupportGDW	integer	body	true	Whether to support State Grid (State Grid B interface protocol) Some models are not supported 0: Not supported 1: Supported
+++++ServerNum	integer<uint32>	body	true	Number of supported national grid servers Some models are not supported
+++++SupportVersionNum	integer<uint32>	body	true	Number of supported Guodian protocol versions Some models are not supported
+++++VersionInfoList	object[]	body	false	List of supported Guodian protocol version Information Some models are not supported
++++++Index	integer<uint32>	body	true	Version number index, starting from 0 Value range: [0,]
++++++Version	string	body	true	Guodian version Information String length range: [1, 32]
+++++VideoInChannelNum	integer<uint32>	body	true	Number of video input channels supported Some models not supported
+++++AlarmInChannelNum	integer<uint32>	body	true	Number of supported alarm input channels Some models are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++++AudioOutChannelNum	integer<uint32>	body	true	Number of supported audio output channels Some models not supported
++++SupportAllAlarmSubscription	integer	body	false	Whether to support full LAPI alarm subscription. This function is available only for internal interconnection 0: Not supported 1: Supported
++++SupportShieldLinkage	integer	body	false	Whether to support the one-click linkage dismount function 0: No 1: Supported
++++SupportTalkback	integer	body	false	Whether to support voice intercom Do not carry this field considered not supported 0: Not supported 1: Supported
++++AudioDetectionCapInfo	object	body	false	Sound detection ability
+++++IsSupport	integer	body	false	Whether audio detection is supported 0: No 1: Supported
+++++DiffMin	integer	body	false	The minimum value of the difference/threshold in audio detection
+++++DiffMax	integer	body	false	The maximum value of the difference/threshold in audio detection
+++++SupportMaunalPlay2	integer	body	false	Support warning audio manual playback carry in parameters, clear warning sound playback state ability Device support is carried Some device models are not supported 0: Not supported 1: Supported
++++SupportTerminateLinkage	integer	body	false	Whether the ability to terminate the linkage action is supported If this field is not carried, it is considered not supported 0: Not supported 1: Supported
++++LightCtrlNum	integer	body	false	Support for controlling the number of light types Miniaturization support, reconfiguration line is not supported; The maximum number of miniaturization supports is 2
++++SupportLightCtrlList	integer[]	body	false	Support for controlling the list of light types LightCtrlNum needs to be carried if it is not set to 0 Not supported by some device models 1: White light 2: Red and blue warning light
++++SupportGPSInfo	integer	body	false	Whether to support GPS Information configuration and acquisition capability

Parameter names	Parameter type	Parameter location	Required	Description
				If this field is not carried, it is considered not supported 0: not supported 1: Supported
++++SupportDataServer	integer	body	false	Whether smart server capabilities are supported Do not carry this field considered not supported Some models are not supported 0: Not supported 1: Supported
++++DataServersCapInfo	object	body	false	Capabilities of each smart server Some models are not supported
+++++SupportDataServersNum	integer<uint32>	body	true	Number of smart servers Some models are not supported
+++++DataServersList	object[]	body	true	Capabilities supported by each smart server Some models are not supported
++++++DataServersIndex	integer<uint32>	body	true	Smart Server Index Start at 0 Not supported on some models Value range: [0,]
++++++ProtocolsNum	integer<uint32>	body	true	Number of supported protocols Some models are not supported
++++++ProtocolList	integer<uint32>[]	body	true	List of supported protocol types Some models are not supported 0: TCP transmission: Yu Shi V1 (corresponding Hong Lau) 1: TCP transmission: Yu Shi V2 (corresponding to the current tms) 2: TCP transfer: First create 3: FTP transfer: Triton 4: FTP transfer: Universal FTP 5: FTP transfer: Integrity 6: webserver: Hikon protocol 7: FTP transfer: Zhongtong 8: FTP transfer: Zhongtong 2 9: Yinjiang, photo Information webserver photo data FTP transfer 10: TCP transfer: Liyuan 11: Xiang Xun, photo Information TCP photo data FTP transmission 31: TCP transmission: UTV V2 (corresponding to the current tms short connection) 34: HTTP transfer: Matsudachi 35: TCP transmission front-end technology old protocol 37: FTP transfer: Zhongke Tongda 38: TCP transfer: Lishui 39: TCP transmission: Jin Peng 40: webserver: Lang Sing 41: TCP transmission: Hikon tcp short connection 43: webserver: Liyuan (Web server) 44: HTTP transfer: Matsu FTP 46: webserver: Tiandi Weiye 51: HTTP Transfer: Video gallery

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Parameter names	Parameter type	Parameter location	Required	Description
				52: TCP transfer: Dawei Technology 55: TCP(info)+ftp(picture) 57: FTP transfer: Neusoft FTP 60: HTTP transfer: Shenzhen Traffic police 67: webserver(data)+TCP(Information): Haikang 5.1 68: HTTP transport :LAPI 70: TCP transfer: ZTO V2.0 72: HTTP transmission: ETCP reverse search 74: webserver: Hikon 5.2 76: HTTP Transfer: Tianyi Platform 78: TCP short connection: Dahua (Jimo Traffic Police) 79: FTP transfer: Yinjiang (FTP2) 80: Central control 1.3 Photo Information webserver photo data FTP transfer 83: TCP transfer 84: HTTP: Litom 0.6 87: TCP Transfer: Hikon tcp Short Connection 1.1 89: HTTP transmission: Meijie Industrial 90: TCP transmission: Guangxi Academy of Communications V1.1 91: HTTP transmission: Video Gallery (Eastday Power) (Delete) 92: HTTP Transfer: Video Gallery (Shanghai) (Delete)

6.1.7.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Capabilities?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "SysCapabilitiesList": [
        {
          "ChannelID": 1,
          "SystemCapabilities": {
            "SupportedChannelNums": 4,
            "AudioFile": {
              "IsSupport": 1,
              "DiffMin": 0,
              "DiffMax": 0,
              "SupportMaunalPlay2": 1
            },
            "IsSupportedAudioAlarm": 1,
            "IsSupportedLightAlarm": 1,
            "LightAlarmCapabilities": {
              "MaxInterval": 60,
              "MinInterval": 5
            },
            "SupportLinkageDayNightMode": 1,
            "GB28181Capabilities": {
              "SupportGB": 1,
              "ServerNum": 1,
              "VideoInChannelNum": 1,
              "AlarmInChannelNum": 1,
```


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```
                "AudioOutChannelNum": 1
            },
            "GDWCapabilities": {
                "SupportGDW": 1,
                "ServerNum": 1,
                "SupportVersionNum": 1,
                "VersionInfoList": [
                    {
                        "Index": 1,
                        "Version": "GDW_2019"
                    }
                ],
                "VideoInChannelNum": 1,
                "AlarmInChannelNum": 1,
                "AudioOutChannelNum": 1
            },
            "SupportAllAlarmSubscription": 1,
            "SupportShieldLinkage": 1,
            "SupportTalkback": 1,
            "AudioDetectionCapInfo": {
                "IsSupport": 1,
                "DiffMin": 0,
                "DiffMax": 0,
                "SupportMaunalPlay2": 1
            },
            "SupportTerminateLinkage": 1,
            "LightCtrlNum": 1,
            "SupportLightCtrlList": [
                1
            ],
            "SupportGPSInfo": 1,
            "SupportDataServer": 1,
            "DataServersCapInfo": {
                "SupportDataServersNum": 1,
                "DataServersList": [
                    {
                        "DataServersIndex": 0,
                        "ProtocolsNum": 1,
                        "ProtocolList": [
                            1
                        ]
                    }
                ]
            }
        }
    }
  ]
 }
}
```


6.1.8 Adding servers

6.1.8.1 Get The Server Configuration

6.1.8.1.1 Overview

Names	Description
Interface description	Get the LAPI platform access server configuration

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UpServer/Configure
Interface request method	GET
How to submit data	application/json

6.1.8.1.2 URL Description

None

6.1.8.1.3 Request Parameters

None

6.1.8.1.4 Example for Request Parameters

None

6.1.8.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Access Enable 0: Disable 1: enabled
++EncryptEnabled	integer	body	true	Encryption Enable Not supported on some models 0: Disabled 1: enabled
++AddressType	integer	body	true	Address type 0: IPV4 1: IPV6 2: Domain name
++Address	string	body	true	Server address, range: [0, 128]
++Port	integer	body	true	Ports

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Parameter name	Parameter type	Parameter location	Required	Description
++DeviceCode	string	body	true	Device coding String length range: [1, 64]
++PIN	string	body	false	Platform Access Authentication key, range: [0, 255] Not supported on some models
++RSAPublicKey	object	body	false	Public key query using/LAPI V1.1/System/Security/RSA You do not need to carry the access login password if you do not change it It is required when you change the access and login password By default, this field is not included when you Get it If this field is not delivered, the PIN is delivered in plain text
+++RSAPublicKeyE	string	body	true	RSA Public Key Field E field String length range: [1, 32] Not supported on some models
+++RSAPublicKeyN	string	body	true	RSA Public Key Field N field String length range: [1, 260] Not supported on some models

6.1.8.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/UpServer/Configure",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "EncryptEnabled": 0,
      "AddressType": 0,
      "Address": "192.168.0.1",
      "Port": 0,
      "DeviceCode": "string",
      "PIN": "string",
      "RSAPublicKey": {
        "RSAPublicKeyE": "65537",
        "RSAPublicKeyN": "9098..."
      }
    }
  }
}
```


6.1.8.2 Set Server Configuration

6.1.8.2.1 Overview

Names	Description
Interface description	Set the LAPI platform access server configuration
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/System/UpServer/Configure
Interface request method	PUT
How to submit data	application/json

6.1.8.2.2 URL Description

None

6.1.8.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Access Enable 0: Disable 1: enabled
AddressType	integer	body	true	Address type 0: IPV4 1: IPV6 2: Domain name
Address	string	body	true	Server address, range: [0, 128]
Port	integer	body	true	port
DeviceCode	string	body	true	Device coding String length range: [1, 64]
PIN	string	body	false	Platform Access Authentication key, range: [0, 255] Not supported on some models
RSAPublicKey	object	body	false	Public key query using/LAPI V1.1/System/Security/RSA You do not need to carry the access login password if you do not change it It is required when you change the access and login password By default, this field is not included when you Get it If this field is not delivered, the PIN is delivered in plain text
+RSAPublicKeyE	string	body	true	RSA Public Key Field E field String length range: [1, 32] Not supported on some models
+RSAPublicKeyN	string	body	true	RSA Public Key Field N field String length range: [1, 260] Not supported on some models

6.1.8.2.4 Example for Request Parameters

```
{
    "Enabled": 0,
    "AddressType": 0,
    "Address": "192.168.0.1",
    "Port": 0,
```

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```
    "DeviceCode": "string",
    "PIN": "string",
    "RSAPublicKey": {
        "RSAPublicKeyE": "65537",
        "RSAPublicKeyN": "9098..."
    }
}
```

6.1.8.2.5 Return Parameters

None

6.1.8.2.6 Example for Returning Parameters

None

6.1.8.3 Get Server Status

6.1.8.3.1 Overview

Names	Description
Interface description	Get the LAPI platform access server status
Interface version	V1.0
Interface address	/LAPI/V1.0/System/UpServer/Status
Interface request method	GET
How to submit data	application/json

6.1.8.3.2 URL Description

None

6.1.8.3.3 Request Parameters

None

6.1.8.3.4 Example for Request Parameters

None

6.1.8.3.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Status	integer	body	true	Platform access status 0: Offline 1: Online

6.1.8.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/UpServer/Status",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Status": 0
    }
  }
}
```

6.1.9 Geolocation Information

6.1.9.1 Query Geolocation Information

6.1.9.1.1 Overview

Names	Description
Interface description	Query Geolocation Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/GPS/BasicInfo
Interface request method	GET
How to submit data	application/json

6.1.9.1.2 URL Description

None

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6.1.9.1.3 Request Parameters

None

6.1.9.1.4 Example for Request Parameters

None

6.1.9.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Longitude	string	body	true	Longitude Based on the WGS84 coordinate system GET method to get automatic or manual data Keep the decimal place to 8 places
++Latitude	string	body	true	Latitude Based on the WGS84 coordinate system The GET method gets automatic or manual data Keep the decimal place to 8 places
++Altitude	string	body	false	Altitude GET Method 2 Get automatic or manual data Keep the decimal place to 8 places Not supported on some models

6.1.9.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/GPS/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Longitude": "string",
      "Latitude": "string",
      "Altitude": "string"
    }
  }
}
```

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6.1.9.2 Set Geolocation Information

6.1.9.2.1 Overview

Names	Description
Interface description	Set Geolocation Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/GPS/BasicInfo
Interface request method	PUT
How to submit data	application/json

6.1.9.2.2 URL Description

None

6.1.9.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Longitude	string	body	true	Longitude Based on the WGS84 coordinate system The PUT method sets manual data only Keep the decimal place to 8 places
Latitude	string	body	true	Latitude Based on the WGS84 coordinate system The PUT method sets manual data only Keep the decimal place to 8 places
Altitude	string	body	false	Altitude The PUT method sets manual data only Keep the decimal place to 8 places Not supported on some models

6.1.9.2.4 Example for Request Parameters

```
{
   "Longitude": "string",
   "Latitude": "string",
   "Altitude": "string"
}
```

6.1.9.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	

Parameter names	Parameter type	Parameter position	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.9.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/GPS/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.1.10 Diagnostic Information

6.1.10.1 Get System Diagnosis Information

6.1.10.1.1 Overview

Names	Description
Interface description	Get the URL of system diagnosis Information. The returned URL is a download interface in the form of file streams IPC has no historical diagnosis Information and exports the latest diagnosis Information by default Some models do not support the interface, you need to use the interface/LAPI/V1.0/System/Diagnosis/PackStatus export diagnostic Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Diagnosis/FileURL
Interface request method	GET
How to submit data	application/json

6.1.10.1.2 URL Description

None

6.1.10.1.3 Request Parameters

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None

6.1.10.1.4 Example for Request Parameters

None

6.1.10.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++URL	string	body	true	Download URL for the diagnostic Information file String length range: [1, 128]

6.1.10.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Diagnosis/FileURL",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "URL", "\"/LAPI/V1.0/System/Diagnosis/FileURL?TaskID=891130287&FilePath=/tmp/NVR_Log_MaintainInfo.tgz\""
    }
  }
}
```

6.1.10.2 Get System Diagnosis Information

6.1.10.2.1 Overview

Names	Description
Interface description	Get the URL of system diagnosis Information. The returned URL is the download interface in the form of a file stream Some models do not support the interface, you need to use the interface/LAPI/V1.0/System/Diagnosis/FileURL export diagnostic Information
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Diagnosis/PackStatus

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Names	Description
Interface request method	GET
How to submit data	application/json

6.1.10.2.2 URL Description

None

6.1.10.2.3 Request Parameters

None

6.1.10.2.4 Example for Request Parameters

None

6.1.10.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++URL	string	body	true	Download URL for the diagnostic Information file String length range: [1, 128]

6.1.10.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "Request interface URL",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "URL", "\"/LAPI/V1.0/System/Diagnosis/FileURL?TaskID=891130287&FilePath=/tmp/NVR_Log_MaintainInfo.tgz\""
    }
  }
}
```

6.1.11 Factory Reset

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6.1.11.1 Restoring The Device To Default Sets

6.1.11.1.1 Overview

Names	Description
Interface description	Restoring The Device To Default Sets
Interface version	V1.0
Interface address	/LAPI/V1.0/System/FactoryReset
Interface request method	PUT
How to submit data	application/json

6.1.11.1.2 URL Description

None

6.1.11.1.3 Request Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Mode	integer	body	true	Recovery Mode 0: Simple restore, retaining network configuration and user configuration 1: Full restore, restore to factory Sets
Reboot	integer	body	true	Whether to restart the device after restoring the configuration Not supported by some models 0: does not restart after the default Sets are restored 1: Restart after the default configuration is restored

6.1.11.1.4 Example for Request Parameters

```
{
   "Mode": 0,
   "Reboot": 1
}
```

6.1.11.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.1.11.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/FactoryReset",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2 Pinion Head

6.2.1 Capabilities

6.2.1.1 Query PTZ Capabilities

6.2.1.1.1 Overview

Names	Description
Interface description	Query the PTZ capability of a specified video output channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities
Interface request method	GET
How to submit data	application/json

6.2.1.1.2 URL Description

None

6.2.1.1.3 Request Parameters

None

6.2.1.1.4 Example for Request Parameters

None

6.2.1.1.5 Returning Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportPTZ	integer	body	true	Whether PTZ is supported or not Default: 1 0: Not supported 1: Supported
++IsSupportRecordPatrol	integer	body	true	Whether recording cruise is supported Default: 1 0: Not supported 1: Supported
++IsSupportWiper	integer	body	true	Whether or not wiper capability is supported 0: No 1: Supported
++IsSupportAutoWiper	integer	body	true	Whether automatic wiper capability is supported 0: No 1: Supported
++MaxZoom	integer	body	true	Maximum magnification supported by the device *100 Actual value = MaxZoom/100 Default value: 266
++MaxPTRange	object	body	false	
+++Up	integer	body	false	Maximum vertical Angle of the PTZ *100 Elevation Angle; For example: the maximum vertical Angle of the interface head is set to 15.36, then this value should be 1536; Default value: 1536
+++Down	integer	body	false	Maximum vertical downward Angle of the PTZ *100 Depression Angle; For example: the maximum vertical downward Angle of the interface head is set to 50.00, then this value should be 5000; Default value: 5000
+++Left	integer	body	false	The maximum Angle of the head horizontally to the left *100 Meet the Left+Right is less than or equal to 36000 Default: 5500
+++Right	integer	body	false	Maximum Angle of the head horizontally to the right *100 And meet the Left+Right is less than or equal to 36000 Default value: 10000

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Parameter names	Parameter type	Parameter location	Required	Description
++SupportPreset	integer	body	false	Whether presets are supported 0: Not supported 1: Supported
++PlanPatrol	object	body	false	Preset cruise Information list This field is required when PTZ is supported
+++SupportPlanPatrol	integer	body	true	Whether preset cruise is supported 0: Not supported 1: Support This field must be 1 when PTZ is supported
+++MaxStayTime	integer	body	true	Supports maximum stay time of cruising action, in seconds
+++MinStayTime	integer	body	true	Minimum stay time for cruise action supported, in seconds
++Guard	object	body	false	PTZ monitoring capability. This field is mandatory when PTZ is supported
+++IsSupportGuard	integer	body	true	Whether to support Pinion Watch: 0: No 1: Supported
+++Num	integer	body	false	Number of pinion watch modes The maximum number of some models is 3
+++ModeList	integer[]	body	false	Supported PTZ watch mode 0: Preset (Watchman bit) 1: Cruise 2: Pattern Path (recorded track)
+++MinTime	integer	body	false	The minimum value of pinion watch time supported, in seconds
+++MaxTime	integer	body	false	The maximum number of PTZ watch times supported, in seconds
++SupportRectify	integer<uint32>	body	true	Whether PTZ correction is supported

6.2.1.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportPTZ": 1,
      "IsSupportRecordPatrol": 0,
      "IsSupportWiper": 0,
      "IsSupportAutoWiper": 0,
      "MaxZoom": 2500,
      "MaxPTRange": {
        "Up": -9000,
```


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```
            "Down": 1500,
            "Left": 0,
            "Right": 36000
        },
        "SupportPreset": 1,
        "PlanPatrol": {
            "SupportPlanPatrol": 1,
            "MaxStayTime": 1800,
            "MinStayTime": 0
        },
        "Guard": {
            "IsSupportGuard": 1,
            "Num": 1,
            "ModeList": [
                1
            ],
            "MinTime": 1,
            "MaxTime": 3600
        },
        "SupportRectify": 0
    }
  }
}
```

6.2.2 PTZ control

6.2.2.1 PTZ Control Instruction

6.2.2.1.1 Overview

Names	Description
Interface description	Operate the pinion of the designated video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl
Interface request method	PUT
How to submit data	application/json

6.2.2.1.2 URL Description

None

6.2.2.1.3 Request Parameters

Parameter names	Parameter type	Parameter position	Required	Description
PTZCmd	integer	body	true	Gimbal operation command word, enter decimal, example "1794 (0x0702)" 0x0102: The aperture gets smaller 0x0104: Aperture gets larger 0x0202: Near focus 0x0204: Far focus

Parameter names	Parameter type	Parameter position	Required	Description
				0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: infrared off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scene Lock on 0x1404: Scene Lock turned off
Para1	integer	body	false	PTZ command argument 1 When the parameter PTZCmd is 0x402-0x804, it represents the transverse speed, which is 0 when "turn up (0x402)" and "turn down (0x404)" When the parameter PTZCmd is "preset set instruction (0x0601)" or "preset call instruction (0x0602)", it indicates the preset ID When the parameter PTZCmd is "Snow removal mode (0x1301)", it indicates the intensity The parameter PTZCmd is otherwise optional Value range: [1, 9]
Para2	integer	body	false	PTZ command argument 2 When the parameter PTZCmd is 0x402-0x804, it represents the longitudinal speed, and the longitudinal speed is 0 when "turn left (0x504)", "turn right (0x502)" If PTZCmd is not 0x402-0x804, this parameter is optional Value range: [1, 9]
Para3	integer	body	false	PTZ command parameter 3, do not use, fill in 0 can

6.2.2.1.4 Example for Request Parameters

```
{
   "PTZCmd": "1794",
   "Para1": 2,
   "Para2": 2,
   "Para3": 0
}
```

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6.2.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/PTZCtrl",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.3 Preset

6.2.3.1 Get Preset Information

6.2.3.1.1 Overview

Names	Description
Interface description	Gets the PTZ preset list Information for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets?Limit=<Limit>&Offset=<Offset>
Interface request method	GET
How to submit data	application/json

6.2.3.1.2 URL Description

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Parameter names	Parameter type	Required	Sample value	Description
Limit	integer	false	"256"	Maximum number of presets to get at once, up to 256 supported (not supported on some devices)
Offset	integer	false	"100"	Get the starting offset for the requested retrieval (not supported on some devices)

6.2.3.1.3 Request Parameters

None

6.2.3.1.4 Example for Request Parameters

None

6.2.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	Total number of presets
++Offset	integer	body	true	Current query location
++Nums	integer	body	true	Preset number of bits Value range: [0, 1024]
++PresetInfos	object[]	body	true	Preset list
+++ID	integer	body	true	Preset number Value range: [1,] Default value: 1
+++Name	string	body	true	Preset name Default: 001 String length range: [1, 64]

6.2.3.1.6 Example for Returning Parameters

```
{
    "Response": {
```

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```
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets?Limit=<Limit>&Offset=<Offset>",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
        "Total": 1,
        "Offset": 0,
        "Nums": 1,
        "PresetInfos": [
          {
            "ID": 1,
            "Name": "001"
          }
        ]
      }
    }
}
```

6.2.3.2 Adding Preset

6.2.3.2.1 Overview

Names	Description
Interface description	Add a PTZ preset Information for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets
Interface request method	POST
How to submit data	application/json

6.2.3.2.2 URL Description

None

6.2.3.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Preset number Value range: [1,] Default value: 1
Name	string	body	true	Preset name Default: 001 String length range: [1, 64]

6.2.3.2.4 Example for Request Parameters

```
{
  "ID": 1,
```

```
    "Name": "001"
}
```

6.2.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.3.2.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets".
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.2.3.3 Modifying Preset Information

6.2.3.3.1 Overview

Names	Description
Interface description	Modify the preset Information of a PTZ in the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>
Interface request method	PUT
How to submit data	application/json

6.2.3.3.2 URL Description

None

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6.2.3.3.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Preset number Value range: [1,] Default value: 1
Name	string	body	true	Preset name Default: 001 String length range: [1, 64]

6.2.3.3.4 Example for Request Parameters

```
{
   "ID": 1,
   "Name": "001"
}
```

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6.2.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.2.3.3.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

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6.2.3.4 Deleting Preset Information

6.2.3.4.1 Overview

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Names	Description
Interface description	Deletes a PTZ preset on the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>
Interface request method	DELETE
How to submit data	application/json

6.2.3.4.2 URL Description

None

6.2.3.4.3 Request Parameters

None

6.2.3.4.4 Example for Request Parameters

None

6.2.3.4.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.3.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Presets/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

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6.2.4 Pull Frame To Enlarge

6.2.4.1 PTZ Frame Zoom In

6.2.4.1.1 Overview

Names	Description
Interface description	For the specified video channel, the PTZ frame is enlarged.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn
Interface request method	PUT
How to submit data	application/json

6.2.4.1.2 URL Description

None

6.2.4.1.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
CenterPointX	integer<ushort>	body	true	Pull the abscissa of the center point of the frame The size does not exceed Width relative to the coordinate value of the Width of the playback window Default: 500
CenterPointY	integer<ushort>	body	true	Pull frame center point ordinate The size does not exceed Height relative to the coordinate value of the Height of the playback window Default: 500
LengthX	integer<ushort>	body	true	The Width of the pull box relative to the Width of the playback window width, the size does not exceed Width; Center point positioning can be filled with 0;
LengthY	integer<ushort>	body	true	The size does not exceed the Height of the pull frame relative to the Height of the playback window Height; 0 can be filled when the center point is positioned;
Width	integer<ushort>	body	true	Actual play window width Default: 1920
Height	integer<ushort>	body	true	Actual play window height Default: 1080

6.2.4.1.4 Example for Request Parameters

```
{
    "CenterPointX": 500,
    "CenterPointY": 500,
```

```
    "LengthX": 0,
    "LengthY": 0,
    "Width": 1920,
    "Height": 1080
}
```

6.2.4.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.4.1.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomIn",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.2.4.2 PTZ Frame Reduction

6.2.4.2.1 Overview

Names	Description
Interface description	For the specified video channel, PTZ frame reduction.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut
Interface request method	PUT
How to submit data	application/json

6.2.4.2.2 URL Description

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None

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6.2.4.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
CenterPointX	integer<ushort>	body	true	Pull the abscissa of the center point of the frame The size does not exceed Width relative to the coordinate value of the Width of the playback window Default: 500
CenterPointY	integer<ushort>	body	true	Pull frame center point ordinate The size does not exceed Height relative to the coordinate value of the Height of the playback window Default: 500
LengthX	integer<ushort>	body	true	The Width of the pull box relative to the Width of the playback window width, the size does not exceed Width; Center point positioning can be filled with 0;
LengthY	integer<ushort>	body	true	The size does not exceed the Height of the pull frame relative to the Height of the playback window Height; 0 can be filled when the center point is positioned;
Width	integer<ushort>	body	true	Actual play window width Default: 1920
Height	integer<ushort>	body	true	Actual play window height Default: 1080

6.2.4.2.4 Example for Request Parameters

```
{
   "CenterPointX": 500,
   "CenterPointY": 500,
   "LengthX": 0,
   "LengthY": 0,
   "Width": 1920,
   "Height": 1080
}
```

6.2.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.2.4.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AreaZoomOut",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5 Cruising

6.2.5.1 Start The Cruise

6.2.5.1.1 Overview

Names	Description
Interface description	Open the normal cruise/preset cruise of a certain route of the specified video channel, and the ID of the patrol is the serial number of the cruise route
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start
Interface request method	PUT
How to submit data	application/json

6.2.5.1.2 URL Description

None

6.2.5.1.3 Request Parameters

None

6.2.5.1.4 Example for Request Parameters

None

6.2.5.1.5 Return Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Start",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.2 Stop Cruising

6.2.5.2.1 Overview

Names	Description
Interface description	Stop the normal cruise/preset cruise of a certain route of the specified video channel, and the ID of the patrol is the serial number of the cruise route.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop
Interface request method	PUT
How to submit data	application/json

6.2.5.2.2 URL Description

None

6.2.5.2.3 Request Parameters

None

6.2.5.2.4 Example for Request Parameters

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None

6.2.5.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>/Stop",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.3 Query Cruise Route Information

6.2.5.3.1 Overview

name	Description
Interface description	Query Information about a cruise route in a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Interface request method	GET
How to submit data	application/json

6.2.5.3.2 URL Description

None

6.2.5.3.3 Request Parameters

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None

6.2.5.3.4 Example for Request Parameters

None

6.2.5.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of tracks, no more than 16
++PatrolInfos	object[]	body	true	Track Configuration
+++ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when setting Value range: [0,]
+++Num	integer	body	true	The number of actions for the PTZ operation
+++Name	string	body	true	Cruising route name String length range: [1, 64] Default: Patrol1
+++Actions	object	body	true	Action Information for pinion operation
++++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the preset, enter 1538 Default value: 1538 0x0102: Aperture decreases 0x0104: Aperture gets larger 0x0202: Near focus 0x0204: Far focus 0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Lower left 0x0802: Top right 0x0804: Bottom right 0x0901: Stop

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Parameter names	Parameter type	Parameter location	Required	Description
				0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow removal mode is off 0x1403: Scene Lock on 0x1404: Scene Lock turned off
++++Para1	integer	body	false	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed If PTZCmd is 0x402-0x804, the vertical speed is 0 when turn left (0x504) or turn right (0x502) PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++++PresetID	integer	body	false	Preset sequence number If Type is 0x602, this value is required
++++Duration	integer	body	false	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PatrolInfos": [
        {
          "ID": 0,
          "Num": 1,
          "Name": "Patrol1",
          "Actions": {
```

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```
                "Type": 1538,
                "Para1": 4,
                "Para2": 1,
                "Para3": 0,
                "PresetID": 1,
                "Duration": 1000
            }
        }
    ]
  }
 }
}
```

6.2.5.4 Modify Cruise Route Information

6.2.5.4.1 Overview

Names	Description
Interface description	Modify the Information of a cruise route for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Interface request method	PUT
How to submit data	application/json

6.2.5.4.2 URL Description

None

6.2.5.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of tracks, no more than 16
PatrolInfos	object[]	body	true	Track Configuration
+ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when setting Value range: [0,]
+Num	integer	body	true	The number of actions for the PTZ operation
+Name	string	body	true	Cruising route name String length range: [1, 64] Default: Patrol1
+Actions	object	body	true	Action Information for pinion operation
++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the preset, enter 1538 Default value: 1538 0x0102: Aperture decreases

Parameter names	Parameter type	Parameter location	Required	Description
				0x0104: Aperture gets larger 0x0202: Near focus 0x0204: Far focus 0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right 0x0804: Lower right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scene Lock on 0x1404: Scene Lock off
++Para1	integer	body	false	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++PresetID	integer	body	false	Preset sequence number If Type is 0x602, this value is required
++Duration	integer	body	false	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.4.4 Example for Request Parameters

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```
{
  "Num": 1,
  "PatrolInfos": [
    {
      "ID": 0,
      "Num": 1,
      "Name": "Patrol1",
      "Actions": {
        "Type": 1538,
        "Para1": 4,
        "Para2": 1,
        "Para3": 0,
        "PresetID": 1,
        "Duration": 1000
      }
    }
  ]
}
```

6.2.5.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.5 Delete Cruise Route Information

6.2.5.5.1 Overview

Names	Description
Interface description	Delete Information about a certain cruise route for a specified video channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>
Interface request method	DELETE
How to submit data	application/json

6.2.5.5.2 URL Description

None

6.2.5.5.3 Request Parameters

None

6.2.5.5.4 Example for Request Parameters

None

6.2.5.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.5.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

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6.2.5.6 Added Cruise Route Information

6.2.5.6.1 Overview

Names	Description
Interface description	Added preset cruise route Information for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Interface request method	POST
How to submit data	application/json

6.2.5.6.2 URL Description

None

6.2.5.6.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of tracks, no more than 16
PatrolInfos	object[]	body	true	Track Configuration
+ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when setting Value range: [0,]
+Num	integer	body	true	The number of actions for the PTZ operation
+Name	string	body	true	Cruising route name String length range: [1, 64] Default: Patrol1
+Actions	object	body	true	Action Information for pinion operation
++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the preset, enter 1538 Default value: 1538 0x0102: Aperture decreases 0x0104: Aperture gets larger 0x0202: Close focus 0x0204: Far focus 0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Top right

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Parameter name	Parameter type	Parameter location	Required	Description
				0x0804: Bottom right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wiper off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scene Lock on 0x1404: Scene Lock turned off
++Para1	integer	body	false	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402, 0x404 Required; If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++PresetID	integer	body	false	Preset sequence number If Type is 0x602, this value is required
++Duration	integer	body	false	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.6.4 Example for Request Parameters

```
{
  "Num": 1,
  "PatrolInfos": [
    {
      "ID": 0,
      "Num": 1,
      "Name": "Patrol1",
      "Actions": {
        "Type": 1538,
        "Para1": 4,
        "Para2": 1,
        "Para3": 0,
        "PresetID": 1,
        "Duration": 1000
```

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```
        }
      }
    ]
}
```

6.2.5.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.7 Batch Query Cruise Route Information List

6.2.5.7.1 Overview

Names	Description
Interface description	Query Information on all cruise routes for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Interface request method	GET
How to submit data	application/json

6.2.5.7.2 URL Description

None

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6.2.5.7.3 Request Parameters

None

6.2.5.7.4 Example for Request Parameters

None

6.2.5.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of cruise routes currently configured Default: 1
++PatrolInfos	object[]	body	true	Cruise route Information
+++ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when setting Value range: [0,]
+++Num	integer	body	true	The number of actions for the PTZ operation
+++Name	string	body	true	Cruising route name String length range: [1, 64] Default value: Patrol1
+++Actions	object	body	true	Action Information for pinion operation
++++Type	integer	body	true	Type of cruise action Enter decimal, e.g. 0x0602 If you go to the preset, enter 1538 Default value: 1538 0x0102: Aperture decreases 0x0104: Aperture gets larger 0x0202: Near focus 0x0204: Far focus 0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left

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Parameter names	Parameter type	Parameter location	Required	Description
				0x0802: Top right 0x0804: Bottom right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scene Lock on 0x1404: Scene Lock turned off
++++Para1	integer	body	false	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402 and 0x404 mandatory. If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++++PresetID	integer	body	false	Preset sequence number If Type is 0x602, this value is required
++++Duration	integer	body	false	Action time Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PatrolInfos": [
        {
```

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```
            "ID": 0,
            "Num": 1,
            "Name": "Patrol1",
            "Actions": {
              "Type": 1538,
              "Para1": 4,
              "Para2": 1,
              "Para3": 0,
              "PresetID": 1,
              "Duration": 1000
            }
          }
        ]
      }
    }
}
```

6.2.5.8 Batch Modify Cruise Route Information

6.2.5.8.1 Overview

Names	Description
Interface description	Batch modify cruise route Information for a specified video channel Some device models do not support batch modification
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/Patrols
Interface request method	PUT
How to submit data	application/json

6.2.5.8.2 URL Description

None

6.2.5.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of cruise routes currently configured Default: 1
PatrolInfos	object[]	body	true	Cruise route Information
+ID	integer	body	true	Cruise route serial number Start at 0 and use the serial number you found when setting Value range: [0,]
+Num	integer	body	true	The number of actions for the PTZ operation
+Name	string	body	true	Cruising route name String length range: [1, 64] Default: Patrol1

Parameter names	Parameter type	Parameter location	Required	Description
+Actions	object	body	true	Action Information for pinion operation
++Type	integer	body	true	Type of cruise action Enter the decimal number, for example, 0x0602. Enter 1538 when the preset is changed Default value: 1538 0x0102: Aperture decreases 0x0104: Aperture gets larger 0x0202: Near focus 0x0204: Far focus 0x0302: Zoom in 0x0304: Zoom in 0x0402: Up 0x0404: Down 0x0502: To the right 0x0504: To the left 0x0601: Preset setting instruction 0x0602: Preset Call instruction 0x0702: Top left 0x0704: Bottom left 0x0802: Upper right 0x0804: Bottom right 0x0901: Stop 0x0A01: Wiper on 0x0A02: Wipers off 0x0B01: Lights on 0x0B02: Lights off 0x0C01: Heat on 0x0C02: Heat Off 0x0D01: Infrared on 0x0D02: Infrared Off 0x0D03: Fill light control 0x1001: PTZ cruise on preset 0x1002: PTZ cruises off on preset 0x1301: Snow Removal mode activated 0x1302: Snow Removal Mode is off 0x1403: Scenario locked start 0x1404: Scene Lock turned off
++Para1	integer	body	false	PTZ command parameter 1, lateral speed Only used when parameter PTZCmd is 0x402-0x804, in "turn up (0x402)", "turn down (0x404)", horizontal speed is 0 Optional when PTZCmd is not 0x402-0x804; Preset speed uses this field Value range: [1, 9]
++Para2	integer	body	false	PTZ command parameter 2, longitudinal speed Only used when parameter PTZCmd is 0x402-0x804, in "turn left (0x504)", "turn right (0x502)", vertical speed is 0 PTZCmd is 0x402 and 0x404 mandatory. If PTZCmd is 0x702-0x804, the parameter of Para1 is taken, and the Para2 data is invalid Value range: [1, 9]
++Para3	integer	body	false	The magnification of the lens magnification *100 This value is required for Type 0x302 and 0x304
++PresetID	integer	body	false	Preset sequence number If Type is 0x602, this value is required
++Duration	integer	body	false	Action time

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Parameter names	Parameter type	Parameter location	Required	Description
				Indicates the duration of an action, a value of 0 means that the action has been held, in milliseconds Value range: [0, 1800000]

6.2.5.8.4 Example for Request Parameters

```
{
  "Num": 1,
  "PatrolInfos": [
    {
      "ID": 0,
      "Num": 1,
      "Name": "Patrol1",
      "Actions": {
        "Type": 1538,
        "Para1": 4,
        "Para2": 1,
        "Para3": 0,
        "PresetID": 1,
        "Duration": 1000
      }
    }
  ]
}
```

6.2.5.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/Patrols",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
```

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```
  }
}
```

6.2.5.9 Start Recording Cruise

6.2.5.9.1 Overview

Names	Description
Interface description	Enable the cruise of a recorded route on a specified video channel. The ID of the RecordedPatrols is the serial number of the recorded cruise line.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start
Interface request method	PUT
How to submit data	application/json

6.2.5.9.2 URL Description

None

6.2.5.9.3 Request Parameters

None

6.2.5.9.4 Example for Request Parameters

None

6.2.5.9.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.9.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Start",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.10 Stop Recording Cruise

6.2.5.10.1 Overview

Names	Description
Interface description	Stop the cruise of a recorded route of the specified video channel. The ID of the RecordedPatrols is the serial number of the recorded cruise line.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop
Interface request method	PUT
How to submit data	application/json

6.2.5.10.2 URL Description

None

6.2.5.10.3 Request Parameters

None

6.2.5.10.4 Example for Request Parameters

None

6.2.5.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.2.5.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/Stop",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.11 Start Recording The Cruise Path

6.2.5.11.1 Overview

Names	Description
Interface description	Start recording a cruise line of the specified video channel. The ID of the corresponding RecordedPatrols is the serial number of the cruise line of the specified recording.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord
Interface request method	PUT
How to submit data	application/json

6.2.5.11.2 URL Description

None

6.2.5.11.3 Request Parameters

None

6.2.5.11.4 Example for Request Parameters

None

6.2.5.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StartRecord",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.12 End Recording Cruise Path

6.2.5.12.1 Overview

name	Description
Interface description	End recording a cruise line of the specified video channel, the ID of the corresponding RecordedPatrols is the serial number of the cruise line of the specified recording, a new recording cruise path will be added after the end of recording.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord
Interface request method	PUT
How to submit data	application/json

6.2.5.12.2 URL Description

None

6.2.5.12.3 Request Parameters

None

6.2.5.12.4 Example for Request Parameters

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None

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6.2.5.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>/StopRecord",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.13 Delete The Recorded Cruise Path

6.2.5.13.1 Overview

Names	Description
Interface description	Delete a recorded cruise route message for a specified video channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>
Interface request method	DELETE
How to submit data	application/json

6.2.5.13.2 URL Description

None

6.2.5.13.3 Request Parameters

None

6.2.5.13.4 Example for Request Parameters

None

6.2.5.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.5.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.2.5.14 Batch Query Recorded Cruise Route Information

6.2.5.14.1 Overview

Names	Description
Interface description	Gets all recorded cruise route Information for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols
Interface request method	GET
How to submit data	application/json

6.2.5.14.2 URL Description

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None

6.2.5.14.3 Request Parameters

None

6.2.5.14.4 Example for Request Parameters

None

6.2.5.14.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Record cruise route number Value range: [0,] Default value: 1
++RecordedPatrolInfos	object[]	body	true	Record cruise route Information
+++ID	integer	body	true	Record cruise route serial number Set up using the serial number you have queried, counting from 0, separate sequence from normal cruise/scan cruise Value range: [0,]

6.2.5.14.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/RecordedPatrols",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "RecordedPatrolInfos": [
        {
          "ID": 0
        }
      ]
    }
  }
```

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```
}
```

6.2.6 Absolute move

6.2.6.1 Get PTZ PT Position

6.2.6.1.1 Overview

name	Description
Interface description	Gets the latitude and longitude of the specified video input channel scene PTZ PT
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteMove
Interface request method	GET
How to submit data	application/json

6.2.6.1.2 URL Description

None

6.2.6.1.3 Request Parameters

None

6.2.6.1.4 Example for Request Parameters

None

6.2.6.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Longitude	float	body	true	PTZ longitude (Angle of horizontal movement of PTZ) See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places

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Parameter name	Parameter type	Parameter location	Required	Description
				Default to 0
++Latitude	float	body	true	PTZ latitude (Angle at which the PTZ flips up and down) See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places Default to 0
++MoveSpeed	float	body	true	Turn the angular speed, 0 for using the default speed

6.2.6.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteMove",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Longitude": 170.36,
      "Latitude": 20.66,
      "MoveSpeed": 0
    }
  }
}
```

6.2.6.2 Set The PTZ PT Position

6.2.6.2.1 Overview

name	Description
Interface description	Set the latitude and longitude of the specified video input channel scene PTZ PT
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteMove
Interface request method	PUT
How to submit data	application/json

6.2.6.2.2 URL Description

None

6.2.6.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Longitude	float	body	true	PTZ longitude (Angle of horizontal movement of PTZ)

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Parameter Name	Parameter type	Parameter location	Required	Description
				See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places Default to 0
Latitude	float	body	true	Tilt latitude See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places Default to 0
MoveSpeed	float	body	true	Turn the angular speed, 0 for using the default speed

6.2.6.2.4 Example for Request Parameters

```
{
   "Longitude": 170.36,
   "Latitude": 20.66,
   "MoveSpeed": 0
}
```

6.2.6.2.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.6.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteMove",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.2.7 Absolute Magnification

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6.2.7.1 Get The Variable Magnification

6.2.7.1.1 Overview

name	Description
Interface description	Get the specified video input channel scene PTZ variable multiples
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteZoom
Interface request method	GET
How to submit data	application/json

6.2.7.1.2 URL Description

None

6.2.7.1.3 Request Parameters

None

6.2.7.1.4 Example for Request Parameters

None

6.2.7.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ZoomRatio	float	body	true	Magnification See Capabilities Interface/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum configurable magnification Accurate to two decimal places
++ZoomSpeed	float	body	true	Head zoom speed, accuracy to two decimal places

6.2.7.1.6 Example for Returning Parameters

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```
{
   "Response": {
"ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteZoom",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
"ZoomRatio": 2.66,
"ZoomSpeed": 0.5
}
}
}
```

6.2.7.2 Set Variable Magnification

6.2.7.2.1 Overview

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Names	Description
Interface description	Set the specified video input channel scene PTZ variable multiple
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteZoom
Interface request method	PUT
How to submit data	application/json

6.2.7.2.2 URL Description

None

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6.2.7.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ZoomRatio	float	body	true	Magnification See Capabilities Interface/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum configurable magnification Accurate to two decimal places
ZoomSpeed	float	body	true	Head zoom speed, accuracy to two decimal places

6.2.7.2.4 Example for Request Parameters

```
{
   "ZoomRatio": 2.66,
   "ZoomSpeed": 0.5
}
```

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6.2.7.2.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.2.7.2.6 Example for Returning Parameters

```
{
   "Response": {
   "ResponseURL": "/LAPI/V1.0/Channels/<ID>/PTZ/AbsoluteZoom",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.3 Events

6.3.1 Event Subscription

6.3.1.1 Overview

Names	Description
Interface description	Subscribe to Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription
Interface request method	POST
How to submit data	application/json

6.3.1.2 URL Description

None

6.3.1.3 Request Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
DeviceID	string	body	false	Alarm device ID, length range: [0, 64]
AddressType	integer	body	true	IP address type Currently only IPv4 is supported 0: IPv4 1: IPv6 2: Domain name 3: Both IPv4 and IPv6 are required
IPAddress	string	body	true	IP address Length range: [0, 64], the value ranges from 0 to 63 for some devices
Port	integer	body	true	Ports Range: [1, 65535]
Duration	integer	body	true	Subscription cycle In s, range: [30, 3600] The amount of time the subscription can be maintained, the subscription will be automatically disconnected when the time limit is reached
Type	integer	body	false	Subscription type Example: Bit14 set corresponds to the decimal number 16384 Each BIT corresponds to a subscription type. From low to high, the number is 0 to 31. The corresponding BIT is 1, indicating that the subscription type is valid Bit0: indicates the device status type alarm Bit1: Monitoring service alarm Bit2: pan-intelligent alarm Bit3: Smart alarm Bit4: Face recognition Bit5: Structured data Bit6: License plate recognition Bit8: ESP data Bit10: Person verification Bit11: Vehicle traffic data Bit12: Fire point detection alarms Bit13: alarm picture data Bit14: People count Bit16: Heat map
ImagePushMode	integer	body	false	Image push mode When this field is not carried, the default is to push through Base64 data Default to 0 0: Base64 data or binary data 1: local URL 2: cloud storage URL
SubscribePersonCondition	object	body	false	Subscribe to people data conditions
+LibIDNum	integer	body	false	Number of library ids subscribed to Max. 16 When the subscription type is 0, the LibIDNum and LibIDList fields are not required When the subscription type is 1, you need to specify the number and ID value of the library ids to be subscribed. If

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Parameter name	Parameter type	Parameter location	Required	Description
				LibIDNum is 0xFFFF, it indicates that all libraries are subscribed. Person check subscription (Type is 1024) interface LibIDNum can only fill 65535, LibIDList fill []
+LibIDList	object[]	body	false	List of library ids to subscribe to
++LibID	integer	body	false	The library ID of the subscription This field is optional when LibIDNum is 0

6.3.1.4 Example for Request Parameters

```
{
   "DeviceID": "1",
   "AddressType": 0,
   "IPAddress": "192.168.0.1",
   "Port": 80,
   "Duration": 30,
   "Type": 0,
   "ImagePushMode": 1,
   "SubscribePersonCondition": {
      "LibIDNum": 1,
      "LibIDList": [
         {
            "LibID": 2
         }
      ]
   }
}
```

6.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Same as the last paragraph of the URL in parameter Reference, used to identify the subscription, refresh the subscription, delete the subscription operations need to carry this ID, to indicate the need to operate the subscription, the subscriber index, -1 is invalid
++Reference	string	body	true	Subscriber description Information, in URL format

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Parameter names	Parameter type	Parameter location	Required	Description
++CurrentTime	integer	body	true	Subscribe to the event start time UTC time, the number of seconds since 0:00 on January 1, 1970
++TerminationTime	integer	body	true	Subscribe to event end times UTC time, the number of seconds from 0:00 on January 1, 1970
++SupportType	integer	body	false	Subscribe to successful alarms Not supported on some device models

6.3.1.6 Example for Returning Parameters

```
{
   "Response": {
   "ResponseURL": "/LAPI/V1.0/System/Event/Subscription",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "ID": 0,
         "Reference": "192.168.0.13:80/Subscription/Subscribers/0".
         "CurrentTime": 1477104900,
         "TerminationTime": 1477104949,
         "SupportType": 0
      }
   }
}
```

6.3.2 Refresh Subscription

6.3.2.1 Overview

Names	Description
Interface description	Refreshing the alarm event subscription
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription/<ID>
Interface request method	PUT
How to submit data	application/json

6.3.2.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	Alarm subscription ID, assigned by the subscriber. In the subscription alarm event interface, a successful subscription is returned to the subscriber in the form of a return value. This ID is required to refresh or cancel the alarm subscription

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6.3.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Duration	integer	body	true	Subscribe to keepalive cycles In seconds, range: [30, 3600]
Reference	string	body	false	Subscriber description Information, in URL format

6.3.2.4 Example for Request Parameters

```
{
   "Duration": 300,
   "Reference": "192.168.2.57:80/Subscription/Subscribers/1000"
}
```

6.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Reference	string	body	false	Subscriber description Information, in URL format
++CurrrntTime	integer	body	true	Subscribe to the event start time UTC time, the number of seconds since 0:00 on January 1, 1970
++TerminationTime	integer	body	true	Subscribe to event end times UTC time, the number of seconds from 0:00 on January 1, 1970

6.3.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Subscription/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": {
         "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1\"",
         "CurrrntTime": 1477104900,
         "TerminationTime": 1477104949
```

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```
    }
  }
}
```

6.3.3 Unsubscribe

6.3.3.1 Overview

Names	Description
Interface description	Unsubscribe the alarm events with the specified ID
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Subscription/<ID>
Interface request method	DELETE
How to submit data	application/json

6.3.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	Alarm subscription ID, assigned by the subscriber. In the subscription alarm event interface, a successful subscription is returned to the subscriber in the form of a return value. This ID is required to refresh or cancel the alarm subscription

6.3.3.3 Request Parameters

None

6.3.3.4 Example for Request Parameters

None

6.3.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter name	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.3.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Subscription/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.4 Alarm Events

6.3.4.1 Overview

Names	Description
Interface description	Push Alarm Events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Alarm
Interface request method	POST
How to submit data	application/json

6.3.4.2 URL Description

None

6.3.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points The value contains a maximum of 256 characters
AlarmInfo	object	body	true	Alarm push message
+AlarmType	string	body	true	For details about the alarm type, see 7.3 Alarm Types The value contains a maximum of 256 characters
+AlarmLevel	integer	body	true	Alarm level

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Level 1, 1: Level 2, 2: Level 3. Use only when counting people
+TimeStamp	integer	body	true	Alarm time
+AlarmSeq	integer	body	false	Alarm serial number
+AlarmSrcID	integer	body	false	Alarm source ID The single-channel report is fixed to 0. The multi-channel report starts from 1
+AlarmSrcName or SourceName	string	body	false	Alarm source name String length range: [0, 128] Parameter Name The model of some devices is AlarmSrcName The model of some devices is SourceName The content is usually Channel<AlarmSrcID>
+RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
+DeviceID	string	body	false	Alarm device ID Fill in the GB registration code when the GB protocol is accessed, length [1,64]
RelatedObjects	object	body	true	Target Information about the alarm associated data This field is required when an alarm is reported with the associated target data
+ObjectNum	integer	body	true	Number of targets
+ObjectList	object[]	body	true	List of goals The maximum number of targets is 30, and the maximum number of targets is 40 for some device models
++ObjectType	integer	body	true	Target type 1: Face 2: Human body 3: Non-motor vehicle 4: Motor vehicle 255: Unknown/unidentified target type
++ObjectID	integer	body	true	Target ID

6.3.4.4 Example for Request Parameters


```
{
  "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
  "AlarmInfo": {
    "AlarmType": "\"MotionAlarmOn\"",
    "AlarmLevel": 0,
    "TimeStamp": 1489040894,
    "AlarmSeq": 327,
    "AlarmSrcID": 860,
    "AlarmSrcName or SourceName": "206.9.252.7 _V_6",
```


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```
      "RelatedID": "5ED9FE4C0000001",
      "DeviceID": "28000190234212343478"
    },
    "RelatedObjects": {
      "ObjectNum": 1,
      "ObjectList": [
        {
          "ObjectType": 1,
          "ObjectID": 0
        }
      ]
    }
}
```

6.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.4.6 Example for Returning Parameters

```
{
    "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Alarm",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
    }
}
```

6.3.5 Helmet Chef Hat Detection Event

6.3.5.1 Overview

Names	Description
Interface description	Push no chef hat, no hard hat event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/HatDetection

Names	Description
Interface request method	POST
How to submit data	application/json

6.3.5.2 URL Description

None

6.3.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details SafetyHelmetAlarm: Not wearing a helmet ChefHatAlarm: Not wearing a chef's hat
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has associated data
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
AlarmPicture	object	body	true	Alarm picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG

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Parameter names	Parameter type	Parameter location	Required	Description
				1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte. The maximum value is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models
++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL
++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type to be reported is cloud storage
++ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: Internal error 2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error Not supported on some device models
++TransferTime	integer	body	false	The transfer time of the image from the start of upload to the end of upload In milliseconds (ms) Not supported on some device models

6.3.5.4 Examples Of Request Parameters

```
{
    "Reference": "172.20.228.9:80/210235 c79m3233000001/Subscription/Subscribers/2",
    "AlarmType": "ChefHatAlarm",
    "TimeStamp": 1706528537,
    "SourceID": 1,
    "Seq": 870,
    "RelatedID": "002001706528537",
    "DeviceID": "",
```

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```
  "SourceName": "..... 01 ",
  "TargetsInfo": {
    "TargetsInfoNum": 1,
    "TargetsInfoList": [{
      "Index": 1,
      "ImageID": 1,
      "Position": "4317,55; 4864100 9"
    }]
  },
  "AlarmPicture": {
  "ImageNum": 2,
  "ImageList": [
    {
      "Index": 1,
      "Type": 2,
      "Format": 2,
      "Width": 1920,
      "Height": 1080,
      "CaptureTime": 1706528537,
      "Size": 3076,
      "Data":1,
      "DataType": 0
    },
    {
        "Index": 0,
        "Type": 1,
        "Format": 2,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 1706528537,
        "Size": 267396,
        "Data":1,
        "DataType": 0
      }
    ]
  }
}
```


6.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/HatDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.6 Work Clothes Detection Event

6.3.6.1 Overview

Names	Description
Interface description	Push work uniform inspection data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/WorkClothesDetection
Interface request method	POST
How to submit data	application/json

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6.3.6.2 URL Description

None

6.3.6.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url for a client to confirm the event message of push alarms <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	For details about the alarm type, see 7.3 Alarm Types WorkClothesAlarm: not wearing overalls SafetyHelmetAlarm: not wearing a hard hat ChefHatAlarm: Not wearing a chef's hat
TimeStamp	integer	body	true	Report data generation time UTC time, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera

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Parameter names	Parameter type	Parameter location	Required	Description
				The value is 15 characters in length This field is required when the alarm has data associated with it
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
AlarmPicture	object	body	true	Picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models
++URL	string	body	false	Image URL, which can be used to Get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL
++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type to be reported is cloud storage
++ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: Internal error

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Parameter names	Parameter type	Parameter location	Required	Description
				2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error Not supported on some device models
++TransferTime	integer	body	false	Image transmission time from the start to the end of upload In milliseconds (ms) Not supported on some device models
TargetsInfo	object	body	true	Target coordinate Information
+TargetsInfoNum	integer	body	true	Target amount
+TargetsInfoList	object[]	body	false	List of target coordinate Information
++Index	integer	body	true	Target index, starting at 1
++ImageID	integer	body	true	Picture ID Associated with the index of ImageInfo
++Position	string	body	true	The target position Information screen coordinates are normalized, expressed by ten thousandths ratio Rectangle top left and bottom right points: "138,315; 282,684 ""," and ";" Both are English half corners String length range: [0, 32]

6.3.6.4 Example for Request Parameters


```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "SafetyHelmetAlarm",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "DeviceID": "28000190234212343478",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "URL", "\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
            "UploadID": "A5936C0J8914AN001024",
            "UploadStatus": 1,
            "ErrorCode": 1,
            "TransferTime": 300
         }
      ]
   },
   "TargetsInfo": {
```


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```
      "TargetsInfoNum": 2,
      "TargetsInfoList": [
        {
          "Index": 1,
          "ImageID": 1,
          "Position": "138,315; 282684"
        }
      ]
    }
}
```

6.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/WorkClothesDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.7 Zone Population Statistics Data

6.3.7.1 Overview

Names	Description
Interface description	Push area statistics rule data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PeopleCount/AreaRuleData
Interface request method	POST

Names	Description
How to submit data	application/json

6.3.7.2 URL Description

None

6.3.7.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	false	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
TimeStamp	integer	body	true	Reporting time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
DeviceID	string	body	true	Device ID National Standard protocol to fill in the national standard registration code, length [1,32]
ChannelID	integer	body	false	Channel number Start at 0
AreaNum	integer	body	true	Number of zone rules The value starts from 0, where 0 indicates that no region rules are reported
AreaRuleDataList	object[]	body	false	List of zone rule statistics This parameter is mandatory when AreaNum is not 0
+AreaID	integer	body	true	Detect zone ID number Start at 0
+ObjectNum	integer	body	true	Zone Rules Current number of people

6.3.7.4 Example for Request Parameters


```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "DeviceID": "28000190234212343478",
   "ChannelID": 860,
   "AreaNum": 1,
   "AreaRuleDataList": [
      {
         "AreaID": 1,
         "ObjectNum": 20
      }
   ]
}
```


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6.3.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/PeopleCount/AreaRuleData",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.8 Tripwire Count Statistics Data

6.3.8.1 Overview

Names	Description
Interface description	Push tripwire statistics rule data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PeopleCount/LineRuleData
Interface request method	POST
How to submit data	application/json

6.3.8.2 URL Description

None

6.3.8.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	false	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
TimeStamp	integer	body	true	Reporting time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
DeviceID	string	body	true	Device ID National Standard protocol to fill in the national standard registration code, length [1,32]
ChannelID	integer	body	false	Channel number Start at 0
LineNum	integer	body	true	Trip wire rule number Start with 0, where 0 means no trip wire rules are reported
LineRuleDataList	object[]	body	false	Data for trip wire rule statistics LineNum This parameter is mandatory when the value is not 0
+LineID	integer	body	false	Trip wire ID number, starting at 0
+BeginPassTime	string	body	true	Detection start time YYYYMMDDHHMMSS, in 24-hour format, string length [0,18] Default value: 20190919121212
+EndPassTime	string	body	true	Detection end time YYYYMMDDHHMMSS, on a 24-hour basis Default value: 20190919121218
+ObjectIn	integer	body	true	The number of incoming users in a specified time
+ObjectOut	integer	body	true	Configure the number of people leaving within the time
+TotalBeginTime	string	body	false	Total count start time: YYYYMMDDHHMMSS in a 24-hour system Character string length [0,18] Rerecord start time when count is cleared to zero Default: 20190919121212
+TotalIn	integer	body	false	Enter total Count resumes when cleared to zero
+TotalOut	integer	body	false	Total number of people leaving Resume when count clears zero

6.3.8.4 Example for Request Parameters

```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "DeviceID": "28000190234212343478",
   "ChannelID": 860,
   "LineNum": 1,
   "LineRuleDataList": [
      {
```

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```
        "LineID": 3,
        "BeginPassTime": "20190919121212",
        "EndPassTime": "20190919121218",
        "ObjectIn": 0,
        "ObjectOut": 0,
        "TotalBeginTime": "20190919121212",
        "TotalIn": 0,
        "TotalOut": 0
    }
  ]
}
```

6.3.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.8.6 Example for Returning Parameters

```
{
  "Response": {
"ResponseURL": "/LAPI/V1.0/System/Event/Notification/PeopleCount/LineRuleData",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
}
}
```

6.3.9 Conflagration Detection event

6.3.9.1 Overview

Names	Description
Interface description	Push Conflagration, Flame and Fumes detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Conflagration
Interface request method	POST

Names	Description
How to submit data	application/json

6.3.9.2 URL Description

None

6.3.9.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details This parameter is used when the current NVR reports alarms FlameAndFumesAlarmBegin: indicates a firework detection alarm Used when NVR parses downlink alarms FumesAlarmBegin: pyrotechnic detection alarm Default value: FallOverDetection FallOverDetection: Falls to the detection alarm
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
DeviceCode	string	body	false	Device coding
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value contains 15 characters This field is required when the alarm has data associated with it
Conflagration	object	body	true	Fire alarm details
+PTPosition	object	body	false	PTZ PT position
++Longitude	float	body	true	Head longitude See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places Default to 0

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Parameter names	Parameter type	Parameter location	Required	Description
++Latitude	float	body	true	PTZ latitude (Angle at which the PTZ flips up and down) See/LAPI/V1.0/Channels/<ID>/PTZ/Capabilities for maximum and minimum capabilities Accurate to two decimal places Default to 0
+Num	integer	body	true	Number of channels
+ConflagrationChannelInfoList	object[]	body	false	Fire alarm access Information Fire channel Information. This parameter is mandatory when Num is not 0
++ChannelID	integer	body	true	Channel ID
++HorizontalFieldAngle	float	body	false	Horizontal field of view Angle The Angle of the horizontal field of view of the lens when the location of the fire is found, accurate to two decimal places
++VerticalFieldAngle	float	body	false	Vertical field of view Angle The Angle of the vertical field of view Angle of the lens when the location of the Conflagration is found, accurate to two decimal places
++LensView	float	body	true	The Angle of the lens field of view Angle at which the Conflagration position is found, accurate to two decimal places
++Num	integer	body	true	Number of ignition points
++FirePointsInfoList	object[]	body	false	A list of location Information for different Conflagrations, required when Num is not 0
+++ID	integer	body	true	Fire point ID Can be used to associate Conflagrations in different channels
+++Num	integer	body	true	Number of Conflagration coordinates
+++PointList	object[]	body	true	List of Conflagration coordinates
++++X	integer	body	true	X-axis coordinates Ten-thousandths ratio representation, range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinate Ten-thousandths ratio representation, range: [0, 9999]
++AlarmPicture	object	body	true	Fire point pictures
+++ImageNum	integer	body	true	Number of pictures
+++ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++++Type	integer	body	true	Image type See 7.1.14 Image Types for details

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Parameter names	Parameter type	Parameter location	Required	Description
++++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++++Width	integer	body	true	Width of the image
++++Height	integer	body	true	Height of the image
++++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models
++++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL
++++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type to be reported is cloud storage
++++ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: Internal error 2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error Not supported on some device models
++++TransferTime	integer	body	false	The transfer time of the image from the start of upload to the end of upload In milliseconds (ms) Not supported on some device models

6.3.9.4 Example for Request Parameters

```
{
    "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
    "AlarmType": "FallOverDetection",
    "TimeStamp": 1489040894,
    "Seq": 327,
    "SourceID": 860,
```

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```
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceID": "28000190234212343478",
  "DeviceCode": "string",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "Conflagration": {
    "PTPosition": {
      "Longitude": 170.36,
      Latitude: 20.66
    },
    "Num": 2,
    "ConflagrationChannelInfoList": [
      {
        "ChannelID": 2,
        "HorizontalFieldAngle": 60.03,
        "VerticalFieldAngle": 42.75,
        "LensView": 0,
        "Num": 1,
        "FirePointsInfoList": [
          {
            "ID": 0,
            "Num": 0,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        ],
        "AlarmPicture": {
          "ImageNum": 1,
          "ImageList": [
            {
              "Index": 0,
              "Type": 1,
              "Format": 0,
              "Width": 1920,
              "Height": 1080,
              "CaptureTime": 0,
              "Size": 128000,
              "URL",
"\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
              "UploadID": "A5936C0J8914AN001024",
              "UploadStatus": 1,
              "ErrorCode": 1,
              "TransferTime": 300
            }
          ]
        }
      }
    ]
  }
}
```


6.3.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.9.6 Example for Returning Parameters

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```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Conflagration",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.3.10 Loitering events

6.3.10.1 Overview

Names	Description
Interface description	Push zone loitering events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Loitering
Interface request method	POST
How to submit data	application/json

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6.3.10.2 URL Description

None

6.3.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: Helps to distinguish different subscribing clients when the same IP and port user logs in at multiple points

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Parameter names	Parameter type	Parameter location	Required	Description
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: Loitering Loitering: Hover
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
DeviceCode	string	body	false	Device coding
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has associated data
AlarmPicture	object	body	true	Picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event Some devices do not support this parameter
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970

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Parameter names	Parameter type	Parameter location	Required	Description
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models

6.3.10.4 Example for Request Parameters


```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "Loitering",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "DeviceCode": "string",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "ChannelID": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000
         }
      ]
   }
}
```


6.3.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.10.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Loitering",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.11 Fast Moving Detection Events

6.3.11.1 Overview

Names	Description
Interface description	Push detects fast movement of a human or mouse
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FastMovingDetection
Interface request method	POST
How to submit data	application/json

6.3.11.2 URL Description

None

6.3.11.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: FastMoving FastMoving: Fast moving
TimeStamp	integer<uint32>	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceCode	string	body	false	Channel coding

Parameter names	Parameter type	Parameter location	Required	Description
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
TargetType	string	body	false	Detect type Pedestrian by default Default: 3 1: Motor vehicle (reserved) 2: Non-motor vehicle (reserved) 3: Pedestrian (default) 4: Mouse
AlarmPicture	object	body	true	Picture data carried by the alarm
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models
++ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: Internal error 2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error Not supported on some device models
++TransferTime	integer	body	false	The transfer time of the image from the start of upload to the end of upload In milliseconds (ms) Not supported on some device models

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6.3.11.4 Example for Request Parameters

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```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "FastMoving",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceCode": "string",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "TargetType": "4",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "ErrorCode": 1,
            "TransferTime": 300
         }
      ]
   }
}
```


6.3.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.11.6 Example for Returning Parameters


```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FastMovingDetection",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
```

```
  }
}
```

6.3.12 Temperature Detection Event

6.3.12.1 Overview

Names	Description
Interface description	Push temperature detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/TemperatureDetection
Interface request method	POST
How to submit data	application/json

6.3.12.2 URL Description

None

6.3.12.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type For details, see 7.3 Alarm Types
TimeStamp	integer	body	true	Time of alarm occurrence UTC (unit: second)
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	ID of the alarm source channel
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceCode	string	body	false	Device coding
RelatedID	string	body	false	The associated ID of an alarm event and alarm data is globally unique in a camera The value is 15 characters in length This field is required when the alarm has data associated with it
TemperatureAlarmInfo	object	body	true	Temperature alarm data
+RuleType	integer	body	true	Type of rule

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Parameter name	Parameter type	Parameter location	Required	Description
				Used to detect temperature alarms within a rule 1: Full-screen rule for temperature alarms 2: temperature alarm single rule (point, line, polygon rule) 3: Temperature alarm rules, including single rule and comparison rule (that is, the difference between two single rule temperature alarm types)
+RuleId	integer	body	false	Rule ID This parameter is mandatory when RuleType is 2 or 3
+ReferenceRuleId	integer	body	false	Contrast rule ID If RuleType is set to 3, this parameter is mandatory. If the comparison rule is two single rules, the comparison rule ID must be the second rule ID.
+AlarmCondition	integer	body	false	Temperature alarm trigger condition 1: Below 2: higher than 3: Match (equal to)
+ValueType	integer	body	false	Alarm value type 1: Maximum temperature 2: lowest temperature 3: Average temperature (point temperature) 4: Temperature difference 5: temperature change rate
+AlarmValue	float	body	false	Alarm value If ValueType is 5, it indicates the temperature change rate. Other alarms indicate the temperature value. The accuracy is two decimal places The unit of temperature is Celsius The unit of temperature change rate is Celsius per minute
+Threshold	float	body	false	Alarm threshold If ValueType is 5, it indicates the threshold of the temperature change rate. Other values indicate the temperature threshold, with an accuracy of two decimal places Temperature unit: Celsius The unit of temperature change rate is Celsius per minute
+ChannelNum	integer	body	true	Number of channels
+TemperatureChannelInfoList	object[]	body	false	List of temperature alarm channels This parameter is mandatory when the ChannelNum value is not 0
++ChannelID	integer	body	true	Channel ID
++AlarmPicture	object	body	false	Picture Information
+++ImageNum	integer	body	true	Number of pictures
+++ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++++Index	integer	body	true	Image index

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Parameter name	Parameter type	Parameter location	Required	Description
				From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++++Width	integer	body	true	Width of the image
++++Height	integer	body	true	Height of the image
++++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models

6.3.12.4 Example for Request Parameters


```
{
  "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
  "AlarmType": "string",
  "TimeStamp": 1489040894,
  "Seq": 327,
  "SourceID": 860,
  "SourceName": "\"206.9.252.7_V_6\"",
  "DeviceCode": "string",
  "RelatedID": "\"5ED9FE4C0000001\"",
  "TemperatureAlarmInfo": {
    "RuleType": 3,
    "RuleId": 1,
    "ReferenceRuleId": 3,
    "AlarmCondition": 1,
    "ValueType": 1,
    "AlarmValue": 50.21,
    "Threshold": 50.21,
    "ChannelNum": 2,
    "TemperatureChannelInfoList": [
      {
        "ChannelID": 0,
        "AlarmPicture": {
          "ImageNum": 1,
          "ImageList": [
            {
              "Index": 0,
              "Type": 1,
              "Format": 0,
              "Width": 1920,
```


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```
                "Height": 1080,
                "CaptureTime": 0,
                "Size": 128000
            }
        ]
    }
  }
 ]
}
}
```

6.3.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/TemperatureDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.13 Structure Events

6.3.13.1 Overview

Names	Description
Interface description	Push Structured data
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/Structure
Interface request method	POST

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Names	Description
How to submit data	application/json

6.3.13.2 URL Description

None

6.3.13.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: Helps to distinguish different subscribing clients when the same IP and port user logs in at multiple points
TimeStamp	integer	body	true	Alarm time UTC time, the number of seconds from 0:00 on January 1, 1970
Seq	integer	body	true	Alarm serial number
SrcID	integer	body	true	Alarm source ID
SrcName	string	body	false	Alarm source name, length [1,63]
DeviceID	string	body	false	Alarm device ID Fill in the GB registration code when the GB protocol is accessed, length [1,32]
RelatedID	string	body	false	The associated ID of an alarm event and alarm data is globally unique in a camera Length: 15 characters This field is required when the alarm has associated data
NotificationType	integer	body	true	Alarm type
StructureInfo	object	body	true	Structured Information
+ObjInfo	object	body	true	Target Information list
++FaceNum	integer	body	true	Number of faces
++FaceInfoList	object[]	body	false	List of faces, optional if FaceNum is 0
+++FaceID	integer	body	true	Face ID, starting at 1
+++FaceDoforPersonID	integer	body	true	The ID of the person to whom the face belongs
+++Position	string	body	true	The position of the face target in the large image The coordinates of the picture are normalized, and the ratio of 10,000 to 10,000 is used Only the top left and bottom right points of the rectangle are needed
+++SmallPicAttachIndex	integer	body	false	Map index

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Parameter names	Parameter type	Parameter location	Required	Description
				Index of the small image corresponding to a face in the image list, starting from 1, 0 is an invalid value, optional when you do not upload the small image
+++LargePicAttachIndex	integer	body	false	Large picture index Index of the large image corresponding to a face in the image list, starting from 1, 0 is an invalid value, optional when you do not upload a large image
+++FeaturVersion	string	body	false	Semi-structured feature version Information
+++Feature	string	body	false	Semi-structured feature Information
+++AttributeInfo	object	body	false	Face attribute Information, optional if no attribute is detected
++++Gender	integer	body	false	Gender, optional when untested 0: unknown 1: Male 2: Female
++++AgeRange	integer	body	false	Age, optional when undetected. 0: unknown 1: Child 2: teenager 3: Youth 4: Middle age 5: elderly
++++GlassFlag	integer	body	false	Whether to wear glasses sign, optional when not detected 0: unknown 1: Not wearing 2: Wear
++++GlassesStyle	integer	body	false	Glasses type mark, optional if not detected 0: unknown 1: Normal glasses 2: Sunglasses 99: Other
++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not tested 0: unknown 1: not with 2: With
++++Temperature	float	body	false	Body temperature, optional if not detected Unit: degrees Celsius Accuracy: 2 decimal places
++PersonNum	integer	body	true	Human body count
++PersonInfoList	object[]	body	false	Body info List
+++PersonID	integer	body	true	Person ID, starting at 1
+++PersonDoforFaceID	string	body	false	Person face ID
+++Position	string	body	false	Person location Information, screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684 ", "and";" Both are English half corners. Range: [0, 32]
+++SmallPicAttachIndex	integer	body	false	Small graph index

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Parameter names	Parameter type	Parameter location	Required	Description
+++LargePicAttachIndex	integer	body	false	Large picture index
+++FeaturVersion	string	body	false	Semi-structured feature vendor class
+++Feature	string	body	false	Semi-structured feature Information
+++RuleInfo	object	body	false	Perimeter rule Information
++++RuleType	integer	body	false	Rule type 0: Zone intrusion 1: Out-of-bounds detection 2: Leaving zone 3: Entering zone 4: Entering ladder detection 5: Smart Motion detection 8: traffic monitoring
++++TrigerType	integer	body	false	Rule trigger type 0: No trigger type 1: two-way trigger 2: Warning line: clockwise 3: Caution line: counterclockwise 4: Zone: Enter 5: Zone: Leave
++++PointNum	integer	body	false	Number of regular coordinate points
++++PointList	object[]	body	false	Coordinate point Information
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++AttributeInfo	object	body	false	Human attributes, use this structure when the target type is human
++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++AgeRange	integer	body	false	Age, optional if not detected 0: Children 1: juvenile 2: Youth 3: Middle-aged 4: Old age 98: Unknown
++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not detected 1: Not wearing a mask 2: Wearing a mask 255: Unknown

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Parameter names	Parameter type	Parameter location	Required	Description
++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
++++CoatColor	integer	body	false	Top color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++CoatTexture	integer	body	false	Coat texture, optional if not detected 1: No pattern 2: patterned 255: unknown
++++TrousersLength	integer	body	false	Undergarment length style, optional if not detected 0: unknown 1: Shorts 2: Long pants
++++TrousersColor	integer	body	false	Undercoat color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++TrousersColorAided	integer	body	false	Undercoat color Auxiliary color, optional if not detected. See 7.1.1 General Color Table for details Some devices are not supported
++++TrousersColorMinor	integer	body	false	Undercoat color Secondary color, optional if not detected. See 7.1.1 General Color Table for details Some devices are not supported
++++BodyToward	integer	body	false	Body grip facing, optional if not detected 0: Uncertain/unknown 1: Positive 2: Side 3: Back
++++ShoesTubeLength	integer	body	false	Shoe short and long styles, optional when undetected Not supported by some devices 0: unknown 1: Thigh-high boots 2: Knee-high boots
++++HairLength	integer	body	false	Hair length, optional when undetected 0: Unknown/uncertain 1: Long hair 2: Short hair
++++BagFlag	integer	body	false	Bag flag, optional if not detected 0: No bag 1: Carrying bag 2: Backpack 98: Unknown
++++UmbrellaFlag	integer	body	false	Whether to bring an umbrella, optional if not detected Not supported by some devices 0: unknown 1: No umbrella 2: With an umbrella
++++UmbrellaColor	integer	body	false	Umbrella body color, optional if not detected. See 7.1.1 General Color Table for details

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Parameter names	Parameter type	Parameter location	Required	Description
				Some devices are not supported
++++MovingSpeed	integer	body	false	Person motion speed, optional if not detected Unit km/h Not supported by some devices
++++MovingDirection	integer	body	false	Person movement direction, optional if not detected 1: Stationary 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Bottom left 8: Top right 9: Bottom right 255: Unknown
++NonMotorVehicleNum	integer	body	false	Number of non-motor vehicles
++NonMotorVehicleInfoList	object[]	body	false	Non-motor vehicle Information list
+++ID	integer	body	false	Non-motor vehicle ID, starting at 1
+++Position	string	body	false	Non-motor vehicle coordinate Information screen coordinates normalized, expressed by ten thousandths ratio. Only the top left and bottom right points of the rectangle are required: "138,315; 282,684 "","" and ";" Both are English half corners. String length range: [0, 32]
+++SmallPicAttachIndex	integer	body	false	Small map index, the index of the non-motor vehicle corresponding small map in the image list, starting from 1, 0 is an invalid value, optional when the small map is not uploaded
+++LargePicAttachIndex	integer	body	false	Large picture index Index of the corresponding large image in the image list, starting from 1, 0 is an invalid value, optional when the large image is not uploaded
+++PlatePicAttachIndex	integer	body	false	License plate picture Index Index of the non-motorized license plate picture in the image list, starting from 1, 0 is invalid value, optional when the license plate picture is not uploaded
+++FeaturVersion	string	body	false	Semi-structured feature vendor class
+++Feature	string	body	false	Semi-structured feature Information
+++RuleInfo	object	body	false	Perimeter rule Information
++++RuleType	integer	body	false	Rule type 0: Zone intrusion 1: out-of-bounds detection 2: Leave the area 3: Enter the area 4: Enter the ladder detection 5:Smart Motion detection 8: Road monitoring

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Parameter names	Parameter type	Parameter location	Required	Description
++++TrigerType	integer	body	false	Rule trigger type 0: No trigger type 1: two-way trigger 2: Trigger clockwise 3: Counterclockwise trigger 4: Enter trigger 5: Leave the trigger
++++PointNum	integer	body	false	Number of regular coordinate points
++++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When the number of vertices is 0, this node can be none
+++++X	integer	body	true	X-axis coordinates, range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates, range: [0, 10000]
+++PlateAttributeInfo	object	body	false	License Plate Attribute Information
++++PlateNo	string	body	false	License plate number
++++Position	string	body	false	License plate position Information, screen coordinates normalized, using ten thousand to ten thousand ratio. Just rectangular top left and bottom right points, e.g. "138,315; 282,684 ". ", "and";" Both are English half corners Not supported on some devices
++++Color	integer	body	false	License plate colors See 7.1.1 General Color Table
++++Type	string	body	false	See 7.1.2 Type of number Plate for details
++++AttributeInfo	object	body	false	Non-motor vehicle property Information
+++++SpeedType	integer	body	false	Motion speed 0: unknown 1: stationary 2: slow 3: Medium 4: fast
+++++ImageDirection	integer	body	false	Movement direction of non-motor vehicle relative to the picture in the structured scene, optional if not detected 0: unknown 1: stationary 2: up 3: down 4: left 5: right 6: upper left 7: lower left 8: upper right 9: lower right
+++++NonVehicleType	integer	body	false	Non-motor vehicle type, optional when undetected 0: unknown 1: manpower bicycle 2: tricycle 3: motorcycle 4: electric bicycle 5: two-wheeler (motorcycle/manpower bicycle/electric bicycle)
+++PersonOnNoVehicleNum	integer	body	false	Number of drivers and passengers
+++PersonOnNoVehicleInfoList	object[]	body	false	Person Information
++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++AgeRange	integer	body	false	Age, optional when undetected

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Children 1: juvenile 2: Youth 3: Middle-aged 4: Old age 98: Unknown
++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
++++CoatColor	integer	body	false	Top color Main color, optional if not detected. See 7.1.1 General Color Table for details
++++BodyToward	integer	body	false	Body grip facing, optional if not detected 0: Uncertain/unknown 1: Positive 2: Side 3: Back
++++MovingDirection	integer	body	false	Person movement direction, optional if not detected 1: Stationary 2: Up 3: Down 4: Left 5: To the right 6: Top left 7: Bottom left 8: Top right 9: Bottom right 255: Unknown
++VehicleNum	integer	body	false	Number of motor vehicles
++VehicleInfoList	object[]	body	false	Motor vehicle Information List
+++ID	integer	body	true	Vehicle ID Motor vehicle ID, starting with 1 Part of the device field is named VehicleID
+++Position	string	body	true	Vehicle position Information screen coordinates normalization: 0-10000 rectangle top left and bottom right points: "138,315; 282,684 "," and ";" Both are English half corners. Range: [0, 32], Point: "138,315; 282,684 "," and ";" Both are English half corners
+++SmallPicAttachIndex	integer	body	false	Index of the small map corresponding to the vehicle in the image list, starting from 1, 0 is an invalid value, optional if the small map is not uploaded
+++LargePicAttachIndex	integer	body	false	Index of the large image corresponding to the vehicle in the image list, starting from 1, 0 is an invalid value, optional if the large image is not uploaded
+++PlatePicAttachindex	integer	body	true	Index of the small map corresponding to the license plate in the image list, starting from 1, 0 is an invalid value, optional if you do not upload the small map of the license plate

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Parameter names	Parameter type	Parameter location	Required	Description
+++FeatureVersion	string	body	false	Semi-structured features Vendor type version number. Range: [0, 32]
+++Feature	string	body	false	Use base64 encoding. Based on the feature Information extracted from the motor vehicle, the maximum length before encoding is 4096 bytes
+++PlateAttributeInfo	object	body	false	License Plate Attribute Information
++++PlateNo	string	body	false	License plate number
++++Position	string	body	false	License plate position Information, screen coordinates normalized, using ten thousand to ten thousand ratio. Just rectangular top left and bottom right points, e.g. "138,315; 282,684 ". ", "and";" Both are English half corners Not supported on some devices
++++Color	integer	body	false	License plate colors See 7.1.1 General Color Table
++++Type	string	body	false	See 7.1.2 Type of number Plate for details
+++VehicleAttributeInfo	object	body	false	Vehicle properties
++++Type	integer	body	false	Vehicle type See 7.1.9 Vehicle Type for details
++++Color	integer	body	false	Body color Main color, optional if not detected. See 7.1.1 General Color table for details
++++SpeedType	integer	body	false	Motor vehicle vehicle speed type in structured scene, optional if not detected 0: unknown 1: Still 2: Slow 3: Medium speed 4: Fast
++++VehicleBrand	string	body	false	Vehicle brand code, optional if not detected. See 7.1.4 Vehicle Type Table for details
++++AimStatus	integer	body	false	Annual check mark status, optional if not detected 0: Not pasted 1: Pasted 2: Unknown String length range: [0, 2]
++++DriverSunVisorStatus	integer	body	false	Driving visor status, optional if not detected 0: Not enabled 1: On 2: Unknown
++++CodriverSunVisorStatus	integer	body	false	Passenger visor status, optional when not detected 0: Not enabled 1: On 2: Unknown
++++DriverSeatBeltStatus	integer	body	false	Driving seat belt status, optional if not tested 0: Not fastened 1: Tied

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Unknown
++++CodriverSeatBeltStatus	integer	body	false	Passenger seat belt status, optional when undetected 0: Not fastened 1: Tied 2: Unknown
++++DriverMobileStatus	integer	body	false	Driving phone status, optional if not detected 0: No call is made 1: Call 2: Unknown
++++PendantStatus	integer	body	false	Pendant status, optional when undetected 0: No pendant 1: No pendant 2: Unknown
++++ImageDirection	integer	body	false	The driving direction of the motor vehicle in the frame coordinate system in the structured scene is optional if not detected, see 7.1.13 Driving direction for details
+ImageNum	integer	body	true	Number of pictures
+ImageInfoList	object[]	body	true	Picture info List
++Index	integer	body	true	Image index Starting from 0, when structured data is reported, it is associated with the large and small indexes of each target Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++ChannelID	integer	body	false	Channel ID This parameter is mandatory when the channel for capturing the image is different from the channel for reporting the event Some devices do not support this parameter
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models

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Parameter names	Parameter type	Parameter location	Required	Description
++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL
++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type to be reported is cloud storage

6.3.13.4 Example for Requesting Parameters


```
{
    "Reference": "192.168.0.13:80/Subscription/Subscribers/1",
    "TimeStamp": 1489040894,
    "Seq": 327,
    "SrcID": 860,
    "SrcName": "\"206.9.252.7_V_6\"",
    "DeviceID": "string",
    "RelatedID": "\"5ED9FE4C0000001\"",
    "NotificationType": 0,
    "StructureInfo": {
        "ObjInfo": {
            "FaceNum": 0,
            "FaceInfoList": [
                {
                    "FaceID": 0,
                    "FaceDoforPersonID": 0,
                    "Position": "138,315; 282684 ",
                    "SmallPicAttachIndex": 0,
                    "LargePicAttachIndex": 0,
                    "FeaturVersion": "string",
                    "Feature": "string",
                    "AttributeInfo": {
                        "Gender": 0,
                        "AgeRange": 0,
                        "GlassFlag": 0,
                        "GlassesStyle": 0,
                        "MaskFlag": 0,
                        "Temperature": 0
                    }
                }
            ],
            "PersonNum": 0,
            "PersonInfoList": [
                {
                    "PersonID": 0,
                    "PersonDoforFaceID": "string",
                    "Position": "string",
                    "SmallPicAttachIndex": 0,
                    "LargePicAttachIndex": 0,
```


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```
        "FeaturVersion": "string",
        "Feature": "string",
        "RuleInfo": {
          "RuleType": 0,
          "TrigerType": 0,
          "PointNum": 0,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        },
        "AttributeInfo": {
          "Gender": 0,
          "AgeRange": 3,
          "MaskFlag": 1,
          "SleevesLength": 0,
          "CoatColor": 0,
          "CoatTexture": 1,
          "TrousersLength": 0,
          "TrousersColor": 0,
          "TrousersColorAided": 0,
          "TrousersColorMinor": 0,
          "BodyToward": 0,
          "ShoesTubeLength": 0,
          "HairLength": 0,
          "BagFlag": 0,
          "UmbrellaFlag": 0,
          "UmbrellaColor": 0,
          "MovingSpeed": 0,
          "MovingDirection": 0
        }
      }
    ],
    "NonMotorVehicleNum": 0,
    "NonMotorVehicleInfoList": [
      {
        "ID": 0,
         "Position": "138,315; 282684 ",
        "SmallPicAttachIndex": 0,
        "LargePicAttachIndex": 0,
        "PlatePicAttachIndex": 0,
        "FeaturVersion": "string",
        "Feature": "string",
        "RuleInfo": {
          "RuleType": 0,
          "TrigerType": 0,
          "PointNum": 6,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        },
        "PlateAttributeInfo": {
          "PlateNo": "Zhe A00000",
          "Position": "138,315; 282684 ",
          "Color": 0,
          "Type": "string",
          "AttributeInfo": {
            "SpeedType": 0,
```

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```
                "ImageDirection": 0,
                "NonVehicleType": 0
            }
        },
        "PersonOnNoVehicleNum": 0,
        "PersonOnNoVehicleInfoList": [
            {
                "Gender": 0,
                "AgeRange": 3,
                "SleevesLength": 0,
                "CoatColor": 0,
                "BodyToward": 0,
                "MovingDirection": 0
            }
        ]
    }
],
"VehicleNum": 0,
" VehicleInfoList ": [
    {
        "ID": 0,
         "Position": "138,315; 282684 ",
        "SmallPicAttachIndex": 0,
        "LargePicAttachIndex": 0,
        "PlatePicAttachindex": 0,
        "FeatureVersion": "string",
        "Feature": "string",
        "PlateAttributeInfo": {
            "PlateNo": "Zhe A00000",
            "Position": "138,315; 282684 ",
            "Color": 0,
            "Type": "string",
        },
        "VehicleAttributeInfo": {
            "Type": 0,
            "Color": 0,
            "SpeedType": 0,
            "VehicleBrand": "string",
            "AimStatus": 0,
            "DriverSunVisorStatus": 0,
            "CodriverSunVisorStatus": 0,
            "DriverSeatBeltStatus": 0,
            "CodriverSeatBeltStatus": 0,
            "DriverMobileStatus": 0,
            "PendantStatus": 0,
            "ImageDirection": 0
        }
    }
]
},
"ImageNum": 0,
"ImageInfoList": [
    {
        "Index": 0,
        "Type": 1,
        "ChannelID": 1,
        "Format": 0,
        "Width": 1920,
        "Height": 1080,
        "CaptureTime": 0,
        "Size": 128000,
        "URL", "\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
        "UploadID": "A5936C0J8914AN001024",
```

```
            "UploadStatus": 1
        }
    ]
  }
}
```

6.3.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	false	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	NULL

6.3.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/Structure",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.3.14 Push Face Detection Event

6.3.14.1 Overview

Names	Description
Interface description	When the subscription type in the subscription message is face recognition, use this interface to push face detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/PersonInfo
Interface request method	POST
How to submit data	application/json

6.3.14.2 URL Description

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None

6.3.14.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	Push URL url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
DeviceID	string	body	false	Device coding Camera code or domain code, the device code issued by the event subscription is returned This parameter is mandatory when the device code is carried in the event subscription interface Some devices do not support this parameter String length range: [0, 32]
PersonEventInfo	object	body	false	Person alarm Information
+ID	integer	body	true	Notification record ID Value range: [1,]
+Timestamp	integer	body	true	Notification escalation time The value is in UTC format, in seconds
+NotificationType	integer	body	true	Type of notification 0: Real-time notification 1: Historical notifications
+FaceInfoNum	integer	body	false	Number of face Information Range: [0, 1] When None face in the collected Information, do not include FaceInfo related fields Default value: 1
+FaceInfoList	object[]	body	false	Face Information list When None face in the collection, do not include the FaceInfo field
++RecordID	integer	body	true	Face access record ID Value range: [1,]
++Type	integer	body	false	Face pass record type 0: Face capture 1: Compares the alarm successfully 2: Compare the failed alarm
++RelatedID	string	body	false	Association ID of the alarm event and the alarm data. The globally unique length of a camera is 15 characters. This field is required when the alarm has associated data Some devices do not support this parameter
++PassingTime	integer	body	true	Passing time UTC format, in seconds
++ChannelName	string	body	true	Capture channel name, range: [1, 63]
++ChannelID	integer	body	true	Channel ID

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [1,]
++CompareInfo	object	body	true	Face comparison Information
+++Similarity	integer	body	false	Similarity Match alarms with this field This parameter is mandatory when the face traffic record type is Succeeded in comparison or failed in comparison
+++PersonInfo	object	body	false	Information about the person in the event
++++PersonID	integer	body	true	Person ID, starting from 1, timing optional
++++LibID	integer	body	true	Face library ID Partial device support
++++LibName	string	body	true	Face library name Partial device support
++++LastChange	integer	body	true	People info last modified (Unix timestamp) Partial device support
++++PersonName	string	body	true	Matching person name Partial device support
++++Gender	integer	body	false	Match person gender 1: male 2: female Partial Device Support
++++Birthday	string	body	false	Match the person's birth date Not supported on some devices
++++Region	object	body	false	Matching person region Information Some devices are not supported
+++++Nation	string	body	true	Nationality String length range: [1, 128]
+++++Province	string	body	true	Provinces String length range: [1, 128]
+++++City	string	body	true	City String length range: [1, 128]
++++IdentificationNum	integer	body	false	Match person ID Information Not supported on some devices
++++IdentificationList	object	body	true	Match the person ID list Not supported on some devices
+++++Type	integer	body	false	Type of credentials 2: Passport 3: Driving license 99: Other
+++++Number	string	body	false	Id number String length range: [1, 39]
++++Position	string	body	true	Person location Information Normalized picture coordinates: 0-10000

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Parameter names	Parameter type	Parameter location	Required	Description
				Rectangle top left and bottom right points: "138,315;282684" "," and ";" Both are English half corners Range: [0, 32] Not supported on some devices
++++AppearTime	string	body	false	Time of occurrence, optional if not detected Format :YYYYMMDDHHMMSSMMM The first group of MM means month, the second group of MM means minute, and the third group of MMM means millisecond Fixed string length: 18 Some devices do not support it String length range: [18, 18]
++++DisAppearTime	string	body	false	Disappear time, optional when undetected Format :YYYYMMDDHHMMSSMMM The first group of MM means month, the second group of MM means minute, and the third group of MMM means millisecond Fixed string length: 18 Not supported on some devices String length range: [18, 18]
++++Confidence	string	body	false	Face detection confidence, optional if not detected Value range: [0, 100] Not supported by some devices
++++SmallPicAttachIndex	integer	body	false	The index of the person corresponding to the small map in the image list, starting from 1, 0 is an invalid value, optional if the small map is not uploaded Some devices do not support it
++++LargePicAttachIndex	integer	body	false	The index of the large image corresponding to the person in the image list, starting from 1, 0 is an invalid value, optional if the large image is not uploaded Some devices do not support it
++++FeaturVersion	string	body	false	Semi-structured features Vendor type version number Range: [0, 32] Not supported on some devices
++++Feature	string	body	false	Use base64 encoding. Based on the feature Information extracted from human body, the maximum length before encoding is 4096 bytes Some devices do not support it
++++AttributeInfo	object	body	false	Human attribute Information, optional if the attribute is not detected Some devices do not support this parameter
+++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
+++++AgeRange	integer	body	false	Age, optional when undetected 0: Children 1: Teenagers 2: Youth

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Parameter names	Parameter type	Parameter location	Required	Description
				3: Middle-aged 4: Old age 98: Unknown
+++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
+++++CoatColor	integer	body	false	Top color, optional when undetected See 7.1.1 General Color Table for details
+++++TrousersLength	integer	body	false	Undergarment length style, optional if not detected 0: unknown 1: Shorts 2: Long pants
+++++TrousersColor	integer	body	false	Undercoat color, optional if undetected See 7.1.1 General Color Table for details
+++++BodyToward	integer	body	false	Body grip facing, optional if not detected 0: Uncertain/unknown 1: Positive 2: Side 3: Back
+++++ShoesTubeLength	integer	body	false	Shoe short and long styles, optional when undetected 0: unknown 1: Thigh-high boots 2: Short boots/regular shoes
+++++HairLength	integer	body	false	Hair length, optional when undetected 0: Unknown/uncertain 1: Long hair 2: Short hair
+++++BagFlag	integer	body	false	Bag flag, optional if not detected 0: No bag 1: Carry the bag 2: Backpack 98: Unknown
++++RuleInfo	object	body	false	Not supported on some devices
+++++RuleType	integer	body	false	Rule type 0: Zone intrusion 1: out-of-bounds detection 2: Out of area 3: Enter the area 4: Enter the ladder detection 5:Smart Motion detection 8: Road monitoring
+++++TrigerType	integer	body	false	Rule trigger type 0: No trigger type 1: two-way trigger 2: Trigger clockwise 3: Counterclockwise trigger 4: Enter trigger 5: Leave the trigger

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Parameter names	Parameter type	Parameter location	Required	Description
+++++PointNum	integer	body	false	Number of regular coordinate points
+++++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When the number of vertices is 0, this node can be none
++++++X	integer	body	true	X-axis coordinates, range: [0, 10000]
++++++Y	integer	body	true	Y-axis coordinates, range: [0, 10000]
+++FaceAttr	object	body	false	Facial features
++++Gender	integer	body	false	Gender, optional when untested 0: unknown 1: Male 2: Women
++++AgeRange	integer	body	false	Age, optional when undetected 0: unknown 1: Child 2: Juvenile 3: Youth 4: Middle-aged 5: Old age
++++GlassFlag	integer	body	false	Whether to wear glasses, optional if not detected 0: unknown 1: Not wearing 2: Wear
++++GlassesStyle	integer	body	false	Glasses style, optional when GlassFlag is 0 0: unknown 1: Normal glasses 2: Sunglasses 99: Other
++++GlassesColor	integer	body	false	Glasses color, optional if GlassFlag is 0 Not supported on some devices
++++HairStyle	integer	body	false	Hairstyle, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++HairColor	integer	body	false	Hair color, optional when undetected See 7.4 Person Information Elements Definition for details Some devices do not support it
++++FaceStyle	integer	body	false	Face shape, optional when undetected See 7.4 Person Information Elements Definition for details Some devices are not supported
++++SkinColor	integer	body	false	Skin color, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++EyebrowStyle	integer	body	false	Eyebrow shape, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++WrinklePouch	integer	body	false	Wrinkled eye band, optional when undetected See 7.4 Person Information Element Definitions for details

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Parameter names	Parameter type	Parameter location	Required	Description
				Some devices are not supported
++++NoseStyle	integer	body	false	Nose type, optional when undetected See 7.4 Definition of Person Information Elements for details Some devices are not supported
++++Beard	integer	body	false	Beard, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++LipStyle	integer	body	false	Lip type, optional when undetected For details, see 7.4 Definition of Person Information Elements Some devices are not supported
++++MustacheStyle	integer	body	false	Hu type, optional when undetected For details, see 7.4 Definition of Person Information Elements Some devices are not supported
++++MaskFlag	integer	body	false	Whether to wear a mask, optional if not detected 0: unknown 1: Not wearing 2: Wear
++++MaskColor	integer	body	true	Mask color, optional if not detected See 7.4 Definitions of Person Information Elements for details Some devices are not supported
++++HatFlag	integer	body	false	Whether to wear a hat, optional if not detected 0: unknown 1: Not wearing 2: Wear
++++HatStyle	integer	body	false	Hat style, optional when undetected See 7.4 Person Information Element Definitions for details
++++HatColor	integer	body	false	Hat color, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++Scarf	integer	body	false	Whether to wear a scarf, optional when undetected Not supported on some devices 0: unknown 1: Not wearing 2: Wear
++++ScarfColor	integer	body	false	Scarf color, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++CoatColor	integer	body	false	Top color, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++AcneStain	integer	body	false	Acne stain, optional when not detected See 7.4 Person Information Element Definitions for details Some devices are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
++++FreckleBirthmark	integer	body	false	Moles birthmarks, optional when undetected For details, see 7.4 Definition of Person Information Elements Some devices are not supported
++++ScarDimple	integer	body	false	Scar dimples, optional when undetected See 7.4 Person Information Element Definitions for details Some devices are not supported
++++FacialFeature	integer	body	false	Facial features, optional if undetected For details, see 7.4 Definition of Person Information Elements Some devices are not supported
++++Temperature	number	body	false	Body temperature, optional if not detected Unit: degrees Celsius Accuracy: 2 decimal places Not supported on some devices
+++PersonAttr	object	body	false	Human features Some devices are not supported
++++Gender	integer	body	false	Gender, optional when untested 0: Female 1: Male 98: Unknown
++++AgeRange	integer	body	false	Age, optional when undetected 0: Children 1: juvenile 2: Youth 3: Middle-aged 4: Old age 98: Unknown
++++SleevesLength	integer	body	false	Top short and short style, optional when undetected 0: Unknown/uncertain 1: Short sleeve 2: Long sleeves
++++CoatColor	integer	body	false	Top color, optional when undetected See 7.1.1 General Color Table for details
++++TrousersLength	integer	body	false	Undergarment length style, optional if not detected 0: unknown 1: Shorts 2: Long pants
++++TrousersColor	integer	body	false	Undercoat color, optional if undetected See 7.1.1 General Color Table for details
++++BodyToward	integer	body	false	Body grip facing, optional if not detected 0: Uncertain/unknown 1: Positive 2: Side 3: Back
++++ShoesTubeLength	integer	body	false	Shoe short and long styles, optional when undetected 0: unknown 1: Thigh-high boots

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Short boots/regular shoes
++++HairLength	integer	body	false	Hair length, optional when undetected 0: Unknown/uncertain 1: Long hair 2: Short hair
++++BagFlag	integer	body	false	Bag flag, optional if not detected 0: No bag 1: Carrying bag 2: Backpack 98: Unknown
+++SnapshotImage	object	body	true	Snap pictures
++++BigImage	object	body	true	Large picture Information, face condition query and capture report do not carry
+++++Name	string	body	false	File name When recording push in real time, use the Name field to push pictures String length range: [1, 256] Without this field, the file is named by default Not supported on some devices
+++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures
+++++URL	string	body	false	Image URL When Query historical records, use the URL field to report image Information Some devices do not support it
++++SmallImage	object	body	true	Small picture Information IPC can be configured not to report small pictures
+++++Name	string	body	false	File name When recording push in real time, use the Name field to push pictures String length range: [1, 256] The file is named by default without this field Not supported on some devices
+++++Size	integer	body	true	File size Units: bytes When recording push in real time, use the Size field to push pictures Value range: [1, 1048576]
+++++Data	string	body	true	File Base64 data When recording push in real time, use the Data field to push pictures

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Parameter names	Parameter type	Parameter location	Required	Description
+++++URL	string	body	false	Image URL When Query historical records, use the URL field to report image Information Some devices do not support it
++++Area	object	body	true	Coordinate Information The area coordinates of the smaller map within the larger map
+++++left	integer	body	true	Left coordinates
+++++top	integer	body	true	Upper coordinates
+++++right	integer	body	true	Right coordinates
+++++bottom	integer	body	true	Lower coordinates
+++FeatureNum	integer	body	false	Number of semi-structured features If None semi-structured feature, no related fields are included Not supported by some devices
+++FeatureList	object[]	body	false	Semi-structured feature list If there are no semi-structured features, do not include related fields Not supported by some devices
++++FeatureVersion	string	body	false	Face semi-structured feature extraction algorithm version number, such as "ISFRFR259.2.0" Range: [0, 20]
++++Feature	string	body	false	Use base64 encoding Based on the feature Information extracted from the face, it is used to assist the back-end server for face comparison and so on Currently 512 Bytes before encryption
++++FeatureManufacturer	string	body	false	Face semi-structured feature algorithm vendor name, range: [0, 20]
+++CapSrc	integer	body	false	Gathering data sources 1: Face recognition terminal collection of face Information 2: access card Information collected by the card reader 3: ID card Information collected by card reader 4: Gate Information collected by the gate machine FaceInfo select 1 Not supported on some devices

6.3.14.4 Example for Request Parameters

```
{
    "Reference": "192.168.0.30:80/Subscription/Subscribers/1",
    "DeviceID": "34020000001320000001",
    "PersonEventInfo": {
        "ID": 1,
        "Timestamp": 1652486759,
        "NotificationType": 0,
        "FaceInfoNum": 1,
```

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```
"FaceInfoList": [
  {
    "RecordID": 1,
    "Type": 1,
    "RelatedID": "string",
    "PassingTime": 1520412142,
    "ChannelName": "XX channel ",
    "ChannelID": 1,
    "CompareInfo": {
      "Similarity": 0,
      "PersonInfo": {
        "PersonID": 0,
        "LibID": 0,
        "LibName": "string",
        "LastChange": 0,
        "PersonName": "string",
        "Gender": 0,
        "Birthday": "string",
        "Region": {
          "Nation": "China ",
          "Province": "Zhejiang ",
          "City": "Hangzhou"
        },
        "IdentificationNum": 0,
        "IdentificationList": {
          "Type": 0,
          "Number": "\"33022319890520222X\""
        },
        "Position": "\"138,315; 282684 \ "",
        "AppearTime": "\"20190422083030789\"",
        "DisAppearTime": "\"20190422083030789\"",
        "Confidence": "70",
        "SmallPicAttachIndex": 0,
        "LargePicAttachIndex": 0,
        "FeaturVersion": "\" ISFRFR259.2.0 \ "",
        "Feature": "string",
        "AttributeInfo": {
          "Gender": 0,
          "AgeRange": 0,
          "SleevesLength": 0,
          "CoatColor": 0,
          "TrousersLength": 0,
          "TrousersColor": 0,
          "BodyToward": 0,
          "ShoesTubeLength": 0,
          "HairLength": 0,
          "BagFlag": 0
        },
        "RuleInfo": {
          "RuleType": 0,
          "TrigerType": 0,
          "PointNum": 6,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      },
      "FaceAttr": {
        "Gender": 0,
        "AgeRange": 0,
```

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```
        "GlassFlag": 0,
        "GlassesStyle": 0,
        "GlassesColor": 0,
        "HairStyle": 0,
        "HairColor": 0,
        "FaceStyle": 0,
        "SkinColor": 0,
        "EyebrowStyle": 0,
        "WrinklePouch": 0,
        "NoseStyle": 0,
        "Beard": 0,
        "LipStyle": 0,
        "MustacheStyle": 0,
        "MaskFlag": 0,
        "MaskColor": 0,
        "HatFlag": 0,
        "HatStyle": 0,
        "HatColor": 0,
        "Scarf": 0,
        "ScarfColor": 0,
        "CoatColor": 0,
        "AcneStain": 0,
        "FreckleBirthmark": 0,
        "ScarDimple": 0,
        "FacialFeature": 0,
        "Temperature": 0
    },
    "PersonAttr": {
        "Gender": 0,
        "AgeRange": 0,
        "SleevesLength": 0,
        "CoatColor": 0,
        "TrousersLength": 0,
        "TrousersColor": 0,
        "BodyToward": 0,
        "ShoesTubeLength": 0,
        "HairLength": 0,
        "BagFlag": 0
    },
    "SnapshotImage": {
        "BigImage": {
            "Name": "string",
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/20190719181741268 _2_56_0_0_ did not recognize. JPG"
        },
        "SmallImage": {
            "Name": "string",
            "Size": 1,
            "Data": "string",
            "URL": "photo/20190729/1114/20190719181741268 _2_56_0_0_ did not recognize. JPG"
        },
        "Area": {
            "left": 0,
            "top": 0,
            "right": 0,
            "bottom": 0
        }
    },
    "FeatureNum": 0,
    "FeatureList": [
        {
            "FeatureVersion": "string",
```

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```
                "Feature": "string",
                "FeatureManufacturer": "string"
            }
        ],
        "CapSrc": 0
    }
  }
 ]
}
}
```

6.3.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.14.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/PersonInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.15 Falling Objects Detection Event

6.3.15.1 Overview

Names	Description
Interface description	Push falling objects detection events
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/FallingObjectsDetection
Interface request method	POST

Names	Description
How to submit data	application/json

6.3.15.2 URL Description

None

6.3.15.3 Request Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: FallingObjectsDetectionAlarm FallingObjectsDetectionAlarm: high altitude parabolic
TimeStamp	integer	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG

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Parameter names	Parameter type	Parameter position	Required	Description
				3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models

6.3.15.4 Examples Of Request Parameters


```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "FallingObjectsDetectionAlarm",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000
         }
      ]
   }
}
```


6.3.15.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.15.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/FallingObjectsDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.16 Human Shape Detection Event

6.3.16.1 Overview

Names	Description
Interface description	Push a human shape detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/HumanShapeDetection
Interface request method	POST
How to submit data	application/json

6.3.16.2 URL Description

None

6.3.16.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details Default value: HumanShapeDetected HumanShapeDetected: Human detection

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Parameter names	Parameter type	Parameter location	Required	Description
TimeStamp	integer<uint32>	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
AlarmPicture	object	body	true	Picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte. The maximum value is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models
++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL

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Parameter names	Parameter type	Parameter location	Required	Description
++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type to be reported is cloud storage

6.3.16.4 Example for Requesting Parameters

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```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "HumanShapeDetected",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "URL", "\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
            "UploadID": "A5936C0J8914AN001024",
            "UploadStatus": 1
         }
      ]
   }
}
```


6.3.16.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.16.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/HumanShapeDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.17 Crowd Density Events

6.3.17.1 Overview

Names	Description
Interface description	Push crowd density detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/CrowdDensityDetection
Interface request method	POST
How to submit data	application/json

6.3.17.2 URL Description

None

6.3.17.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	url used by the client to confirm the push alarm event message <SubscribersID>: helps to distinguish different subscribing clients when a user with the same IP address and port logs in at multiple points
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details CrowdDensityMinorAlarm: Low staffing density CrowdDensityMajorAlarm: Moderate staffing density CrowdDensityCriticalAlarm: severe person density

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Parameter names	Parameter type	Parameter location	Required	Description
TimeStamp	integer<uint32>	body	true	Report data generation time UTC, the number of seconds since 0:00 on January 1, 1970
Seq	integer	body	false	Alarm serial number
SourceID	integer	body	false	Alarm source ID
SourceName	string	body	false	Alarm source name String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the national standard registration code when accessing the national standard agreement, length [1,32]
RelatedID	string	body	false	Alarm event ID associated with the alarm data, globally unique within the same camera The value is 15 characters in length This field is required when the alarm has data associated with it
TargetType	string	body	false	Default: 3 1: Motor vehicle (reserved) 2: Non-motor vehicle (reserved) 3: Pedestrian (default) 4: Mouse
AlarmPicture	object	body	true	Picture Information
+ImageNum	integer	body	true	Number of pictures
+ImageList	object[]	body	false	Picture data list Must be carried when the number of images ImageNum is not 0
++Index	integer	body	true	Image index From 0, when reporting structured data, associate with the large and small indexes of each object Information in the ObjectInfo
++Type	integer	body	true	Image type See 7.1.14 Image Types for details
++Format	integer	body	true	Image Format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++Width	integer	body	true	Width of the image
++Height	integer	body	true	Height of the image
++CaptureTime	integer	body	true	Picture capture moment UTC, the number of seconds from 0:00 on January 1, 1970
++Size	integer	body	false	The length of the image after base64 encoding The unit is Byte and the maximum is 3M This parameter is mandatory when the reported data type is Base64 encoded data This parameter is not supported by some device models

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Parameter names	Parameter type	Parameter location	Required	Description
++URL	string	body	false	Image URL, which you can use to get the image directly. Length range: [0, 256], This parameter is mandatory when the data to be reported is an image URL
++UploadID	string	body	false	Object upload ID The value is a string length of [1,32], This parameter is mandatory when the data type to be reported is image upload on cloud storage
++UploadStatus	integer	body	false	Upload status 0: The upload is successful 1: Upload failed 2: Upload is successful This parameter is mandatory when the data type is Cloud storage Image Upload
++ErrorCode	integer	body	false	Reasons for upload failure Carry when upload status is 1 1: Internal error 2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network error Not supported on some device models
++TransferTime	integer	body	false	The transfer time of the image from the start of upload to the end of upload In milliseconds (ms) Not supported on some device models

6.3.17.4 Example for Request Parameters


```
{
   "Reference", "\" 192.168.0.13:80/Subscription/Subscribers/1 \ "",
   "AlarmType": "CrowdDensityMinorAlarm",
   "TimeStamp": 1489040894,
   "Seq": 327,
   "SourceID": 860,
   "SourceName": "\"206.9.252.7_V_6\"",
   "DeviceID": "28000190234212343478",
   "RelatedID": "\"5ED9FE4C0000001\"",
   "TargetType": "4",
   "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
         {
            "Index": 0,
            "Type": 1,
            "Format": 0,
            "Width": 1920,
            "Height": 1080,
            "CaptureTime": 0,
            "Size": 128000,
            "URL", "\"/LAPI/V1.0/System/Picture?Type=1&Index=ubs_5_0_0_0_0_0_5278_41_8719_1545200097&Size=80564\"",
            "UploadID": "A5936C0J8914AN001024",
            "UploadStatus": 1,
            "ErrorCode": 1,
            "TransferTime": 300
```


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```
        }
      ]
    }
  }
```

6.3.17.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.3.17.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/System/Event/Notification/CrowdDensityDetection",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.3.18 Smoking Detection Event

6.3.18.1 Overview

Names	Description
Interface description	Push smoking detection event
Interface version	V1.0
Interface address	/LAPI/V1.0/System/Event/Notification/SmokingDetection
Interface request method	POST
How to submit data	application/json

6.3.18.2 URL Description

None

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6.3.18.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Reference	string	body	true	The url used by the client to acknowledge the push alert event message <SubscribersID>: to distinguish between different subscription clients when users of the same IP and port log in at multiple points.
AlarmType	string	body	true	Alarm type See 7.3 Alarm Types for details
TimeStamp	integer	body	true	Time of generation of reported data UTC time, seconds from 0:00 on January 1, 1970
Seq	integer	body	false	Message number
SourceID	integer	body	false	Alarm Source ID
SourceName	string	body	false	Alarm source name, length[1,63] String length range: [1, 63]
DeviceID	string	body	false	Device ID Fill in the GB registration code for GB protocol access, length [1,32] String length range: [1, 32]
RelatedID	string	body	true	Associated IDs of event data and alarm events Globally unique within the same camera, 15 characters in length
Smoking Detection	object	body	true	Smoking Detection Data
+ChannelNum	integer	body	true	Number of channels
+SmokingDetectionChannelInfoList	object	body	false	List of Smoking Test Data
++ChannelID	integer	body	true	Channel ID
++Num	integer	body	true	Number of fires
++FirePointsInfoList	object	body	false	List of location information for different fires
+++ID	integer	body	true	Firepoint ID
+++Num	integer	body	true	Number of fire point coordinates
+++PointList	object	body	false	Coordinates of the center point of the fire The coordinate origin is in the upper-left corner, value range: [0, 9999]. Required when Num is non-zero
++++X	integer	body	true	X-axis coordinates, expressed in millionths ratio. Range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates, expressed in parts per million, range: [0, 9999]
++AlarmPicture	object	body	true	Picture data carried by the alarm
+++ImageNum	integer	body	true	Number of pictures

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Parameter names	Parameter type	Parameter location	Required	Description
+++ImageList	object[]	body	false	Image Data List Must be carried when ImageNum is not 0.
++++Index	integer	body	true	image indexing Starting from 0, it is associated with the index of the big picture and small picture of each target information in ObjectInfo when the structured data is reported.
++++Type	integer	body	true	Image Type See7.1.14 Image Types for details
++++Format	integer	body	true	image format 0: JPEG 1: BMP 2: PNG 3: GIF 4: TIFF
++++Width	integer	body	true	Width of the image
++++Height	integer	body	true	Height of the image
++++CaptureTime	integer	body	true	Image Capture Moments UTC time, seconds from 0:00 on January 1, 1970
++++DataType	integer	body	true	Report image data type 0: base64 encoded image data 1: Image URL 2: Cloud storage of pictures Not supported by some devices
++++Size	integer	body	false	Length of the image after base64 encoding Unit Byte, Maximum 3M Required when the reported data type is Base64 encoded data Not supported by some device models
++++Data	string	body	false	Base64 encoded data for images Required when the reported data type is Base64 encoded data Not supported by some device models
++++URL	string	body	false	Image URL, use this URL to get the image directly. Length range: [0, 256]. Required if the reported data is an image URL. Not supported by some device models
++++UploadID	string	body	false	Object Upload ID String length [1,32], mandatory when the reported data type is cloud storage uploaded images Not supported by some device models
++++UploadStatus	integer	body	false	Upload Status 0: Successful upload 1: Upload Failure 2: Uploading Mandatory when the reported data type is cloud storage uploaded images Not supported by some device models
++++ErrorCode	integer	body	false	Reason for upload failure Carry when upload status is 1 1: Internal error

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Parameter names	Parameter type	Parameter location	Required	Description
				2: The camera does not support this feature 3: The device does not support this feature 4: The upload URL is invalid or has expired 5: Network Errors Not supported by some device models
++++TransferTime	integer	body	false	Image transfer time from start of upload to end of upload Unit milliseconds (ms) Not supported by some device models

6.3.18.4 Examples of Request Parameters


```
{
  "Reference": "192.168.200.145:80/Subscription/Subscribers/32706",
  "AlarmType": "SmokingAlarm".
  "TimeStamp": 1322672092.
  "Seq": 3.
  "SourceID": 2,
  "SourceName": "Channel2",
  "DeviceID": "",
  "RelatedID": "132267209200003".
  "SmokingDetection": {
    "ChannelNum": 2,
    "SmokingDetectionChannelInfoList": [
      {
        "ChannelID": 2,
        "Num": 1,
        "FirePointsInfoList": [
          {
            "ID": 1,
            "Num": 4.
            "PointList": [
              {
                "X": 4220.
                "Y": 5261
              }, }
              {
                "X": 4805.
                "Y": 5261
              }, }
              {
                "X": 4805.
                "Y": 5990
              }, }
              {
                "X": 4220.
                "Y": 5990
              }
            ]
          }
        ],
        "AlarmPicture": {
          "ImageNum": 1,
          "ImageList": [
            {
              "Index": 0,
              "Type": 1,
              "Format": 0,
```


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```
                "Width": 320,
                "Height": 240,
                "CaptureTime": 1322672092.
                "DataType": 0,
                "Size": 14472.
                "Data": "Base64 encoded data of the image"
            }
        ]
    }
  }, }
  {
    "ChannelID": 1,
    "Num": 1,
    "FirePointsInfoList": [
      {
        "ID": 1,
        "Num": 4.
        "PointList": [
          {
            "X": 4734.
            "Y": 5083
          }, }
          {
            "X": 4992.
            "Y": 5083
          }, }
          {
            "X": 4992.
            "Y": 5506
          }, }
          {
            "X": 4734.
            "Y": 5506
          }
        ]
      }
    ],
    "AlarmPicture": {
      "ImageNum": 1,
      "ImageList": [
        {
          "Index": 1,
          "Type": 1,
          "Format": 0,
          "Width": 2560,
          "Height": 1440,
          "CaptureTime": 1322672092.
          "DataType": 0,
          "Size": 647804,
          "Data": "Base64 encoded data of the image"
        }
      ]
    }
  }
 ]
}
}
```


6.3.18.5 Return Parameters

Parameter name	Parameter type	parameter position	Required or not	descriptive
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing
+StatusCode	integer	body	true	status code
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results

6.3.18.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL":"/LAPI/V1.0/System/Event/Notification/SmokingDetection",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed".
    "Data": {}
  }
}
```

6.4 Person Libraries

6.4.1 Person Library

6.4.1.1 Query Person Library Information

6.4.1.1.1 Overview

Names	Description
Interface description	This interface is used to query Information about all created staff libraries on the device
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	GET
How to submit data	application/json

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6.4.1.1.2 URL Description

None

6.4.1.1.3 Request Parameters

None

6.4.1.1.4 Example for Request Parameters

None

6.4.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	The number of libraries that have been created in the device Range: [0, 15]
++LibList	object[]	body	true	Library list Information If Num is 0, details of the staff library for that field are not returned
+++ID	integer	body	false	Library ID
+++Type	integer	body	false	Face library types 0: Invalid library 1: Blacklist library 2: Grey List library 3: Employee library 4: Visitor library 5: Other libraries
+++Name	string	body	true	Library name Range: [1, 63]
+++PersonNum	integer	body	false	The total number of people's Information in the library, i.e. how many different Personids there are
+++FaceNum	integer	body	false	Total number of face photos in the library, i.e. how many face photos/features there are
+++MemberNum	integer	body	false	The total number of people members in the library, i.e. how many different Faceids there are

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Parameter names	Parameter type	Parameter location	Required	Description
				Note: If a person has more than one FaceID, here is the sum of the number of Faceids. A person without a base map takes up one member slot
+++LastChange	integer	body	true	The last time the library information was modified
+++BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the IPC serial number. The library under the involved channel is required

6.4.1.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0 PeopleLibraries/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "LibList": [
        {
          "ID": 3,
          "Type": 0,
          "Name": "string",
          "PersonNum": 1,
          "FaceNum": 10,
          "MemberNum": 10,
          "LastChange": 1510811178,
          "BelongIndex": "string"
        }
      ]
    }
  }
}
```


6.4.1.2 Modify Person Library Information

6.4.1.2.1 Overview

Names	Description
Interface description	Modify Person Library Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	PUT
How to submit data	application/json

6.4.1.2.2 URL Description

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None

6.4.1.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	The number of people in the library to modify the Information Value range: [1, 16]
LibList	object[]	body	true	List of people library Information
+ID	integer	body	false	Library ID
+Type	integer	body	false	Face library types 0: Invalid library 1: Blacklist library 2: Grey List library 3: Employee library 4: Visitor library 5: Other libraries
+Name	string	body	true	Library name Range: [1, 63]
+PersonNum	integer	body	false	The total number of people's information in the library, i.e. how many different Personids there are
+FaceNum	integer	body	false	The total number of face photos in the library, that is, how many face photos/features there are
+MemberNum	integer	body	false	The total number of people members in the library, i.e. how many different Faceids there are Note: If a person has more than one FaceID, here is the sum of the number of Faceids. A person without a base map takes up one member slot
+LastChange	integer	body	true	The last time the library Information was modified
+BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the IPC serial number. The library under the involved channel is required

6.4.1.2.4 Example for Request Parameters

```
{
  "Num": 0,
  "LibList": [
    {
      "ID": 3,
      "Type": 0,
      "Name": "string",
      "PersonNum": 1,
      "FaceNum": 10,
      "MemberNum": 10,
      "LastChange": 1510811178,
      "BelongIndex": "string"
    }
  ]
```

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```
}
```

6.4.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.1.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0 PeopleLibraries/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.1.3 Create Person Library Information

6.4.1.3.1 Overview

Names	Description
Interface description	Create Person Library Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/BasicInfo
Interface request method	POST
How to submit data	application/json

6.4.1.3.2 URL Description

None

6.4.1.3.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Library ID
Type	integer	body	false	Face library types 0: Invalid library 1: Blacklist library 2: Grey List library 3: Employee library 4: Visitor library 5: Other libraries
Name	string	body	true	Library name Range: [1, 63]
PersonNum	integer	body	true	The total number of people's Information in the library, i.e. how many different Personids there are
FaceNum	integer	body	true	The total number of face photos in the library, i.e. how many face photos/features there are
MemberNum	integer	body	true	The total number of people members in the library, that is, how many different Faceids there are Note: If a person has more than one FaceID, here is the sum of the number of Faceids. A person without a base map takes up one member slot
LastChange	integer	body	true	The last time the library Information was modified
BelongIndex	string	body	true	The unique owning index of the library Used to identify which device the library belongs to MD5 encrypted identification using the IPC serial number. The library under the involved channel is required

6.4.1.3.4 Example for Request Parameters

```
{
   "ID": 3,
   "Type": 0,
   "Name": "string",
   "PersonNum": 1,
   "FaceNum": 10,
   "MemberNum": 10,
   "LastChange": 1510811178,
   "BelongIndex": "string"
}
```

6.4.1.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++ID	integer	body	true	The library ID that is generated when the library is created successfully

6.4.1.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0 PeopleLibraries/BasicInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0
    }
  }
}
```

6.4.1.4 Delete Person Library Information

6.4.1.4.1 Overview

Names	Description
Interface description	Delete the specified person library on your device
Interface version	V1.0
Interface address	/LAPI/V1.0 PeopleLibraries/<ID>
Interface request method	DELETE
How to submit data	application/json

6.4.1.4.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	Person library ID

6.4.1.4.3 Request Parameters

None

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6.4.1.4.4 Example for Request Parameters

None

6.4.1.4.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.1.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.1.5 Query Person Library Capacity Information

6.4.1.5.1 Overview

Names	Description
Interface description	Query Person Library Capacity Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/Capacity
Interface request method	GET
How to submit data	application/json

6.4.1.5.2 URL Description

None

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6.4.1.5.3 Request Parameters

None

6.4.1.5.4 Example for Request Parameters

None

6.4.1.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++MaxPeopleNum	integer	body	true	Total library capacity: [Unit: person] The sum of the capacity of a single library, not greater than the total library capacity. It is for display only and cannot be modified
++FreePeopleNum	integer	body	true	Remaining capacity: [Unit: person]
++MaxLibNum	integer	body	true	Maximum number of libraries that can be built
++FreeLibNum	integer	body	true	Number of remaining libraries that can be built
++Num	integer	body	true	Number of built libraries Library number range: [0, 15]
++CapacityInfoList	object[]	body	true	Single library capacity Information list This field is optional when Num is 0
+++LibID	integer	body	true	People library ID
+++Capacity	integer	body	true	Library capacity Information [Unit: person]

6.4.1.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0 PeopleLibraries/Capacity",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
```

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```
        "MaxPeopleNum": 100,
        "FreePeopleNum": 80,
        "MaxLibNum": 5,
        "FreeLibNum": 5,
        "Num": 0,
        "CapacityInfoList": [
          {
            "LibID": 0,
            "Capacity": 0
          }
        ]
      }
    }
}
```

6.4.2 Person

6.4.2.1 Add Person

6.4.2.1.1 Overview

Names	Description
Interface description	Adds person Information about the specified library
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People
Interface request method	POST
How to submit data	application/json

6.4.2.1.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	Person library ID

6.4.2.1.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of person in the person library Value range: [1, 6]
PersonInfoList	object[]	body	true	List of people Information
+PersonID	integer	body	true	Person ID
+LastChange	integer	body	true	People info last modified (Unix timestamp)
+PersonName	string	body	true	Person names Scope: [1, 63]

Parameter names	Parameter type	Parameter location	Required	Description
+Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
+Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
+Region	object	body	true	Member region Information
++Nation	string	body	true	Nationality String length range: [1, 128]
++Province	string	body	true	Provinces String length range: [1, 128]
++City	string	body	true	City String length range: [1, 128]
+TimeTemplate	object	body	true	Person time template Information
++BeginTime	integer	body	true	Effective start time
++EndTime	integer	body	true	Effective end time
++Index	integer	body	true	Time Template Index
+Address	string	body	false	Address String length range: [1, 64]
+IdentificationNum	integer	body	true	Number of member credentials Currently IPC supports only two credentials
+IdentificationList	object[]	body	true	List of member ID Information
++Type	integer	body	false	Type of credentials 2: Passport 3: Driving license 99: Other
++Number	string	body	false	Id number String length range: [1, 39]
+ImageNum	integer	body	true	Number of face pictures Range: [0, 5]
+ImageList	object[]	body	false	Face picture Information list
++FaceID	integer	body	true	Face Photo ID Partial Device support
++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: Unmodeled 1: modeled 2: Modeling failed
++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried

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Parameter names	Parameter type	Parameter location	Required	Description
++Size	integer	body	true	Photo size
++Data	string	body	true	BASE64 encoded picture data Not supported on some devices

6.4.2.1.4 Examples Of Request Parameters


```
{
  "Num": 1,
  "PersonInfoList": [
    {
      "PersonID": 1,
      "LastChange": 1510925018,
      "PersonName": "string",
      "Gender": 0,
      "Birthday": "\"20180112\"",
      "Region": {
        "Nation": "China ",
        "Province": "Zhejiang ",
        "City": "Hangzhou"
      },
      "TimeTemplate": {
        "BeginTime": 0,
        "EndTime": 0,
        "Index": 0
      },
      "Address": "string",
      "IdentificationNum": 0,
      "IdentificationList": [
        {
          "Type": 0,
          "Number": "\"33022319890520222X\""
        }
      ],
      "ImageNum": 0,
      "ImageList": [
        {
          "FaceID": 0,
          "ModelStatus": 0,
          "Name": "string",
          "Size": 0,
          "Data": "string"
        }
      ]
    }
  ]
}
```


6.4.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+StatusString	string	body	true	Resolution result corresponding to the status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of person Range: [0, 5]
++PersonList	object[]	body	true	List of people Information results
+++ReqSeq	string	body	false	Request data serial number This field is the serial number with which the request was made and is returned as is Not supported by some devices
+++PersonID	integer	body	true	Person ID
+++FaceNum	integer	body	true	Number of faces Range: [0, 5]
+++FaceList	object[]	body	false	Face Information result list
++++FaceID	integer	body	false	Face ID
++++ResultCode	integer	body	false	Process the resulting status code 0: Success 1: Universal execution failed 1000: Algorithm initialization failed 1001: Face detection failed 1002: The image does not detect a face 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Image scaling failed 1006: Smart not enabled 1007: Imported picture is too large 1008: Import picture is too small 1009: The resolution of the imported image exceeds 2304 x 2304 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library 1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree 1100: Fingerprint operation - Person does not exist 1101: Fingerprint operation - Fingerprint module module is not connected

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Parameter names	Parameter type	Parameter location	Required	Description
				1102: Fingerprint operation - Fingerprint memory processing failed 1103: Fingerprint operation - The fingerprint feature sent by LAPI is empty 1104: Fingerprint operation - Internal error 1105: Fingerprint operation - Excess inventory 1106: Fingerprint operation - Fingerprint ID error
+++FingerprintNum	string	body	true	Number of fingerprint processing results
+++FingerprintList	string[]	body	true	List of fingerprint processing results

6.4.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed",
    "Data": {
      "Num": 0,
      "PersonList": [
        {
          "ReqSeq": "string",
          "PersonID": 0,
          "FaceNum": 0,
          "FaceList": [
            {
              "FaceID": 0,
              "ResultCode": 0
            }
          ],
          "FingerprintNum": "string",
          "FingerprintList": [
            "string"
          ]
        }
      ]
    }
  }
}
```

6.4.2.2 Modify Person

6.4.2.2.1 Overview

Names	Description
Interface description	Modify the person Information of a specified library Currently only single-person modifications are supported
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People
Interface request method	PUT
How to submit data	application/json

6.4.2.2.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	Staff library ID

6.4.2.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of person in the person library Value range: [1, 6]
PersonInfoList	object[]	body	true	List of people Information
+PersonID	integer	body	true	Person ID
+LastChange	integer	body	true	People info last modified (Unix timestamp)
+PersonName	string	body	true	Person name Scope: [1, 63]
+Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
+Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
+Region	object	body	true	Member region Information
++Nation	string	body	true	Nationality String length range: [1, 128]
++Province	string	body	true	Provinces String length range: [1, 128]
++City	string	body	true	City String length range: [1, 128]
+TimeTemplate	object	body	true	Person time template Information
++BeginTime	integer	body	true	Effective start time
++EndTime	integer	body	true	Effective end time
++Index	integer	body	true	Time Template Index
+Address	string	body	false	Address

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Parameter names	Parameter type	Parameter location	Required	Description
				String length range: [1, 64]
+IdentificationNum	integer	body	true	Number of member credentials Currently IPC supports only two credentials
+IdentificationList	object[]	body	true	List of member ID Information
++Type	integer	body	false	Document type 2: Passport 3: Driving license 99: Other
++Number	string	body	false	Id number String length range: [1, 39]
+ImageNum	integer	body	true	Number of face pictures Range: [0, 5]
+ImageList	object[]	body	false	Face picture Information list
++FaceID	integer	body	true	Face Photo ID Partial Device support
++ModelStatus	integer	body	true	Modeling state That is, the face picture is converted into a semi-structured data state 0: Unmodeled 1: modeled 2: Modeling failed
++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried
++Size	integer	body	true	Photo size
++Data	string	body	true	BASE64 encoded picture data Not supported on some devices

6.4.2.2.4 Example for Request Parameters


```
{
  "Num": 1,
  "PersonInfoList": [
    {
      "PersonID": 1,
      "LastChange": 1510925018,
      "PersonName": "string",
      "Gender": 0,
      "Birthday": "\"20180112\"",
      "Region": {
        "Nation": "China ",
        "Province": "Zhejiang ",
        "City": "Hangzhou"
      },
      "TimeTemplate": {
        "BeginTime": 0,
        "EndTime": 0,
```


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```
            "Index": 0
        },
        "Address": "string",
        "IdentificationNum": 0,
        "IdentificationList": [
            {
                "Type": 0,
                "Number": "\"33022319890520222X\""
            }
        ],
        "ImageNum": 0,
        "ImageList": [
            {
                "FaceID": 0,
                "ModelStatus": 0,
                "Name": "string",
                "Size": 0,
                "Data": "string"
            }
        ]
    }
  ]
}
```


6.4.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+CreatedID	integer	body	true	ID of the array object created by the POST method. If not used, fill in -1
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+StatusString	string	body	true	Resolution result corresponding to the status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of person Range: [0, 5]
++PersonList	object[]	body	true	List of people Information results
+++ReqSeq	string	body	false	Request data serial number This field is the serial number with the request and is returned as is Not supported by some devices
+++PersonID	integer	body	true	Person ID
+++FaceNum	integer	body	true	Number of faces

Parameter names	Parameter type	Parameter location	Required	Description
				Range: [0, 5]
+++FaceList	object[]	body	false	Face Information result list
++++FaceID	integer	body	false	Face ID
++++ResultCode	integer	body	false	Process the resulting status code 0: Success 1: Universal execution failed 1000: Algorithm initialization failed 1001: Face detection failed 1002: No face detected in the image 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Picture scaling failed 1006: Smart not enabled 1007: Imported picture is too large 1008: Import picture is too small 1009: The resolution of the imported image exceeds 2304 x 2304 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library 1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree 1100: Fingerprint operation - the person is not present 1101: Fingerprint operation - Fingerprint module module is not connected 1102: Fingerprint operation - Fingerprint memory processing failed 1103: Fingerprint operation - The fingerprint feature sent by LAPI is empty 1104: Fingerprint operation - Internal error 1105: Fingerprint operation - Excess inventory 1106: Fingerprint operation - Fingerprint ID error
+++FingerprintNum	string	body	true	Number of fingerprint processing results
+++FingerprintList	string[]	body	true	List of fingerprint processing results

6.4.2.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People",
    "CreatedID": 0,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
```

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```
    "StatusCode": 0,
    "StatusString": "Succeed",
    "Data": {
      "Num": 0,
      "PersonList": [
        {
          "ReqSeq": "string",
          "PersonID": 0,
          "FaceNum": 0,
          "FaceList": [
            {
              "FaceID": 0,
              "ResultCode": 0
            }
          ],
          "FingerprintNum": "string",
          "FingerprintList": [
            "string"
          ]
        }
      ]
    }
  }
}
```


6.4.2.3 Delete The Specified Person Information For The Specified Library

6.4.2.3.1 Overview

Names	Description
Interface description	Delete The Specified Person Information For The Specified Library
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>
Interface request method	DELETE
How to submit data	application/json

6.4.2.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	integer	true	2	People Library ID Note: PeopleLibraries/<ID>
ID	integer	true	2	Note: People/<ID>

6.4.2.3.3 Request Parameters

None

6.4.2.3.4 Example for Request Parameters

None

6.4.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.2.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.2.4 Condition Query Person Information

6.4.2.4.1 Overview

Names	Description
Interface description	Condition Query Person Information
Interface version	V1.0
Interface address	/LAPI/V1.0/PeopleLibraries/<ID>/People/Info
Interface request method	POST
How to submit data	application/json

6.4.2.4.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	2	Person library ID

6.4.2.4.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Query the number of criteria Max. 4
QueryInfos	object[]	body	false	Query list of criteria When Num is 0, this field is not included
+QryType	integer	body	true	Query criteria 0: User name 19: ID number 20: Gender query 38: Library ID 55: User name 58: ID number query 95: Super long person ID
+QryContion	integer	body	true	Search criteria Logical type 0: equals
+QryData	string	body	true	Query the Rvalue of the condition QryType=20, the value is the gender of the person, the enumeration values are as follows: 0: unknown, 1: male 2: Female, 9: Unexplained QryType=55, the value is the username QryType=58, the value is ID number
Limit	integer	body	true	Number of queries per query, up to 20
Offset	integer	body	true	Start the query from the current serial number, with the initial serial number starting at 0

6.4.2.4.4 Example for Request Parameters

```
{
  "Num": 0,
  "QueryInfos": [
    {
      "QryType": 6,
      "QryContion": 0,
      "QryData": "DiskOffline"
    }
  ],
  "Limit": 0,
  "Offset": 0
}
```

6.4.2.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter name	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	The total number that matches the query criteria
++Offset	integer	body	true	Current serial number, which starts from 0
++PersonList	object	body	true	List of eligible face Information
+++Num	integer	body	true	Number of person in the person library Value range: [1, 6]
+++PersonInfoList	object[]	body	true	List of people Information
++++PersonID	integer	body	true	Person ID
++++LastChange	integer	body	true	People info last modified (Unix timestamp)
++++PersonName	string	body	true	Person names Scope: [1, 63]
++++Gender	integer	body	true	Member gender 0: Unknown 1: Male 2: Female
++++Birthday	string	body	true	Member's date of birth Format YYYYMMDD, string length range: [1, 31]
++++Region	object	body	true	Member region Information
+++++Nation	string	body	true	Nationality String length range: [1, 128]
+++++Province	string	body	true	Provinces String length range: [1, 128]
+++++City	string	body	true	City String length range: [1, 128]
++++TimeTemplate	object	body	true	Person time template Information
+++++BeginTime	integer	body	true	Effective start time
+++++EndTime	integer	body	true	Effective end time
+++++Index	integer	body	true	Time Template Index
++++Address	string	body	false	Address String length range: [1, 64]
++++IdentificationNum	integer	body	true	Number of member credentials Currently IPC supports only two credentials
++++IdentificationList	object[]	body	true	List of member ID Information

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Parameter name	Parameter type	Parameter location	Required	Description
+++++Type	integer	body	false	Type of credentials 2: Passport 3: Driving license 99: Other
+++++Number	string	body	false	Id number String length range: [1, 39]
++++ImageNum	integer	body	true	Number of face pictures Range: [0, 5]
++++ImageList	object[]	body	false	Face picture Information list
+++++FaceID	integer	body	true	Face Photo ID Partial Device support
+++++ModelStatus	integer	body	true	Modeling state The state of turning the face picture into semi-structured data 0: Unmodeled 1: modeled 2: Modeling failed
+++++Name	string	body	true	Photo name By default, the current UTC time is used to name the picture when this field is not carried
+++++Size	integer	body	true	Photo size
+++++Data	string	body	true	BASE64 encoded picture data Some devices do not support it

6.4.2.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/PeopleLibraries/<ID>/People/Info",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Total": 0,
      "Offset": 0,
      "PersonList": {
        "Num": 1,
        "PersonInfoList": [
          {
            "PersonID": 1,
            "LastChange": 1510925018,
            "PersonName": "string",
            "Gender": 0,
            "Birthday": "\"20180112\"",
            "Region": {
              "Nation": "China ",
              "Province": "Zhejiang ",
              "City": "Hangzhou"
            },
```

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```
                "TimeTemplate": {
                  "BeginTime": 0,
                  "EndTime": 0,
                  "Index": 0
                },
                "Address": "string",
                "IdentificationNum": 0,
                "IdentificationList": [
                  {
                    "Type": 0,
                    "Number": "\"33022319890520222X\""
                  }
                ],
                "ImageNum": 0,
                "ImageList": [
                  {
                    "FaceID": 0,
                    "ModelStatus": 0,
                    "Name": "string",
                    "Size": 0,
                    "Data": "string"
                  }
                ]
              }
            ]
          }
        }
      }
}
```


6.4.3 Monitor rules

6.4.3.1 Query Monitor Control Tasks

6.4.3.1.1 Overview

Names	Description
Interface description	Query all face monitor tasks
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor
Interface request method	GET
How to submit data	application/json

6.4.3.1.2 URL Description

None

6.4.3.1.3 Request Parameters

None

6.4.3.1.4 Example for Request Parameters

None

6.4.3.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of face Monitor tasks Max. 16
++MonitorList	object[]	body	false	Face monitor Task list This field is not returned if Num is 0
+++ID	integer	body	false	Monitor coding
+++MonitorBaseInfo	object	body	true	Configure Information about the face deployment task
++++ID	integer	body	true	Face monitor ID
++++Enabled	integer	body	true	Enable the face monitor task 0: disables 1: enabled
++++LibNum	integer	body	true	The number of faces in the library corresponding to the task
++++LibIDList	string[]	body	true	List of library ids
++++MonitorType	integer	body	false	Type of police officer 0: Matches the alarm 1: The alarm is not matched
++++Name	string	body	true	Face monitor task monitor name, range: [1, 63]
++++Reason	string	body	true	The reason for the monitor of the face monitor task Scope: [1, 63]
++++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
+++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies Maximum value: 2
+++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
++++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure

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Parameter name	Parameter type	Parameter location	Required	Description
++++LinkageActions	object	body	true	Linkage Action Information
+++++Num	integer	body	true	Linkage quantity Max. 32
+++++Actions	object[]	body	false	Linkage Action Information table
++++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
++++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
++++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters
+++WeekPlan	object	body	true	Face monitor task monitor plan
++++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++++Num	integer	body	true	Plan days Max. 7(seven days a week)
++++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++++End	string	body	true	End time Format hh:mm:ss

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Parameter name	Parameter type	Parameter location	Required	Description
				String length range: [0, 11]
++++++ArmingType	integer	body	true	Monitor type Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.4.3.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "MonitorList": [
        {
          "ID": 0,
          "MonitorBaseInfo": {
            "ID": 0,
            "Enabled": 1,
            "LibNum": 0,
            "LibIDList": [
              "string"
            ],
            "MonitorType": 0,
            "Name": "string",
            "Reason": "string",
            "MultipleValue": 0
          },
          "LinkageStrategyNum": 0,
          "LinkageStrategy": [
            {
              "Type": 1,
              "LinkageActions": {
                "Num": 0,
                "Actions": [
                  {
                    "Enabled": 1,
                    "ActID": 0,
                    "ActParam": {}
                  }
                ]
              }
            }
          ],
          "WeekPlan": {
```


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```
                "Enabled": 1,
                "Num": 1,
                "Days": [
                  {
                    "ID": 1,
                    "Num": 1,
                    "TimeSectionInfos": [
                      {
                        "Begin": "00:00:00",
                        "End": "23:59:59",
                        "ArmingType": 0
                      }
                    ]
                  }
                ]
              }
            }
          ]
        }
      }
    }
```

6.4.3.2 Add Monitor Task

6.4.3.2.1 Overview

Names	Description
Interface description	Added face monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor
Interface request method	POST
How to submit data	application/json

6.4.3.2.2 URL Description

None

6.4.3.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
MonitorBaseInfo	object	body	true	Configure Information about the face deployment task
+ID	integer	body	true	Face monitor ID
+Enabled	integer	body	true	Enable the face monitor task 0: disables 1: Enables the function
+LibNum	integer	body	true	The number of faces in the library corresponding to the task
+LibIDList	string[]	body	true	List of library ids

Parameter Name	Parameter type	Parameter location	Required	Description
+MonitorType	integer	body	false	Cloth charge police type 0: matches the alarm 1: The alarm is not matched
+Name	string	body	true	Face monitor task monitor name, range: [1, 63]
+Reason	string	body	true	The reason for the monitor of the face monitor task Scope: [1, 63]
+MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies Maximum value: 2
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Linkage Action Information
++Num	integer	body	true	Linkage quantity Max. 32
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters
WeekPlan	object	body	true	Face monitor task monitor plan
+Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
+Num	integer	body	true	Plan days Max. 7(seven days a week)
+Days	object[]	body	true	List of Monitor Plans for each day of the week
++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday

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Parameter Name	Parameter type	Parameter location	Required	Description
				2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
+++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
+++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
+++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.4.3.2.4 Example for Request Parameters

```
{
  "MonitorBaseInfo": {
    "ID": 0,
    "Enabled": 1,
    "LibNum": 0,
    "LibIDList": [
      "string"
    ],
    "MonitorType": 0,
    "Name": "string",
    "Reason": "string",
    "MultipleValue": 0
  },
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 0,
        "Actions": [
          {
            "Enabled": 1,
```

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```
                "ActID": 0,
                "ActParam": {}
            }
        ]
    }
  }
],
"WeekPlan": {
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
}
```


6.4.3.2.5 Return Parameters

Parameter name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++MemberID	integer	body	true	Member ID
++Name	string	body	true	Member names Length range: [1, 63]
++Num	integer	body	true	Deploy the number of results
++MonitorResultList	object[]	body	true	List of results Information
+++DevID	integer	body	true	Device ID
+++ChannelID	integer	body	true	Channel ID This parameter is mandatory when routing a channel
+++MonitorID	integer	body	true	Monitor task ID

Parameter name	Parameter type	Parameter position	Required	Description
+++ResultCode	integer	body	true	Failure causes are displayed 1: General execution fails 1000: algorithm initialization fails 1001: Face detection failed 1002: The image does not detect a face 1003: jpeg photo decoding failed 1004: The picture quality score is not satisfied 1005: Picture scaling failed 1006: Smart not enabled 1007: Import picture is too small 1008: Import picture is too large 1009: The resolution of the imported image exceeds the maximum limit of 1920*1080 1010: The imported picture does not exist 1011: The maximum number of face elements has been reached 1012: The smart stick algorithm model does not match 1013: Face import library member ID number is illegal 1014: Face import library member picture format is wrong 1015: The channel monitor has reached the upper limit of the device capability 1016: Other customers are operating the face library 1017: The face library file is being updated 1018: Json deserialization failed 1019: Base64 decoding failed 1020: Face photo, the encoded size and the actual length of the received does not agree 1021: Only devices with the same image access protocol can be selected for each monitor task 1022: The device face library reaches the upper limit 1023: No smart stick 1024: Device is busy 1025: The video gallery is not connected

6.4.3.2.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "MemberID": 0,
      "Name": "string",
      "Num": 0,
      "MonitorResultList": [
        {
          "DevID": 0,
          "ChannelID": 0,
          "MonitorID": 0,
          "ResultCode": 0
        }
      ]
    }
  }
}
```


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6.4.3.3 Batches Delete Monitor Tasks

6.4.3.3.1 Overview

Names	Description
Interface description	Batches Delete Monitor Tasks
Interface Version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor
Interface request method	DELETE
How to submit data	application/json

6.4.3.3.2 URL Description

None

6.4.3.3.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of tasks to deploy
MonitorIDList	integer[]	body	true	List of deployment task ids

6.4.3.3.4 Example for Request Parameters

```
{
  "Num": 0,
  "MonitorIDList": [
    0
  ]
}
```

6.4.3.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	false	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter name	Parameter type	Parameter location	Required	Description
+Data	object	body	false	NULL

6.4.3.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {}
  }
}
```

6.4.3.4 Get Monitor Task

6.4.3.4.1 Overview

Names	Description
Interface description	Get a single face monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	GET
How to submit data	application/json

6.4.3.4.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the deployment task

6.4.3.4.3 Request Parameters

None

6.4.3.4.4 Example for Request Parameters

None

6.4.3.4.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	false	Monitor coding
++MonitorBaseInfo	object	body	true	Configure Information about the face deployment task
+++ID	integer	body	true	Face monitor ID
+++Enabled	integer	body	true	Enable the face monitor task 0: disables 1: enabled
+++LibNum	integer	body	true	The number of faces in the library corresponding to the task
+++LibIDList	string[]	body	true	List of library ids
+++MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched
+++Name	string	body	true	Face monitor task monitor name, range: [1, 63]
+++Reason	string	body	true	The reason of the face monitor task Scope: [1, 63]
+++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies Maximum value: 2
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+++LinkageActions	object	body	true	Linkage Action Information
++++Num	integer	body	true	Linkage quantity Max. 32
++++Actions	object[]	body	false	Linkage Action Information table
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices

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Parameter name	Parameter type	Parameter location	Required	Description
				0: disabled 1: enabled
+++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters
++WeekPlan	object	body	true	Face monitor task monitor plan
+++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
+++Num	integer	body	true	Plan days Max. 7(seven days a week)
+++Days	object[]	body	true	List of Monitor Plans for each day of the week
++++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
++++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
++++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
+++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
+++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
+++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan

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Parameter name	Parameter type	Parameter location	Required	Description
				10: Events

6.4.3.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "MonitorBaseInfo": {
        "ID": 0,
        "Enabled": 1,
        "LibNum": 0,
        "LibIDList": [
          "string"
        ],
        "MonitorType": 0,
        "Name": "string",
        "Reason": "string",
        "MultipleValue": 0
      },
      "LinkageStrategyNum": 0,
      "LinkageStrategy": [
        {
          "Type": 1,
          "LinkageActions": {
            "Num": 0,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 0,
                "ActParam": {}
              }
            ]
          }
        }
      ],
      "WeekPlan": {
        "Enabled": 1,
        "Num": 1,
        "Days": [
          {
            "ID": 1,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
```

```
    }
  }
}
```

6.4.3.5 Set Monitor Task

6.4.3.5.1 Overview

Names	Description
Interface description	Set a single face monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	PUT
How to submit data	application/json

6.4.3.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the deployment task

6.4.3.5.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
MonitorBaseInfo	object	body	true	Configure Information about the face deployment task
+ID	integer	body	true	Face monitor ID
+Enabled	integer	body	true	Enable the face monitor task 0: disables 1: enabled
+LibNum	integer	body	true	The number of faces in the library corresponding to the task
+LibIDList	string[]	body	true	List of library ids
+MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched
+Name	string	body	true	Face monitor task monitor name, range: [1, 63]
+Reason	string	body	true	The reason for the monitor of the face monitor task Scope: [1, 63]
+MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies Max. 2

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Parameter Name	Parameter type	Parameter location	Required	Description
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Linkage Action Information
++Num	integer	body	true	Linkage quantity Max. 32
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters
WeekPlan	object	body	true	Face monitor task monitor plan
+Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: Enables the function
+Num	integer	body	true	Plan days Max. 7(seven days a week)
+Days	object[]	body	true	List of Monitor Plans for each day of the week
++ID	integer	body	true	Weekly defense index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
+++Begin	string	body	true	Start time

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Parameter Name	Parameter type	Parameter location	Required	Description
				Format hh:mm:ss String length range: [0, 11]
+++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
+++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

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6.4.3.5.4 Example for Request Parameters


```
{
  "MonitorBaseInfo": {
    "ID": 0,
    "Enabled": 1,
    "LibNum": 0,
    "LibIDList": [
      "string"
    ],
    "MonitorType": 0,
    "Name": "string",
    "Reason": "string",
    "MultipleValue": 0
  },
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 0,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 0,
            "ActParam": {}
          }
        ]
      }
    }
  ],
  "WeekPlan": {
    "Enabled": 1,
    "Num": 1,
    "Days": [
      {
        "ID": 1,
        "Num": 1,
```

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```
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
    }
}
```

6.4.3.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.3.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.3.6 Delete Monitor Task

6.4.3.6.1 Overview

Names	Description
Interface description	Delete a single face monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>
Interface request method	DELETE

Names	Description
How to submit data	application/json

6.4.3.6.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the deployment task

6.4.3.6.3 Request Parameters

None

6.4.3.6.4 Example for Request Parameters

None

6.4.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.3.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.3.7 Get Monitor Task Rules

6.4.3.7.1 Overview

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Names	Description
Interface description	Query basic Information about a single face monitor rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Interface request method	GET
How to submit data	application/json

6.4.3.7.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the deployment task

6.4.3.7.3 Request Parameters

None

6.4.3.7.4 Example for Request Parameters

None

6.4.3.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Face monitor ID
++Enabled	integer	body	true	Enable the face monitor task 0: disables 1: enabled
++LibNum	integer	body	true	The number of faces in the library corresponding to the task
++LibIDList	string[]	body	true	List of library ids
++MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm

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Parameter name	Parameter type	Parameter location	Required	Description
				1: The alarm is not matched
++Name	string	body	true	Face monitor task monitor name, range: [1, 63]
++Reason	string	body	true	The reason for the monitor of the face monitor task Scope: [1, 63]
++MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]
++ChannelNum	string	body	true	Number of monitor channels for the face monitor task

6.4.3.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Enabled": 1,
      "LibNum": 0,
      "LibIDList": [
        "string"
      ],
      "MonitorType": 0,
      "Name": "string",
      "Reason": "string",
      "MultipleValue": 0,
      "ChannelNum": "string"
    }
  }
}
```

6.4.3.8 Set Monitor Task Rules

6.4.3.8.1 Overview

Names	Description
Interface description	Set the single face monitor rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo
Interface request method	PUT
How to submit data	application/json

6.4.3.8.2 URL Description

None

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6.4.3.8.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Face monitor ID
Enabled	integer	body	true	Enable the face monitor task 0: disables 1: enabled
LibNum	integer	body	true	The number of faces in the library corresponding to the task
LibIDList	string[]	body	true	Library ID list
MonitorType	integer	body	false	Cloth charge police type 0: Matches the alarm 1: The alarm is not matched
Name	string	body	true	Face monitor task monitor name, range: [1, 63]
Reason	string	body	true	The reason for the monitor of the face monitor task Scope: [1, 63]
MultipleValue	integer	body	true	Face 1: N Comparison confidence threshold range: [0, 100]

6.4.3.8.4 Example for Request Parameters

```
{
   "ID": 0,
   "Enabled": 1,
   "LibNum": 0,
   "LibIDList": [
      "string"
   ],
   "MonitorType": 0,
   "Name": "string",
   "Reason": "string",
   "MultipleValue": 0
}
```

6.4.3.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	string	body	true	Response results

6.4.3.8.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/RuleInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": "null"
  }
}
```

6.4.3.9 Get The Monitor Linkage Action

6.4.3.9.1 Overview

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Names	Description
Interface description	Query a single face monitor linkage action
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Interface request method	GET
How to submit data	application/json

6.4.3.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the deployment task

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6.4.3.9.3 Request Parameters

None

6.4.3.9.4 Example for Request Parameters

None

6.4.3.9.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter Name	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
++LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+++Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+++LinkageActions	object	body	true	Face monitor task linkage action
++++Num	integer	body	true	Linkage quantity Max. 32
++++Actions	object[]	body	false	Linkage Action Information table
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+++++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters

6.4.3.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "LinkageStrategyNum": 0,
      "LinkageStrategy": [
        {
          "Type": 1,
          "LinkageActions": {
            "Num": 0,
            "Actions": [
              {
```

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```
                "Enabled": 1,
                "ActID": 0,
                "ActParam": {}
            }
        ]
    }
  }
 ]
}
}
}
```

6.4.3.10 Set The Linkage Action For Monitor

6.4.3.10.1 Overview

Names	Description
Interface description	Set a single face monitor gauge linkage action
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.4.3.10.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	0	ID of the deployment task

6.4.3.10.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
LinkageStrategyNum	integer	body	true	Number of alarm linkage policies
LinkageStrategy	object[]	body	true	Alarm linkage configuration array
+Type	integer	body	true	Alarm type 1: The comparison is successful 2: Compare failure
+LinkageActions	object	body	true	Face monitor task linkage action
++Num	integer	body	true	Linkage quantity Max. 32
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28

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Parameter Name	Parameter type	Parameter location	Required	Description
				(For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+++ActID	integer	body	true	Linkage item For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters

6.4.3.10.4 Example for Request Parameters

```
{
  "LinkageStrategyNum": 0,
  "LinkageStrategy": [
    {
      "Type": 1,
      "LinkageActions": {
        "Num": 0,
        "Actions": [
          {
            "Enabled": 1,
            "ActID": 0,
            "ActParam": {}
          }
        ]
      }
    }
  ]
}
```

6.4.3.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.4.3.10.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.3.11 Get Monitor Plan

6.4.3.11.1 Overview

name	Description
Interface description	Query a single face monitor
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Interface request method	GET
How to submit data	application/json

6.4.3.11.2 URL Description

Parameter Name	Parameter type	Required	Example value	Description
ID	unsigned long	true	0	ID of the deployment task

6.4.3.11.3 Request Parameters

None

6.4.3.11.4 Example for Request Parameters

None

6.4.3.11.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter name	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++WeekPlan	object	body	true	Monitor plan Information Some devices are not supported
+++Enabled	integer	body	true	Whether to enable the monitor plan. This parameter is enabled by default Default value: 1 0: Disabled 1: Enables the function
+++Num	integer	body	true	Plan days IPC Max 7(seven days a week)
+++Days	object[]	body	true	List of Monitor Plans for each day of the week
++++ID	integer	body	true	Weekly index 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments
++++TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++++Begin	string	body	true	Start time, format hh:mm:ss String length range: [0, 11]
+++++End	string	body	true	End time The format is hh:mm:ss String length range: [0, 11]

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6.4.3.11.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "WeekPlan": {
        "Enabled": 1,
        "Num": 1,
        "Days": [
          {
            "ID": 0,
            "Num": 0,
```

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```
                "TimeSectionInfos": [
                  {
                    "Begin": "string",
                    "End": "string"
                  }
                ]
              }
            ]
          }
        }
      }
    }
```

6.4.3.12 Set Monitor Plan

6.4.3.12.1 Overview

name	Description
Interface description	Set a single face monitor plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan
Interface request method	PUT
How to submit data	application/json

6.4.3.12.2 URL Description

Parameter Name	Parameter type	Required	Example value	Description
ID	Integer	true	0	ID of the deployment task

6.4.3.12.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
WeekPlan	object	body	true	Lay out a weekly defense plan
+Enabled	integer	body	true	Whether to enable the monitor plan. This parameter is enabled by default Default value: 1 0: Disabled 1: enabled
+Num	integer	body	true	Plan days IPC Max 7(seven days a week)
+Days	object[]	body	true	List of Monitor Plans for each day of the week
++ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday

Parameter Name	Parameter type	Parameter location	Required	Description
				4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments
++TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
+++Begin	string	body	true	Start time, format hh:mm:ss String length range: [0, 11]
+++End	string	body	true	End time in the format hh:mm:ss String length range: [0, 11]

6.4.3.12.4 Example for Request Parameters

```
{
  "WeekPlan": {
    "Enabled": 1,
    "Num": 1,
    "Days": [
      {
        "ID": 0,
        "Num": 0,
        "TimeSectionInfos": [
          {
            "Begin": "string",
            "End": "string"
          }
        ]
      }
    ]
  }
}
```

6.4.3.12.5 Return Parameters

Parameter name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter name	Parameter type	Parameter position	Required	Description
+Data	object	body	true	Null

6.4.3.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Plan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.4.3.13 Query Monitor Member

6.4.3.13.1 Overview

Names	Description
Interface description	Query the face member monitor status list of a single face monitor task
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Member?Limit=<Limit>&Offset=<Offset>
Interface request method	GET
How to submit data	application/json

6.4.3.13.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	0	ID of the deployment task
Limit	integer	false	10	Number of queries per query, up to 50
Offset	integer	false	0	Query from the current serial number, starting from 0

6.4.3.13.3 Request Parameters

None

6.4.3.13.4 Example for Request Parameters

None

6.4.3.13.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Total	integer	body	true	The total number of face members deployed
++Offset	integer	body	true	Face member query start sequence number
++MemberNum	string	body	true	Monitor member face Indicates the total number of monitor status query results
++MonitorMemberInfoList	object[]	body	true	Controller face Member controller status query list This field is not included when MemberNum is set to 0
+++MemberID	integer	body	true	Member ID
+++Name	string	body	true	Member names
+++MonitorNum	integer	body	true	Quantity of monitor
+++MonitorNumMonitorStatusList	object[]	body	false	Monitor status Information list If the number of controllers is 0, this field is not included
++++DevID	integer	body	true	Device ID
++++ChannelID	integer	body	true	Channel ID
++++MonitorStatus	integer	body	true	Monitor status 0: Successful 1: failed to create the library 2: Member import failed 3: fails to deploy members
+++MonitorResult	integer	body	true	Total result of distribution control Description: As long as there is a failure of the control, that is, the total result of the control is considered a failure 0: The monitor succeeds 1: Deployment control fails

6.4.3.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/Face/Recognition/Monitor/<ID>/Member?Limit=<Limit>&Offset=<Offset>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

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```
        "Data": {
          "Total": 0,
          "Offset": 0,
          "MemberNum": "string",
          "MonitorMemberInfoList": [
            {
              "MemberID": 0,
              "Name": "string",
              "MonitorNum": 0,
              "MonitorNumMonitorStatusList": [
                {
                  "DevID": 0,
                  "ChannelID": 0,
                  "MonitorStatus": 0
                }
              ],
              "MonitorResult": 0
            }
          ]
        }
      }
    }
```

6.5 Storage

6.5.1 Containers

6.5.1.1 Query Hard Disk Information

6.5.1.1.1 Overview

Names	Description
Interface description	Query Hard Disk Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Storage/Containers/DetailInfos
Interface request method	GET
How to submit data	application/json

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6.5.1.1.2 URL Description

None

6.5.1.1.3 Request Parameters

None

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6.5.1.1.4 Example for Request Parameters

None

6.5.1.1.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LocalHDDNum	integer	body	true	Number of local hard drives
++LocalHDDList	object[]	body	false	Local storage disk Information list This byte point is optional when the LocalHDDNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Format progress This field is required when Status is 2
+++GroupID	integer	body	false	Disk group serial number
++SDNum	integer	body	true	Number of SD cards, reserved
++SDList	object[]	body	false	SD card Information list This byte point is optional when the SDNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)

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Parameter names	Parameter type	Parameter location	Required	Description
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Format progress This field is required when Status is 2
+++GroupID	integer	body	false	Disk group serial number
++ArrayNum	integer	body	true	Number of arrays
++ArrayList	object[]	body	false	Array Information list This byte point is optional when the ArrayNum value is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Format progress This field is required when Status is 2

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Parameter names	Parameter type	Parameter location	Required	Description
+++GroupID	integer	body	false	Disk group serial number
++ExtendCabinet1HDDNum	integer	body	true	Expansion cabinet -1 Store the number of disks
++ExtendCabinet1HDDList	object[]	body	false	Extension Cabinet -1 Information list This byte point is optional when ExtendCabinet1HDDNum is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total hard drive capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Format progress This field is required when Status is 2
+++GroupID	integer	body	false	Disk group serial number
++ExtendCabinet2HDDNum	integer	body	true	Expansion cabinet -2 Number of storage disks
++ExtendCabinet2HDDList	object[]	body	false	Extension Cabinet -2 Information list This byte point is optional when ExtendCabinet2HDDNum is 0
+++ID	integer	body	true	Hard drive number Generated by the device, read-only
+++RemainCapacity	integer	body	true	Remaining hard drive capacity (MB)
+++TotalCapacity	integer	body	true	Total Hard disk Capacity (MB)
+++Manufacturer	string	body	true	Manufacturer name String length range: [1, 64]
+++Status	integer	body	true	Store container state 0: No hard disk/Free No storage container 1: Not formatted

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Formatting 3: The hard disk is in good condition 4: Sleep 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties This field is optional when Status is 0 0: Read/write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Format progress This field is required when Status is 2
+++GroupID	integer	body	false	Disk group serial number
++NASNum	integer	body	false	Number of NAS
++NASList	object[]	body	false	NAS Information list Byte point optional when NASNum value is 0
+++ID	integer	body	true	Storage container number
+++RemainCapacity	integer	body	true	Remaining storage disk capacity (MB)
+++TotalCapacity	integer	body	true	Total storage disk capacity (MB)
+++Status	integer	body	true	Storage disk status 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties 0: Read and write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Progress, percentage This field is required when the Status value is 2 Value range: [0, 100]
+++AddressType	integer	body	false	IP address type Currently, only IPv4 is supported. This parameter is mandatory when the storage type is NAS 0: IPv4 1: IPv6 2: Domain name 3: Both IPv4 and IPv6 are required
+++IPAddress	string	body	false	Server IP address This parameter is mandatory when the storage type is NAS String length range: [0, 64]

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Parameter names	Parameter type	Parameter location	Required	Description
+++Path	string	body	false	Server storage path String length range: [1, 256]
+++UsageType	integer	body	true	Uses 0: Video/capture 1: Backup
+++GroupID	string	body	false	Disk group serial number Default: 1
++eSATANum	integer	body	true	Number of eSATA hard drives
++eSATAList	object[]	body	false	eSATA Information list This byte point is optional when the eSATANum value is 0
+++ID	integer	body	true	Storage container number
+++RemainCapacity	integer	body	true	Remaining storage disk capacity (MB)
+++TotalCapacity	integer	body	true	Total storage disk capacity (MB)
+++Status	integer	body	true	Storage disk status 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties 0: Read and write 1: Read only 2: redundancy
+++FormatProgress	integer	body	false	Progress, percentage This field is required when the Status value is 2 Value range: [0, 100]
+++AddressType	integer	body	false	IP address type Currently, only IPv4 is supported. This parameter is mandatory when the storage type is NAS 0: IPv4 1: IPv6 2: Domain name 3: Both IPv4 and IPv6 are required
+++IPAddress	string	body	false	Server IP address This parameter is mandatory when the storage type is NAS String length range: [0, 64]
+++Path	string	body	false	NAS server storage path String length range: [1, 256]
+++UsageType	integer	body	true	Uses 0: Video/capture 1: Backup
+++GroupID	string	body	false	Disk group serial number

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Parameter names	Parameter type	Parameter location	Required	Description
				Default: 1
++IPSANNum	integer	body	true	Number of IPSAN
++IPSANList	object[]	body	false	List of number of IPsans Optional when IPSANNum is set to 0
+++ID	integer	body	true	Storage container number
+++RemainCapacity	integer	body	true	Remaining disk capacity (MB)
+++TotalCapacity	integer	body	true	Total storage disk capacity (MB)
+++Status	integer	body	true	Storage disk status 0: No hard disk/Free No storage container 1: Not formatted 2: Formatting 3: The hard disk is in good condition 4: hibernates 5: Abnormal 6: Switching 7: uninstalled (for NAS disks, not supported by fusioncube)
+++Property	integer	body	true	Storage disk properties 0: Read and write 1: Read only 2: Redundant
+++FormatProgress	integer	body	false	Progress, percentage This field is required when the Status value is 2 Value range: [0, 100]
+++AddressType	integer	body	false	IP address type Currently, only IPv4 is supported. This parameter is mandatory when the storage type is NAS 0: IPv4 1: IPv6 2: Domain name 3: Both IPv4 and IPv6 are required
+++IPAddress	string	body	false	Server IP address This parameter is mandatory when the storage type is NAS String length range: [0, 64]
+++Path	string	body	false	Server storage path String length range: [1, 256]
+++UsageType	integer	body	true	Uses 0: Video/capture 1: Backup
+++GroupID	string	body	false	Disk group serial number Default: 1

6.5.1.1.6 Example for Returning Parameters

```
{
    "Response": {
```

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```
"ResponseURL": "/LAPI/V1.0/Storage/Containers/DetailInfos",
"ResponseCode": 0,
"SubResponseCode": 0,
"ResponseString": "Succeed",
"StatusCode": 0,
"Data": {
  "LocalHDDNum": 1,
  "LocalHDDList": [
    {
      "ID": 1,
      "RemainCapacity": 1907730,
      "TotalCapacity": 1907730,
      "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
      "Status": 1,
      "Property": 0,
      "FormatProgress": 0,
      "GroupID": 1
    }
  ],
  "SDNum": 1,
  "SDList": [
    {
      "ID": 1,
      "RemainCapacity": 1907730,
      "TotalCapacity": 1907730,
      "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
      "Status": 1,
      "Property": 0,
      "FormatProgress": 0,
      "GroupID": 1
    }
  ],
  "ArrayNum": 1,
  "ArrayList": [
    {
      "ID": 1,
      "RemainCapacity": 1907730,
      "TotalCapacity": 1907730,
      "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
      "Status": 1,
      "Property": 0,
      "FormatProgress": 0,
      "GroupID": 1
    }
  ],
  "ExtendCabinet1HDDNum": 1,
  "ExtendCabinet1HDDList": [
    {
      "ID": 1,
      "RemainCapacity": 1907730,
      "TotalCapacity": 1907730,
      "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
      "Status": 1,
      "Property": 0,
      "FormatProgress": 0,
      "GroupID": 1
    }
  ],
  "ExtendCabinet2HDDNum": 1,
  "ExtendCabinet2HDDList": [
    {
      "ID": 1,
      "RemainCapacity": 1907730,
```

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```
            "TotalCapacity": 1907730,
            "Manufacturer": "SEAGATEST2000VX000-9YW1CV12",
            "Status": 1,
            "Property": 0,
            "FormatProgress": 0,
            "GroupID": 1
        }
    ],
    "NASNum": 1,
    "NASList": [
        {
            "ID": 1,
            "RemainCapacity": 1907730,
            "TotalCapacity": 1907730,
            "Status": 3,
            "Property": 0,
            "FormatProgress": 20,
            "AddressType": 0,
            "IPAddress": "192.168.100.30",
            "Path": "/volume2/123456",
            "UsageType": 0,
            "GroupID": "1"
        }
    ],
    "eSATANum": 1,
    "eSATAList": [
        {
            "ID": 1,
            "RemainCapacity": 1907730,
            "TotalCapacity": 1907730,
            "Status": 3,
            "Property": 0,
            "FormatProgress": 20,
            "AddressType": 0,
            "IPAddress": "192.168.100.30",
            "Path": "/volume2/123456",
            "UsageType": 0,
            "GroupID": "1"
        }
    ],
    "IPSANNum": 1,
    "IPSANList": [
        {
            "ID": 1,
            "RemainCapacity": 1907730,
            "TotalCapacity": 1907730,
            "Status": 3,
            "Property": 0,
            "FormatProgress": 20,
            "AddressType": 0,
            "IPAddress": "192.168.100.30",
            "Path": "/volume2/123456",
            "UsageType": 0,
            "GroupID": "1"
        }
    ]
  }
 }
}
```


6.5.2 Planning

6.5.2.1 Get Recording Plan For Specified Video Input Channel

6.5.2.1.1 Overview

Names	Description
Interface description	Get Recording Plan For Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record
Interface request method	GET
How to submit data	application/json

6.5.2.1.2 URL Description

None

6.5.2.1.3 Request Parameters

None

6.5.2.1.4 Example for Request Parameters

None

6.5.2.1.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Plan to enable 0: Disable 1: enabled
++RecordRule	object	body	true	Video planning rules
+++PreRecordTime	integer	body	true	Pre-recording time before police The unit is seconds and the range is 0,5,10,20,30,60 0:0s 5:5s

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Parameter Name	Parameter type	Parameter position	Required	Description
				10:10 s 20:20s 30:30 s 60:60s
+++PostRecordTime	integer	body	true	Post police video time In seconds, range: 5,10,30,60,120,300,600 5:5s 10:10s 30:30 s 60:60s 120:120s 300:300s 600:600s
++WeekPlan	object	body	false	Plan a schedule
+++Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
+++Num	integer	body	true	Plan days Max. 7 (seven days a week)
+++Days	object[]	body	true	List of Monitor Plans for each day of the week
++++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
++++Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
++++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
+++++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
+++++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.5.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
```

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```
        "RecordRule": {
          "PreRecordTime": 10,
          "PostRecordTime": 10
        },
        "WeekPlan": {
          "Enabled": 1,
          "Num": 7,
          "Days": [
            {
              "ID": 1,
              "Num": 8,
              "TimeSectionInfos": [
                {
                  "Begin": "00:00:00",
                  "End": "24:00:00"
                }
              ]
            }
          ]
        }
      }
    }
}
```

6.5.2.2 Set Recording Plan For Specified Video Input Channel

6.5.2.2.1 Overview

Names	Description
Interface description	Set Recording Plan For Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record
Interface request method	PUT
How to submit data	application/json

6.5.2.2.2 URL Description

None

6.5.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Enabled	integer	body	true	Plan to enable 0: Disable 1: enabled
RecordRule	object	body	true	Video planning Rules
+PreRecordTime	integer	body	true	Pre-recording time before police The unit is seconds and the range is 0,5,10,20,30,60 0:0s

Parameter Name	Parameter type	Parameter position	Required	Description
				5:5s 10:10s 20:20s 30:30 s 60:60s
+PostRecordTime	integer	body	true	Post police video time The value ranges from 5,10,30,60,120,300,600 seconds 5:5s 10:10s 30:30 s 60:60s 120:120s 300:300s 600:600s
WeekPlan	object	body	false	Plan a schedule
+Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
+Num	integer	body	true	Plan days Max. 7 (seven days a week)
+Days	object[]	body	true	List of Monitor Plans for each day of the week
++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
++Num	integer	body	true	Number of time slots per day The maximum IPC size is 4 segments
++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
+++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
+++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.5.2.2.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "RecordRule": {
    "PreRecordTime": 10,
    "PostRecordTime": 10
  },
  "WeekPlan": {
    "Enabled": 1,
```

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```
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00 ",
              "End": "24:00:00"
            }
          ]
        }
      ]
    }
}
```

6.5.2.2.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.5.2.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Storage/Schedule/Record",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.6 Media

6.6.1 Abilities

6.6.1.1 Get The Media Capabilities Of The Device

6.6.1.1.1 Overview

Names	Description
Interface description	Get The Media Capabilities Of The Device
Interface version	V1.0
Interface address	/LAPI/V1.0/Media/Capabilities
Interface request method	GET
How to submit data	application/json

6.6.1.1.2 URL Description

None

6.6.1.1.3 Request Parameters

None

6.6.1.1.4 Example for Request Parameters

None

6.6.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportWatermark	integer	body	true	Whether video watermarking is supported 0: No 1: Supported
++CDNTypeNum	integer<uint32>	body	true	Number of CDN types supported Value range: [0,]
++SupportCDNTypeList	integer<uint32>[]	body	false	List of supported CDN types This parameter is mandatory when CDNTypeNum is not 0 0: Tencent Cloud 1: Alibaba Cloud

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Parameter names	Parameter type	Parameter location	Required	Description
++SupportMultiviewCalibration	integer	body	false	Whether to support multi-mesh stitching calibration, device support is carried Some devices do not support this field 0: This field is not supported 1: Supported
++SpeedList	integer	body	false	Supported playback double speed Some devices do not support this field
++ScaleLevel	integer<uint32>	body	false	Supported pull-speed threshold The speed greater than or equal to this critical value supports pumping frame If this field is not included, frame extraction is not supported Some devices do not support this field

6.6.1.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Media/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportWatermark": 1,
      "CDNTypeNum": 1,
      "SupportCDNTypeList": [
        1
      ],
      "SupportMultiviewCalibration": 1,
      "SpeedList": 0,
      "ScaleLevel": 0
    }
  }
}
```

6.6.1.2 Query The Video Capability Of A Specified Video Input Channel

6.6.1.2.1 Overview

Names	Description
Interface description	Query The Video Capability Of A Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Capabilities
Interface request method	GET
How to submit data	application/json

6.6.1.2.2 URL Description

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None

6.6.1.2.3 Request Parameters

None

6.6.1.2.4 Example for Request Parameters

None

6.6.1.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether configuration is supported 0: Not supported 1: Supported
++IsSupportSmoothLevel	integer	body	true	Whether stream smoothing is supported 0: No 1: Supported
++IsSupportImageFormat	integer	body	true	Whether the image format is configurable 0: Not supported 1: Supported
++IsSupportScrambled	integer	body	true	Whether stream scrambling is supported 0: No 1: Supported
++EncodeFormatNum	integer	body	true	Number of supported video encoding formats
++EncodeFormatList	integer[]	body	false	Supported video encoding formats 0: MJPEG 1: H.264 2: H.265
++MinIFrameInterval	integer	body	true	Minimum supported I-frame interval
++MaxIFrameInterval	integer	body	true	Maximum supported I-frame interval
++EncodeCapability	integer	body	false	Channel H264 coding capability Under this channel, the total coding capacity of all streams must not exceed the coding capacity of this channel

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Parameter names	Parameter type	Parameter location	Required	Description
				The encoding capacity occupied by each stream is calculated as INT(wide +15)/16 * INT(high +15)/16 * frame rate. Take the main stream 1280*720@30, the secondary stream 720*576@30, and the third stream 352*288@30 as an example: (INT(1280+15)/16 * INT(720+15)/16 * 30) + (INT(720+15)/16 * INT(576+15)/16 * 30) + (INT(352+15)/16 * INT(288+15)/16 * 30) = 168480 INT() means round
++StreamCapabilityNum	integer	body	true	Number of supported streams
++StreamCapabilityList	object[]	body	false	List of supported streaming capabilities
+++ID	integer	body	true	Stream index Value range: [0, 2] 0: indicates the primary stream 1: secondary stream 2: Third stream
+++ResolutionNum	integer	body	true	Number of supported resolutions
+++ResolutionCapabilityList	object[]	body	true	Resolution specific Information
++++Width	integer	body	true	Image width
++++Height	integer	body	true	Image height
++++MinBitRate	integer	body	true	Minimum bit rate
++++MaxBitRate	integer	body	true	Maximum bit rate
+++MaxFrameRate	integer	body	false	Maximum frame rate of the current stream
+++MaxMJPEGFrameRate	integer	body	false	Current stream MJPEG maximum frame rate
+++SmartEncode	object	body	true	Image extended encoding mode
++++H264SmartEncodeModeNum	integer	body	true	Number of supported H.264 image intelligent encoding modes
++++H264SmartEncodeModeList	integer[]	body	true	H264 Image Extended encoding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)
++++H265SmartEncodeModeNum	integer	body	true	Number of H.265 image intelligent encoding modes supported
++++H265SmartEncodeModeList	integer[]	body	true	H265 Image Extended encoding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)
++VideoModeNum	integer	body	true	Number of supported video formats
++VideoModeInfoList	object[]	body	false	List of video format abilities

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Parameter names	Parameter type	Parameter location	Required	Description
+++Resolution	object	body	true	Collection resolution
++++Width	integer	body	true	Image width
++++Height	integer	body	true	Image height
+++FrameRate	integer	body	true	Capture frame rate
++GOPTypeNum	integer	body	true	Number of GOP types supported
++GOPTypeList	integer[]	body	true	List of supported GOP types 0: IP 1: IBP 2: IBBP 3: I

6.6.1.2.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 1,
      "IsSupportSmoothLevel": 0,
      "IsSupportImageFormat": 0,
      "IsSupportScrambled": 0,
      "EncodeFormatNum": 0,
      "EncodeFormatList": [
        0
      ],
      "MinIFrameInterval": 5,
      "MaxIFrameInterval": 250,
      "EncodeCapability": 168480,
      "StreamCapabilityNum": 0,
      "StreamCapabilityList": [
        {
          "ID": 0,
          "ResolutionNum": 1,
          "ResolutionCapabilityList": [
            {
              "Width": 0,
              "Height": 1,
              "MinBitRate": 128,
              "MaxBitRate": 16384
            }
          ],
          "MaxFrameRate": 25,
          "MaxMJPEGFrameRate": 5,
          "SmartEncode": {
            "H264SmartEncodeModeNum": 0,
            "H264SmartEncodeModeList": [
              0
            ],
            "H265SmartEncodeModeNum": 2,
```

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```
                "H265SmartEncodeModeList": [
                  0
                ]
              }
            }
          ],
          "VideoModeNum": 0,
          "VideoModeInfoList": [
            {
              "Resolution": {
                "Width": 1920,
                "Height": 1080
              },
              "FrameRate": 25
            }
          ],
          "GOPTypeNum": 0,
          "GOPTypeList": [
            0
          ]
        }
      }
}
```


6.6.1.3 Query The Audio Capability Of A Specified Video Input Channel

6.6.1.3.1 Overview

Names	Description
Interface description	Query The Audio Capability Of A Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Audio/Capabilities
Interface request method	GET
How to submit data	application/json

6.6.1.3.2 URL Description

None

6.6.1.3.3 Request Parameters

None

6.6.1.3.4 Example for Request Parameters

None

6.6.1.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++AudioInNum	integer	body	true	Number of supported audio port inputs
++AudioInModeInfoList	object[]	body	false	List of audio port input modes
+++Channel	integer	body	true	Audio channel number
+++ModeNum	integer	body	true	Number of audio modes
+++ModeList	integer[]	body	false	Supported audio input channel mode, ModeNum is optional if the value is 0 0: LINE 1: MIC 2: RS485 digital pickup 3: Speaker mode
++AudioInEncodeFormatNum	integer	body	true	Number of supported audio input encoding formats
++AudioInEncodeFormatInfoList	object[]	body	false	List of supported audio input encoding formats
+++Type	integer	body	true	Audio encoding format type Value range: [0, 6] 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC 7: PCM 8: G726 9: MP2L2 10: G7221 11: MP3
+++Num	integer	body	true	Number of supported sample rates
+++SampleList	integer[]	body	true	List of sampling rates 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ

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Parameter name	Parameter type	Parameter location	Required	Description
				7:96KHZ
++SerialInNum	integer	body	true	Number of supported serial port inputs for external digital pickups
++SerialInModeInfoList	object[]	body	false	Serial input mode list
+++Channel	integer	body	true	Audio channel number
+++ModeNum	integer	body	true	Number of audio modes
+++ModeList	integer[]	body	false	Supported audio input channel mode, ModeNum is optional if the value is 0 0: LINE 1: MIC 2: RS485 digital pickup 3: Speaker mode
++SerialInEncodeFormatNum	integer	body	true	Number of supported serial port inputs
++SerialInEncodeFormatInfoList	object[]	body	true	Serial port Enter a list of supported encoding formats
+++Type	integer	body	true	Audio encoding format type Value range: [0, 6] 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC 7: PCM 8: G726 9: MP2L2 10: G7221 11: MP3
+++Num	integer	body	true	Number of supported sample rates
+++SampleList	integer[]	body	true	List of sampling rates 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
++AudioOutTypeNum	integer	body	true	Number of supported audio output device types If the value of this field is 0, the audio output parameters are not supported
++AudioOutTypeInfoList	integer[]	body	false	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup 3: Speaker

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Parameter name	Parameter type	Parameter location	Required	Description
				4: RCA Lotus Interface
++SupportAudioOutGain	integer	body	false	Whether the device supports audio gain configurable If this field is not carried, the capability is not supported 0: Not supported 1: Supported
++SupportAlarmAudioOutGain	integer	body	false	Whether the device supports alarm output gain is configurable Device support is carried (support the field that audio output gain can be configured separately) 0: Not supported 1: Supported

6.6.1.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Audio/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "AudioInNum": 1,
      "AudioInModeInfoList": [
        {
          "Channel": 1,
          "ModeNum": 1,
          "ModeList": [
            0
          ]
        }
      ],
      "AudioInEncodeFormatNum": 1,
      "AudioInEncodeFormatInfoList": [
        {
          "Type": 2,
          "Num": 1,
          "SampleList": [
            0
          ]
        }
      ],
      "SerialInNum": 1,
      "SerialInModeInfoList": [
        {
          "Channel": 1,
          "ModeNum": 1,
          "ModeList": [
            0
          ]
        }
      ],
      "SerialInEncodeFormatNum": 1,
      "SerialInEncodeFormatInfoList": [
        {
          "Type": 2,
```


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```
                "Num": 1,
                "SampleList": [
                    0
                ]
            }
        ],
        "AudioOutTypeNum": 1,
        "AudioOutTypeInfoList": [
            0
        ],
        "SupportAudioOutGain": 1,
        "SupportAlarmAudioOutGain": 1
    }
  }
}
```

6.6.1.4 Query The Snapshot Capability Of A Specified Video Input Channel

6.6.1.4.1 Overview

Names	Description
Interface description	Query The Snapshot Capability Of A Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Snapshot "Capabilities
Interface request method	GET
How to submit data	application/json

6.6.1.4.2 URL Description

None

6.6.1.4.3 Request Parameters

None

6.6.1.4.4 Example for Request Parameters

None

6.6.1.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++SupportSnapshotCfg	integer	body	true	Whether the device supports capture is configurable 0: No 1: Supported
++PictureMaxSize	integer<uint32>	body	true	Capture the maximum size of the picture supported
++ResolutionNum	integer<uint32>	body	true	Number of supported resolutions
++ResolutionCapability List	object[]	body	false	List of supported capture resolution Information This object is optional if ResolutionNum is 0
+++Width	integer	body	true	Image width
+++Height	integer	body	true	Image height
++SupportPlanSnapshotCfg	integer	body	false	Whether the device supports the planned capture configuration 0: No 1: Supported

6.6.1.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Snapshot" Capabilities ",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "SupportSnapshotCfg": 1,
      "PictureMaxSize": 800,
      "ResolutionNum": 4,
      "ResolutionCapabilityList": [
        {
          "Width": 0,
          "Height": 1
        }
      ],
      "SupportPlanSnapshotCfg": 1
    }
  }
}
```

6.6.2 Video

6.6.2.1 Query The Information Of All Video Streams From The Specified Video Input Channel

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6.6.2.1.1 Overview

Names	Description
Interface description	Query The Tnformation Of All Video Streams From The Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Interface request method	GET
How to submit data	application/json

6.6.2.1.2 URL Description

None

6.6.2.1.3 Request Parameters

None

6.6.2.1.4 Example for Request Parameters

None

6.6.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of video streams
++VideoStreamInfos	object[]	body	false	List of video stream Information This object is optional when Num is 0
+++ID	integer	body	true	Video stream index number 0: primary stream 1: secondary stream 2: Third stream
+++Enabled	integer	body	true	Whether encoding is enabled for the video stream 0: Disable 1: Enabled

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Parameter names	Parameter type	Parameter location	Required	Description
+++VideoEncodeInfo	object	body	true	Video encoding parameter Information
++++EncodeFormat	integer	body	true	Video encoding format Information 0: MJPEG 1: H.264 2: H.265
++++Resolution	object	body	true	Resolution
+++++Width	integer	body	true	Image width
+++++Height	integer	body	true	Image height
++++BitRate	integer	body	true	Bit Rate
++++BitRateType	integer	body	true	Rate type 0: CBR 1: VBR
++++FrameRate	integer	body	true	Frame Rate
++++GOPType	integer	body	false	GOP mode 0: IP 1: IBP 2: IBBP 3: I
++++IFrameInterval	integer	body	true	I-frame spacing The range is based on ability
++++ImageQuality	integer	body	false	Image quality Range: [1, 9], with 9 representing the highest image quality BitrateType must be VBR for this field to be valid, otherwise not valid If it is invalid, this field is not included
++++SmoothLevel	integer	body	true	Stream smoothing rating Range: [1, 9], with 1 representing the lowest level of smoothness
++++SVCMode	integer	body	false	SVC configuration 0: Off 1: On
++++SmartEncodeMode	integer	body	true	Smart coding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)

6.6.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

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```
    "Data": {
      "Num": 1,
      "VideoStreamInfos": [
        {
          "ID": 0,
          "Enabled": 1,
          "VideoEncodeInfo": {
            "EncodeFormat": 2,
            "Resolution": {
              "Width": 1920,
              "Height": 1080
            },
            "BitRate": 4096,
            "BitRateType": 0,
            "FrameRate": 25,
            "GOPType": 0,
            "IFrameInterval": 50,
            "ImageQuality": 9,
            "SmoothLevel": 5,
            "SVCMode": 0,
            "SmartEncodeMode": 2
          }
        }
      ]
    }
  }
}
```


6.6.2.2 Set The Tnformation Of All Video Streams From The Specified Video Input Channel

6.6.2.2.1 Overview

Names	Description
Interface description	Set The Tnformation Of All Video Streams From The Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos
Interface request method	PUT
How to submit data	application/json

6.6.2.2.2 URL Description

None

6.6.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of video streams
VideoStreamInfos	object[]	body	false	Video stream Information list This object is optional when Num is 0

Parameter Name	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Video stream index number 0: primary stream 1: secondary stream 2: Third stream
+Enabled	integer	body	true	Whether encoding is enabled for the video stream 0: Disable 1: Enable
+VideoEncodeInfo	object	body	true	Video encoding parameter Information
++EncodeFormat	integer	body	true	Video encoding format Information 0: MJPEG 1: H.264 2: H.265
++Resolution	object	body	true	Resolution
+++Width	integer	body	true	Image width
+++Height	integer	body	true	Image height
++BitRate	integer	body	true	Bit Rate
++BitRateType	integer	body	true	Rate type 0: CBR 1: VBR
++FrameRate	integer	body	true	Frame Rate
++GOPType	integer	body	false	GOP mode 0: IP 1: IBP 2: IBBP 3: I
++IFrameInterval	integer	body	true	I-frame spacing Range based on ability
++ImageQuality	integer	body	false	Image quality Range: [1, 9], with 9 representing the highest image quality BitrateType must be VBR for this field to be valid, otherwise not valid If it is invalid, this field is not included
++SmoothLevel	integer	body	true	Stream smoothing rating Range: [1, 9], with 1 representing the lowest level of smoothness
++SVCMode	integer	body	false	SVC configuration 0: Off 1: On
++SmartEncodeMode	integer	body	true	Smart coding mode 0: off(off) 1: Basic(Basic Intelligent Coding Mode) 2: Advanced(Advanced Intelligent Coding mode)

6.6.2.2.4 Example for Request Parameters

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```
{
  "Num": 1,
  "VideoStreamInfos": [
    {
      "ID": 0,
      "Enabled": 1,
      "VideoEncodeInfo": {
        "EncodeFormat": 2,
        "Resolution": {
          "Width": 1920,
          "Height": 1080
        },
        "BitRate": 4096,
        "BitRateType": 0,
        "FrameRate": 25,
        "GOPType": 0,
        "IFrameInterval": 50,
        "ImageQuality": 9,
        "SmoothLevel": 5,
        "SVCMode": 0,
        "SmartEncodeMode": 2
      }
    }
  ]
}
```

6.6.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.2.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/DetailInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.6.2.3 Query Image Acquisition Format

6.6.2.3.1 Overview

Names	Description
Interface description	Query Image Acquisition Format
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Mode
Interface request method	GET
How to submit data	application/json

6.6.2.3.2 URL Description

None

6.6.2.3.3 Request Parameters

None

6.6.2.3.4 Example for Request Parameters

None

6.6.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Resolution	object	body	true	Collection resolution
+++Width	integer	body	true	Image width
+++Height	integer	body	true	Image height
++FrameRate	integer	body	true	Capture frame rate

6.6.2.3.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Mode".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Resolution": {
        "Width": 1920,
        "Height": 1080
      },
      "FrameRate": 25
    }
  }
}
```

6.6.2.4 Set Image Acquisition Format

6.6.2.4.1 Overview

Names	Description
Interface description	Set Image Acquisition Format
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Mode
Interface request method	PUT
How to submit data	application/json

6.6.2.4.2 URL Description

None

6.6.2.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Resolution	object	body	true	Collection resolution
+Width	integer	body	true	Image width
+Height	integer	body	true	Image height
FrameRate	integer	body	true	Capture frame rate

6.6.2.4.4 Example for Request Parameters

```
{
  "Resolution": {
    "Width": 1920,
    "Height": 1080
  },
  "FrameRate": 25
```

```
}
```

6.6.2.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.2.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Mode".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.6.3 Audio

6.6.3.1 Query Audio Input Parameters

6.6.3.1.1 Overview

Names	Description
Interface description	Query Audio Input Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Media/Audio/Input
Interface request method	GET
How to submit data	application/json

6.6.3.1.2 URL Description

None

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6.6.3.1.3 Request Parameters

None

6.6.3.1.4 Example for Request Parameters

None

6.6.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsMute	integer	body	true	Mute or not 0: not mute 1: Silent
++Type	integer	body	true	Capture port type 0: Audio input port 1: serial port
++EncodeFormat	integer	body	true	Audio encoding format 0: MPEG1 1: G.711A 2: G.711U 3: ADPCM 4: OGG 5: Auto 6: AAC-LC
++SampleRate	integer	body	true	Audio sampling rate 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
++InputGain	integer	body	true	Audio gain Range: [0, 255]
++NoiseReduction	object	body	true	Noise reduction Information
+++Enabled	integer	body	true	Whether noise cancellation is enabled 0: Disabled

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Parameter names	Parameter type	Parameter location	Required	Description
				1: Enabled
+++Mode	integer	body	false	Reserve fields
+++Strength	integer	body	false	Reserve fields
++AudioInputNum	integer	body	true	Number of audio inputs
++AudioInputList	object[]	body	false	Audio input capture Information This parameter is mandatory when Type is 0
+++ID	integer	body	true	Audio channel number Channel number starts at 1
+++Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+++Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup
++SerialInputNum	integer	body	true	Serial port input quantity
++SerialIInputList	object[]	body	true	Serial port audio capture Information
+++ID	integer	body	true	Audio channel number Channel number starts at 1
+++Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+++Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup

6.6.3.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Media/Audio/Input",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsMute": 0,
      "Type": 0,
      "EncodeFormat": 2,
      "SampleRate": 0,
      "InputGain": 128,
      "NoiseReduction": {
        "Enabled": 0,
        "Mode": 0,
        "Strength": 0
```


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```
        },
        "AudioInputNum": 1,
        "AudioInputList": [
          {
            "ID": 1,
            "Enabled": 1,
            "Mode": 0
          }
        ],
        "SerialInputNum": 1,
        "SerialIInputList": [
          {
            "ID": 1,
            "Enabled": 1,
            "Mode": 0
          }
        ]
      }
    }
}
```

6.6.3.2 Set Audio Input Parameters

6.6.3.2.1 Overview

Names	Description
Interface description	Set Audio Input Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Media/Audio/Input
Interface request method	PUT
How to submit data	application/json

6.6.3.2.2 URL Description

None

6.6.3.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
IsMute	integer	body	true	Mute or not 0: Unmuted 1: Silent
Type	integer	body	true	Capture port type 0: Audio input port 1: serial port
EncodeFormat	integer	body	true	Audio encoding format 0: MPEG1 1: G.711A 2: G.711U

Parameter names	Parameter type	Parameter location	Required	Description
				3: ADPCM 4: OGG 5: Auto 6: AAC-LC
SampleRate	integer	body	true	Audio sampling rate 0:8 KHz 1:16 KHZ 2:22.05KHZ 3:24 KHZ 4:32 KHZ 5:44.1KHZ 6:48 KHZ 7:96KHZ
InputGain	integer	body	true	Audio gain Range: [0, 255]
NoiseReduction	object	body	true	Noise reduction Information
+Enabled	integer	body	true	Whether noise cancellation is enabled 0: Disabled 1: Enabled
+Mode	integer	body	false	Reserve fields
+Strength	integer	body	false	Reserve fields
AudioInputNum	integer	body	true	Number of audio inputs
AudioInputList	object[]	body	false	Audio input capture Information This parameter is mandatory when Type is 0
+ID	integer	body	true	Audio channel number Channel number starts at 1
+Enabled	integer	body	true	Whether the audio input channel is started 0: does not start 1: Start
+Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup
SerialInputNum	integer	body	true	Serial port input quantity
SerialIInputList	object[]	body	true	Serial port audio capture Information
+ID	integer	body	true	Audio channel number Channel number starts at 1
+Enabled	integer	body	true	Whether the audio input channel is started 0: Does not start 1: Start
+Mode	integer	body	true	Audio input channel mode 0: LINE 1: MIC 2: RS485 digital pickup

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6.6.3.2.4 Example for Request Parameters

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```
{
   "IsMute": 0,
   "Type": 0,
   "EncodeFormat": 2,
   "SampleRate": 0,
   "InputGain": 128,
   "NoiseReduction": {
      "Enabled": 0,
      "Mode": 0,
      "Strength": 0
   },
   "AudioInputNum": 1,
   "AudioInputList": [
      {
         "ID": 1,
         "Enabled": 1,
         "Mode": 0
      }
   ],
   "SerialInputNum": 1,
   "SerialIInputList": [
      {
         "ID": 1,
         "Enabled": 1,
         "Mode": 0
      }
   ]
}
```

6.6.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.3.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Media/Audio/Input",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
```

```
    "Data": null
  }
}
```

6.6.3.3 Get Audio Output Parameters

6.6.3.3.1 Overview

Names	Description
Interface description	Get Audio Output Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Media/Audio/Output
Interface request method	GET
How to submit data	application/json

6.6.3.3.2 URL Description

None

6.6.3.3.3 Request Parameters

None

6.6.3.3.4 Example for Request Parameters

None

6.6.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Type	integer	body	true	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup 3: SpeaKer

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Parameter names	Parameter type	Parameter position	Required	Description
				4: RCA Lotus Interface
++Gain	integer	body	true	Audio output gain Value range: [0, 255]
++AlarmGain	integer	body	true	Audio alert output gain Value range: [0, 255]

6.6.3.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Media/Audio/Output",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Type": 0,
      "Gain": 242,
      "AlarmGain": 255
    }
  }
}
```

6.6.3.4 Set Audio Output Parameters

6.6.3.4.1 Overview

Names	Description
Interface description	Set Audio Output Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Media/Audio/Output
Interface request method	PUT
How to submit data	application/json

6.6.3.4.2 URL Description

None

6.6.3.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Audio output device type 0: LINE 1: MIC 2: RS485 digital pickup

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Parameter names	Parameter type	Parameter location	Required	Description
				3: SpeaKer 4: RCA Lotus Interface
Gain	integer	body	true	Audio output gain Value range: [0, 255]
AlarmGain	integer	body	true	Audio alert output gain Value range: [0, 255]

6.6.3.4.4 Example for Request Parameters

```
{
   "Type": 0,
   "Gain": 242,
   "AlarmGain": 255
}
```

6.6.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.3.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Media/Audio/Output",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.6.4 Audio Files

6.6.4.1 Importing audio files

6.6.4.1.1 Overview

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Names	Description
Interface Description	Importing Audio Files
interface version	V1.0
interface address	/LAPI/V1.0/System/AudioFile
interface request method	POST
How to submit data	application/json

6.6.4.1.2 URL Description

None

6.6.4.1.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
FileName	file	body	true	audio file (computer) Content-Type: application/octet-stream
test.pcm	string	body	false	Audio File Type 1: Fall alarm voice 2: Sedentary reminder voice Content-Type: text/JSON

6.6.4.1.4 Examples of Request Parameters

None

6.6.4.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing
+StatusCode	integer	body	true	status code

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results

6.6.4.1.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL":"/LAPI/V1.0/System/AudioFile",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed".
    "Data": {}
  }
}
```

6.6.4.2 Deleting audio files

6.6.4.2.1 Overview

Names	Description
Interface Description	Deletes the specified audio file
interface version	V1.0
interface address	/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>
interface request method	DELETE
How to submit data	application/json

6.6.4.2.2 URL Description

None

6.6.4.2.3 Request Parameters

None

6.6.4.2.4 Examples of Request Parameters

None

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6.6.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing
+StatusCode	integer	body	true	status code
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results

6.6.4.2.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed".
    "Data": {}
  }
}
```

6.6.4.3 Modifying specified audio file information

6.6.4.3.1 Overview

Names	Description
Interface Description	Modify the information of the specified audio file
interface version	V1.0
interface address	/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>
interface request method	PUT

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Names	Description
How to submit data	application/json

6.6.4.3.2 URL Description

None

6.6.4.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
FileName	string	body	true	Audio file name, range: [1, 128] bytes

6.6.4.3.4 Examples of Request Parameters

```
{
  "FileName": "AudioFile"
}
```

6.6.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing
+StatusCode	integer	body	true	status code
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results

6.6.4.3.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

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```
    "StatusString": "Succeed".
    "Data": {}
  }
}
```

6.6.4.4 Querying information about all audio files

6.6.4.4.1 Overview

Names	Description
Interface Description	Query audio file list information
interface version	V1.0
interface address	/LAPI/V1.0/System/AudioFile/Info
interface request method	GET
How to submit data	application/json

6.6.4.4.2 URL Description

None

6.6.4.4.3 Request Parameters

None

6.6.4.4.4 Examples of Request Parameters

None

6.6.4.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	status code
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of documents
++FileInfoList	object	body	true	File information list, this field is optional when Num is 0
+++ID	integer	body	true	Audio file ID: used to identify different audio files
+++Status	integer	body	true	Audio file status 0: Not enabled 1: Enable
+++InstallType	integer	body	true	mounted 0: Built-in (audio alarm file built into the device) 1: External (audio files imported by the user)
+++FileName	string	body	true	Audio file name Up to 256 bytes This field is required to get information about the audio alarm file.
++MaxNum	integer	body	false	Maximum number of documents Supported by IPSPeak only
++AudioFileCapacity	integer	body	false	Total audio file size in KB Supported by IPSPeak only
++AudioFileFreeCapacity	integer	body	false	Remaining capacity of the audio file in KB Supported by IPSPeak only

6.6.4.4.6 Examples of Return Parameters


```
{
  "Response": {
    "ResponseURL":"/LAPI/V1.0/System/AudioFile/Info",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed".
    "Data": {
      "Num": 14.
      "FileInfoList": [
        {
          "ID": 0,
          "Status": 0,
          "InstallType": 0,
          "FileName": "Alert area, leave as soon as possible.pcm"
        }, }
        {
          "ID": 1,
          "Status": 0,
          "InstallType": 0,
```


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```
    "FileName": "Dangerous area, stay away.pcm"
  }, }
  {
    "ID": 2,
    "Status": 0,
    "InstallType": 0,
    "FileName": "Monitoring area, please note.pcm"
  }, }
  {
    "ID": 3.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Warning, no parking in this area.pcm"
  }, }
  {
    "ID": 4.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Important place, leave as soon as possible.pcm"
  }, }
  {
    "ID": 5.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Private area, no entry.pcm"
  }, }
  {
    "ID": 6.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Dangerous depths, be safe.pcm"
  }, }
  {
    "ID": 7.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Dangerous heights, do not climb.pcm"
  }, }
  {
    "ID": 8.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Hello and welcome.pcm"
  }, }
  {
    "ID": 9.
    "Status": 0,
    "InstallType": 0,
    "FileName": "warning.pcm"
  }, }
  {
    "ID": 20.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Area is crowded, please evacuate.pcm"
  }, }
  {
    "ID": 21.
    "Status": 0,
    "InstallType": 0,
    "FileName": "Do not enter, maximum number of people staying.pcm"
  }, }
  {
```

```
            "ID": 100.
            "Status": 0,
            "InstallType": 1,
            "FileName": "1.wav"
          }, }
          {
            "ID": 101.
            "Status": 0,
            "InstallType": 1,
            "FileName": "2.wav"
          }
        ]
      }
    }
}
```

6.6.4.5 Specifying Audio File Playback

6.6.4.5.1 Overview

Names	Description
Interface Description	Manual playback of specified alert audio
interface version	V1.0
interface address	/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>/Play
interface request method	PUT
How to submit data	application/json

6.6.4.5.2 URL Description

None

6.6.4.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Action	integer	body	true	Audio Trigger Action 0: Elimination 1: Trigger
Count	integer	body	true	Number of times audio is played, must be carried if Action is 1

6.6.4.5.4 Examples of Request Parameters

```
{
```

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```
  "Action": 1.
  "Count": 10
}
```

6.6.4.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	The URL carried by the HTTP request message
+CreatedID	integer	body	false	POST method, ID of the array object created, -1 if not used.
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	System Processing Sub-Results. 0 indicates success
+ResponseString	string	body	true	Analysis of the results of system processing
+StatusCode	integer	body	true	status code
+StatusString	string	body	true	Parsing results corresponding to the status code
+Data	object	body	true	Response results

6.6.4.5.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/System/AudioFile/<ID>/Play",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed".
    "Data": {}
  }
}
```

6.6.5 Live

6.6.5.1 Get The Live URL Of A Video Stream On The Specified Video Channel

6.6.5.1.1 Overview

Names	Description
Interface description	Get The Live URL Of A Video Stream On The Specified Video Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL

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Names	Description
Interface request method	GET
How to submit data	application/json

6.6.5.1.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
Channels/<ID>	integer	true	0	Channel index number, numbered from 0
Streams/<ID>	integer	true	1	Video stream index number, numbered from 0

6.6.5.1.3 Request Parameters

None

6.6.5.1.4 Example for Request Parameters

None

6.6.5.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++URL	string	body	true	The live stream URL corresponding to the specified video stream

6.6.5.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/LiveStreamURL",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "URL": "RTSP://192.168.0.13:554/media/video1"
```

```
    }
  }
}
```

6.6.6 Voice Intercom

6.6.6.1 Get The Audio URL Of The Voice Intercom For The Specified Video Channel

6.6.6.1.1 Overview

Names	Description
Interface description	The caller Gets the audio stream related to the voice intercom through the RTSP protocol after Get the URL
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Talk
Interface request method	GET
How to submit data	application/json

6.6.6.1.2 URL Description

None

6.6.6.1.3 Request Parameters

None

6.6.6.1.4 Example for Request Parameters

None

6.6.6.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

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Parameter names	Parameter type	Parameter location	Required	Description
++URL	string	body	true	Specify the live stream URL to which the audio stream corresponds

6.6.6.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/Talk",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "URL": "RTSP://192.160.1.22:554/media/video1"
    }
  }
}
```

6.6.7 OSD

6.6.7.1 Query The OSD Configuration Capability Of A Channel

6.6.7.1.1 Overview

Names	Description
Interface description	Query The OSD Configuration Capability Of A Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities
Interface request method	GET
How to submit data	application/json

6.6.7.1.2 URL Description

None

6.6.7.1.3 Request Parameters

None

6.6.7.1.4 Example for Request Parameters

None

6.6.7.1.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether configuration is supported 0: Not supported 1: Support
++SupportedOSDContentTypeNum	integer	body	true	Number of supported OSD content types
++SupportedOSDContentTypeList	integer[]	body	true	Supported configured OSD content types 0: Not used 1: Custom 2: Date and time 3: PTZ controller 4: PTZ coordinates 5: Cruise Information 6: Zooming Information 7: Preset Information 8: alarm Information 9: coded message 10: serial OSD 11: PTZ azimuth Information 13: Debug OSD 14: counts the OSD 15: OSD by network port 16: Time 17: Date 18: ESP OSD 19: Battery OSD 20: Rolling subtitle OSD 21: LOGO OSD 22: Traffic flow of Skynet bayonet 23: Tiannet bayonet non-motor vehicle flow 24: pedestrian flow at Tiannet bayonet 25: Number of INFOOSD types 26: ambient volume OSD 27: device latitude and longitude coordinates OSD 28: face, machine and non-human statistics OSD, Hybrid Detection use 29: menu OSD 30: face, machine non-human statistics OSD, traffic monitoring use 31: human traffic statistics OSD 32: OSD based on person density
++IsSupportFontSizeCfg	integer	body	true	Whether the OSD size configuration is supported 0: not supported 1: Supported

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Parameter names	Parameter type	Parameter location	Required	Description
++SupportedFontSizeNum	integer	body	true	Number of supported OSD font sizes
++SupportedFontSizeList	integer[]	body	true	Supported OSD font size 0: Very large (" Large "for some devices) 1: Large (some devices are "medium") 2: Medium (some devices are "small") 3: Small (some devices are "super large")
++SupportedFontStyleNum	integer	body	true	Number of supported OSD font forms
++SupportedFontStyleList	integer[]	body	true	Supported OSD font form 0: Background 1: Stroke 2: Hollow 3: Normal 4: Reverse color
++IsSupportFontColorCfg	integer	body	true	Whether OSD color configuration is supported 0: No 1: Supported
++MaxAreaNum	integer	body	true	The maximum number of OSD regions supported
++MaxOSDNum	integer	body	true	Supports a maximum number of OSD nodes
++MaxPerAreaOSDNum	integer	body	true	Each zone supports a maximum number of OSD nodes
++SupportedTimeFormatNum	integer	body	true	Number of supported time OSD formats
++SupportedTimeFormatList	integer[]	body	true	Time OSD format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: hh:mm:ss(common in Chinese (Taiwan)) 5: HH:mm:ss.xxx(millisecond time) 6: hh:mm:ss.xxx tt(ms time)
++SupportedDateFormatNum	integer	body	true	Number of supported date OSD formats
++SupportedDateFormatList	integer[]	body	true	Date OSD format MMMM is an abbreviation of the month, such as June; dddd stands for week 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 256: dd/MM/yyyy 257: MM/dd/yyyy 258: dd MMMM, yyyy 259: MMMM dd, yyyy

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Parameter names	Parameter type	Parameter location	Required	Description
				260: dddd, dd MMMM, yyyy 261: dddd, MMMM dd, yyyy 262: yyyy/MM/dd 263: yyyy, MMMM dd 264: dddd, yy, MM dd

6.6.7.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 0,
      "SupportedOSDContentTypeNum": 1,
      "SupportedOSDContentTypeList": [
        0
      ],
      "IsSupportFontSizeCfg": 0,
      "SupportedFontSizeNum": 1,
      "SupportedFontSizeList": [
        0
      ],
      "SupportedFontStyleNum": 1,
      "SupportedFontStyleList": [
        0
      ],
      "IsSupportFontColorCfg": 0,
      "MaxAreaNum": 8,
      "MaxOSDNum": 8,
      "MaxPerAreaOSDNum": 8,
      "SupportedTimeFormatNum": 1,
      "SupportedTimeFormatList": [
        0
      ],
      "SupportedDateFormatNum": 1,
      "SupportedDateFormatList": [
        0
      ]
    }
  }
}
```


6.6.7.2 Query The OSD Content Style For A Specified Channel

6.6.7.2.1 Overview

Names	Description
Interface description	Query The OSD Content Style For A Specified Channel
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Interface request method	GET
How to submit data	application/json

6.6.7.2.2 URL Description

None

6.6.7.2.3 Request Parameters

None

6.6.7.2.4 Example for Request Parameters

None

6.6.7.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FontStyle	integer	body	false	Font form 0: Background 1: Stroke 2: Hollow 3: Normal 4: Reverse color
++FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
++Color	integer	body	true	Colors An RGB color is calculated by combining the relative brightness of the three primary colors of red, green, and blue, and the value range of each primary color is 0-255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) +

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Parameter names	Parameter type	Parameter location	Required	Description
				50(32 for base 10) = 6706226 (which is actually the base 10 of #665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226
++DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy 3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 Example 103: DD MM YYY: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
++TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: afternoon hh:mm:ss(common in Chinese (Taiwan)) 5: HH:mm:ss.xxx(millisecond time) 6: hh:mm:ss.xxx tt(ms time)
++FontAlignList	integer[]	body	false	Align the font within the area and fix 8 areas 0: Align to the left 1: Align to the right
++Margin	integer	body	false	The number of characters with an empty edge 0: None 1: one character width 2: Two character widths

6.6.7.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "FontStyle": 3,
      "FontSize": 1,
      "Color": 0,
      "DateFormat": 0,
      "TimeFormat": 0,
      "FontAlignList": [
```

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```
            0
        ],
        "Margin": 2
    }
  }
}
```

6.6.7.3 Set The OSD Content Style For A Specified Channel

6.6.7.3.1 Overview

Names	Description
Interface description	Set The OSD Content Style For A Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle
Interface request method	PUT
How to submit data	application/json

6.6.7.3.2 URL Description

None

6.6.7.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
FontStyle	integer	body	false	Font form 0: Background 1: Stroke 2: Hollow 3: Normal 4: Reverse color
FontSize	integer	body	true	Font size 0: Extra large 1: Large 2: Medium 3: Small
Color	integer	body	true	Colors An RGB color is calculated by combining the relative brightness of the three primary colors of red, green, and blue, and the value range of each primary color is 0-255. Calculation formula: (65536*Red + 256*Green + Blue). To issue color #665432, To issue 65536 * 102(66 for base 10) + 256 * 84(54 for base 10) + 50(32 for base 10) = 6706226 (which is actually the base 10 of #665432) To issue RGB(102, 84, 50), Then send 65536 * 102 + 256 * 84 + 50 = 6706226
DateFormat	integer	body	true	Date format 0: yyyy-MM-dd 1: MM-dd-yyyy 2: dd day of the MM month of the year yyyy

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Parameter names	Parameter type	Parameter location	Required	Description
				3: MM month dd day yyyy year 4: Week X, MM month dd day of the year yyyy 5: MM month dd Day Week X of the year yyyy 100: DD/MM/YYY English 101: MM/DD/YYY American style 102: DD MM YYY Example: English 28 March, 2014 Example 103: DD MM YYY: American style March 28, 2014 104: XX DD MM YYY Example: British Thursday, 28 March, 2014 105: XX DD MM YYY Example: American Thursday, March 28, 2014 106: YYY/MM/DD 107: YYY MM DD Example: March 28, 2014 108: XX YYY MM DD example: Thursday, 2014 March 28
TimeFormat	integer	body	true	Time format 0: HH:mm:ss(common in China, USA, UK, etc.) 1: hh:mm:ss t.t.(Common in Spanish-speaking countries except Spain) 2: hh:mm:ss tt(common in English-speaking countries other than the United Kingdom) 3: tt hh:mm:ss(common in Chinese (Singapore)) 4: afternoon hh:mm:ss(common in Chinese (Taiwan)) 5: HH:mm:ss.xxx(millisecond time) 6: hh:mm:ss.xxx tt(ms time)
FontAlignList	integer[]	body	false	Align the font within the area and fix 8 areas 0: Align to the left 1: Align to the right
Margin	integer	body	false	The number of characters with empty edges 0: None 1: one character width 2: Two character widths

6.6.7.3.4 Example for Request Parameters

```
{
   "FontStyle": 3,
   "FontSize": 1,
   "Color": 0,
   "DateFormat": 0,
   "TimeFormat": 0,
   "FontAlignList": [
      0
   ],
   "Margin": 2
}
```

6.6.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.7.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/ContentStyle",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.6.7.4 Query OSD Centents

6.6.7.4.1 Overview

Names	Description
Interface description	Query OSD Centents
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents
Interface request method	GET
How to submit data	application/json

6.6.7.4.2 URL Description

None

6.6.7.4.3 Request Parameters

None

6.6.7.4.4 Example for Request Parameters

None

6.6.7.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of OSD content
++ContentList	object[]	body	false	OSD content Information list
+++ID	integer	body	false	OSD serial number Value range: [0, 7]
+++Enabled	integer	body	true	OSD Enable 0: disables 1: enabled
+++Num	integer	body	false	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set
+++ContentInfo	object[]	body	false	OSD content Information
++++ContentType	integer	body	true	OSD Content Type For details on the enumerated values, see 7.1.15 OSD Type
++++Value	string	body	false	OSD text Information
+++Area	object	body	false	OSD zone Information
++++TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
+++++X	integer	body	false	abscissa Value range: [0, 9999]
+++++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.6.7.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "ContentList": [
```

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```
            {
              "ID": 0,
              "Enabled": 1,
              "Num": 1,
              "ContentInfo": [
                {
                  "ContentType": 1,
                  "Value": "OSD text"
                }
              ],
              "Area": {
                "TopLeft": {
                  "X": 200,
                  "Y": 200
                }
              }
            }
          ]
        }
      }
    }
```

6.6.7.5 Set OSD Centents

6.6.7.5.1 Overview

Names	Description
Interface description	Set OSD Centents
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents
Interface request method	PUT
How to submit data	application/json

6.6.7.5.2 URL Description

None

6.6.7.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of OSD content
ContentList	object[]	body	false	OSD content Information list
+ID	integer	body	false	OSD serial number Value range: [0, 7]
+Enabled	integer	body	true	OSD Enable 0: disables 1: enabled

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Parameter names	Parameter type	Parameter location	Required	Description
+Num	integer	body	false	Number of OSD nodes in the zone Limited by MaxPerAreaOSDNum in the OSDCapabilities set
+ContentInfo	object[]	body	false	OSD content Information
++ContentType	integer	body	true	OSD Content Type For details on the enumerated values, see 7.1.15 OSD Type
++Value	string	body	false	OSD text Information
+Area	object	body	false	OSD zone Information
++TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
+++X	integer	body	false	abscissa Value range: [0, 9999]
+++Y	integer	body	false	Ordinate Value range: [0, 9999]

6.6.7.5.4 Example for Request Parameters

```
{
  "Num": 8,
  "ContentList": [
    {
      "ID": 0,
      "Enabled": 1,
      "Num": 1,
      "ContentInfo": [
        {
          "ContentType": 1,
          "Value": "OSD text"
        }
      ],
      "Area": {
        "TopLeft": {
          "X": 200,
          "Y": 200
        }
      }
    }
  ]
}
```

6.6.7.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.6.7.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Media/OSDs/Contents",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.6.8 Capture Image

6.6.8.1 Non-Preview Capture

6.6.8.1.1 Overview

Names	Description
Interface description	Non-preview capture operation interface, return picture data
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Media/Video/Streams/<ID>/Snapshot
Interface request method	GET
How to submit data	application/json

6.6.8.1.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
Streams/ID	integer	true	0	ID is the stream index (IPC capture resolution is determined by the capture configuration, this index does not take effect). 0: mainstream 1: secondary 2: third stream

6.6.8.1.3 Request Parameters

None

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6.6.8.1.4 Example for Request Parameters

None

6.6.8.1.5 Return Parameters

None

6.6.8.1.6 Example for Returning Parameters

None

6.7 Alarms

6.7.1 Capabilities

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6.7.1.1 Query Alarm Capability Information

6.7.1.1.1 Overview

Names	Description
Interface description	Query Alarm Capability Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities
Interface request method	GET
How to submit data	application/json

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6.7.1.1.2 URL Description

None

6.7.1.1.3 Request Parameters

None

6.7.1.1.4 Example for Request Parameters

None

6.7.1.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++MotionDetection	object	body	false	Motion detect ability Information
+++IsSupportCfg	integer	body	true	Whether to support assignable Default value: 1 0: Not supported 1: Supported
+++RectangleAreaNum	integer	body	true	Number of rectangular detection zones supported. This parameter is mandatory when rectangular zones are supported Value range: [1,] Default value: 4
+++BlockWidth	integer	body	true	Maximum macroblock width Value range: [1,]
+++BlockHeight	integer	body	true	Macroblock height Max Value range: [1,]
++TamperDetection	object	body	false	Block detection capability Information
+++IsSupportCfg	integer	body	true	Whether occlusion detection is supported Whether the access device supports configurable Default value: 1 0: Not supported 1: Supported
+++TamperRectangleAreaNum	integer	body	true	Number of areas that can be drawn by occlusion detection The current number is fixed at 1 Value range: [0,] Default value: 1
++AudioDetection	object	body	false	Audio detect capability Information
+++SupportCfg	integer	body	true	Whether audio detection is supported Default: 1 0: Not supported 1: Support
++HumanShapeDetection	object	body	false	Human detection ability Information
+++SupportCfg	integer	body	true	Whether to support Human detection Default: 1 0: Not supported 1: Supported
+++RectangleAreaNum	integer	body	true	Human detection Number of areas to draw Value range: [0,] Default value: 1

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Parameter names	Parameter type	Parameter location	Required	Description
+++CrossLineNum	integer	body	false	The number of areas that support Human detection can be drawn
+++SupportLinkageWeekPlanCfg	integer	body	true	Whether the added device supports the configuration of the defense linkage alarm plan (supported only by the module) 0: Not supported 1: Support
+++SupportDayNightCfg	integer	body	true	Whether the added device supports alarm scheduling in day/night mode 0: No 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item defense plan Some device models do not support this parameter
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration Default value: 1 0: Not supported 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration Default value: 1 0: Not supported 1: Supported
++ConflagrationDetection	object	body	false	Fire point detection capability Information
+++IsSupportCfg	integer	body	true	Whether Conflagration detection is supported Default value: 1 0: Not supported 1: Supported
++TemperatureDetection	object	body	false	Temperature detection alarm capability Information
+++SupportTypeNum	integer	body	true	Number of alarm types supported for temperature detection Value range: [1,] Default value: 1
+++TypeList	integer[]	body	true	List of temperature detection alarm types 0: Full-screen rule 1: Normal rule 2: Contrast rules 3: face temperature measurement rules
+++SupportUnitNum	integer	body	true	Number of temperature units supported Value range: [1,] Default value: 1
+++UnitList	integer[]	body	true	List of temperature units 0: degrees Celsius 1: degrees Fahrenheit
++SupportConflagration	integer	body	true	Whether the Conflagration detection function is supported 0: No 1: Supported Some device models do not support this parameter

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Parameter names	Parameter type	Parameter location	Required	Description
++SupportSmokingDetection	integer	body	true	Whether the smoking detection function is supported 0: No 1: Supported Some device models do not support this parameter

6.7.1.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "MotionDetection": {
        "IsSupportCfg": 1,
        "RectangleAreaNum": 4,
        "BlockWidth": 22,
        "BlockHeight": 18
      },
      "TamperDetection": {
        "IsSupportCfg": 1,
        "TamperRectangleAreaNum": 1
      },
      "AudioDetection": {
        "SupportCfg": 1
      },
      "HumanShapeDetection": {
        "SupportCfg": 0,
        "RectangleAreaNum": 0,
        "CrossLineNum": 0,
        "SupportLinkageWeekPlanCfg": 0,
        "SupportDayNightCfg": 0,
        "LinkagePlanCfg": {
          "SupportAudioLinkagePlan": 0,
          "SupportLightLinkagePlan": 0
        }
      },
      "ConflagrationDetection": {
        "IsSupportCfg": 1
      },
      "TemperatureDetection": {
        "SupportTypeNum": 1,
        "TypeList": [
          0
        ],
        "SupportUnitNum": 1,
        "UnitList": [
          0
        ]
      },
      "SupportConflagration": 0,
      "SupportSmokingDetection": 0
    }
  }
}
```


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6.7.2 Occlusion Detection

6.7.2.1 Query The Occlusion Detection Alarm Configuration

6.7.2.1.1 Overview

Names	Description
Interface description	Query the configuration of the occlusion detection alarm for a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Interface request method	GET
How to submit data	application/json

6.7.2.1.2 URL Description

None

6.7.2.1.3 Request Parameters

None

6.7.2.1.4 Example for Request Parameters

None

6.7.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch 0: Disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50

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Parameter names	Parameter type	Parameter location	Required	Description
++Duration	integer	body	true	Duration, in seconds

6.7.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "Sensitivity": 1,
      "Duration": 1
    }
  }
}
```

6.7.2.2 Configuring Occlusion Detection Alarms

6.7.2.2.1 Overview

Names	Description
Interface description	Set the configuration Information of the occlusion detection alarm for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.2.2.2 URL Description

None

6.7.2.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch 0: Disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
Duration	integer	body	true	Duration, in seconds

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6.7.2.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "Sensitivity": 1,
   "Duration": 1
}
```

6.7.2.2.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.2.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/Rule",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.7.2.3 Query The Occlusion Detection Alarm Linkage Configuration

6.7.2.3.1 Overview

Names	Description
Interface description	This interface is used to query the occlusion detection alarm linkage action of a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

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6.7.2.3.2 URL Description

None

6.7.2.3.3 Request Parameters

None

6.7.2.3.4 Example for Request Parameters

None

6.7.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report

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Parameter names	Parameter type	Parameter location	Required	Description
				19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.2.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.7.2.4 Set The Occlusion Detection Alarm Linkage

6.7.2.4.1 Overview

Names	Description
Interface description	This interface is used to set the occlusion detection alarm linkage action for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.7.2.4.2 URL Description

None

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6.7.2.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: uploads linkage snapshots to the FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.2.4.4 Example for Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.7.2.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.2.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.2.5 Query The Configuration Of The Occlusion Detection Alarm Monitor Plan

6.7.2.5.1 Overview

Names	Description
Interface description	This interface is used to query the occlusion detection alarm defense plan for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.7.2.5.2 URL Description

None

6.7.2.5.3 Request Parameters

None

6.7.2.5.4 Example for Request Parameters

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None

6.7.2.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time The format is hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.7.2.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.7.2.6 Configuring The Occlusion Detection Alarm Monitor Plan

6.7.2.6.1 Overview

Names	Description
Interface description	This interface is used to set the occlusion detection alarm defense plan for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.7.2.6.2 URL Description

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None

6.7.2.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Monitor type Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.7.2.6.4 Example for Request Parameters

```
{
  "Enabled": 1,
```

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```
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.7.2.6.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.2.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TamperDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.3 Audio Detection

6.7.3.1 Query The Alarm Configuration Of Audio Detection

6.7.3.1.1 Overview

Names	Description
Interface description	Query The Alarm Configuration Of Audio Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule
Interface request method	GET
How to submit data	application/json

6.7.3.1.2 URL Description

None

6.7.3.1.3 Request Parameters

None

6.7.3.1.4 Example for Request Parameters

None

6.7.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled
++DetectType	integer	body	true	Audio detection trigger type 0: Steep rise 1: steep descent 2: Sudden change 3: Threshold
++DiffValue	integer	body	false	Difference Used when the sound detection is a steep rise, steep fall, sudden change type, trigger alarm when the volume rises, steep fall, or sudden change exceeds the difference

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 400] Default value: 100
++Threshold	integer	body	false	Threshold Used when the sound detection is a threshold, when the volume exceeds the threshold, an alarm is triggered Value range: [0, 400] Default value: 50
++BaseValue	integer	body	true	Ambient volume reference value, used only when the detection type is a reference value comparison Default value: 50
++AlThshold	integer	body	true	Alarm threshold This parameter is used only when the detection type is base value comparison Default value: 40

6.7.3.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "DetectType": 0,
      "DiffValue": 100,
      "Threshold": 50,
      "BaseValue": 50,
      "AlThshold": 40
    }
  }
}
```

6.7.3.2 Set Audio Detection Alarm Configuration

6.7.3.2.1 Overview

Names	Description
Interface description	Set Audio Detection Alarm Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.3.2.2 URL Description

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None

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6.7.3.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled
DetectType	integer	body	true	Audio detection trigger type 0: Steep rise 1: Steep descent 2: Sudden change 3: Threshold
DiffValue	integer	body	false	Difference Used when the sound detection is a steep rise, steep fall, sudden change type, trigger alarm when the volume rises, steep fall, or sudden change exceeds the difference Value range: [0, 400] Default value: 100
Threshold	integer	body	false	Threshold When the sound detection is the threshold, the alarm is triggered when the volume exceeds the threshold Value range: [0, 400] Default value: 50
BaseValue	integer	body	true	Ambient volume reference value, used only when the detection type is a reference value comparison Default value: 50
AlThshold	integer	body	true	Alarm threshold This parameter is used only when the detection type is base value comparison Default value: 40

6.7.3.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "DetectType": 0,
   "DiffValue": 100,
   "Threshold": 50,
   "BaseValue": 50,
   "AlThshold": 40
}
```

6.7.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.3.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.3.3 Query The Configuration Of Audio Detection Alarm Linkage

6.7.3.3.1 Overview

Names	Description
Interface description	Query The Configuration Of Audio Detection Alarm Linkage
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.7.3.3.2 URL Description

None

6.7.3.3.3 Request Parameters

None

6.7.3.3.4 Example for Request Parameters

None

6.7.3.3.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.7.3.3.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.7.3.4 Set The Linkage Action For Audio Detection Alarms

6.7.3.4.1 Overview

Names	Description
Interface description	Set The Linkage Action For Audio Detection Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.7.3.4.2 URL Description

None

6.7.3.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+ActID	integer	body	true	Linkage items

Parameter names	Parameter type	Parameter location	Required	Description
				IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: uploads linkage snapshots to the FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.3.4.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.7.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.3.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.3.5 Query The Configuration Of Audio Detection Alarm Defense Plans

6.7.3.5.1 Overview

Names	Description
Interface description	Query The Configuration Of Audio Detection Alarm Defense Plans
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.7.3.5.2 URL Description

None

6.7.3.5.3 Request Parameters

None

6.7.3.5.4 Example for Request Parameters

None

6.7.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time The format is hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.7.3.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.7.3.6 Configuring The Audio Detection Alarm Defense Plan

6.7.3.6.1 Overview

Names	Description
Interface description	Configuring The Audio Detection Alarm Defense Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.7.3.6.2 URL Description

None

6.7.3.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1

Parameter names	Parameter type	Parameter location	Required	Description
				0: disables 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.7.3.6.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
```

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```
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```

6.7.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.3.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/AudioDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.4 Fire Point Detection

6.7.4.1 Query the Alarm Configuration of Fire Point Detection

6.7.4.1.1 Overview

Names	Description
Interface description	Query the configuration of the Conflagration detection alarm for a specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Rule
Interface request method	GET

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Names	Description
How to submit data	application/json

6.7.4.1.2 URL Description

None

6.7.4.1.3 Request Parameters

None

6.7.4.1.4 Example for Request Parameters

None

6.7.4.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enable	integer	body	true	Enable switch 0: Disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: Front end frame stacking
++OpticalConfirmEnabled	integer	body	false	Check whether Light Assist is enabled for details Support for Flame and Fumes detection Mandatory 0: Disable 1: Enabled
++DetectTargetInfo	object	body	true	Detect the target size configuration
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Motor vehicle 1: non-motor vehicle 2: Pedestrian 3: Fire point
+++MoveTargetFilterCfg	object	body	false	Move target filter detection configuration
++++MoveEnabled	integer	body	true	Moving target filter detection switch
++++MovingTargetFilter	integer	body	true	Moving target filter detection ratio (10,000 to 10,000)
+++FireTargetFilterCfg	object	body	false	Fire point target detection Information
++++MaxEnabled	integer	body	true	Maximum target filter switch 1: Filter; 0: Unfiltered
++++MinEnabled	integer	body	true	Minimum target filter switch 1: Filter; 0: Unfiltered
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.7.4.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enable": 0,
      "Sensitivity": 1,
      "OverlayType": 0,
      "OpticalConfirmEnabled": 0,
      "DetectTargetInfo": {
        "Enabled": 0,
        "Type": 3,
        "MoveTargetFilterCfg": {
          "MoveEnabled": 0,
```


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```
            "MovingTargetFilter": 0
          },
          "FireTargetFilterCfg": {
            "MaxEnabled": 0,
            "MinEnabled": 0
          },
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      }
    }
}
```

6.7.4.2 Set Fire Detection Alarm Configuration

6.7.4.2.1 Overview

Names	Description
Interface description	Set the configuration Information of the Conflagration detection alarm for the specified video input channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.4.2.2 URL Description

None

6.7.4.2.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Enable	integer	body	true	Enable switch 0: Disables 1: enabled
Sensitivity	integer	body	true	sensitivity Range of values: [1, 100]
OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: Front end frame stacking
OpticalConfirmEnabled	integer	body	false	Check whether Light Assist is enabled for details Support for Flame and Fumes detection Mandatory

Parameter name	Parameter type	Parameter location	Required	Description
				0: Disable 1: Enable
DetectTargetInfo	object	body	true	Detect the target size configuration
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian 3: Fire point
+MoveTargetFilterCfg	object	body	false	Move target filter detection configuration
++MoveEnabled	integer	body	true	Move target filter detection switch
++MovingTargetFilter	integer	body	true	Moving target filter detection ratio (10,000 to 10,000)
+FireTargetFilterCfg	object	body	false	Fire point target detection Information
++MaxEnabled	integer	body	true	Maximum target filter switch 1: Filter; 0: does not filter
++MinEnabled	integer	body	true	Minimum target filter switch 1: Filter; 0: Unfiltered
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.7.4.2.4 Example for Request Parameters

```
{
  "Enable": 0,
  "Sensitivity": 1,
  "OverlayType": 0,
  "OpticalConfirmEnabled": 0,
  "DetectTargetInfo": {
    "Enabled": 0,
    "Type": 3,
    "MoveTargetFilterCfg": {
```

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```
        "MoveEnabled": 0,
        "MovingTargetFilter": 0
    },
    "FireTargetFilterCfg": {
        "MaxEnabled": 0,
        "MinEnabled": 0
    },
    "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
    },
    "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
    }
  }
}
```

6.7.4.2.5 Return Parameters

None

6.7.4.2.6 Example for Returning Parameters

None

6.7.4.3 Query the Sets of the Fire Detection Shield Area

6.7.4.3.1 Overview

Names	Description
Interface description	Query Information about the fire detection shield area of a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas
Interface request method	GET
How to submit data	application/json

6.7.4.3.2 URL Description

None

6.7.4.3.3 Request Parameters

None

6.7.4.3.4 Example for Request Parameters

None

6.7.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of polygon areas Value range: [0,] Default value: 4
++ShieldAreasInfoList	object[]	body	true	List of polygon area Information
+++Enabled	integer	body	true	Enable switch for a single shielded area Default: 1 0: Disabled 1: enabled
+++ID	integer	body	true	Mask zone ID, counting from 0 Value range: [0,]
+++Zoom	integer	body	false	Shielding magnification
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.7.4.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
```


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```
        "ShieldAreasInfoList": [
          {
            "Enabled": 1,
            "ID": 0,
            "Zoom": 0,
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        ]
      }
    }
}
```

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6.7.4.4 Added Shielded Area Sets for Fire Detection

6.7.4.4.1 Overview

Names	Description
Interface description	Added the configuration of the fire detection shield area for the specified video channel.
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas
Interface request method	POST
How to submit data	application/json

6.7.4.4.2 URL Description

None

6.7.4.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch for a single shielded area Default: 1 0: Disabled 1: enabled
ID	integer	body	true	Mask zone ID, counting from 0 Value range: [0,]
Zoom	integer	body	false	Shielding magnification
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph

Parameter names	Parameter type	Parameter location	Required	Description
				Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.7.4.4.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "ID": 0,
  "Zoom": 0,
  "PointNum": 4,
  "PointList": [
    {
      "X": 5000,
      "Y": 5000
    }
  ]
}
```

6.7.4.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.4.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
```

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```
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.4.5 Set the Fire Detection Shielded area configuration

6.7.4.5.1 Overview

Names	Description
Interface description	Set the Conflagration detection of a certain shielded area configuration for a specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas/<ID>
Interface request method	PUT
How to submit data	application/json

6.7.4.5.2 URL Description

None

6.7.4.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch for a single shielded area Default: 1 0: Disabled 1: enabled
ID	integer	body	true	Mask zone ID, counting from 0 Value range: [0,]
Zoom	integer	body	false	Shielding magnification
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

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6.7.4.5.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "ID": 0,
  "Zoom": 0,
  "PointNum": 4,
  "PointList": [
    {
      "X": 5000,
      "Y": 5000
    }
  ]
}
```

6.7.4.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.4.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.4.6 Deleting the Fire Detection Mask

6.7.4.6.1 Overview

Names	Description
Interface description	Deletes a shielded area from the Conflagration detection of a specified video channel
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas/<ID>
Interface request method	DELETE
How to submit data	application/json

6.7.4.6.2 URL Description

None

6.7.4.6.3 Request Parameters

None

6.7.4.6.4 Example for Request Parameters

None

6.7.4.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.4.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.4.7 Query the Fire Detection Mask Projection Mode Configuration

6.7.4.7.1 Overview

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Names	Description
Interface description	Query the specified video channel conflagration detection mask projection mode configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldMode
Interface request method	GET
How to submit data	application/json

6.7.4.7.2 URL Description

None

6.7.4.7.3 Request Parameters

None

6.7.4.7.4 Example for Request Parameters

None

6.7.4.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Mode	integer	body	true	Zone mask mode configuration 0: Rule mode 1: Irregular mode

6.7.4.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldMode",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
```

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```
    "Data": {
      "Mode": 0
    }
  }
}
```

6.7.4.8 Set the Fire Point Detection Mask Projection Mode Configuration

6.7.4.8.1 Overview

Names	Description
Interface description	Set the specified video channel Conflagration detection shield projection mode configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldMode
Interface request method	PUT
How to submit data	application/json

6.7.4.8.2 URL Description

None

6.7.4.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Zone mask mode configuration 0: Rule mode 1: Irregular mode

6.7.4.8.4 Example for Request Parameters

```
{
  "Mode": 0
}
```

6.7.4.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.4.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldMode",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.4.9 Query the Display Status of the Fire Detection Mask

6.7.4.9.1 Overview

name	Description
Interface description	Query the display status configuration of the specified video channel Conflagration detection mask
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldDisplay
Interface request method	GET
How to submit data	application/json

6.7.4.9.2 URL Description

None

6.7.4.9.3 Request Parameters

None

6.7.4.9.4 Example for Request Parameters

None

6.7.4.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Mask area displays status enable switch Default: 1 0: disables 1: enabled

6.7.4.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldDisplay",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.7.4.10 Set the Display Status Configuration of the Fire Detection Mask

6.7.4.10.1 Overview

Names	Description
Interface description	Set the display status configuration of the specified video channel Conflagration detection mask
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/ShieldDisplay
Interface request method	PUT
How to submit data	application/json

6.7.4.10.2 URL Description

None

6.7.4.10.3 Request Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Mask area displays status enable switch Default: 1 0: Disabled 1: enabled

6.7.4.10.4 Example for Request Parameters

```
{
   "Enabled": 1
}
```

6.7.4.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.4.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection ShieldDisplay",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.7.4.11 Query the Fire Detection Mode Configuration

6.7.4.11.1 Overview

Names	Description
Interface description	Query the fire detection mode configuration for a specified video channel
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Mode
Interface request method	GET
How to submit data	application/json

6.7.4.11.2 URL Description

None

6.7.4.11.3 Request Parameters

None

6.7.4.11.4 Example for Request Parameters

None

6.7.4.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Mode	integer	body	true	Fire Detection mode 0: Conflagration detection 1: Smoking detection

6.7.4.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Mode".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 0
    }
  }
```

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```
}
```

6.7.4.12 Set Fire Detection Mode Configuration

6.7.4.12.1 Overview

Names	Description
Interface description	Set the fire detection mode configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Mode
Interface request method	PUT
How to submit data	application/json

6.7.4.12.2 URL Description

None

6.7.4.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Mode	integer	body	true	Fire Detection mode 0: Conflagration detection 1: Smoking detection

6.7.4.12.4 Example for Request Parameters

```
{
  "Mode": 0
}
```

6.7.4.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.7.4.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/ConflagrationDetection/Mode".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5 Temperature Detection

6.7.5.1 Query the Monitor Plan for Temperature Alarms

6.7.5.1.1 Overview

Names	Description
Interface description	Query the Monitor Plan for Temperature Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.7.5.1.2 URL Description

None

6.7.5.1.3 Request Parameters

None

6.7.5.1.4 Example for Request Parameters

None

6.7.5.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Planned days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information Periods of the same day cannot overlap
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.7.5.1.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
        ]
      }
    ]
  }
}
}
```


6.7.5.2 Set the Defense Plan for Temperature Alarms

6.7.5.2.1 Overview

Names	Description
Interface description	Set the Defense Plan for Temperature Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.7.5.2.2 URL Description

None

6.7.5.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days

Parameter names	Parameter type	Parameter location	Required	Description
				Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarms of all types can be deployed only in scheduled mode. Video and capture plans are supported The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.7.5.2.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
```

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```
    }
  ]
}
```

6.7.5.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.3 Query Temperature Detection Cold and Hot Spot Tracking Parameters

6.7.5.3.1 Overview

Names	Description
Interface description	Query Temperature Detection Cold and Hot Spot Tracking Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/ExtremeTemperature
Interface request method	GET
How to submit data	application/json

6.7.5.3.2 URL Description

None

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6.7.5.3.3 Request Parameters

None

6.7.5.3.4 Example for Request Parameters

None

6.7.5.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Cold hot spot tracking enable switch 0: Off 1: On

6.7.5.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection ExtremeTemperature",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.7.5.4 Set Temperature Detection Hot and Cold Tracking Parameters

6.7.5.4.1 Overview

Names	Description
Interface description	Set Temperature Detection Hot and Cold Tracking Parameters
Interface version	V1.0

Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/ExtremeTemperature
Interface request method	PUT
How to submit data	application/json

6.7.5.4.2 URL Description

None

6.7.5.4.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Cold hot spot tracking enable switch 0: Off 1: On

6.7.5.4.4 Example for Request Parameters

```
{
   "Enabled": 1
}
```

6.7.5.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection ExtremeTemperature",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
```

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```
  }
}
```

6.7.5.5 Query the Temperature Detection Temperature Bar Display Information

6.7.5.5.1 Overview

name	Description
Interface description	Query the Temperature Detection Temperature Bar Display Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/TemperatureBar
Interface request method	GET
How to submit data	application/json

6.7.5.5.2 URL Description

None

6.7.5.5.3 Request Parameters

None

6.7.5.5.4 Example for Request Parameters

None

6.7.5.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Temperature bar display switch 0: Off 1: Enable

6.7.5.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection TemperatureBar",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.7.5.6 Set the Temperature Detection Temperature Bar Display

6.7.5.6.1 Overview

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name	Description
Interface description	Set the Temperature Detection Temperature Bar Display
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/TemperatureBar
Interface request method	PUT
How to submit data	application/json

6.7.5.6.2 URL Description

None

6.7.5.6.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Temperature bar display switch 0: Off 1: On

6.7.5.6.4 Example for Request Parameters

```
{
  "Enabled": 1
}
```

6.7.5.6.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	

Parameter name	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.6.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection TemperatureBar",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.7.5.7 Query the Status of Temperature Detection Alarms

6.7.5.7.1 Overview

Names	Description
Interface description	Query the Status of Temperature Detection Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/EnableStatus
Interface request method	GET
How to submit data	application/json

6.7.5.7.2 URL Description

None

6.7.5.7.3 Request Parameters

None

6.7.5.7.4 Example for Request Parameters

None

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6.7.5.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Show status 0: The image does not show masked areas 1: The image shows the masked area

6.7.5.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection EnableStatus",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.7.5.8 Enabling or Disabling Temperature Detection Alarms

6.7.5.8.1 Overview

Names	Description
Interface description	Enabling or Disabling Temperature Detection Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/EnableStatus
Interface request method	PUT
How to submit data	application/json

6.7.5.8.2 URL Description

None

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6.7.5.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Show status 0: The image does not show masked areas 1: The image shows the masked area

6.7.5.8.4 Example for Request Parameters

```
{
   "Enabled": 1
}
```

6.7.5.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.8.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection EnableStatus",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.7.5.9 Query Temperature Alarm Snapshot Overlay Temperature Measurement Information Status

6.7.5.9.1 Overview

Names	Description
Interface description	Query Temperature Alarm Snapshot Overlay Temperature Measurement Information Status

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Names	Description
Interface Version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Mark
Interface request method	GET
How to submit data	application/json

6.7.5.9.2 URL Description

None

6.7.5.9.3 Request Parameters

None

6.7.5.9.4 Example for Request Parameters

None

6.7.5.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Picture Overlay Information enable switch When enabled, Information will be superimposed on the captured picture 0: Disables it 1: enabled
++Type	integer	body	true	The type of position in which the Information is superimposed in the picture 0: Rule perimeter 1: Customize the location
++Position	object	body	true	Center point coordinates, this is required when Type is 1 Position coordinates when customizing position
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.7.5.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Mark",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Type": 1,
      "Position": {
        "X": 5000,
        "Y": 5000
      }
    }
  }
}
```

6.7.5.10 Set Temperature Alarm Snapshot Overlay Temperature Measurement Information Status

6.7.5.10.1 Overview

Names	Description
Interface description	Set Temperature Alarm Snapshot Overlay Temperature Measurement Information Status
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Mark
Interface request method	PUT
How to submit data	application/json

6.7.5.10.2 URL Description

None

6.7.5.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Picture Overlay Information enable switch

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Parameter names	Parameter type	Parameter location	Required	Description
				When enabled, Information will be superimposed on the captured picture 0: Disables it 1: enabled
Type	integer	body	true	The type of position in which the Information is superimposed in the picture 0: Rule perimeter 1: Custom position
Position	object	body	true	Center point coordinates, this is required when Type is 1 Position coordinates when customizing position
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.7.5.10.4 Example for Request Parameters

```
{
   "Enabled": 1,
   "Type": 1,
   "Position": {
      "X": 5000,
      "Y": 5000
   }
}
```

6.7.5.10.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.10.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Mark",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.11 Query Temperature Alarm Rules

6.7.5.11.1 Overview

Names	Description
Interface description	Query Temperature Alarm Rules (Some devices do not support this interface)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule
Interface request method	GET
How to submit data	application/json

6.7.5.11.2 URL Description

None

6.7.5.11.3 Request Parameters

None

6.7.5.11.4 Example for Request Parameters

None

6.7.5.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++DetectionConfig	object	body	true	Detection rule configuration Includes single rule and contrast rule configurations
+++SingleRuleDetectionConfigList	object	body	true	Single rule detect configuration
++++Num	integer	body	true	Number of temperature alarm single rules Value range: [0, 11] Default value: 1
++++ConfigList	object[]	body	true	Single rule detects parameter configuration
+++++ID	integer	body	true	Rule Number Start with 0 Value range: [0, 11]
+++++Enabled	integer	body	true	Enable switch 0: Disables 1: Enables the function
+++++Name	string	body	true	Rule name String length range: [0, 24]
+++++PolygonInfo	object	body	true	Temperature detection area Information
++++++Num	integer	body	true	Detects the number of vertices in the area graph 1: Points 2: Straight line 3-6: Polygon Values range: [1, 6]
++++++PointList	object	body	true	Detects the vertex coordinates of the area graph
+++++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default value: 0 Value range: [0, 10000]
+++++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++TemperatureDetectionParam	object	body	true	Temperature measurement parameters
++++++Emissivity	integer	body	true	Emissivity of the object being measured Value range: [1, 100]
++++++Distance	float	body	true	Temperature measuring distance Unit: meters, accuracy 0.1 meters
++++++EnvironmentTemperature	integer	body	true	Ambient temperature Unit: degree Value range: [-100, 1000]
++++++Compensation	float	body	true	Temperature compensation Accurate to 2 decimal places in degrees Celsius

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Parameter names	Parameter type	Parameter location	Required	Description
+++CompareRuleDetectionConfigList	object	body	true	Contrast rule detect configuration
++++Num	integer	body	true	Number of temperature alarm comparison rules Count from 0 Values range: [0, 6]
++++ConfigList	object[]	body	true	Contrast rule detects parameter configuration
+++++ID	integer	body	true	Rule Number Count from 0 Values range: [0, 5]
+++++Enabled	integer	body	true	Enable switch 0: Disables 1: enabled
+++++Name	string	body	true	Rule name String length range: [0, 20]
+++++FirstCompareRuleID	integer	body	true	Sequence number of the first contrast rule Value range: [0, 11] Default value: 1
+++++SecondCompareRuleID	integer	body	true	Sequence number of the second contrast rule It cannot be the same as the first rule number Value range: [0, 11]
++AlarmConfig	object	body	true	Trigger alarm condition configuration
+++SingleRuleAlarmConfigList	object	body	true	Single-rule alarm condition configuration
++++Num	integer	body	true	Number of temperature alarm single rules Value range: [0, 12]
++++ConfigList	object[]	body	true	Single rule detects parameter configuration
+++++Type	integer	body	true	Alarm type Note: 1. For comparison rules, only 0,1 and 2 alarm types are supported. 2. When the area type is point, alarm type 2 and 4 are supported only 0: indicates the highest temperature 1: lowest temperature 2: Average temperature 3: Temperature difference 4: temperature change rate
+++++Condition	integer	body	true	Alarm condition 0: less than 1: Above 2: Match
+++++Threshold	float	body	false	Threshold temperature Unit: degree. This parameter is mandatory if the alarm type is not temperature change rate. The value is accurate to one decimal place
+++++ChangeRate	float	body	false	Rate of temperature change

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Parameter names	Parameter type	Parameter location	Required	Description
				Unit: degree/minute. (Required if the alarm type is temperature change rate.) The value is accurate to two decimal places
+++++Range	float	body	true	Temperature tolerance error Units: degrees, accurate to two decimal places
+++++Duration	integer	body	true	Duration, in seconds Value range: [1, 100] Default value: 1
+++CompareRuleAlarmConfigList	object	body	true	Compare the configuration of rule alarm conditions
++++Num	integer	body	true	Number of temperature alarm single rules Value range: [0, 12] Default value: 1
++++ConfigList	object[]	body	true	Contrast rule detects parameter configuration
+++++Type	integer	body	true	Alarm type Note: 1. For comparison rules, only 0,1 and 2 alarm types are supported. 2. When the area type is point, alarm type 2 and 4 are supported only 0: indicates the highest temperature 1: lowest temperature 2: Average temperature 3: Temperature difference 4: temperature change rate
+++++Condition	integer	body	true	Alarm condition 0: Below 1: Above 2: Match
+++++Threshold	float	body	false	Threshold temperature Unit: degree. This parameter is mandatory if the alarm type is not temperature change rate. The value is accurate to one decimal place
+++++ChangeRate	float	body	false	Rate of temperature change Unit: degree/minute. (Required if the alarm type is temperature change rate.) The value is accurate to two decimal places
+++++Range	float	body	true	Temperature tolerance error Units: degrees, accurate to two decimal places
+++++Duration	integer	body	true	Duration, in seconds Value range: [1, 100] Default value: 1
++OverlayFrame	object	body	true	Temperature stack frame configuration
+++OverlayType	integer	body	true	Temperature detection Stack configuration 0: back-end overlay 1: front-end overlay
+++Position	integer	body	true	Temperature Stack box Position 0: around the border 1: Top left corner of the screen

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6.7.5.11.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "DetectionConfig": {
        "SingleRuleDetectionConfigList": {
          "Num": 1,
          "ConfigList": [
            {
              "ID": 0,
              "Enabled": 1,
              "Name": "string",
              "PolygonInfo": {
                "Num": 6,
                "PointList": {
                  "X": 5000,
                  "Y": 5000
                }
              },
              "TemperatureDetectionParam": {
                "Emissivity": 98,
                "Distance": 3,
                "EnvironmentTemperature": 23,
                "Compensation": 0
              }
            }
          ]
        },
        "CompareRuleDetectionConfigList": {
          "Num": 0,
          "ConfigList": [
            {
              "ID": 0,
              "Enabled": 0,
              "Name": "string",
              "FirstCompareRuleID": 1,
              "SecondCompareRuleID": 0
            }
          ]
        }
      },
      "AlarmConfig": {
        "SingleRuleAlarmConfigList": {
          "Num": 0,
          "ConfigList": [
            {
              "Type": 0,
              "Condition": 0,
              "Threshold": 0,
              "ChangeRate": 0,
              "Range": 0,
              "Duration": 1
            }
          ]
        },
        "CompareRuleAlarmConfigList": {
          "Num": 1,
```

```
            "ConfigList": [
              {
                "Type": 0,
                "Condition": 0,
                "Threshold": 0,
                "ChangeRate": 0,
                "Range": 0,
                "Duration": 1
              }
            ]
          }
        },
        "OverlayFrame": {
          "OverlayType": 0,
          "Position": 0
        }
      }
    }
}
```

6.7.5.12 Set Temperature Alarm Rules

6.7.5.12.1 Overview

Names	Description
Interface description	Set Temperature Alarm Rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.5.12.2 URL Description

None

6.7.5.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
DetectionConfig	object	body	true	Detect rule configuration Includes single rule and contrast rule configurations
+SingleRuleDetectionConfigList	object	body	true	Single rule detection configuration
++Num	integer	body	true	Number of temperature alarm single rules Value range: [0, 11] Default value: 1
++ConfigList	object[]	body	true	Single rule detects parameter configuration
+++ID	integer	body	true	Rule Number

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Parameter names	Parameter type	Parameter location	Required	Description
				Start with 0 Value range: [0, 11]
+++Enabled	integer	body	true	Enable switch 0: Disables 1: enabled
+++Name	string	body	true	Rule name String length range: [0, 24]
+++PolygonInfo	object	body	true	Temperature detection area Information
++++Num	integer	body	true	Detects the number of vertices in the zone graph 1: Points 2: Straight line 3-6: Polygon Values range: [1, 6]
++++PointList	object	body	true	Detects the vertex coordinates of the area graph
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++TemperatureDetectionParam	object	body	true	Temperature measurement parameters
++++Emissivity	integer	body	true	Emissivity of the object being measured Value range: [1, 100]
++++Distance	float	body	true	Temperature measuring distance Unit: meters, accuracy 0.1 meters
++++EnvironmentTemperature	integer	body	true	Ambient temperature Units: degrees Value range: [-100, 1000]
++++Compensation	float	body	true	Temperature compensation Accurate to 2 decimal places in degrees Celsius
+CompareRuleDetectionConfigList	object	body	true	Contrast rule detect configuration
++Num	integer	body	true	Number of temperature alarm comparison rules Count from 0 Values range: [0, 6]
++ConfigList	object[]	body	true	Contrast rule detects parameter configuration
+++ID	integer	body	true	Rule Number Count from 0 Values range: [0, 5]
+++Enabled	integer	body	true	Enable switch

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Disables 1: Enables the function
+++Name	string	body	true	Rule name String length range: [0, 20]
+++FirstCompareRuleID	integer	body	true	Sequence number of the first contrast rule Value range: [0, 11] Default value: 1
+++SecondCompareRuleID	integer	body	true	Sequence number of the second contrast rule It cannot be the same as the first rule number Value range: [0, 11]
AlarmConfig	object	body	true	Trigger alarm condition configuration
+SingleRuleAlarmConfigList	object	body	true	Single-rule alarm condition configuration
++Num	integer	body	true	Number of temperature alarm single rules Value range: [0, 12]
++ConfigList	object[]	body	true	Single rule detects parameter configuration
+++Type	integer	body	true	Alarm type Note: 1. For comparison rules, only 0,1 and 2 alarm types are supported. 2. When the area type is point, alarm type 2 and 4 are supported only 0: The highest temperature 1: lowest temperature 2: Average temperature 3: Temperature difference 4: temperature change rate
+++Condition	integer	body	true	Alarm condition 0: Below 1: Above 2: Match
+++Threshold	float	body	false	Threshold temperature Unit: degree. This parameter is mandatory if the alarm type is not temperature change rate. The value is accurate to one decimal place
+++ChangeRate	float	body	false	Rate of temperature change Unit: degree/minute. (Required if the alarm type is temperature change rate.) The value is accurate to two decimal places
+++Range	float	body	true	Temperature tolerance error Units: degrees, accurate to two decimal places
+++Duration	integer	body	true	Duration, in seconds Value range: [1, 100] Default value: 1
+CompareRuleAlarmConfigList	object	body	true	Compare the rule alarm condition configuration
++Num	integer	body	true	Number of temperature alarm single rules

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 12] Default value: 1
++ConfigList	object[]	body	true	Contrast rule detects parameter configuration
+++Type	integer	body	true	Alarm type Note: 1. For comparison rules, only 0,1 and 2 alarm types are supported. 2. When the area type is point, alarm type 2 and 4 are supported only 0: indicates the highest temperature 1: lowest temperature 2: Average temperature 3: Temperature difference 4: temperature change rate
+++Condition	integer	body	true	Alarm condition 0: Below 1: Above 2: Match
+++Threshold	float	body	false	Threshold temperature Unit: degree. This parameter is mandatory if the alarm type is not temperature change rate. The value is accurate to one decimal place
+++ChangeRate	float	body	false	Rate of temperature change Unit: degree/minute. (Required if the alarm type is temperature change rate.) The value is accurate to two decimal places
+++Range	float	body	true	Temperature tolerance error Units: degrees, accurate to two decimal places
+++Duration	integer	body	true	Duration, unit: second Value range: [1, 100] Default value: 1
OverlayFrame	object	body	true	Temperature stack frame configuration
+OverlayType	integer	body	true	Temperature detection Stack configuration 0: back-end overlay 1: front-end overlay
+Position	integer	body	true	Temperature Stack box Position 0: around the border 1: Top left corner of the screen

6.7.5.12.4 Example for Request Parameters

```
{
  "DetectionConfig": {
    "SingleRuleDetectionConfigList": {
      "Num": 1,
      "ConfigList": [
        {
          "ID": 0,
          "Enabled": 1,
          "Name": "string",
          "PolygonInfo": {
            "Num": 6,
```

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```
                "PointList": {
                    "X": 5000,
                    "Y": 5000
                }
            },
            "TemperatureDetectionParam": {
                "Emissivity": 98,
                "Distance": 3,
                "EnvironmentTemperature": 23,
                "Compensation": 0
            }
        }
    ]
  },
  "CompareRuleDetectionConfigList": {
    "Num": 0,
    "ConfigList": [
      {
        "ID": 0,
        "Enabled": 0,
        "Name": "string",
        "FirstCompareRuleID": 1,
        "SecondCompareRuleID": 0
      }
    ]
  }
},
"AlarmConfig": {
  "SingleRuleAlarmConfigList": {
    "Num": 0,
    "ConfigList": [
      {
        "Type": 0,
        "Condition": 0,
        "Threshold": 0,
        "ChangeRate": 0,
        "Range": 0,
        "Duration": 1
      }
    ]
  },
  "CompareRuleAlarmConfigList": {
    "Num": 1,
    "ConfigList": [
      {
        "Type": 0,
        "Condition": 0,
        "Threshold": 0,
        "ChangeRate": 0,
        "Range": 0,
        "Duration": 1
      }
    ]
  }
},
"OverlayFrame": {
  "OverlayType": 0,
  "Position": 0
}
}
```


6.7.5.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.13 Added a Specified Temperature Alarm Rule

6.7.5.13.1 Overview

Names	Description
Interface description	Added a Specified Temperature Alarm Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule
Interface request method	POST
How to submit data	application/json

6.7.5.13.2 URL Description

None

6.7.5.13.3 Request Parameters

None

6.7.5.13.4 Example for Request Parameters

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None

6.7.5.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++RuleID	integer	body	true	Regular serial number, counting from 0 Value range: [0,]

6.7.5.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "RuleID": 0
    }
  }
}
```

6.7.5.14 Deleting a Specified Temperature Alarm Rule

6.7.5.14.1 Overview

Names	Description
Interface description	Deleting a Specified Temperature Alarm Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule/<RuleID>
Interface request method	DELETE
How to submit data	application/json

6.7.5.14.2 URL Description

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None

6.7.5.14.3 Request Parameters

None

6.7.5.14.4 Example for Request Parameters

None

6.7.5.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.14.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Rule/<RuleID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.15 Added Specified Contrast Rule

6.7.5.15.1 Overview

Names	Description
Interface description	Added Specified Contrast Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRule
Interface request method	POST

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Names	Description
How to submit data	application/json

6.7.5.15.2 URL Description

None

6.7.5.15.3 Request Parameters

None

6.7.5.15.4 Example for Request Parameters

None

6.7.5.15.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++RuleID	integer	body	true	Rule serial number Count from 0 Values range: [1, 6]

6.7.5.15.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection CompareRule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "RuleID": 0
    }
  }
}
```

6.7.5.16 Delete The Specified Contrast Rule

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6.7.5.16.1 Overview

Names	Description
Interface description	Delete The Specified Contrast Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRule/<RuleID>
Interface request method	DELETE
How to submit data	application/json

6.7.5.16.2 URL Description

None

6.7.5.16.3 Request Parameters

None

6.7.5.16.4 Example for Request Parameters

None

6.7.5.16.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.16.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRule/<RuleID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
```

```
}
```

6.7.5.17 Get Black Body Parameters

6.7.5.17.1 Overview

Names	Description
Interface description	Get Black Body Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/BlackBody
Interface request method	GET
How to submit data	application/json

6.7.5.17.2 URL Description

None

6.7.5.17.3 Request Parameters

None

6.7.5.17.4 Example for Request Parameters

None

6.7.5.17.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Boldface enable switch: 0: disable 1: Enable
++Temperature	float	body	true	Blackbody temperature Accurate to one decimal place, in degrees Celsius
++AreaInfo	object	body	true	Rectangular area Information

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Parameter names	Parameter type	Parameter location	Required	Description
+++TopLeft	object	body	true	Coordinate point Information in the upper left corner of the rectangular area
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.7.5.17.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection BlackBody",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "Temperature": -40,
      "AreaInfo": {
        "TopLeft": {
          "X": 5000,
          "Y": 5000
        },
        "BottomRight": {
          "X": 5000,
          "Y": 5000
        }
      }
    }
  }
}
```


6.7.5.18 Set Black Body Parameters

6.7.5.18.1 Overview

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Names	Description
Interface description	Set Black Body Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/BlackBody
Interface request method	PUT
How to submit data	application/json

6.7.5.18.2 URL Description

None

6.7.5.18.3 Request Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Enabled	integer	body	true	Boldface enable switch: 0: disable 1: Enable
Temperature	float	body	true	Blackbody temperature Accurate to one decimal place, in degrees Celsius
AreaInfo	object	body	true	Rectangular area Information
+TopLeft	object	body	true	Coordinate point Information in the upper left corner of the rectangular area
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

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6.7.5.18.4 Example for Request Parameters

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```
{
    "Enabled": 0,
    "Temperature": -40,
```

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```
    "AreaInfo": {
        "TopLeft": {
            "X": 5000,
            "Y": 5000
        },
        "BottomRight": {
            "X": 5000,
            "Y": 5000
        }
    }
}
```

6.7.5.18.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.18.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection BlackBody",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.7.5.19 Get Temperature Correction Parameters

6.7.5.19.1 Overview

Names	Description
Interface description	Get Temperature Correction Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Correction
Interface request method	GET

Names	Description
How to submit data	application/json

6.7.5.19.2 URL Description

None

6.7.5.19.3 Request Parameters

None

6.7.5.19.4 Example for Request Parameters

None

6.7.5.19.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Mode	integer	body	true	Correction mode 0: in vivo 1: body surface
++CorrectionTemperature	float	body	true	Correct the temperature Accurate to one decimal place, in degrees Celsius
++EnvironmentTemperature	float	body	true	Ambient temperature Accurate to one decimal place, in degrees Celsius

6.7.5.19.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Correction".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 0,
```

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```
        "CorrectionTemperature": 0,
        "EnvironmentTemperature": 25
      }
    }
}
```

6.7.5.20 Set Temperature Correction Parameters

6.7.5.20.1 Overview

Names	Description
Interface description	Set Temperature Correction Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Correction
Interface request method	PUT
How to submit data	application/json

6.7.5.20.2 URL Description

None

6.7.5.20.3 Request Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Mode	integer	body	true	Correction mode 0: In vivo 1: body surface
CorrectionTemperature	float	body	true	Correct the temperature Accurate to one decimal place, in degrees Celsius
EnvironmentTemperature	float	body	true	Ambient temperature Accurate to one decimal place, in degrees Celsius

6.7.5.20.4 Example for Request Parameters

```
{
  "Mode": 0,
  "CorrectionTemperature": 0,
  "EnvironmentTemperature": 25
}
```

6.7.5.20.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.20.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Correction".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.21 Added Temperature Alarm Comparison Rule

6.7.5.21.1 Overview

Names	Description
Interface description	Added Temperature Alarm Comparison Rule
Interface Version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRules
Interface request method	POST
How to submit data	application/json

6.7.5.21.2 URL Description

None

6.7.5.21.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Disables 1: enabled
Name	string	body	true	Rule name String length range: [0, 20]
BasicRule	object	body	true	Basic Rules Information
+Type	integer	body	true	Alarm type Note: 1. For comparison rules, only 0,1 and 2 alarm types are supported. 2. When the area type is point, alarm type 2 and 4 are supported only 0: indicates the highest temperature 1: lowest temperature 2: Average temperature 3: Temperature difference 4: temperature change rate
+Condition	integer	body	true	Alarm condition 0: Below 1: higher than 2: Match
+Threshold	float	body	false	Threshold temperature Unit: degree. This parameter is mandatory if the alarm type is not temperature change rate. The value is accurate to one decimal place
+ChangeRate	float	body	false	Rate of temperature change Unit: degree/minute. (Required if the alarm type is temperature change rate.) The value is accurate to two decimal places
+Range	float	body	true	Temperature tolerance error Units: degrees, accurate to two decimal places
+Duration	integer	body	true	Duration, in seconds Value range: [1, 100] Default value: 1
FirstCompareRuleID	integer	body	true	Sequence number of the first contrast rule Value range: [1, 12] Default value: 1
SecondCompareRuleID	integer	body	true	Sequence number of the second contrast rule Value range: [1, 12] Default value: 2

6.7.5.21.4 Example for Request Parameters

```
{
    "Enabled": 0,
    "Name": "string",
    "BasicRule": {
        "Type": 0,
        "Condition": 0,
        "Threshold": 0,
        "ChangeRate": 0,
```

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```
        "Range": 0,
        "Duration": 1
    },
    "FirstCompareRuleID": 1,
    "SecondCompareRuleID": 2
}
```

6.7.5.21.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++RuleID	integer	body	true	Regular serial number, counting from 0 Value range: [0,]

6.7.5.21.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection CompareRules",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {
            "RuleID": 0
        }
    }
}
```

6.7.5.22 Delete Comparison Rule for Specified Temperature Alarms

6.7.5.22.1 Overview

Names	Description
Interface description	Delete Comparison Rule for Specified Temperature Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRules/<RuleID>
Interface request method	DELETE

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Names	Description
How to submit data	application/json

6.7.5.22.2 URL Description

None

6.7.5.22.3 Request Parameters

None

6.7.5.22.4 Example for Request Parameters

None

6.7.5.22.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.22.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/CompareRules/<RuleID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.23 Query the Linkage Action for Temperature Alarms

6.7.5.23.1 Overview

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Names	Description
Interface description	Query the Linkage Action for Temperature Alarms
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.7.5.23.2 URL Description

None

6.7.5.23.3 Request Parameters

None

6.7.5.23.4 Example for Request Parameters

None

6.7.5.23.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters

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Parameter names	Parameter type	Parameter location	Required	Description
				Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: Image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.5.23.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.7.5.24 Set the Linkage Action for Temperature Alarms

6.7.5.24.1 Overview

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Names	Description
Interface description	Set the Linkage Action for Temperature Alarms
Interface Version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.7.5.24.2 URL Description

None

6.7.5.24.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This parameter is mandatory when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.7.5.24.4 Example for Request Parameters

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```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.7.5.24.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.5.24.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.5.25 Query the Maximum Temperature, Minimum Temperature, Average Temperature in All Rule Areas

6.7.1 Overview

Names	Description
Interface description	Query the Maximum Temperature, Minimum Temperature, Average Temperature in All Rule Areas
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Temperature

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Names	Description
Interface request method	GET
How to submit data	application/json

6.7.2 URL Description

None

6.7.3 Request Parameters

None

6.7.4 Example for Request Parameters

None

6.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of rules to set Value range: [1,] Default value: 1
++TemperatureValueInfoList	object[]	body	true	Specific rule temperature information
+++ID	integer	body	true	Rule ID, counting from 0 Value range: [0,]
+++MaxTemperature	float	body	true	Highest heat Unit: degrees Celsius, accurate to one decimal place
+++MinTemperature	float	body	true	Lowest temperature Unit: degrees Celsius, accurate to one decimal place
+++AverageTemperature	float	body	true	Average temperature Unit: degrees Celsius, accurate to one decimal place

6.7.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/Temperature".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "TemperatureValueInfoList": [
        {
          "ID": 0,
          "MaxTemperature": 0,
          "MinTemperature": 0,
          "AverageTemperature": 0
        }
      ]
    }
  }
}
```

6.7.5.26 Query the Maximum Temperature, Minimum Temperature, Average Temperature in Single Rule Area

6.7.5.26.1 Overview

Names	Description
Interface description	Query the Maximum Temperature, Minimum Temperature, Average Temperature in Single Rule Area
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/TemperatureValue/<RuleID>
Interface request method	GET
How to submit data	application/json

6.7.5.26.2 URL Description

None

6.7.5.26.3 Request Parameters

None

6.7.5.26.4 Example for Request Parameters

None

6.7.5.26.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Rule ID, counting from 0 Value range: [0,]
++MaxTemperature	float	body	true	Highest heat Unit: degrees Celsius, accurate to one decimal place
++MinTemperature	float	body	true	Lowest temperature Unit: degrees Celsius, accurate to one decimal place
++AverageTemperature	float	body	true	Average temperature Unit: degrees Celsius, accurate to one decimal place

6.7.5.26.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/TemperatureDetection/TemperatureValue/<RuleID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "MaxTemperature": 0,
      "MinTemperature": 0,
      "AverageTemperature": 0
    }
  }
}
```

6.7.6 Motion Detection

6.7.6.1 Get the Area Type for Specifying Video Input Channel Motion Detection

6.7.6.1.1 Overview

name	Description
Interface description	Get the Area Type for Specifying Video Input Channel Motion Detection
Interface version	V1.0

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name	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Interface request method	GET
How to submit data	application/json

6.7.6.1.2 URL Description

None

6.7.6.1.3 Request Parameters

None

6.7.6.1.4 Example for Request Parameters

None

6.7.6.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Type	integer	body	true	Area type 0: Rectangular area 1: macro block area

6.7.6.1.6 Examples of Return Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection AreaType",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Type": 1
    }
  }
```

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```
}
```

6.7.6.2 Set the Area Type for Specifying Video Input Channel Motion Detection

6.7.6.2.1 Overview

name	Description
Interface description	Set the Area Type for Specifying Video Input Channel Motion Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/AreaType
Interface request method	PUT
How to submit data	application/json

6.7.6.2.2 URL Description

None

6.7.6.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Area type 0: Rectangular area 1: Macroblock area

6.7.6.2.4 Example for Request Parameters

```
{
  "Type": 1
}
```

6.7.6.2.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.7.6.2.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection AreaType",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.3 Get the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel

6.7.6.3.1 Overview

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Names	Description
Interface description	Get the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule
Interface request method	GET
How to submit data	application/json

6.7.6.3.2 URL Description

None

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6.7.6.3.3 Request Parameters

None

6.7.6.3.4 Example for Request Parameters

None

6.7.6.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable 0: disables 1: Enables the function
++Mode	integer	body	false	Movement-check mode If this node is not present, it defaults to normal motion detection 0: common motion detection 1: Smart Motion detection

6.7.6.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "Mode": 0
    }
  }
}
```

6.7.6.4 Set the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel

6.7.6.4.1 Overview

Names	Description
Interface description	Set the Configuration Information of (Smart/Normal) Motion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.6.4.2 URL Description

None

6.7.6.4.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
Mode	integer	body	false	Movement-check mode If this node is not present, it defaults to normal motion detection 0: common motion detection 1: Smart Motion detection

6.7.6.4.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "Mode": 0
}
```

6.7.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.6.4.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Rule",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.7.6.5 Get All Rectangular Area Information in Motion Detection of the Specified Video Input Channel

6.7.6.5.1 Overview

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Names	Description
Interface description	Get All Rectangular Area Information in Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas
Interface request method	GET
How to submit data	application/json

6.7.6.5.2 URL Description

None

6.7.6.5.3 Request Parameters

None

6.7.6.5.4 Example for Request Parameters

None

6.7.6.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of rectangular areas The maximum number is 4
++RECTAreas	object[]	body	true	Rectangular area Information list
+++ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of regions supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+++Sensitivity	integer	body	true	Motion detection sensitivity

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [1, 100]
+++Duration	integer	body	false	Duration
+++TargetSize	integer	body	false	Object size Value range: [1, 100]
+++RECTArea	object	body	true	Rectangular area Information
++++TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
+++++X	integer	body	false	abscissa Value range: [0, 9999]
+++++Y	integer	body	false	Ordinate Value range: [0, 9999]
++++BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
+++++X	integer	body	true	abscissa Value range: [0, 9999]
+++++Y	integer	body	true	Ordinates Value range: [0, 9999]
+++AreaInfoList	object	body	false	Polygon area Information
++++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++++PointList	object[]	body	true	Vertex coordinates of the region graph Unit 10,000th ratio
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default value: 0 Value range: [0, 10000]
+++Num	integer	body	true	Detect number of targets
+++DetectTargetList	object[]	body	true	Detect target list
++++Enabled	integer	body	true	Detection switch 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size

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Parameter names	Parameter type	Parameter location	Required	Description
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.7.6.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "RECTAreas": [
        {
          "ID": 1,
          "Enabled": 1,
          "Sensitivity": 50,
          "Duration": 0,
          "TargetSize": 1,
          "RECTArea": {
            "TopLeft": {
              "X": 200,
              "Y": 200
            },
            "BottomRight": {
              "X": 10,
              "Y": 10
            }
          },
          "AreaInfoList": {
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          },
          "Num": 1,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
```


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```
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```

6.7.6.6 Set All Rectangular Area Information in Motion Detection of the Specified Video Input Channel

6.7.6.6.1 Overview

Names	Description
Interface description	Set All Rectangular Area Information in Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas
Interface request method	PUT
How to submit data	application/json

6.7.6.6.2 URL Description

None

6.7.6.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of rectangular areas The maximum number is 4
RECTAreas	object[]	body	true	Rectangular area Information list
+ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of areas supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+Sensitivity	integer	body	true	Motion detection sensitivity Value range: [1, 100]

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Parameter names	Parameter type	Parameter location	Required	Description
+Duration	integer	body	false	Duration
+TargetSize	integer	body	false	Object size Value range: [1, 100]
+RECTArea	object	body	true	Rectangular area Information
++TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
+++X	integer	body	false	abscissa Value range: [0, 9999]
+++Y	integer	body	false	Ordinate Value range: [0, 9999]
++BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
+++X	integer	body	true	abscissa Value range: [0, 9999]
+++Y	integer	body	true	Ordinates Value range: [0, 9999]
+AreaInfoList	object	body	false	Polygon area Information
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit to 10,000 ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Num	integer	body	true	Detect number of targets
+DetectTargetList	object[]	body	true	Detect target list
++Enabled	integer	body	true	Detect switches 0: disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.7.6.6.4 Example for Request Parameters


```
{
  "Num": 1,
  "RECTAreas": [
    {
      "ID": 1,
      "Enabled": 1,
      "Sensitivity": 50,
      "Duration": 0,
      "TargetSize": 1,
      "RECTArea": {
        "TopLeft": {
          "X": 200,
          "Y": 200
        },
        "BottomRight": {
          "X": 10,
          "Y": 10
        }
      },
      "AreaInfoList": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      },
      "Num": 1,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  ]
```

```
}
```

6.7.6.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.6.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.7 Get the Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel

6.7.6.7.1 Overview

name	Description
Interface description	Get the Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>
Interface request method	GET
How to submit data	application/json

6.7.6.7.2 URL Description

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Parameter names	Parameter type	Required	Sample value	Description
RECTAreas/ID	unsigned long	true	1	Zone ID

6.7.6.7.3 Request Parameters

None

6.7.6.7.4 Example for Request Parameters

None

6.7.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of areas supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: Enables the function
++Sensitivity	integer	body	true	Motion detection sensitivity Value range: [1, 100]
++Duration	integer	body	false	Duration
++TargetSize	integer	body	false	Object size Value range: [1, 100]
++RECTArea	object	body	true	Rectangular area Information
+++TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
++++X	integer	body	false	abscissa Value range: [0, 9999]
++++Y	integer	body	false	Ordinate Value range: [0, 9999]

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Parameter names	Parameter type	Parameter location	Required	Description
+++BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
++++X	integer	body	true	abscissa Value range: [0, 9999]
++++Y	integer	body	true	Ordinates Value range: [0, 9999]
++AreaInfoList	object	body	false	Polygon area Information
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Num	integer	body	true	Detect number of targets
++DetectTargetList	object[]	body	true	Detect target list
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 10000]

6.7.6.7.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 1,
      "Sensitivity": 50,
      "Duration": 0,
      "TargetSize": 1,
      "RECTArea": {
        "TopLeft": {
          "X": 200,
          "Y": 200
        },
        "BottomRight": {
          "X": 10,
          "Y": 10
        }
      },
      "AreaInfoList": {
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      },
      "Num": 1,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.7.6.8 Configuring the Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel

6.7.6.8.1 Overview

Names	Description
Interface description	Configuring the Specified Rectangular Area Information in the Motion Detection of the Specified Video Input Channel

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>
Interface request method	PUT
How to submit data	application/json

6.7.6.8.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
RECTAreas/ID	unsigned long	true	1	Zone ID

6.7.6.8.3 Request Parameters

Parameter names	Parameter type	Parameter position	Required	Description
ID	integer	body	true	Rectangular area numbering Starting from 0, the maximum number of areas supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
Sensitivity	integer	body	true	Motion detection sensitivity Value range: [1, 100]
Duration	integer	body	false	Duration
TargetSize	integer	body	false	Object size Value range: [1, 100]
RECTArea	object	body	true	Rectangular area Information
+TopLeft	object	body	false	Coordinate point Information in the upper left corner of the rectangular area
++X	integer	body	false	abscissa Value range: [0, 9999]
++Y	integer	body	false	Ordinate Value range: [0, 9999]
+BottomRight	object	body	true	Rectangle area lower right corner coordinate point Information
++X	integer	body	true	abscissa Value range: [0, 9999]
++Y	integer	body	true	Ordinates Value range: [0, 9999]
AreaInfoList	object	body	false	Polygon area Information

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Parameter names	Parameter type	Parameter position	Required	Description
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default value: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
Num	integer	body	true	Detect number of targets
DetectTargetList	object[]	body	true	Detect target list
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.7.6.8.4 Example for Request Parameters

```
{
    "ID": 1,
    "Enabled": 1,
    "Sensitivity": 50,
    "Duration": 0,
    "TargetSize": 1,
    "RECTArea": {
        "TopLeft": {
            "X": 200,
            "Y": 200
```

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```
        },
        "BottomRight": {
            "X": 10,
            "Y": 10
        }
    },
    "AreaInfoList": {
        "PointNum": 4,
        "PointList": [
            {
                "X": 5000,
                "Y": 5000
            }
        ]
    },
    "Num": 1,
    "DetectTargetList": [
        {
            "Enabled": 0,
            "Type": 0,
            "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
            },
            "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
            }
        }
    ]
}
```

6.7.6.8.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.6.8.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/RECTAreas/<ID>".
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
```

```
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.9 Get All Macroblock Area Information in the Motion Detection of the Specified Video Input Channel

6.7.6.9.1 Overview

Names	Description
Interface description	Get All Macroblock Area Information in the Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea
Interface request method	GET
How to submit data	application/json

6.7.6.9.2 URL Description

None

6.7.6.9.3 Request Parameters

None

6.7.6.9.4 Example for Request Parameters

None

6.7.6.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Zone enable identifier 0: Disable

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Parameter names	Parameter type	Parameter location	Required	Description
				1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Grid	string	body	true	1, the whole picture is divided into a 22x18 grid, starting from the upper left corner to the lower right corner (from left to right, from top to bottom) a total of 396 grids, numbered in turn. Then the 8-bit number represented by the binary bit (maximum 255) indicates the selected status of the 8 grids: the bit is 1, which means that the grid is selected, and the bit is 0, which means that the region is not selected (from low to high position). All the grids are then converted into an array of 50 8-bit numbers. 2. The array is first compressed by the PackBits algorithm, and then Base64 encoding is used to get the compressed string String length range: [0, 256]

6.7.6.9.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Sensitivity": 50,
      "Grid": "DWAAAYAABj/5mP/mAAAY/gAgP/4A//77//vv/++//74ABvgBG+AAb4ABvh/2+H/YAf8A"
    }
  }
}
```


6.7.6.10 Set All Macroblock Area Information in Motion Detection of the Specified Video Input Channel

6.7.6.10.1 Overview

Names	Description
Interface description	Get All Macroblock Area Information in the Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea
Interface request method	PUT
How to submit data	application/json

6.7.6.10.2 URL Description

None

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6.7.6.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Grid	string	body	true	1, the whole picture is divided into a 22x18 grid, starting from the upper left corner to the lower right corner (from left to right, from top to bottom) a total of 396 grids, numbered in turn. Then the 8-bit number represented by the binary bit (maximum 255) indicates the selected status of the 8 grids: the bit is 1, which means that the grid is selected, and the bit is 0, which means that the region is not selected (from low to high position). All the grids are then converted into an array of 50 8-bit numbers. 2. The array is first compressed by the PackBits algorithm, and then Base64 encoding is used to get the compressed string String length range: [0, 256]

6.7.6.10.4 Example for Request Parameters

```
{
   "Enabled": 1,
   "Sensitivity": 50,
   "Grid": "DWAAAYAABj/5mP/mAAAY/gAgP/4A//77//vv/++//74ABvgBG+AAb4ABvh/2+H/YAf8A"
}
```

6.7.6.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.6.10.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/GridArea",
      "ResponseCode": 0,
      "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.11 Query the Motion Detection Linkage Action

6.7.6.11.1 Overview

Names	Description
Interface description	Query the Motion Detection Linkage Action
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>
Interface request method	GET
How to submit data	application/json

6.7.6.11.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
Mode	integer	false	0	0: General motion detection 1: Smart Motion detection IPC supports, does not carry this field, the default query in the current motion mode of the configuration

6.7.6.11.3 Request Parameters

None

6.7.6.11.4 Example for Request Parameters

None

6.7.6.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.6.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
```

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```
            {
                "Enabled": 1,
                "ActID": 28,
                "ActParam": {}
            }
        ]
    }
  }
}
```

6.7.6.12 Set the Motion Detection Linkage Action

6.7.6.12.1 Overview

Names	Description
Interface description	Set the Motion Detection Linkage Action
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>
Interface request method	PUT
How to submit data	application/json

6.7.6.12.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
Mode	integer	false	0	0: General motion detection 1: Smart Motion detection IPC supports, does not carry this field, the default query in the current motion mode of the configuration

6.7.6.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage

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Parameter names	Parameter type	Parameter location	Required	Description
				4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: Linkage sound alarm deployment 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.7.6.12.4 Example for Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.7.6.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.7.6.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/LinkageActions?Mode=<Mode>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.13 Queries All Macroblock Areas for Motion Detection of the Specified Video Input Channel

6.7.6.13.1 Overview

Names	Description
Interface description	Queries All Macroblock Areas for Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid
Interface request method	GET
How to submit data	application/json

6.7.6.13.2 URL Description

None

6.7.6.13.3 Request Parameters

None

6.7.6.13.4 Example for Request Parameters

None

6.7.6.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Grid	string	body	true	1, the whole picture is divided into a 22x18 grid, starting from the upper left corner to the lower right corner (from left to right, from top to bottom) a total of 396 grids, numbered in turn. Then the 8-bit number represented by the binary bit (maximum 255) indicates the selected status of the 8 grids: the bit is 1, which means that the grid is selected, and the bit is 0, which means that the region is not selected (from low to high position). All the grids are then converted into an array of 50 8-bit numbers. 2. The array is first compressed by the PackBits algorithm, and then Base64 encoding is used to get the compressed string String length range: [0, 256]

6.7.6.13.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Sensitivity": 50,
      "Grid": "DWAAAYAABj/5mP/mAAAY/gAgP/4A//77//vv/++//74ABvgBG+AAb4ABvh/2+H/YAf8A"
    }
  }
}
```


6.7.6.14 Set All Macroblock Area Information for Motion Detection of the Specified Video Input Channel

6.7.6.14.1 Overview

Names	Description
Interface description	Set All Macroblock Area Information for Motion Detection of the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid
Interface request method	PUT

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Names	Description
How to submit data	application/json

6.7.6.14.2 URL Description

None

6.7.6.14.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Zone enable identifier 0: Disable 1: Enables the function
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Grid	string	body	true	1, the whole picture is divided into a 22x18 grid, starting from the upper left corner to the lower right corner (from left to right, from top to bottom) a total of 396 grids, numbered in turn. Then the 8-bit number represented by the binary bit (maximum 255) indicates the selected status of the 8 grids: the bit is 1, which means that the grid is selected, and the bit is 0, which means that the region is not selected (from low to high position). All the grids are then converted into an array of 50 8-bit numbers. 2. The array is first compressed by the PackBits algorithm, and then Base64 encoding is used to get the compressed string String length range: [0, 256]

6.7.6.14.4 Example for Request Parameters


```
{
    "Enabled": 1,
    "Sensitivity": 50,
    "Grid": "DWAAAYAABj/5mP/mAAAY/gAgP/4A//77//vv/++//74ABvgBG+AAb4ABvh/2+H/YAf8A"
}
```


6.7.6.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.7.6.14.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/Areas/Grid",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.6.15 Query Motion Detection Arming Plan

6.7.6.15.1 Overview

Names	Description
Interface description	Query Motion Detection Arming Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.7.6.15.2 URL Description

None

6.7.6.15.3 Request Parameters

None

6.7.6.15.4 Example for Request Parameters

None

6.7.6.15.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(7 days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.7.6.15.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.7.6.16 Configure Motion Detection Arming Plan

6.7.6.16.1 Overview

Names	Description
Interface description	Configure Motion Detection Arming Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.7.6.16.2 URL Description

None

6.7.6.16.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1

Parameter names	Parameter type	Parameter location	Required	Description
				0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarms of all types can be deployed only in scheduled mode. Video and capture plans are supported The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.7.6.16.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
```

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```
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```

6.7.6.16.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.6.16.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/MotionDetection WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.7 Human Detection

6.7.7.1 Query the Enable Information of Human Detection

6.7.7.1.1 Overview

Names	Description
Interface description	Query the Enable Information of Human Detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Interface request method	GET

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Names	Description
How to submit data	application/json

6.7.7.1.2 URL Description

None

6.7.7.1.3 Request Parameters

None

6.7.7.1.4 Example for Request Parameters

None

6.7.7.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	The Human detection was enabled 0: Disables 1: enabled
++DetectDisplayEnabled	integer	body	false	Human Detection tracking box shows Enable 0: indicates that it is disabled 1: enabled

6.7.7.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "DetectDisplayEnabled": 1
    }
```


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```
  }
}
```

6.7.7.2 Set the Enable Information for Human Detection

6.7.7.2.1 Overview

Names	Description
Interface description	Set the Enable Information for Human Detection (not supported on some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.7.7.2.2 URL Description

None

6.7.7.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Human detection enabled 0: Disables 1: enabled
DetectDisplayEnabled	integer	body	false	Human Detection tracking box shows Enable 0: indicates that it is disabled 1: enabled

6.7.7.2.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "DetectDisplayEnabled": 1
}
```

6.7.7.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.7.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.7.3 Query the Linkage Action for the Human Detection

6.7.7.3.1 Overview

Names	Description
Interface description	Query the Linkage Action for the Human Detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.7.7.3.2 URL Description

None

6.7.7.3.3 Request Parameters

None

6.7.7.3.4 Example for Request Parameters

None

6.7.7.3.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	The linkage item was enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 0: Preview the linkage NVR 2: Linkage E-mail 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 7: Linkage alarm screen 8: storage in the linkage center 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 24: linkage sound alarm 25: Linkage light alarm 28: linkage sound alarm deployment 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.7.7.3.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
}
}
```

6.7.7.4 Set the Linkage Action for Human Detection

6.7.7.4.1 Overview

name	Description
Interface description	Set the Linkage Action for Human Detection (not supported on some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.7.7.4.2 URL Description

None

6.7.7.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported

Parameter names	Parameter type	Parameter location	Required	Description
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 0: Preview the linkage NVR 2: indicates the email linkage 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 7: Linkage alarm screen 8: storage in the linkage center 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 24: linkage sound alarm 25: linkage light alarm 28: linkage sound alarm deployment 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.7.7.4.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.7.7.4.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

Parameter names	Parameter type	Parameter position	Required	Description
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.7.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.7.5 Query the Monitor Plan for Human Detection

6.7.7.5.1 Overview

Names	Description
Interface description	Query the Monitor Plan for Human Detection (not supported by some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.7.7.5.2 URL Description

None

6.7.7.5.3 Request Parameters

None

6.7.7.5.4 Example for Request Parameters

None

6.7.7.5.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Planned days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information Periods of the same day cannot overlap
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.7.7.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.7.7.6 Set Monitor Plan for Human Detection

6.7.7.6.1 Overview

Names	Description
Interface description	Set Monitor Plan for Human Detection (not supported on some models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.7.7.6.2 URL Description

None

6.7.7.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether to enable the monitor plan. This parameter is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days

Parameter names	Parameter type	Parameter location	Required	Description
				IPC Max 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments
+TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time, format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time in the format hh:mm:ss String length range: [0, 11]

6.7.7.6.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 0,
      "Num": 0,
      "TimeSectionInfos": [
        {
          "Begin": "string",
          "End": "string"
        }
      ]
    }
  ]
}
```

6.7.7.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.7.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Alarm/HumanShapeDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.7.7.7 Query All Polygon Detection Areas Information for Human Detection on the Specified Video Input Channel

6.7.7.7.1 Overview

Names	Description
Interface description	Query All Polygon Detection Areas Information for Human Detection on the Specified Video Input Channel (not supported by some models)
Interface version	V1.0
Interface address	/LAPI V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas
Interface request method	GET
How to submit data	application/json

6.7.7.7.2 URL Description

None

6.7.7.7.3 Request Parameters

None

6.7.7.7.4 Example for Request Parameters

None

6.7.7.7.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Detect the number of zones
++PolygonInfoList	object[]	body	true	Check area Information list When Num is 0, this object is optional
+++ID	integer	body	true	Detect area number Starting from 0, the maximum number of zones supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+++DisplayEnabled	integer	body	true	Display zone enable identifier Indicates whether the zone detection box is displayed 0: indicates that it is disabled 1: enabled
+++Sensitivity	integer	body	true	Human detection sensitivity The larger the value, the more sensitive, range: [1, 100]
+++TargetSize	integer	body	true	Object size Range: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6]
+++PointList	object[]	body	true	Detects the vertex coordinates of the area graph When PointNum 0 is used, this node is optional
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.7.7.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 1,
          "DisplayEnabled": 1,
          "Sensitivity": 50,
          "TargetSize": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      ]
    }
  }
}
```


6.7.7.8 Set All Polygon Detection Areas Information for Human Detection on the Specified Video Input Channel

6.7.7.8.1 Overview

Names	Description
Interface description	Set All Polygon Detection Areas Information for Human Detection on the Specified Video Input Channel (not supported on some models)
Interface version	V1.0
Interface address	/LAPI V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas
Interface request method	PUT
How to submit data	application/json

6.7.7.8.2 URL Description

None

6.7.7.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Detect the number of zones
PolygonInfoList	object[]	body	true	Detect the list of area Information When Num is 0, this object is optional
+ID	integer	body	true	Detect area number

Parameter names	Parameter type	Parameter location	Required	Description
				Starting from 0, the maximum number of regions supported can be Geted from the/LAPI/V1.0/Channels/<ID>/Alarm/Capabilities interface
+Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+DisplayEnabled	integer	body	true	Display zone enable identifier Indicates whether the zone detection box is displayed 0: indicates that it is disabled 1: enabled
+Sensitivity	integer	body	true	Human detection sensitivity The larger the value, the more sensitive, range: [1, 100]
+TargetSize	integer	body	true	Object size Range: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon pattern Value range: [0, 6]
+PointList	object[]	body	true	Detects the vertex coordinates of the area graph When PointNum 0, this node is optional
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.7.7.8.4 Example for Request Parameters

```
{
   "Num": 1,
   "PolygonInfoList": [
      {
         "ID": 1,
         "Enabled": 1,
         "DisplayEnabled": 1,
         "Sensitivity": 50,
         "TargetSize": 1,
         "PointNum": 4,
         "PointList": [
            {
               "X": 5000,
               "Y": 5000
            }
         ]
      }
   ]
}
```

6.7.7.8.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.7.7.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/Channels/<ID>/Alarm/HumanShapeDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.8 Images

6.8.1 Query the Image Parameter Capability of the Specified Channel

6.8.1.1 Overview

Names	Description
Interface description	Query the Image Parameter Capability of the Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Capabilities
Interface request method	GET
How to submit data	application/json

6.8.1.2 URL Description

None

6.8.1.3 Request Parameters

None

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6.8.1.4 Example for Request Parameters

None

6.8.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++IsSupportCfg	integer	body	true	Whether the device supports image parameter configuration 0: No 1: Supported
++SupportCorrectCfg	integer	body	false	Whether the device supports image correction 0: No 1: Supported
++SupportIlluminationCfg	integer	body	true	Whether the device supports getting relative illuminance level values 0: No 1: Supported
++SupportEPTZ	integer	body	false	Whether the device supports the electronic PTZ intelligent tracking function 0: No 1: Supported
++SupportMonoColorFusion	integer	body	false	Whether the device supports color infrared dual-channel image fusion 0: No 1: Supported
++Enhance	object	body	true	Image enhancement capability parameters
+++ImageRotationModeNum	integer	body	true	Number of image mirroring modes supported
+++ImageRotationModeList	integer[]	body	false	List of supported image mirroring modes Information This object is optional when the ImageRotationModeNum value is 0 0: Normal 1: Flip vertically 2: Flip horizontally 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise)

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Parameter names	Parameter type	Parameter location	Required	Description
				5:90 degrees left (270 degrees clockwise)
+++IsSupportSharpness	integer	body	true	Whether sharpness is supported 0: No 1: Supported
+++IsSupport2DNoiseReduce	integer	body	true	Whether 2D noise reduction is supported 0: No 1: Supported
+++IsSupport3DNoiseReduce	integer	body	true	Whether 3D noise reduction is supported 0: No 1: Supported
++Focus	object	body	true	Focusing ability parameters
+++SupportFocusCfg	integer	body	true	Whether the configuration of focus parameters is supported 0: not supported 1: Supported
+++FocusModeNum	integer	body	true	Number of supported focusing modes
+++FocusModeList	integer<uint32>[]	body	false	List of supported focusing modes One-click focus: The device triggers a single autofocus when the head rotates, multiplicates, invokes the preset, etc One-key focus (infrared): You can see the low light environment with weak light (such as night or indoor low light, etc.), the use of this focusing mode after turning on the infrared light is better One-key focus (lock): only after the equipment is doubled, auto focus is performed once, and other actions can not trigger focus This node is optional when the FocusModeNum value is 0 0: auto focus 1: Manual focus 2: One-click focus 3: One-click focus (night infrared) 4: One-click focus (lock)
+++FocusSceneNum	integer<uint32>	body	true	Number of supported focusing scenes
+++FocusSceneList	integer<uint32>[]	body	false	Supported focusing scenes Conventional scenes are suitable for focusing common scenes such as roads and parks The ultra-long object distance applies to focusing on remote road scenarios. For example, the installation height of the device is greater than 30m Indoor mode is suitable for focusing in indoor scenes When FocusSceneNum is 0, this object is optional 0: Normal 1: ultra long object distance 2: Indoor mode
++LampCtrl	object	body	true	Fill light ability parameter
+++LampNum	integer<uint32>	body	true	Number of supported fill light types

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Parameter names	Parameter type	Parameter location	Required	Description
				If the value is 0, the device does not support light filling
+++LampInfos	object[]	body	false	Fill light Information list This node is optional when LampNum is 0
++++LampType	integer	body	true	Fill light type 0: No fill light 1: white light 2: infrared light 3: Laser 4: infrared shield light 5: Warm light mode 6: White light and infrared dual light source mode 7: Smart White light mode
++++LampCtrlModeList Num	integer	body	true	Number of supported control modes
++++LampCtrlModeList	integer[]	body	false	Supported control mode Global consideration and overexposure suppression mode: on and off lights and day and night mode linkage, the specific fill light intensity calculated by AE algorithm Preset-road mode or preset-park mode: the on-off light is linked with the day and night mode. The specific intensity of the fill light is calculated in real time by the current variable multiplier and the Angle of the head, combined with the preset table file Manual mode: Linkage with day and night mode, the intensity of the fill light is determined by the interface setting Manual - Forced on mode: does not work with the day and night mode, and forcibly turns on the fill light Night video detection mode: Linkage with day and night mode and intelligent virtual aperture state. The current day and night mode is night and when the intelligent virtual aperture is turned on, the fill light will be turned on, otherwise it will not be turned on, and the opening intensity will be determined by the interface setting When the value of LampCtrlModeListNum is 0, this node is optional 0: overall automatic control 1: overexposure suppression automatic control 2: Preset control - Road mode 3: Manual control mode 4: Preset control - Park mode 5: Light-sensitive automatic mode 6: Indoor automatic mode 7: Manual - Forced on mode 8: Night video detection mode 9: PTZ control mode
++++SupportNearLamp Cfg	integer	body	true	Whether to support low light level configurable 0: Not supported 1: Support

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Parameter names	Parameter type	Parameter location	Required	Description
++++SupportMiddleLampCfg	integer	body	true	Whether to support medium light level configurable 0: Not supported 1: Supported
++++SupportFarLampCfg	integer	body	true	Support high beam level configurable 0: No 1: Supported
++++SupportSuperFarLampCfg	integer	body	true	Support or not for ultra high beam level configurable 0: No 1: Supported
++++SupportLaserAngleCfg	integer	body	true	Whether laser Angle configurable is supported 0: No 1: Supported
++++LaserAngleMin	integer	body	false	Minimum laser Angle If SupportLaserAngleCfg is 0, this object is optional
++++LaserAngleMax	integer	body	false	Laser Angle Max This object is optional if SupportLaserAngleCfg is set to 0
++Exposure	object	body	true	Exposure ability parameters
+++SupportCompensation	integer	body	true	Whether exposure compensation is supported is configurable 0: No 1: Supported
+++ExposureModeNum	integer	body	true	Number of supported exposure modes
+++ExposureModeList	integer[]	body	false	Supported exposure mode This node is optional when ExposureModeNum is set to 0 0: automatic exposure 1: Custom exposure 2: Shutter priority 3: Aperture priority 4: Gain first 5:50Hz indoors 6:60Hz indoors 7: Manual exposure 8: Low drag
+++SupportIrisCfg	integer	body	true	Whether aperture configurable is supported 0: No 1: Supported
+++IrisUnit	integer	body	true	Supported aperture mode 0: F value 1: Percentage
+++IrisRangeNum	integer	body	true	Number of supported aperture values
+++IrisRangeList	integer[]	body	true	Supported aperture value This object is optional when IrisRangeNum is 0 Supported values: 160, 200, 240, 280, 340, 400, 480, 560, 680, 800, 960, 1100, 1400, 1600, 2200

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Parameter names	Parameter type	Parameter location	Required	Description
+++MinGain	integer	body	true	Minimum gain supported
+++MaxGain	integer	body	true	Maximum gain supported
+++SupportHLCCfg	integer	body	true	Whether strong light suppression sensitivity is supported is configurable 0: Not supported 1: Supported
+++SupportMeteringCfg	integer	body	true	Whether metering control is supported is configurable 0: No 1: Supported
+++MeteringModeNum	integer	body	true	Number of supported metering control modes
+++MeteringModeList	integer[]	body	false	Metering control mode This node is optional when MeteringModeNum is 0 0: Central weight 1: zone metering 2: Bright light suppression 3: Vehicle metering 4: Face metering 5: Spot metering 6: Human area metering
+++Shutter	object	body	true	Shutter
++++SupportShutterTimeCfg	integer	body	true	Whether shutter time configuration is supported 0: No 1: Supported
++++ShutterTimeUnit	integer	body	true	Shutter time unit 0: microsecond 1: seconds
++++ShutterTimeRangeNum	integer	body	true	Number of supported shutter time values
++++ShutterTimeRangeList	integer[]	body	false	Shutter time supported value 0: The shutter time is automatic 1:1/1 2:1/2 3:1/3 4:1/4 6:1/6 8:1/8 10:1/10 12:1/12 15:1/15 20:1/20 25:1/25 30:1/30 50:1/50 60:1/60 100:1/100 120:1/120 150:1/150 180:1/180 200:1/200

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Parameter names	Parameter type	Parameter location	Required	Description
				250:1/250 500:1/500 1000:1/1000 2000:1/2000 4000:1/4000 8000:1/8000 50,000:1/50,000 100000:1/100,000
++++SupportSlowShutterCfg	integer	body	true	Whether slow shutter configurable is supported 0: No 1: Supported
++++SlowShutterTimeRangeNum	integer	body	true	Number of supported values for slow shutter time
++++SlowShutterTimeRangeList	integer[]	body	false	Slow shutter time supported value Follow the device capture frame rate change, the parameter is the same as the shutter time support value, value [0, the maximum capture frame rate] 0: The shutter time is automatic 1:1/1 2:1/2 3:1/3 4:1/4 6:1/6 8:1/8 10:1/10 12:1/12 15:1/15 20:1/20 25:1/25
+++WideDynamic	object	body	true	Wide Dynamic
++++SupportWideDynamicCfg	integer	body	true	Whether wide dynamic configurable is supported 0: No 1: Supported
++++WideDynamicModeNum	integer	body	true	Number of wide dynamic patterns supported
++++WideDynamicModeList	integer[]	body	false	Wide Dynamic mode This node is optional when WideDynamicModeNum is 0 0: Off 1: On 2: Automatic 3: Smart (Only some devices support this enumeration)
+++DayNight	object	body	true	Day and night mode
++++SupportDayNightCfg	integer	body	true	Whether to support day/night mode is configurable 0: No 1: Supported
++++DayNightModeNum	integer	body	true	Number of day/night mode types supported

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Parameter names	Parameter type	Parameter location	Required	Description
++++DayNightModeList	integer[]	body	false	Day and Night Mode types 0: Auto mode 1: Daytime - color 2: Night - black and white 3: Linkage color to black
++++SupportSensibilityCfg	integer	body	true	Whether to support day-night mode sensitivity is configurable 0: Not supported 1: Supported
++++SupportSwitchingCfg	integer	body	true	Whether to support day/night mode switching time is configurable 0: Not supported 1: Supported
+++LinearAntiFlickerNum	integer	body	true	The maximum number of exposure modes supported for linear stripe suppression is 9
+++LinearAntiFlickerList	integer[]	body	true	Support List of exposure modes that support linear stripe suppression: Currently only 50hz and 60hz are supported indoors: 0: Auto exposure 1: Custom exposure 2: Shutter priority 3: Aperture priority 4: Gain first 5:50Hz indoors 6:60Hz indoors 7: Manual exposure 8: Low drag
++WhiteBalance	object	body	true	White balance ability parameters
+++WhiteBalanceModeNum	integer	body	true	Number of supported white balance modes Value range: [1, 12], with a maximum of 10 for some device models
+++WhiteBalanceModeList	integer[]	body	true	List of supported white balance mode Information 0: Auto mode 1: Fine tuning mode 2: Indoor mode 3: Outdoor mode 4: Automatic mercury light mode 5: Night fine-tuning mode 6: Automatic sodium lamp mode 7: Lock mode 8: Adaptive night fine-tuning mode 9: Auto Mode 2 10: One-touch trigger mode (supported by only some devices)
++Scene	object	body	true	Scene ability parameters
+++SupportSceneCfg	integer	body	true	Whether scene configurable is supported 0: Not supported 1: Supported
+++SceneTemplateNum	integer	body	false	Number of supported scene templates This parameter is optional if scenarios are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++SceneTypeNum	integer	body	false	Number of supported scene types This parameter is optional when scenarios are not supported
+++SceneTypeList	integer[]	body	false	Supported scenario types When the value of SceneTemplateNum is 0, this node is optional 0: User-defined 1: Indoor 2: Universal 3: License plate 4: Starlight 5: Objectivity 6: Highly sensitive 7: Strong light suppression 8: Wide dynamic 9: Standard 10: Bright 11: Showy 12: Park glare suppression 13: Face 14: Transparent 15: Mixed 16: Perimeter
+++TriggerNum	integer	body	false	Number of trigger conditions supported This parameter is optional when scenarios are not supported
+++EnvironmentTypeNum	integer	body	false	Number of supported environment types This parameter is optional when scenarios are not supported
+++EnvironmentTypeList	integer[]	body	false	Type of environment supported This object is optional when EnvironmentTypeNum is 0 0: environmental illumination 1: tilt Angle of head
++VideAdjustment	object	body	true	Video adjustment parameter ability (only supported on some devices)
+++SupportPNMode	integer	body	true	PN format supported (only supported by some devices)

6.8.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/images/Capabilities",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsSupportCfg": 1,
      "SupportCorrectCfg": 1,
      "SupportIlluminationCfg": 1,
```

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```
"SupportEPTZ": 1,
"SupportMonoColorFusion": 1,
"Enhance": {
  "ImageRotationModeNum": 1,
  "ImageRotationModeList": [
    1
  ],
  "IsSupportSharpness": 1,
  "IsSupport2DNoiseReduce": 0,
  "IsSupport3DNoiseReduce": 0
},
"Focus": {
  "SupportFocusCfg": 1,
  "FocusModeNum": 1,
  "FocusModeList": [
    0
  ],
  "FocusSceneNum": 1,
  "FocusSceneList": [
    0
  ]
},
"LampCtrl": {
  "LampNum": 1,
  "LampInfos": [
    {
      "LampType": 1,
      "LampCtrlModeListNum": 1,
      "LampCtrlModeList": [
        0
      ],
      "SupportNearLampCfg": 0,
      "SupportMiddleLampCfg": 0,
      "SupportFarLampCfg": 0,
      "SupportSuperFarLampCfg": 1,
      "SupportLaserAngleCfg": 0,
      "LaserAngleMin": 0,
      "LaserAngleMax": 30
    }
  ]
},
"Exposure": {
  "SupportCompensation": 1,
  "ExposureModeNum": 1,
  "ExposureModeList": [
    0
  ],
  "SupportIrisCfg": 1,
  "IrisUnit": 0,
  "IrisRangeNum": 1,
  "IrisRangeList": [
    160
  ],
  "MinGain": 1,
  "MaxGain": 100,
  "SupportHLCCfg": 1,
  "SupportMeteringCfg": 1,
  "MeteringModeNum": 1,
  "MeteringModeList": [
    0
  ],
  "Shutter": {
    "SupportShutterTimeCfg": 1,
```

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```
            "ShutterTimeUnit": 1,
            "ShutterTimeRangeNum": 1,
            "ShutterTimeRangeList": [
              4
            ],
            "SupportSlowShutterCfg": 1,
            "SlowShutterTimeRangeNum": 1,
            "SlowShutterTimeRangeList": [
              4
            ]
          },
          "WideDynamic": {
            "SupportWideDynamicCfg": 1,
            "WideDynamicModeNum": 1,
            "WideDynamicModeList": [
              2
            ]
          },
          "DayNight": {
            "SupportDayNightCfg": 1,
            "DayNightModeNum": 1,
            "DayNightModeList": [
              0
            ],
            "SupportSensibilityCfg": 1,
            "SupportSwitchingCfg": 1
          },
          "LinearAntiFlickerNum": 0,
          "LinearAntiFlickerList": [
            0
          ]
        },
        "WhiteBalance": {
          "WhiteBalanceModeNum": 1,
          "WhiteBalanceModeList": [
            0
          ]
        },
        "Scene": {
          "SupportSceneCfg": 1,
          "SceneTemplateNum": 1,
          "SceneTypeNum": 1,
          "SceneTypeList": [
            0
          ],
          "TriggerNum": 4,
          "EnvironmentTypeNum": 1,
          "EnvironmentTypeList": [
            0
          ]
        },
        "VideAdjustment": {
          "SupportPNMode": 0
        }
      }
    }
  }
```


6.8.2 Query the Image Enhancement Parameters of the Specified Channel

6.8.2.1 Overview

Names	Description
Interface description	Query the Image Enhancement Parameters of the Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Enhance
Interface request method	GET
How to submit data	application/json

6.8.2.2 URL Description

None

6.8.2.3 Request Parameters

None

6.8.2.4 Example for Request Parameters

None

6.8.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Brightness	integer	body	true	Brightness Value range: [0, 255]
++Contrast	integer	body	true	Contrast Value range: [0, 255]
++Saturation	integer	body	true	Saturation Value range: [0, 255]
++Sharpness	integer	body	true	Sharpness Value range: [0, 255]
++ImageRotation	integer	body	true	Image Mirror Mode 0: Normal 1: Flip vertically

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Flip horizontally 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise) 5:90 degrees left (270 degrees clockwise)
++2DNoiseReduce	integer	body	true	2D Noise reduction Value range: [0, 255]
++3DNoiseReduce	integer	body	false	3D noise reduction Value range: [0, 255]
++SourceType	integer	body	false	Image input source type 1: Color 2: Infrared

6.8.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "Request interface URL",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "Brightness": 128,
      "Contrast": 128,
      "Saturation": 128,
      "Sharpness": 128,
      "ImageRotation": 1,
      "2DNoiseReduce": 128,
      "3DNoiseReduce": 128
    }
  }
}
```

6.8.3 Set the Image Enhancement Parameters of the Specified Channel

6.8.3.1 Overview

Names	Description
Interface description	Set the Image Enhancement Parameters of the Specified Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Enhance
Interface request method	PUT
How to submit data	application/json

6.8.3.2 URL Description

None

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6.8.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Brightness	integer	body	true	luminance Value range: [0, 255]
Contrast	integer	body	true	Contrast Value range: [0, 255]
Saturation	integer	body	true	Saturation Value range: [0, 255]
Sharpness	integer	body	true	Sharpness Value range: [0, 255]
ImageRotation	integer	body	true	Image Mirror Mode 0: Normal 1: Flip vertically 2: Flip horizontally 3: Horizontal + vertical (180 degrees clockwise) 4:90 degrees to the right (90 degrees clockwise) 5:90 degrees left (270 degrees clockwise)
2DNoiseReduce	integer	body	true	2D Noise reduction Value range: [0, 255]
3DNoiseReduce	integer	body	false	3D noise reduction Value range: [0, 255]
SourceType	integer	body	false	Image input source type 1: Color 2: Infrared

6.8.3.4 Example for Request Parameters

```
{
   "Brightness": 128,
   "Contrast": 128,
   "Saturation": 128,
   "Sharpness": 128,
   "ImageRotation": 1,
   "2DNoiseReduce": 128,
   "3DNoiseReduce": 128
}
```

6.8.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.8.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Enhance",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.8.4 Query the Focusing Parameters for the Specified Video Input Channel

6.8.4.1 Overview

Names	Description
Interface description	Query the Focusing Parameters for the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/FocusInfo
Interface request method	GET
How to submit data	application/json

6.8.4.2 URL Description

None

6.8.4.3 Request Parameters

None

6.8.4.4 Example for Request Parameters

None

6.8.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Mode	integer<uint32>	body	true	Focus mode, supported modes Enumerate searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
++Scene	integer<uint32>	body	false	Focus scene This field is required if the Image Capability set supports this feature Supported focus Scene enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel

6.8.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/FocusInfo ",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "Mode": 1,
      "Scene": 5
    }
  }
}
```

6.8.5 Set the Focusing Parameters for the Specified Video Input Channel

6.8.5.1 Overview

Names	Description
Interface description	Set the Focusing Parameters for the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/FocusInfo

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Names	Description
Interface request method	PUT
How to submit data	application/json

6.8.5.2 URL Description

None

6.8.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Mode	integer<uint32>	body	true	Focus mode, supported modes Enumerate searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
Scene	integer<uint32>	body	false	Focus scene This field is required if the Image Capability set supports this feature Supported focus Scene enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel

6.8.5.4 Example for Request Parameters

```
{
   "Mode": 1,
   "Scene": 5
}
```

6.8.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.8.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/FocusInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.8.6 Query Image Exposure Parameters

6.8.6.1 Overview

Names	Description
Interface description	Queries image exposure parameters for a specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Interface request method	GET
How to submit data	application/json

6.8.6.2 URL Description

None

6.8.6.3 Request Parameters

None

6.8.6.4 Example for Request Parameters

None

6.8.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response result
++SourceType	integer	body	false	Image subtype 0: Color image data type 1: infrared image data type 2: number of image data types
++Mode	integer	body	true	Exposure mode Mode enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
++AERecoveryTime	integer	body	false	Automatic exposure recovery time, in seconds
++CompensationLevel	integer	body	false	Exposure compensation levels Available when the exposure mode is non-manual exposure mode This feature is supported by the Image Capability set. This field is required Value range: [-100, 100]
++HLCSensitivity	integer	body	false	Strong light suppression sensitivity It can be used when the current scene is road strong light suppression and park strong light suppression The image capability set supports this function. This field is required Value range: [1, 9]
++IrisInfo	object	body	false	Aperture Information
+++Iris	integer<uint32>	body	false	Aperture, in units of F-number *100 Optional in aperture priority, manual exposure mode Image capability set supports this function, this field is required, the value enumeration value can be queried Interface: Query the image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned result
+++MinIris	integer<uint32>	body	false	Minimum aperture Available in custom exposure mode Must not be greater than the maximum aperture Image Capability set supports this feature, this field is required Enumerates queriable interfaces: The return result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)
+++MaxIris	integer<uint32>	body	false	Aperture maximum Available in custom exposure mode Must not be less than the aperture minimum Image Capability set supports this function. This field is mandatory Enumerates queriable interfaces: The return result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)

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Parameter names	Parameter type	Parameter location	Required	Description
++ShutterInfo	object	body	false	Shutter Information
+++Shutter	integer	body	false	Shutter time Available in shutter priority mode, manual exposure mode, Low drag mode Value enumeration value and unit searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned results The image capability set supports this function. This field is required
+++MinShutter	integer	body	false	Minimum shutter time Available in custom exposure mode, must not be greater than the maximum shutter time Enumerating the query interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The image capability set supports this function. This field is required
+++MaxShutter	integer	body	false	Maximum shutter time Available in custom exposure mode, must not be less than the minimum shutter time Enumerations can be queried interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The image capability set supports this function. This field is required
+++IsEnableSlowShutter	integer	body	false	Slow shutter enable Image Capability Set supports this feature, this field is required 0: Disables this function 1: enabled
+++SlowestShutter	integer	body	false	The slowest shutter Slow shutter is available when enabled Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel Image capability set supports this feature, this field is required
++GainInfo	object	body	true	Gain Information
+++Gain	integer	body	false	Gain value (in db) Available in manual exposure mode Specific enumeration value and range can be queried interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The image capability set supports this function. This field is required

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Parameter names	Parameter type	Parameter location	Required	Description
+++MinGain	integer	body	false	Gain minimum Available in custom exposure mode, not greater than the maximum gain Range-searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel Image Capability set supports this feature, this field is required
+++MaxGain	integer	body	false	Gain maximum Available in custom exposure mode, not less than the gain minimum Range searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel Image Capability set supports this feature, this field is required
++WideDynamic	object	body	false	Wide dynamic Information
+++Mode	integer	body	true	Wide Dynamic mode Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel
+++Level	integer	body	true	Wide dynamic level configuration Wide Dynamic on and available in exposure mode Auto Mode, Custom, Shutter Priority, indoor 50HZ, indoor 60HZ, Low drag Value range: [1, 9]
+++OpenSensitivity	integer	body	false	Wide dynamic open sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+++CloseSensitivity	integer	body	false	Wide dynamic off sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+++AntiFlicker	integer	body	true	Wide dynamic stripe suppression When this feature is turned on, the stripe effect in the image is eliminated 0: Off 1: On
++Metering	object	body	false	Metering Information
+++Mode	integer<uint32>	body	false	Metering control mode This field is available in non-manual exposure mode Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel The image capability set supports this function. This field is required
+++RefBrightness	integer<uint32>	body	false	Face brightness

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Parameter names	Parameter type	Parameter location	Required	Description
				Available in face metering mode Value range: [0, 100]
+++HoldTime	integer<uint32>	body	false	Minimum duration Available in face metering mode, unit: minutes Value range: [0, 60]
+++Area	object	body	true	Metering area This field is available when the metering mode is area metering and spot metering
++++TopLeft	object	body	true	Top-left coordinates
+++++X	integer<uint32>	body	true	Top left abscissa (scale) Value range: [0, 100]
+++++Y	integer<uint32>	body	true	Top left ordinate (scale) Value range: [0, 100]
++++BottomRight	object	body	true	Bottom-right coordinates
+++++X	integer<uint32>	body	true	The horizontal coordinate of the lower right corner (scale) must not be less than the horizontal coordinate of the upper left corner Value range: [0, 100]
+++++Y	integer<uint32>	body	true	Bottom right corner ordinate (scale), not less than the top left ordinate Value range: [0, 100]
++DayNight	object	body	false	Day and night mode Information
+++Mode	integer	body	false	Day and Night Mode types Enumeration of queryable interfaces: Returns the result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) This field is required if the image capability supports this function
+++Sensitivity	integer	body	false	Day-night mode sensitivity Available when day/night mode is automatic This field is required if the image capability supports this feature 0: Ultra low 1: Low 5: Medium 9: High
+++Time	integer	body	false	Day/night mode Switch time Available when day/night mode is Auto mode, in seconds This field is required if the image capability supports this function Value range: [3, 120]
++LinearAntiFlicker	integer	body	false	Linear stripe suppression level Range: [1, 9] Image Capability Set LinearAntiFlickerList supports this feature, this field is required

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Parameter names	Parameter type	Parameter location	Required	Description
				Some device models do not support it

6.8.6.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "SourceType": 0,
      "Mode": 0,
      "AERecoveryTime": 0,
      "CompensationLevel": 0,
      "HLCSensitivity": 1,
      "IrisInfo": {
        "Iris": 160,
        "MinIris": 160,
        "MaxIris": 200
      },
      "ShutterInfo": {
        "Shutter": 0,
        "MinShutter": 0,
        "MaxShutter": 30,
        "IsEnableSlowShutter": 1,
        "SlowestShutter": 20
      },
      "GainInfo": {
        "Gain": 0,
        "MinGain": 0,
        "MaxGain": 30
      },
      "WideDynamic": {
        "Mode": 1,
        "Level": 1,
        "OpenSensitivity": 1,
        "CloseSensitivity": 1,
        "AntiFlicker": 1
      },
      "Metering": {
        "Mode": 1,
        "RefBrightness": 1,
        "HoldTime": 1,
        "Area": {
          "TopLeft": {
            "X": 25,
            "Y": 25
          },
          "BottomRight": {
            "X": 75,
            "Y": 75
          }
        }
      },
      "DayNight": {
        "Mode": 2,
```


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```
            "Sensitivity": 4,
            "Time": 3
        },
        "LinearAntiFlicker": 1
    }
  }
}
```

6.8.7 Set Image Exposure Parameters

6.8.7.1 Overview

Names	Description
Interface description	Set Image Exposure Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure
Interface request method	PUT
How to submit data	application/json

6.8.7.2 URL Description

None

6.8.7.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
SourceType	integer	body	false	Image subtype 0: Color image data type 1: infrared image data type 2: number of image data types
Mode	integer	body	true	Exposure mode Mode enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
AERecoveryTime	integer	body	false	Automatic exposure recovery time, in seconds
CompensationLevel	integer	body	false	Exposure compensation levels Available when the exposure mode is non-manual exposure mode This feature is supported by the Image Capability set. This field is required Value range: [-100, 100]
HLCSensitivity	integer	body	false	Strong light suppression sensitivity It can be used when the current scene is road strong light suppression and park strong light suppression The image capability set supports this function. This field is required

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [1, 9]
IrisInfo	object	body	false	Aperture Information
+Iris	integer<uint32>	body	false	Aperture, in units of F-number *100 Optional in aperture priority, manual exposure mode Image capability set supports this function, this field is required, the value enumeration value can be queried Interface: Query the image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned result
+MinIris	integer<uint32>	body	false	Minimum aperture Available in custom exposure mode Must not be greater than the maximum aperture Image Capability set supports this feature, this field is required Enumerates queriable interfaces: The return result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)
+MaxIris	integer<uint32>	body	false	Aperture maximum Available in custom exposure mode Must not be less than the aperture minimum Image Capability set supports this function. This field is mandatory Enumerates queriable interfaces: The return result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)
ShutterInfo	object	body	false	Shutter Information
+Shutter	integer	body	false	Shutter time Available in shutter priority mode, manual exposure mode, Low drag mode Value enumeration value and unit searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) returned results The image capability set supports this function. This field is required
+MinShutter	integer	body	false	Minimum shutter time Available in custom exposure mode, must not be greater than the maximum shutter time Enumerating the query interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The image capability set supports this function. This field is required
+MaxShutter	integer	body	false	Maximum shutter time Available in custom exposure mode, must not be less than the minimum shutter time Enumeration of queryable interfaces: Returns the result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)

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Parameter names	Parameter type	Parameter location	Required	Description
				The image capability set supports this function. This field is required
+IsEnableSlowShutter	integer	body	false	Slow shutter enable Image Capability Set supports this feature, this field is required 0: Disables this function 1: enabled
+SlowestShutter	integer	body	false	The slowest shutter Slow shutter is available when enabled Enumeration of searchable interfaces: Returns the result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) Image capability set supports this feature, this field is required
GainInfo	object	body	true	Gain Information
+Gain	integer	body	false	Gain value (in db) Available in manual exposure mode Specific enumeration value and range can be queried interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result The image capability set supports this function. This field is required
+MinGain	integer	body	false	Gain minimum Available in custom exposure mode, must not be greater than the maximum gain Range-searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel Image Capability set supports this feature, this field is required
+MaxGain	integer	body	false	Gain maximum Available in custom exposure mode, not less than the gain minimum Range searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel Image Capability set supports this feature, this field is required
WideDynamic	object	body	false	Wide dynamic Information
+Mode	integer	body	true	Wide Dynamic mode Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel
+Level	integer	body	true	Wide dynamic level configuration

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Parameter names	Parameter type	Parameter location	Required	Description
				Wide Dynamic on and available in exposure mode Auto Mode, Custom, Shutter Priority, indoor 50HZ, indoor 60HZ, Low drag Value range: [1, 9]
+OpenSensitivity	integer	body	false	Wide dynamic open sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+CloseSensitivity	integer	body	false	Wide dynamic off sensitivity Wide dynamic mode is available under auto Value range: [1, 9]
+AntiFlicker	integer	body	true	Wide dynamic stripe suppression When this feature is turned on, it eliminates the stripe effect in the image 0: Off 1: On
Metering	object	body	false	Metering Information
+Mode	integer<uint32>	body	false	Metering control mode This field is available in non-manual exposure mode Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel The image capability set supports this function. This field is required
+RefBrightness	integer<uint32>	body	false	Face brightness Available in face metering mode Value range: [0, 100]
+HoldTime	integer<uint32>	body	false	Minimum duration Available in face metering mode, unit: minute Value range: [0, 60]
+Area	object	body	true	Metering area This field is available when the metering mode is area metering and spot metering
++TopLeft	object	body	true	Top-left coordinates
+++X	integer<uint32>	body	true	Top left abscissa (scale) Value range: [0, 100]
+++Y	integer<uint32>	body	true	Top left ordinate (scale) Value range: [0, 100]
++BottomRight	object	body	true	Bottom-right coordinates
+++X	integer<uint32>	body	true	The horizontal coordinate of the lower right corner (scale) must not be less than the horizontal coordinate of the upper left corner Value range: [0, 100]
+++Y	integer<uint32>	body	true	Bottom right corner ordinate (scale), not less than the top left ordinate Value range: [0, 100]

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Parameter names	Parameter type	Parameter location	Required	Description
DayNight	object	body	false	Day and night mode Information
+Mode	integer	body	false	Day and Night Mode types Enumerating queriable interfaces: Returns the result of Query the Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) of the specified channel This field is required if the image capability supports this function
+Sensitivity	integer	body	false	Day-night mode sensitivity Available when day/night mode is automatic This field is required if the image capability supports this feature 0: Ultra low 1: Low 5: Medium 9: High
+Time	integer	body	false	Day/night mode Switch time Available when day/night mode is Auto mode, in seconds This field is required if the image capability supports this function Value range: [3, 120]
LinearAntiFlicker	integer	body	false	Linear stripe suppression level Range: [1, 9] Image Capability Set LinearAntiFlickerList supports this feature, this field is required Some device models are not supported

6.8.7.4 Examples Of Request Parameters

```
{
   "SourceType": 0,
   "Mode": 0,
   "AERecoveryTime": 0,
   "CompensationLevel": 0,
   "HLCSensitivity": 1,
   "IrisInfo": {
      "Iris": 160,
      "MinIris": 160,
      "MaxIris": 200
   },
   "ShutterInfo": {
      "Shutter": 0,
      "MinShutter": 0,
      "MaxShutter": 30,
      "IsEnableSlowShutter": 1,
      "SlowestShutter": 20
   },
   "GainInfo": {
      "Gain": 0,
      "MinGain": 0,
      "MaxGain": 30
   },
   "WideDynamic": {
      "Mode": 1,
```

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```
        "Level": 1,
        "OpenSensitivity": 1,
        "CloseSensitivity": 1,
        "AntiFlicker": 1
    },
    "Metering": {
        "Mode": 1,
        "RefBrightness": 1,
        "HoldTime": 1,
        "Area": {
            "TopLeft": {
                "X": 25,
                "Y": 25
            },
            "BottomRight": {
                "X": 75,
                "Y": 75
            }
        }
    },
    "DayNight": {
        "Mode": 2,
        "Sensitivity": 4,
        "Time": 3
    },
    "LinearAntiFlicker": 1
}
```

6.8.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.8.7.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Advanced/Exposure".
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.8.8 Query Relative Light Intensity Level

6.8.8.1 Overview

Names	Description
Interface description	Query Relative Light Intensity Level
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/Illumination
Interface request method	GET
How to submit data	application/json

6.8.8.2 URL Description

None

6.8.8.3 Request Parameters

None

6.8.8.4 Example for Request Parameters

None

6.8.8.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	false	Response result
++Value	integer<uint32>	body	false	Relative illuminance level value This value is normalized into a rating range: [0, 255] The higher the level, the higher the overall brightness of the current scene This field is required if the Image Capability set supports this function

6.8.8.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/Illumination ",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "Value": 1
    }
  }
}
```

6.8.9 Set Default Values for Image Parameters

6.8.9.1 Overview

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Names	Description
Interface description	Set Default Values for Image Parameters
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Image/ImageParamReset
Interface request method	PUT
How to submit data	application/json

6.8.9.2 URL Description

None

6.8.9.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Type	integer	body	true	Parameter restores to default values 0: Video Configures the video 1: Configuration of Photo image

6.8.9.4 Example for Request Parameters

```
{
  "Type": 0
}
```

6.8.9.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.8.9.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Image/ImageParamReset",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.8.10 Fill Light Control

6.8.10.1 Query the Fill Light Parameters for a Specified Video Input Channel

6.8.10.1.1 Overview

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Names	Description
Interface description	Query the Fill Light Parameters for a Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.1/Channels/<ID>/Image/LampCtrl
Interface request method	GET
How to submit data	application/json

6.8.10.1.2 URL Description

None

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6.8.10.1.3 Request Parameters

None

6.8.10.1.4 Example for Request Parameters

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None

6.8.10.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enable	integer<uint32>	body	true	Fill light enable switch 0: Off 1: On
++Type	integer<uint32>	body	true	Current fill light type Supported Mode Enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
++Mode	integer<uint32>	body	true	Fill light control mode Supported modes Enumerate searchable interfaces: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
++ECMode	integer<uint32>	body	true	Energy saving fill light mode 0: Disable the energy saving mode 1: Radar linkage mode 2: Intelligent linkage mode
++Num	integer<uint32>	body	true	Number of light sets
++LampList	object[]	body	false	Fill light parameter list This field is optional if Num is 0
+++Type	integer<uint32>	body	true	Type of fill light the device has Supported Mode Enumeration Queryable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
+++Num	integer<uint32>	body	true	The device has the number of light sets
+++PropertyList	object[]	body	false	List of fill light properties This field is optional if ListNum is 0
++++Index	integer<uint32>	body	true	Lamp set Index Value range: [0, 3]
++++Property	integer<uint32>	body	true	Touch up the light distance property

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Low light 1: Medium light 2: High beam 3: Super high beam 4: Laser
++++Level	integer<uint32>	body	true	Fill light grade The higher the level, the greater the intensity of the fill light The smaller the laser Angle, the more concentrated the energy, and the larger the Angle, the more dispersed the energy Laser range searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result Value range: [0, 1000]
++++LaserCtrlCmd	integer<uint32>	body	true	Laser optical axis control command parameter (some devices do not support this parameter)

6.8.10.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.1/Channels/<ID>/Image/LampCtrl ",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "succeed",
    "StatusCode": 0,
    "Data": {
      "Enable": 1,
      "Type": 1,
      "Mode": 1,
      "Num": 1,
      "LampList": [
        {
          "Type": 0,
          "Num": 1,
          "PropertyList": [
            {
              "Index": 0,
              "Property": 0,
              "Level": 5
            }
          ]
        }
      ]
    }
  }
}
```


6.8.10.2 Set the Fill Light Parameters for the Specified Video Input Channel

6.8.10.2.1 Overview

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Names	Description
Interface description	Set the Fill Light Parameters for the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.1/Channels/<ID>/Image/LampCtrl
Interface request method	PUT
How to submit data	application/json

6.8.10.2.2 URL Description

None

6.8.10.2.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Enable	integer<uint32>	body	true	Fill light enable switch 0: Off 1: On
Type	integer<uint32>	body	true	Type of the current fill light Supported Mode Enumeration Searchable interface: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
Mode	integer<uint32>	body	true	Fill light control mode Supported modes Enumerate searchable interfaces: Return result of Query Image parameter capability (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) for a specified channel
ECMode	integer<uint32>	body	true	Energy saving fill light mode 0: Disable the energy saving mode 1: Radar linkage mode 2: Intelligent linkage mode
Num	integer<uint32>	body	true	Number of light sets
LampList	object[]	body	false	Fill light parameter list This field is optional if Num is 0
+Type	integer<uint32>	body	true	Type of fill light the device has Supported Mode enumeration Searchable interface: The return result of Query the Image parameter capability of a specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities)
+Num	integer<uint32>	body	true	The device has the number of light sets
+PropertyList	object[]	body	false	List of fill light properties This field is optional if ListNum is 0
++Index	integer<uint32>	body	true	Lamp set index Value range: [0, 3]

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Parameter name	Parameter type	Parameter location	Required	Description
++Property	integer<uint32>	body	true	Touch up the light distance property 0: Low light 1: medium light 2: High beam 3: Super high beam 4: Laser
++Level	integer<uint32>	body	true	Fill light grade The higher the level, the greater the intensity of the fill light The smaller the laser Angle, the more concentrated the energy, and the larger the Angle, the more dispersed the energy Laser range searchable interface: Query the Image parameter capability of the specified channel (/LAPI/V1.0/Channels/<ID>/Image/Capabilities) return result Value range: [0, 1000]
++LaserCtrlCmd	integer<uint32>	body	true	Laser optical axis control command parameter (some devices do not support this parameter)

6.8.10.2.4 Example for Request Parameters

```
{
   "Enable": 1,
   "Type": 1,
   "Mode": 1,
   "Num": 1,
   "LampList": [
      {
         "Type": 0,
         "Num": 1,
         "PropertyList": [
            {
               "Index": 0,
               "Property": 0,
               "Level": 5
            }
         ]
      }
   ]
}
```

6.8.10.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.8.10.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI V1.1/Channels/<ID>/Image/LampCtrl",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9 Intelligence

6.9.1 Ability

6.9.1.1 Query Channel Smart Capability Set

6.9.1.1.1 Overview

Names	Description
Interface description	Query Channel Smart Capability Set
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/Capabilities
Interface request method	GET
How to submit data	application/json

6.9.1.1.2 URL Description

None

6.9.1.1.3 Request Parameters

None

6.9.1.1.4 Example for Request Parameters

None

6.9.1.1.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FaceDetection	object	body	true	Face detection ability
+++IsSupport	integer	body	true	Face detection ability Whether Smart face detection is supported 0: No 1: Supported
+++QualityAnalysisIsSupport	integer	body	false	Whether the device has face quality priority (report pictures) ability 0: The capability is not supported 1: The capability is supported
+++AttributeAnalysisIsSupport	integer	body	false	Whether the device has the ability to analyze (report) face attributes 0: This capability is not supported 1: The capability is supported
+++PersonSnapshotSupport	integer	body	false	Whether the device has the ability to capture (report) the human body 0: The device does not support the capability 1: The capability is supported
+++FeatureIsSupport	integer	body	false	Face feature value extraction ability Whether the device has the face binary feature extraction (reporting) ability 0: The capability is not supported 1: The capability is supported
+++RecognitionIsSupport	integer	body	false	Whether the device has face recognition capability 0: The capability is not supported 1: The capability is supported
+++RemoveDuplicationIsSupport	integer	body	false	Face deweight ability Not supported on some models 0: This capability is not supported 1: The capability is supported
+++PupilDistanceSizeNum	integer	body	false	Number of interpupillary distance abilities
+++PupilDistanceSizeList	object[]	body	false	Interpupillary ability
++++Resolution	object	body	true	Resolution
+++++Width	integer	body	true	Width, in pixels

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Parameter names	Parameter type	Parameter location	Required	Description
+++++Height	integer	body	true	High, in pixels
++++PupilDistance	object	body	true	Pupil distance Information
+++++Min	integer	body	true	Minimum pupil distance
+++++Max	integer	body	true	Maximum pupil distance
+++VideoOverlayCap	object	body	false	Whether the device has front-end video overlay capability Some models do not support it
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some models do not support it 0: not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some models do not support it 0: Not supported 1: Supported
++ObjTrack	object	body	true	Tracking ability
+++IsSupport	integer	body	true	Whether smart tracking is supported 0: No 1: Supported
+++SupportWeekPlan	integer	body	true	Whether to support the intelligent tracking defense plan 0: No 1: Supported
+++SupportZoomOption	integer	body	true	Whether the zoom mode selection is supported 0: No 1: Supported
+++SupportAudioLinkagePlan	integer	body	false	Whether to support the defense plan for linkage sound alarms Some models do not support it 0: Not supported 1: Supported
+++SupportLightLinkagePlan	integer	body	false	Whether to support the linkage light alarm defense plan Some models do not support it 0: Not supported 1: Supported
+++Mode	integer[]	body	true	Supported smart tracking mode 1: Panoramic tracking mode
+++OverAll	object	body	true	Panoramic tracking ability
++++TrackTimeMin	integer	body	true	Intelligent track minimum time, in s
++++TrackTimeMax	integer	body	true	Maximum intelligent tracking time, in s
+++VideoOverlayCap	object	body	true	Whether the device has front-end video overlay capability Some types are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some types are not supported 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some types are not supported 0: Not supported 1: Supported
++IntrusionDetection	object	body	true	Zone intrusion ability
+++SupportCfg	integer	body	true	Zone intrusion capability, whether to support zone intrusion 0: No 1: Supported
+++Mode	integer	body	false	Smart Mode 0: universal intelligence 1: Deep intelligence
+++SupportDetectObjectList	integer[]	body	false	Supported detection targets Some models not supported 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++SupportObjectSizeFilter	integer	body	false	Whether target size filtering is supported Some models are not supported
+++SupportNum	integer	body	false	Number of detection target types supported Some models are not supported
+++SupportBoxDomeLink	integer	body	true	Master/Slave linkage Indicates whether to support master/slave linkage Some models do not support this function 0: Not supported 1: Supported
+++SupportTrackLink	integer	body	false	Linkage tracing capability: Whether linkage tracing is supported Some models do not support linkage tracking 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
+++VideoOverlayCap	object	body	true	Whether the device has front-end video overlay capability Some types are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some device models do not support it 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Supported
++CrossLineDetection	object	body	true	Out-of-line detection ability
+++SupportCfg	integer	body	true	Outbound detection capability: Whether the outbound detection is supported 0: No 1: Supported
+++Mode	integer	body	false	Intelligent mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportDetectObjectList	integer[]	body	false	Supported detection targets Some device models are not supported 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++SupportObjectSizeFilter	integer	body	false	Whether to support target size filtering Some device models do not support it
+++SupportNum	integer	body	false	Number of detection target types supported Some device models are not supported
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave Some device models do not support this function 0: Not supported 1: Supported
+++SupportTrackLink	integer	body	true	Whether linkage tracking is supported Some device models do not support linkage tracking 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
+++VideoOverlayCap	object	body	false	Whether the device has front-end video overlay capability Some types are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some device models do not support it 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Support
++AccessZone	object	body	true	Enter the zone to detect ability
+++SupportCfg	integer	body	true	Whether access zone detection is supported 0: No 1: Supported
+++Mode	integer	body	false	Smart Mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave Some device models do not support this function 0: Not supported 1: Supported
+++SupportTrackLink	integer	body	false	Whether linkage tracing is supported Some device models do not support linkage tracking 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported
+++VideoOverlayCap	object	body	true	Whether the device has front-end video overlay capability Some device models do not support it
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some device models do not support it 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Supported
++LeaveZone	object	body	true	Leave zone detection ability
+++SupportCfg	integer	body	true	Whether exit zone detection is supported

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Parameter names	Parameter type	Parameter location	Required	Description
				0: No 1: Supported
+++Mode	integer	body	false	Smart Mode 0: Pan-Intelligence 1: Deep intelligence
+++SupportBoxDomeLink	integer	body	true	Whether to support working master/slave Some models do not support linkage 0: Not supported 1: Supported
+++SupportTrackLink	integer	body	true	Whether linkage tracking is supported Some models do not support linkage tracking 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support lighting linkage defense configuration 0: No 1: Supported
+++VideoOverlayCap	object	body	false	Whether the device has front-end video overlay capability Some models do not support it
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some device models do not support it 0: Not supported 1: Support
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Supported
++LinesPeopleCounting	object	body	true	Trip wire head count ability
+++SupportLinesPeopleCounting	integer	body	true	Whether to support trip wire count 0: No 1: Supported
+++SupportDeduplication	integer	body	true	Whether to support deduplication area detection 0: No 1: Supported
+++MaxLineNum	integer	body	true	The device supports a maximum number of trip wire rules Default: 1
+++VideoOverlayCap	object	body	false	Whether the device has front-end video overlay capability Some models do not support it
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target

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Parameter names	Parameter type	Parameter location	Required	Description
				Some device models do not support it 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Supported
++AreasPeopleCounting	object	body	true	Area head count ability
+++SupportAreasPeopleCounting	integer	body	true	Whether to support regional head count 0: No 1: Supported
+++MaxAreaNum	integer	body	true	The device supports the maximum number of zone rules to be configured Default: 1
+++VideoOverlayCap	object	body	false	Whether the device has front-end video overlay capability Some models do not support it
++++SupportMarkObject	integer	body	true	Whether to support video front-end identification detection target Some device models do not support it 0: Not supported 1: Supported
++++SupportDisplayRule	integer	body	true	Whether the video display rule tag is supported Some device models do not support it 0: Not supported 1: Supported
++CrowdDensity	object	body	true	Ability to detect person density
+++SupportCrowdDensity	integer	body	true	Whether to support person density detection 0: No 1: Supported
++AccessElevator	object	body	true	Access detection capability
+++SupportCfg	integer	body	true	Whether Access Elevator Detection is supported 0: No 1: Supported
++RemainArticle	object	body	false	Smart alarm item legacy capability Not supported by some models
+++IsSupport	integer	body	true	Whether the item legacy alarm capability is supported Some models do not support it 0: Not supported 1: Supported
+++ThresholdMin	integer	body	true	Time threshold Minimum Not supported on some models
+++ThresholdMax	integer	body	true	The time threshold indicates the maximum value Not supported by some models

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Parameter names	Parameter type	Parameter location	Required	Description
++RemoveArticle	object	body	true	Smart alarm item legacy capability Not supported by some models
+++IsSupport	integer	body	true	Whether the object removal alarm capability is supported Some models do not support it 0: Not supported 1: Supported
+++ThresholdMin	integer	body	true	Time threshold Minimum Not supported on some models
+++ThresholdMax	integer	body	true	Time threshold Maximum value Not supported by some models
++AttributeCollect	object	body	true	Intelligent alarm attribute collection capability Not supported by some models
+++FaceAttributeNum	integer	body	true	Number of face attributes supported Some models not supported
+++FaceAttributeList	integer[]	body	true	Support face attribute list Some models not supported 0: Age 1: Gender 3: Glasses 7: Face mask
+++PedestrianAttributeNum	integer	body	true	Number of supported human attributes Some models are not supported
+++PedestrianAttributeList	integer[]	body	true	Support a list of human attributes Some models not supported
+++NonMotorVehicleAttributeNum	integer	body	true	Number of supported non-motor vehicle attributes Some models not supported
+++NonMotorVehicleAttributeList	integer[]	body	true	Non-motor vehicle property lists are supported Some models not supported
+++VehicleAttributeNum	integer	body	true	Number of supported motor vehicle attributes Some models not supported
+++VehicleAttributeList	integer[]	body	true	Motor vehicle property lists are supported Some models not supported
++MixDetection	object	body	true	Hybrid Detection ability Not supported on some models
+++IsSupported	integer	body	true	Whether the Hybrid Detection is supported Some models do not support it 0: Not supported 1: Supported
+++PupilDistanceSizeNum	integer	body	true	Number of mixed pupil distance abilities Not supported on some models
+++PupilDistanceSizeList	object	body	true	Mixed pupil distance ability Not supported on some models
++++Resolution	object	body	true	Resolution

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Parameter names	Parameter type	Parameter location	Required	Description
				Not supported on some models
+++++Width	integer	body	true	Width, in pixels Not supported on some models
+++++Height	integer	body	true	Height, in pixels Not supported on some models
+++PupilDistance	object	body	true	Mixed pupil distance Information Not supported on some models
++++Max	integer	body	true	Maximum pupil distance Not supported on some models
++++Min	integer	body	true	Minimum pupil distance Not supported on some models
++TrafficMonitoring	object	body	true	Road monitoring capability Information Not supported on some models
+++IsSupported	integer	body	true	Whether traffic monitoring is supported Some models do not support it 0: not supported 1: Supported
+++MaxLaneNum	integer	body	true	Maximum number of lanes supported Some models not supported
++FlameAndFumesDetection	object	body	true	Pyrotechnic detection ability
+++IsSupported	integer	body	true	Whether or not Flame and Fumes detection is supported 0: No 1: Supported
++MasterSlaveLinkage	object	body	true	Master/slave device capability Not supported by some device models
+++SupportMode	integer	body	true	Supported master/slave mode Some device models do not support this mode 0: The device does not support gun ball linkage function 1: The device supports the gun ball linkage function 2: The device supports the function of gun ball linkage 3: The device supports the structured gun ball linkage function, and the difference from 1 is whether it supports Hybrid Detection at the same time 4: The device supports the structured gun ball linkage function, and the difference with 2 is whether it supports face detection at the same time
++ObjectAttributeOverlayStream	object	body	true	Attribute Overlay Ability Not supported on some models
+++Support	integer	body	true	Whether the target attributes are supported superimposed into the stream Some types are not supported 0: Not supported 1: Supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported Some types are not supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration Some device models do not support it 0: Not supported 1: Support
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration Some device models do not support it 0: Not supported 1: Supported
++FallingObjectsDetection	object	body	true	High altitude parabolic detection capability
+++SupportFallingObjectsDetection	integer	body	true	Whether to support high-altitude parabolic detection 0: No 1: Supported
++SmartMotionDetection	object	body	false	Smart Motion detection ability
+++SupportCfg	integer	body	true	Whether front-end Smart Motion detection is supported 0: No 1: Support
+++SupportDetectObjectList	integer[]	body	true	Support detection object list The list has 3 members, corresponding to motor vehicles, non-motor vehicles and pedestrians respectively 0: Not supported 1: Supported
+++LinkagePlanCfg	object	body	false	Linkage item Defense plan. This parameter is mandatory if supported
++++SupportAudioLinkagePlan	integer	body	true	Whether to support audio defense linkage configuration 0: No 1: Supported
++++SupportLightLinkagePlan	integer	body	true	Whether to support the lighting linkage defense configuration 0: No 1: Supported

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6.9.1.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/1/Smart/Capabilities",
    "CreatedID": -1,
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "StatusString": "Succeed",
```

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```
"Data": {
  "FaceDetection": {
    "IsSupport": 1,
    "QualityAnalysisIsSupport": 1,
    "AttributeAnalysisIsSupport": 1,
    "PersonSnapshotSupport": 0,
    "FeatureIsSupport": 0,
    "RecognitionIsSupport": 0,
    "PupilDistanceSizeNum": 8,
    "PupilDistanceSizeList": [
      {
        "Resolution": {
          "Width": 2688,
          "Height": 1520
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 2560,
          "Height": 1440
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 1920,
          "Height": 1080
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 1280,
          "Height": 720
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 720,
          "Height": 576
        },
        "PupilDistance": {
          "Min": 104,
          "Max": 781
        }
      },
      {
        "Resolution": {
          "Width": 640,
```

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```
                "Height": 360
            },
            "PupilDistance": {
                "Min": 104,
                "Max": 781
            }
        },
        {
            "Resolution": {
                "Width": 704,
                "Height": 288
            },
            "PupilDistance": {
                "Min": 104,
                "Max": 781
            }
        },
        {
            "Resolution": {
                "Width": 352,
                "Height": 288
            },
            "PupilDistance": {
                "Min": 104,
                "Max": 781
            }
        }
    ]
},
"ObjTrack": {
    "IsSupport": 0,
    "SupportWeekPlan": 0,
    "SupportZoomOption": 0,
    "Mode": [
        0,
        0,
        0,
        0,
        0,
        0
    ],
    "OverAll": {
        "TrackTimeMin": 0,
        "TrackTimeMax": 0
    }
},
"IntrusionDetection": {
    "SupportCfg": 0,
    "Mode": 0,
    "LinkagePlanCfg": {
        "SupportAudioLinkagePlan": 1,
        "SupportLightLinkagePlan": 1
    }
},
"CrossLineDetection": {
    "SupportCfg": 0,
    "Mode": 0,
    "LinkagePlanCfg": {
        "SupportAudioLinkagePlan": 1,
        "SupportLightLinkagePlan": 1
    }
},
"AccessZone": {
```

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```
        "SupportCfg": 0,
        "Mode": 0,
        "LinkagePlanCfg": {
            "SupportAudioLinkagePlan": 1,
            "SupportLightLinkagePlan": 1
        }
    },
    "LeaveZone": {
        "SupportCfg": 0,
        "Mode": 0,
        "LinkagePlanCfg": {
            "SupportAudioLinkagePlan": 1,
            "SupportLightLinkagePlan": 1
        }
    },
    "LinesPeopleCounting": {
        "SupportLinesPeopleCounting": 0,
        "SupportDeduplication": 0,
        "MaxLineNum": 1
    },
    "AreasPeopleCounting": {
        "SupportAreasPeopleCounting": 0,
        "MaxAreaNum": 1
    },
    "CrowdDensity": {
        "SupportCrowdDensity": 0
    },
    "AccessElevator": {
        "SupportCfg": 0
    },
    "RemainArticle": {
        "IsSupport": 1,
        "ThresholdMin": 5,
        "ThresholdMax": 20
    },
    "RemoveArticle": {
        "IsSupport": 1,
        "ThresholdMin": 5,
        "ThresholdMax": 20
    },
    "AttributeCollect": {
        "FaceAttributeNum": 1,
        "FaceAttributeList": [
            7
        ],
        "PedestrianAttributeNum": 0,
        "PedestrianAttributeList": [],
        "NonMotorVehicleAttributeNum": 0,
        "NonMotorVehicleAttributeList": [],
        "VehicleAttributeNum": 0,
        "VehicleAttributeList": []
    },
    "MixDetection": {
        "IsSupported": 0
    },
    "TrafficMonitoring": {
        "IsSupported": 0,
        "MaxLaneNum": 4
    },
    "FlameAndFumesDetection": {
        "IsSupported": 0
    },
    "MasterSlaveLinkage": {
```

```
            "SupportMode": 0
        },
        "ObjectAttributeOverlayStream": {
            "Support": 1
        }
    }
  }
}
```

6.9.2 Access Elevator Detection

6.9.2.1 Get the Access Elevator Detection Configuration of a Specified Channel

6.9.2.1.1 Overview

Names	Description
Interface description	Get the Access Elevator Detection Configuration of a Specified Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Interface request method	GET
How to submit data	application/json

6.9.2.1.2 URL Description

None

6.9.2.1.3 Request Parameters

None

6.9.2.1.4 Example for Request Parameters

None

6.9.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter position	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Ladder detection is enabled 0: disabled 1: enabled

6.9.2.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1
    }
  }
}
```

6.9.2.2 Set the Access Elevator Detection Configuration of a Specified Channel

6.9.2.2.1 Overview

Names	Description
Interface description	Set the Access Elevator Detection Configuration of a Specified Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule
Interface request method	PUT
How to submit data	application/json

6.9.2.2.2 URL Description

None

6.9.2.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Ladder detection is enabled 0: disabled 1: enabled

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6.9.2.2.4 Example for Request Parameters

```
{
  "Enabled": 1
}
```

6.9.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.2.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.2.3 Get the Information About the Specified Area of the Access Elevator Detection in the Specified Video Input Channel

6.9.2.3.1 Overview

name	Description
Interface description	Get the Information About the Specified Area of the Access Elevator Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>
Interface request method	GET
How to submit data	application/json

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6.9.2.3.2 URL Description

None

6.9.2.3.3 Request Parameters

None

6.9.2.3.4 Example for Request Parameters

None

6.9.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, a maximum of one region is supported
++Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
++Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6]
++PointList	object[]	body	false	Detect the vertex coordinates of the area graph. When PointNum is 0, this node is optional
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
++Num	integer	body	false	Detect the number of target types
++DetectTargetList	object[]	body	false	Detects the target Information array. This parameter is mandatory when Num is greater than 0
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled

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Parameter names	Parameter type	Parameter location	Required	Description
+++Type	integer	body	true	Detection type 0: Battery car 1: Bicycle
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000] Default value: 10000

6.9.2.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 1,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Num": 3,
      "DetectTargetList": [
        {
          "Enabled": 1,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
```


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```
}
```

6.9.2.4 Set the Information About the Specified Area of the Access Elevator Detection in the Specified Video Input Channel

6.9.2.4.1 Overview

Names	Description
Interface description	Set the Information About the Specified Area of the Access Elevator Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.2.4.2 URL Description

None

6.9.2.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, a maximum of one region is supported
Enabled	integer	body	true	The detection area is enabled 0: disabled 1: enabled
Sensitivity	integer	body	true	Sensitivity, range: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6]
PointList	object[]	body	false	Detect the vertex coordinates of the area graph. When PointNum is 0, this node is optional
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
Num	integer	body	false	Detect the number of target types
DetectTargetList	object[]	body	false	Detects the target Information array. This parameter is mandatory when Num is greater than 0
+Enabled	integer	body	true	Detect switches

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Battery car 1: Bicycle
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 9999]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000] Default value: 10000

6.9.2.4.4 Example for Request Parameters

```
{
   "ID": 1,
   "Enabled": 1,
   "Sensitivity": 1,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ],
   "Num": 3,
   "DetectTargetList": [
      {
         "Enabled": 1,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.9.2.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.2.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.2.5 Query the Linkage Action for Access Elevator Detection

6.9.2.5.1 Overview

Names	Description
Interface description	Query the Linkage Action for Access Elevator Detection (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.2.5.2 URL Description

None

6.9.2.5.3 Request Parameters

None

6.9.2.5.4 Example for Request Parameters

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None

6.9.2.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity
++Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Interworking with FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.2.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.2.6 Set the Linkage Action for Access Elevator Detection

6.9.2.6.1 Overview

Names	Description
Interface description	Set the Linkage Action for Access Elevator Detection (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.2.6.2 URL Description

None

6.9.2.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28

Parameter names	Parameter type	Parameter location	Required	Description
				0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Interworking with FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.2.6.4 Example for Request Parameters

```
{
  "Num": 8,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.2.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.2.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.2.7 Query the Defense Plan for Access Elevator Detection

6.9.2.7.1 Overview

Names	Description
Interface description	Query the Defense Plan for Access Elevator Detection(Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.2.7.2 URL Description

None

6.9.2.7.3 Request Parameters

None

6.9.2.7.4 Example for Request Parameters

None

6.9.2.7.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Plan days Max. 7 (seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
++++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.9.2.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00 ",
```

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```
                "End": "24:00:00"
            }
        ]
    }
  ]
 }
}
}
}
```

6.9.2.8 Configuring a Defense Plan for Access Elevator Detection

6.9.2.8.1 Overview

Names	Description
Interface description	Configuring a Defense Plan for Access Elevator Detection (Not supported by some equipment models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.2.8.2 URL Description

None

6.9.2.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Max. 7 (seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]

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Parameter names	Parameter type	Parameter location	Required	Description
++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.9.2.8.4 Example for Request Parameters

```
{
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00 ",
          "End": "24:00:00"
        }
      ]
    }
  ]
}
```

6.9.2.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.2.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessElevator/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3 Flame and Fumes Detection

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6.9.3.1 Get the Configuration Information of the Flame and Fumes Detection in the Specified Video Input Channel

6.9.3.1.1 Overview

Names	Description
Interface description	Get the Configuration Information of the Flame and Fumes Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/Rule
Interface request method	GET
How to submit data	application/json

6.9.3.1.2 URL Description

None

6.9.3.1.3 Request Parameters

None

6.9.3.1.4 Example for Request Parameters

None

6.9.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Pyrotechnic detection sensitivity Value range: [1, 100] Default value: 80

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Parameter names	Parameter type	Parameter location	Required	Description
++OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: front-end frame stacking

6.9.3.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Sensitivity": 80,
      "OverlayType": 1
    }
  }
}
```

6.9.3.2 Set the Configuration Information of the Flame and Fumes Detection in the Specified Video Input Channel

6.9.3.2.1 Overview

Names	Description
Interface description	Set the Configuration Information of the Flame and Fumes Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.9.3.2.2 URL Description

None

6.9.3.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Pyrotechnic detection sensitivity

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [1, 100] Default value: 80
OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: Front end frame stacking

6.9.3.2.4 Example for Request Parameters

```
{
   "Enabled": 1,
   "Sensitivity": 80,
   "OverlayType": 1
}
```

6.9.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/Rule",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.9.3.3 Add Information About Shielded Areas for Flame and Fumes Detection

6.9.3.3.1 Overview

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Names	Description
Interface description	Add Information About Shielded Areas for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas
Interface request method	POST
How to submit data	application/json

6.9.3.3.2 URL Description

None

6.9.3.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones to mask. A maximum of 24 are supported Some device models do not support this parameter
ShieldAreasInfoList	object[]	body	true	Shielded area Not supported on some device models
Enabled	integer	body	true	Enable switch for a single shielded area 0: Disables it 1: enabled
RuleID	integer	body	true	Mask zone ID, counting from 0 Value range: [0, 3]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.3.3.4 Example for Request Parameters

```
{
    "Num": 0,
    "ShieldAreasInfoList": [
        {}
    ],
```

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```
    "Enabled": 1,
    "RuleID": 0,
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ]
}
```

6.9.3.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.3.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.3.4 Get the Flame and Fumes Detection Shielded Area Configuration

6.9.3.4.1 Overview

Names	Description
Interface description	Get the Flame and Fumes Detection Shielded Area Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas
Interface request method	GET

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Names	Description
How to submit data	application/json

6.9.3.4.2 URL Description

None

6.9.3.4.3 Request Parameters

None

6.9.3.4.4 Example for Request Parameters

None

6.9.3.4.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of shielded areas Value range: [0, 4]
++ShieldAreasInfoList	object	body	true	Mask area Information list. This field is optional when Num is 0
+++Num	integer	body	true	Number of zones to mask. A maximum of 24 are supported Some device models do not support this parameter
+++ShieldAreasInfoList	object[]	body	true	Shielded area Not supported on some device models
+++Enabled	integer	body	true	Enable or disable a single shield area 0: Disables it 1: enabled
+++RuleID	integer	body	true	Mask zone ID, counting from 0 Value range: [0, 3]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0

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Parameter names	Parameter type	Parameter position	Required	Description
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.3.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "ShieldAreasInfoList": {
        "Num": 0,
        "ShieldAreasInfoList": [
          {}
        ],
        "Enabled": 1,
        "RuleID": 0,
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
  }
}
```

6.9.3.5 Set the Flame and Fumes Detection Specified Shielded Area Configuration

6.9.3.5.1 Overview

Names	Description
Interface description	Set the Flame and Fumes Detection Specified Shielded Area Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas/<ID>
Interface request method	PUT

Names	Description
How to submit data	application/json

6.9.3.5.2 URL Description

None

6.9.3.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of zones to mask. A maximum of 24 are supported Some device models do not support this parameter
ShieldAreasInfoList	object[]	body	true	Shielded area Not supported on some device models
Enabled	integer	body	true	Enable switch for a single shielded area 0: Disables it 1: enabled
RuleID	integer	body	true	Mask zone ID, counting from 0 Value range: [0, 3]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.3.5.4 Example for Request Parameters

```
{
    "Num": 0,
    "ShieldAreasInfoList": [
        {}
    ],
    "Enabled": 1,
    "RuleID": 0,
    "PointNum": 4,
    "PointList": [
        {
            "X": 5000,
            "Y": 5000
        }
```

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```
  ]
}
```

6.9.3.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3.6 Delete the Flame and Fumes Detection Specified Shielded Area Configuration

6.9.3.6.1 Overview

Names	Description
Interface description	Delete the Flame and Fumes Detection Specified Shielded Area Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas/<ID>
Interface request method	DELETE
How to submit data	application/json

6.9.3.6.2 URL Description

None

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6.9.3.6.3 Request Parameters

None

6.9.3.6.4 Example for Request Parameters

None

6.9.3.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.6.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldAreas/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.9.3.7 Query the Mask Display Configuration

6.9.3.7.1 Overview

Names	Description
Interface description	Query the Mask Display Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldDisplay
Interface request method	GET
How to submit data	application/json

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6.9.3.7.2 URL Description

None

6.9.3.7.3 Request Parameters

None

6.9.3.7.4 Example for Request Parameters

None

6.9.3.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the zone mask is displayed 0: Not displayed 1: Display

6.9.3.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldDisplay",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0
    }
  }
}
```

6.9.3.8 Set the Mask Display Configuration

6.9.3.8.1 Overview

Names	Description
Interface description	Set the Mask Display Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldDisplay
Interface request method	PUT
How to submit data	application/json

6.9.3.8.2 URL Description

None

6.9.3.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the zone mask is displayed 0: Not displayed 1: Display

6.9.3.8.4 Example for Request Parameters

```
{
  "Enabled": 0
}
```

6.9.3.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/ShieldDisplay",
    "ResponseCode": 0,
```

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```
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.3.9 Set the Linkage Configuration for Flame and Fumes Detection

6.9.3.9.1 Overview

Names	Description
Interface description	Set the Linkage Configuration for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.3.9.2 URL Description

None

6.9.3.9.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: storage in the linkage center 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time

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Parameter names	Parameter type	Parameter location	Required	Description
				14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.3.9.4 Example for Request Parameters

```
{
  "Num": 8,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.3.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3.10 Query the Linkage Configuration of Flame and Fumes Detection

6.9.3.10.1 Overview

Names	Description
Interface description	Query the Linkage Configuration of Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.3.10.2 URL Description

None

6.9.3.10.3 Request Parameters

None

6.9.3.10.4 Example for Request Parameters

None

6.9.3.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13

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Parameter names	Parameter type	Parameter location	Required	Description
++Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+++Enabled	integer	body	false	The linkage item was enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: Linkage starts the local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.3.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
```

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```
  }
}
```

6.9.3.11 Set the Monitor Plan for Flame and Fumes Detection

6.9.3.11.1 Overview

Names	Description
Interface description	Set the Monitor Plan for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.3.11.2 URL Description

None

6.9.3.11.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days Max. 7 (seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

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6.9.3.11.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00 ",
          "End": 24:00:00
        }
      ]
    }
  ]
}
```

6.9.3.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3.12 Get the Monitor Plan Configuration for Flame and Fumes Detection

6.9.3.12.1 Overview

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Names	Description
Interface description	Get the Monitor Plan Configuration for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.3.12.2 URL Description

None

6.9.3.12.3 Request Parameters

None

6.9.3.12.4 Example for Request Parameters

None

6.9.3.12.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days Max. 7 (seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday

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Parameter name	Parameter type	Parameter location	Required	Description
				5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information Periods of the same day cannot overlap
++++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
++++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.9.3.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FlameAndFumesDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00 ",
              "End": "24:00:00"
            }
          ]
        }
      ]
    }
  }
}
```

6.9.3.13 Get Configuration Information for Flame and Fumes Detection Rules

6.9.3.13.1 Overview

Names	Description
Interface description	Get Configuration Information for Flame and Fumes Detection Rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>
Interface request method	GET

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Names	Description
How to submit data	application/json

6.9.3.13.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.9.3.13.3 Request Parameters

None

6.9.3.13.4 Example for Request Parameters

None

6.9.3.13.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	enable 0: disables 1: enabled
++Sensitivity	integer	body	true	Pyrotechnic detection sensitivity Value range: [1, 100] Default value: 80
++OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: front-end frame stacking

6.9.3.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
```

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```
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {
            "Enabled": 1,
            "Sensitivity": 80,
            "OverlayType": 1
        }
    }
}
```

6.9.3.14 Set Flame and Fumes Detection Rules

6.9.3.14.1 Overview

Names	Description
Interface description	Set Flame and Fumes Detection Rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.3.14.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.9.3.14.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
Sensitivity	integer	body	true	Pyrotechnic detection sensitivity Value range: [1, 100] Default value: 80
OverlayType	integer	body	true	Stream overlay target box mode 0: rear end stack frame mode 1: Front end frame stacking

6.9.3.14.4 Example for Request Parameters

```
{
    "Enabled": 1,
    "Sensitivity": 80,
    "OverlayType": 1
```

```
}
```

6.9.3.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.14.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3.15 Get the Configuration of the Flame and Fumes Monitor Monitor Plan

6.9.3.15.1 Overview

Names	Description
Interface description	Get the Configuration of the Flame and Fumes Detection Monitor Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.3.15.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

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6.9.3.15.3 Request Parameters

None

6.9.3.15.4 Example for Request Parameters

None

6.9.3.15.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days Max. 7 (seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+++TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time. The format is hh: mm: ss String length range: [0, 11] Not supported by some device models
++++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11] Not supported by some device models

6.9.3.15.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00 ",
              "End": "24:00:00"
            }
          ]
        }
      ]
    }
  }
}
```

6.9.3.16 Set the Monitor Plan for Flame and Fumes Detection

6.9.3.16.1 Overview

Names	Description
Interface description	Set the Monitor Plan for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.3.16.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.9.3.16.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Max. 7 (seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+TimeSectionInfos	object[]	body	false	Defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11] Not supported by some device models
++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11] Not supported by some device models

6.9.3.16.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00 ",
          "End": "24:00:00"
        }
      ]
    }
  ]
}
```

6.9.3.16.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.16.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/WeekPlan?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.3.17 Get the Flame and Fumes Detection Linkage Configuration

6.9.3.17.1 Overview

Names	Description
Interface description	Get the Flame and Fumes Detection Linkage Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.3.17.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.9.3.17.3 Request Parameters

None

6.9.3.17.4 Example for Request Parameters

None

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6.9.3.17.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
++Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: linkage alarm is reported 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.3.17.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.3.18 Set the Linkage Configuration for Flame and Fumes Detection

6.9.3.18.1 Overview

Names	Description
Interface description	Set the Linkage Configuration for Flame and Fumes Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.3.18.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	true	1	Channel ID

6.9.3.18.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0

Parameter names	Parameter type	Parameter location	Required	Description
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: storage in the linkage center 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.3.18.4 Example for Request Parameters

```
{
   "Num": 8,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.9.3.18.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.3.18.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/FlameAndFumesDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.4 Face Detection

6.9.4.1 Get the Face Detection Enable/Disable Configuration

6.9.4.1.1 Overview

Names	Description
Interface description	Gets the Enable/Disable configuration of face/human detection for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Interface request method	GET
How to submit data	application/json

6.9.4.1.2 URL Description

None

6.9.4.1.3 Request Parameters

None

6.9.4.1.4 Example for Request Parameters

None

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6.9.4.1.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Face detection enable switch. This parameter is the overall switch of all kinds of intelligence related to face/human detection 0: disables the function 1: enabled

6.9.4.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0
    }
  }
}
```

6.9.4.2 Set the Face Detection Enable/Disable Configuration

6.9.4.2.1 Overview

Names	Description
Interface description	Set the nable/Disable configuration for face/body detection for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable
Interface request method	PUT
How to submit data	application/json

6.9.4.2.2 URL Description

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None

6.9.4.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Face detection enable switch. This parameter is the overall switch of all kinds of intelligence related to face/human detection 0: disables the function 1: enabled

6.9.4.2.4 Example for Request Parameters

```
{
   "Enabled": 0
}
```

6.9.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceEnable",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.9.4.3 Get the Configurations of Face Detection Rules

6.9.4.3.1 Overview

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Names	Description
Interface description	Gets the specified video channel face/face detection/face comparison rule configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.4.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.3.3 Request Parameters

None

6.9.4.3.4 Example for Request Parameters

None

6.9.4.3.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++FaceCount	object	body	false	Face statistics configuration item
+++Enabled	integer	body	true	Enable switch, face/number count based on face detection implementation 0: Disable 1: Enables the function
+++Direction	integer	body	true	Statistical direction, number of people/face statistical direction 0: The statistical direction is enter 1: indicates the departure direction

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Parameter names	Parameter type	Parameter position	Required	Description
++FaceSnapshot	object	body	true	Face capture configuration item
+++Mode	integer	body	true	Face capture mode Default: 1 1: Smart trigger 2: switch quantity trigger 3: Intelligent trigger + switch quantity trigger
+++Num	integer	body	true	Number of face snap pictures Default: 10 Value range: [1, 30]
+++MarkFace	integer	body	true	Face stack frame switch, if capturing a large picture, mark the face position in the large picture Default: 1 0: Turn off face stack frame 1: Turn on face stack
++PersonSnapshot	object	body	true	Body snap
+++Enabled	integer	body	true	Body snap Enable 0: Disables 1: Enables the function
++FaceQualityAnalysis	object	body	false	Quality analysis configuration parameters
+++Enabled	integer	body	true	Enable face quality analysis 0: disabled 1: enabled
+++Mode	integer	body	true	Face quality analysis mode 0: Ordinary mode, how many times a target appears quality analysis several times 1: Speed priority mode, a target appears only once quality analysis 2: Fast mode, the number of quality analysis of a target is determined by the PreferenceFastNum parameter
+++PreferenceFastNum	integer	body	true	The number of times analyzed in periodic preferred mode is valid only in periodic preferred mode
++FaceQualityAnalysisEx	object	body	true	Quality preference extension field
+++Enabled	integer	body	true	Enable face quality analysis switch 0: disables it 1: enabled
+++Mode	integer	body	true	Face Quality analysis mode, Effect priority mode: The camera detects a face and continues to track it until the face leaves the frame to output the highest quality snap image from the previously detected image. Speed preference: according to different speed levels, the output of the highest quality within a limited time, the same target is only reported once. Cycle optimization: every fixed cycle, the algorithm automatically selects, and outputs the optimal face in order of face detection (the main application scenario is the interactive face comparison scene) 0: effect priority mode 1: Speed first mode

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Parameter names	Parameter type	Parameter position	Required	Description
				2: Cycle priority mode
+++PreferenceLastTime	integer	body	true	Face preference duration in fast mode, in seconds. This parameter is valid when the face quality analysis mode is speed first Value range: [1, 1800] Default value: 5
+++QualityNum	integer	body	true	Face preference, this parameter is valid in effect first and speed first modes Value range: [1, 3]
+++IntervalTime	integer	body	true	Face cycle Preferred cycle upload time, unit: ms. This parameter is valid when the face optimization mode is periodic optimization Default value: 500 Value range: [100, 1800000]
+++IsUploadLarge	integer	body	true	Whether to upload panoramic images periodically. This parameter is used when the period is preferred 0: Disable 1: enabled
+++FaceAngleFilterInfo	object	body	true	Face Angle filtering parameter
++++Enabled	integer	body	true	Face Angle filter switch 0: Disable 1: enabled
++++RollAngleLeft	integer	body	true	Left roll Angle, rotate to the left about the right hand coordinate z-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++++RollAngleRight	integer	body	true	Right roll Angle, rotate to the left about the right hand coordinate z-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++++YawAngleLeft	integer	body	true	Left yaw Angle, rotated to the left about the right hand coordinate Y-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++++YawAngleRight	integer	body	true	Right yaw Angle, rotated to the left about the right hand coordinate Y-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++++PitchAngleUp	integer	body	true	Up pitch Angle, rotate up about the right-hand coordinate system X axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40

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Parameter names	Parameter type	Parameter position	Required	Description
++++PitchAngleDown	integer	body	true	Lower pitch Angle, rotated up about the right-hand coordinate system X axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
+++FaceRemoveDuplicationInfo	object	body	true	Face deweight Not supported on some device models
++++Enabled	integer	body	true	Face deredo enable Some device models are not supported
++++SimilarityThreshold	integer	body	true	Similarity threshold, value range: [1, 100], default: 80 Not supported by some device models
++++EvaluationThreshold	integer	body	true	Score threshold, value range: [1, 100] Default: 50 Not supported by some device models
++++UpdateTime	integer	body	true	Update time (s). Value range: [1, 300], Default: 60 Not supported by some device models
++FaceRecognition	object	body	true	Face recognition configuration item
+++Enabled	integer	body	true	Face comparison switch 0: disables 1: enabled
++LiveOverlay	object	body	true	Stream overlays target Information Some device models support VideoOverlay
+++Enabled	integer	body	true	Whether to enable stream overlay target Information Some device models do not support it 0: No 1: Yes
++VideoOverlay	object	body	true	Stream overlays target Information Some device models support LiveOverlay
+++MarkObject	integer	body	true	Enable Stream overlay target Information 0: Off 1: On
++FaceAttributeAnalysis	object	body	true	Property Face recognition configuration
+++Enabled	integer	body	true	Face attribute switch 0: Off 1: On
+++SexEnabled	integer	body	true	Gender Attribute Switch 0: Off 1: On
+++AgeEnabled	integer	body	true	Age Attribute Switch 0: Off 1: On
+++GlassEnabled	integer	body	true	Glasses Properties Switch 0: Off 1: On

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Parameter names	Parameter type	Parameter position	Required	Description
++StaticObjectDetection	object	body	true	Face human stationary target detection
+++PersonEnabled	integer	body	true	Static human static target detection switch
+++FaceEnabled	integer	body	true	Static face detection switch

6.9.4.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "FaceCount": {
        "Enabled": 0,
        "Direction": 0
      },
      "FaceSnapshot": {
        "Mode": 1,
        "Num": 1,
        "MarkFace": 1
      },
      "PersonSnapshot": {
        "Enabled": 1
      },
      "FaceQualityAnalysis": {
        "Enabled": 1,
        "Mode": 0,
        "PreferenceFastNum": 0
      },
      "FaceQualityAnalysisEx": {
        "Enabled": 0,
        "Mode": 0,
        "PreferenceLastTime": 3,
        "QualityNum": 1,
        "IntervalTime": 1000,
        "IsUploadLarge": 1,
        "FaceAngleFilterInfo": {
          "Enabled": 0,
          "RollAngleLeft": 40,
          "RollAngleRight": 40,
          "YawAngleLeft": 40,
          "YawAngleRight": 40,
          "PitchAngleUp": 40,
          "PitchAngleDown": 40
        },
        "FaceRemoveDuplicationInfo": {
          "Enabled": 0,
          "SimilarityThreshold": 1,
          "EvaluationThreshold": 1,
          "UpdateTime": 1
        }
      },
      "FaceRecognition": {
```


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```
            "Enabled": 0
        },
        "LiveOverlay": {
            "Enabled": 1
        },
        "VideoOverlay": {
            "MarkObject": 1
        },
        "FaceAttributeAnalysis": {
            "Enabled": 1,
            "SexEnabled": 1,
            "AgeEnabled": 1,
            "GlassEnabled": 1
        },
        "StaticObjectDetection": {
            "PersonEnabled": 0,
            "FaceEnabled": 0
        }
    }
  }
}
```

6.9.4.4 Set the Face Detection Rule Configuration

6.9.4.4.1 Overview

Names	Description
Interface description	Set the face detection rule configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.4.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
FaceCount	object	body	false	Face statistics configuration item This parameter is mandatory when the device supports it
+Enabled	integer	body	true	Enable switch, face/number count based on face detection implementation 0: Disable 1: Enables the function

Parameter names	Parameter type	Parameter location	Required	Description
+Direction	integer	body	true	Statistical direction, number of people/face statistical direction 0: The statistical direction is enter 1: indicates the departure direction
FaceSnapshot	object	body	true	Face capture configuration item
+Mode	integer	body	true	Face capture mode Default: 1 1: Smart trigger 2: switch quantity trigger 3: Intelligent trigger + switch quantity trigger
+Num	integer	body	true	Number of face snap pictures Default: 10 Value range: [1, 30]
+MarkFace	integer	body	true	Face stack frame switch, if capturing a large picture, mark the face position in the large picture Default: 1 0: Turn off face stack frame 1: Turn on face stack
PersonSnapshot	object	body	true	Body snap
+Enabled	integer	body	true	Body snap Enable 0: Disables 1: Enables the function
FaceQualityAnalysis	object	body	false	Quality analysis configuration parameters
+Enabled	integer	body	true	Enable face quality analysis 0: disabled 1: enabled
+Mode	integer	body	true	Face quality analysis mode 0: Ordinary mode, how many times a target appears quality analysis several times 1: Speed priority mode, a target appears only once quality analysis 2: Fast mode, the number of quality analysis of a target is determined by the PreferenceFastNum parameter
+PreferenceFastNum	integer	body	true	The number of times analyzed in periodic preferred mode is valid only in periodic preferred mode
FaceQualityAnalysisEx	object	body	true	Quality preference extension field
+Enabled	integer	body	true	Enable face quality analysis switch 0: disables it 1: enabled
+Mode	integer	body	true	Face Quality analysis mode, Effect priority mode: The camera detects a face and continues to track it until the face leaves the frame to output the highest quality snap image from the previously detected image. Speed preference: according to different speed levels, the output of the highest quality within a limited time, the same target is only reported once. Cycle optimization: every fixed cycle, the algorithm automatically selects, and outputs the optimal face in order

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Parameter names	Parameter type	Parameter location	Required	Description
				of face detection (the main application scenario is the interactive face comparison scene) 0: effect priority mode 1: Speed first mode 2: Cycle priority mode
+PreferenceLastTime	integer	body	true	Face preference duration in fast mode, in seconds. This parameter is valid when the face quality analysis mode is speed first Value range: [1, 1800] Default value: 5
+QualityNum	integer	body	true	Face preference, this parameter is valid in effect first and speed first modes Value range: [1, 3]
+IntervalTime	integer	body	true	Face cycle Preferred cycle upload time, unit: ms. This parameter is valid when the face optimization mode is periodic optimization Default value: 500 Value range: [100, 1800000]
+IsUploadLarge	integer	body	true	Whether to upload panoramic images periodically. This parameter is used when the period is preferred 0: Disable 1: enabled
+FaceAngleFilterInfo	object	body	true	Face Angle filtering parameter
++Enabled	integer	body	true	Face Angle filter switch 0: Disable 1: enabled
++RollAngleLeft	integer	body	true	Left roll Angle, rotate to the left about the right hand coordinate z-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++RollAngleRight	integer	body	true	Right roll Angle, rotate to the left about the right hand coordinate z-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++YawAngleLeft	integer	body	true	Left yaw Angle, rotated to the left about the right hand coordinate Y-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++YawAngleRight	integer	body	true	Right yaw Angle, rotated to the left about the right hand coordinate Y-axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
++PitchAngleUp	integer	body	true	Up pitch Angle, rotate up about the right-hand coordinate system X axis. Units: degrees Value range: [0, 60]

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Parameter names	Parameter type	Parameter location	Required	Description
				0 degree: refers to the face level, forward Default: 40
++PitchAngleDown	integer	body	true	Lower pitch Angle, rotated up about the right-hand coordinate system X axis. Units: degrees Value range: [0, 60] 0 degree: refers to the face level, forward Default: 40
+FaceRemoveDuplicationInfo	object	body	true	Face deweight Not supported on some device models
++Enabled	integer	body	true	Face deredo enable Some device models are not supported
++SimilarityThreshold	integer	body	true	Similarity threshold, value range: [1, 100], default: 80 Not supported by some device models
++EvaluationThreshold	integer	body	true	Score threshold, value range: [1, 100] Default: 50 Not supported by some device models
++UpdateTime	integer	body	true	Update time (s). Value range: [1, 300], Default: 60 Not supported by some device models
FaceRecognition	object	body	true	Face recognition configuration item
+Enabled	integer	body	true	Face comparison switch 0: disables 1: enabled
LiveOverlay	object	body	true	Stream overlays target Information Some device models support VideoOverlay
+Enabled	integer	body	true	Whether to enable stream overlay target Information Some device models do not support it 0: No 1: Yes
VideoOverlay	object	body	true	Stream overlays target Information Some device models support LiveOverlay
+MarkObject	integer	body	true	Enable Stream overlay target Information 0: Off 1: On
FaceAttributeAnalysis	object	body	true	Property Face recognition configuration
+Enabled	integer	body	true	Face attribute switch 0: Off 1: On
+SexEnabled	integer	body	true	Gender Attribute Switch 0: Off 1: On
+AgeEnabled	integer	body	true	Age Attribute Switch 0: Off 1: On
+GlassEnabled	integer	body	true	Glasses Properties Switch

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Off 1: On
StaticObjectDetection	object	body	true	Face human stationary target detection
+PersonEnabled	integer	body	true	Static human static target detection switch
+FaceEnabled	integer	body	true	Static face detection switch

6.9.4.4.4 Example for Request Parameters

```
{
  "FaceCount": {
    "Enabled": 0,
    "Direction": 0
  },
  "FaceSnapshot": {
    "Mode": 1,
    "Num": 1,
    "MarkFace": 1
  },
  "PersonSnapshot": {
    "Enabled": 1
  },
  "FaceQualityAnalysis": {
    "Enabled": 1,
    "Mode": 0,
    "PreferenceFastNum": 0
  },
  "FaceQualityAnalysisEx": {
    "Enabled": 0,
    "Mode": 0,
    "PreferenceLastTime": 3,
    "QualityNum": 1,
    "IntervalTime": 1000,
    "IsUploadLarge": 1,
    "FaceAngleFilterInfo": {
      "Enabled": 0,
      "RollAngleLeft": 40,
      "RollAngleRight": 40,
      "YawAngleLeft": 40,
      "YawAngleRight": 40,
      "PitchAngleUp": 40,
      "PitchAngleDown": 40
    },
    "FaceRemoveDuplicationInfo": {
      "Enabled": 0,
      "SimilarityThreshold": 1,
      "EvaluationThreshold": 1,
      "UpdateTime": 1
    }
  },
  "FaceRecognition": {
    "Enabled": 0
  },
  "LiveOverlay": {
    "Enabled": 1
  },
```

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```
    "VideoOverlay": {
        "MarkObject": 1
    },
    "FaceAttributeAnalysis": {
        "Enabled": 1,
        "SexEnabled": 1,
        "AgeEnabled": 1,
        "GlassEnabled": 1
    },
    "StaticObjectDetection": {
        "PersonEnabled": 0,
        "FaceEnabled": 0
    }
}
```

6.9.4.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.4.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Rule?ChannelID=<ChannelID>",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.4.5 Get the Face Detection Area Configuration

6.9.4.5.1 Overview

name	Description
Interface description	Gets the face detection area configuration for the specified video channel
Interface version	V1.0

name	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.4.5.2 URL Description

Parameter names	Parameter type	Required	Example value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.5.3 Request Parameters

None

6.9.4.5.4 Example for Request Parameters

None

6.9.4.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++EntireImageEnabled	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
++Num	integer	body	true	Maximum number of detection areas, 0 can be filled in for full-screen detection Value range: [0, 1] Default value: 1
++Polygons	object[]	body	true	Detect the list of zone parameters
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
+++FaceCalibrationSize	object	body	true	Face calibration parameter Information

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Parameter names	Parameter type	Parameter location	Required	Description
				Not supported by some device types
++++WidthMin	integer	body	true	Minimum dimension width of face, expressed by ratio of ten thousand to ten thousand Not supported by some device types
++++HeightMin	integer	body	true	Minimum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
++++WidthMid	integer	body	true	Face middle dimension width, 10,000th ratio expressed Not supported by some device types
++++HeightMid	integer	body	true	Face middle size height, 10,000th ratio expressed Not supported by some device types
++++WidthMax	integer	body	true	The maximum dimension width of a face, expressed by a ratio of 10,000 to 10,000 Some device types are not supported
++++HeightMax	integer	body	true	Maximum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
+++PupilDistanceMin	integer	body	true	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio Value range: [1,] Default value: 40
+++PointNum	integer	body	true	Detects the number of vertices in the zone graph Value range: [1, 6]
+++Points	object[]	body	true	Detects the coordinates of each vertex of the area graph, in units of 10,000 to 10,000
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.4.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "EntireImageEnabled": 0,
      "Num": 1,
      "Polygons": [
        {
```


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```
            "Sensitivity": 50,
            "FaceCalibrationSize": {
              "WidthMin": 0,
              "HeightMin": 0,
              "WidthMid": 0,
              "HeightMid": 0,
              "WidthMax": 0,
              "HeightMax": 0
            },
            "PupilDistanceMin": 40,
            "PointNum": 4,
            "Points": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        ]
      }
    }
}
```

6.9.4.6 Set the Face Detection Area Configuration

6.9.4.6.1 Overview

Names	Description
Interface description	Set the face detection area configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.6.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
EntireImageEnabled	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
Num	integer	body	true	Maximum number of detection areas, 0 can be filled in for full-screen detection Value range: [0, 1]

Parameter names	Parameter type	Parameter location	Required	Description
				Default value: 1
Polygons	object[]	body	true	Detect the list of zone parameters
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
+FaceCalibrationSize	object	body	true	Face calibration parameter Information Not supported by some device types
++WidthMin	integer	body	true	Minimum dimension width of face, expressed by ratio of ten thousand to ten thousand Not supported by some device types
++HeightMin	integer	body	true	Minimum face size height, 10,000 to 10,000 ratio Not supported by some device types
++WidthMid	integer	body	true	Face middle dimension width, 10,000th ratio expressed Not supported by some device types
++HeightMid	integer	body	true	Face middle size height, 10,000th ratio expressed Not supported by some device types
++WidthMax	integer	body	true	The maximum dimension width of a face, expressed by a ratio of 10,000 to 10,000 Not supported by some device types
++HeightMax	integer	body	true	Maximum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
+PupilDistanceMin	integer	body	true	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio Value range: [1,] Default value: 40
+PointNum	integer	body	true	Detects the number of vertices in the zone graph Value range: [1, 6]
+Points	object[]	body	true	Detects the coordinates of each vertex of the area graph, in units of 10,000 to 10,000
++X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.4.6.4 Example for Request Parameters

```
{
  "EntireImageEnabled": 0,
  "Num": 1,
```

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```
  "Polygons": [
    {
      "Sensitivity": 50,
      "FaceCalibrationSize": {
        "WidthMin": 0,
        "HeightMin": 0,
        "WidthMid": 0,
        "HeightMid": 0,
        "WidthMax": 0,
        "HeightMax": 0
      },
      "PupilDistanceMin": 40,
      "PointNum": 4,
      "Points": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  ]
}
```

6.9.4.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.4.7 Get the Specified Face Detection Area Configuration

6.9.4.7.1 Overview

Names	Description
Interface description	Get the configuration of the specified face detection area ID for the specified video channel (not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.4.7.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.7.3 Request Parameters

None

6.9.4.7.4 Example for Request Parameters

None

6.9.4.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
++FaceCalibrationSize	object	body	true	Face calibration parameter Information Not supported by some device types
+++WidthMin	integer	body	true	Minimum dimension width of face, expressed by ratio of ten thousand to ten thousand Some device types are not supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++HeightMin	integer	body	true	Minimum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
+++WidthMid	integer	body	true	Face middle dimension width, 10,000th ratio expressed Not supported by some device types
+++HeightMid	integer	body	true	Face middle size height, 10,000th ratio expressed Not supported by some device types
+++WidthMax	integer	body	true	The maximum dimension width of a face, expressed by a ratio of 10,000 to 10,000 Not supported by some device types
+++HeightMax	integer	body	true	Maximum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
++PupilDistanceMin	integer	body	true	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio Value range: [1,] Default value: 40
++PointNum	integer	body	true	Detects the number of vertices in the zone graph Value range: [1, 6]
++Points	object[]	body	true	Detection area graph vertex coordinates, unit: 10,000th ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.4.7.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Sensitivity": 50,
      "FaceCalibrationSize": {
        "WidthMin": 0,
        "HeightMin": 0,
        "WidthMid": 0,
        "HeightMid": 0,
        "WidthMax": 0,
        "HeightMax": 0
      },
      "PupilDistanceMin": 40,
      "PointNum": 4,
```


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```
        "Points": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
}
```

6.9.4.8 Set the Specified Face Detection Area Configuration

6.9.4.8.1 Overview

name	Description
Interface description	Set the configuration of the specified face detection area ID for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.8.2 URL Description

Parameter names	Parameter type	Required	Example value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
FaceCalibrationSize	object	body	true	Face calibration parameter Information Not supported by some device types
+WidthMin	integer	body	true	Minimum dimension width of face, expressed by ratio of ten thousand to ten thousand Not supported by some device types
+HeightMin	integer	body	true	Minimum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
+WidthMid	integer	body	true	Face middle dimension width, 10,000th ratio expressed Not supported by some device types
+HeightMid	integer	body	true	Face middle size height, 10,000th ratio expressed Not supported by some device types

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Parameter names	Parameter type	Parameter location	Required	Description
+WidthMax	integer	body	true	The maximum dimension width of a face, expressed by a ratio of 10,000 to 10,000 Not supported by some device types
+HeightMax	integer	body	true	Maximum face size height, 10,000 to 10,000 ratio expressed Not supported by some device types
PupilDistanceMin	integer	body	true	Minimum face pupil distance, filter according to the distance between two eyes, less than the minimum pupil distance configuration of the target will be filtered, unit: 10,000 ratio Value range: [1,] Default value: 40
PointNum	integer	body	true	Detects the number of vertices in the zone graph Value range: [1, 6]
Points	object[]	body	true	Detection area graph vertex coordinates, unit: 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.4.8.4 Example for Request Parameters

```
{
  "Sensitivity": 50,
  "FaceCalibrationSize": {
    "WidthMin": 0,
    "HeightMin": 0,
    "WidthMid": 0,
    "HeightMid": 0,
    "WidthMax": 0,
    "HeightMax": 0
  },
  "PupilDistanceMin": 40,
  "PointNum": 4,
  "Points": [
    {
      "X": 5000,
      "Y": 5000
    }
  ]
}
```

6.9.4.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/Areas/Detections/<ID>?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.4.9 Get the Face Detection Linkage Action Configuration

6.9.4.9.1 Overview

Names	Description
Interface description	Gets the face detection linkage action configuration for the specified video channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.4.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.9.3 Request Parameters

None

6.9.4.9.4 Example for Request Parameters

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None

6.9.4.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the photo to E-mail 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.4.9.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.4.10 Set the Face Detection Linkage Action Configuration

6.9.4.10.1 Overview

Names	Description
Interface description	Set the face detection linkage action configuration of the specified channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.10.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.10.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This parameter is mandatory when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled

Parameter name	Parameter type	Parameter location	Required	Description
				ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.4.10.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.4.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter Name	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/LinkageActions?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.4.11 Get the Face Detection Monitor Plan Configuration

6.9.4.11.1 Overview

Names	Description
Interface description	Get the Face Detection Monitor Plan Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>
Interface request method	GET
How to submit data	application/json

6.9.4.11.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.11.3 Request Parameters

None

6.9.4.11.4 Example for Request Parameters

None

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6.9.4.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: Enables the function
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Weekly defense index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check

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Parameter names	Parameter type	Parameter location	Required	Description
				2: Police 3: Motion and call the police 4: Start inspection or alarm 5: No plan 10: Events

6.9.4.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.9.4.12 Configuring the Face Detection Monitor Plan

6.9.4.12.1 Overview

name	Description
Interface description	Configuring the Face Detection Monitor Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.12.2 URL Description

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Parameter names	Parameter type	Required	Example value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.4.12.4 Example for Request Parameters

```
{
    "Num": 1,
    "Days": [
        {
            "ID": 1,
```

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```
        "Num": 1,
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```

6.9.4.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/WeekPlans?ChannelID=<ChannelID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.4.13 Get the Face Statistics Clear Configuration

6.9.4.13.1 Overview

Names	Description
Interface description	Get the Face Statistics Clear Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset?ChannelID=<ChannelID>
Interface request method	GET

Names	Description
How to submit data	application/json

6.9.4.13.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.13.3 Request Parameters

None

6.9.4.13.4 Example for Request Parameters

None

6.9.4.13.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ResetEnabled	integer	body	true	Whether the count clears immediately 0: Does not clear zero 1: clear zero
++TimingResetEnabled	integer	body	true	Whether to enable timer clear 0: indicates that zeros are not cleared 1: clear zero
++ResetTime	string	body	true	Timer Clear time, required when timer clear is enabled. Clear the clock at a certain point in the day (24-hour system). Format :XX:XX :XX The length is limited to 12 and the default value is 00:00:00

6.9.4.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset?ChannelID=<ChannelID>",
```

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```
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {
            "ResponseEnabled": 0,
            "TimingResetEnabled": 0,
            "ResetTime": "string"
        }
    }
}
```

6.9.4.14 Set Face Statistics Clear Configuration

6.9.4.14.1 Overview

Names	Description
Interface description	Set Face Statistics Clear Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset?ChannelID=<ChannelID>
Interface request method	PUT
How to submit data	application/json

6.9.4.14.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ChannelID	integer	false	1	Channel ID

6.9.4.14.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ResetEnabled	integer	body	true	Whether the count clears immediately 0: Does not clear zero 1: Clear zero
TimingResetEnabled	integer	body	true	Whether to enable timer clear 0: indicates that zeros are not cleared 1: clear zero
ResetTime	string	body	true	Timer Clear time, required when timer clear is enabled. Clear the clock at a certain point in the day (24-hour system). Format :XX:XX :XX The length is limited to 12 and the default value is 00:00:00

6.9.4.14.4 Example for Request Parameters

```
{
```

```
    "ResetEnabled": 0,
    "TimingResetEnabled": 0,
    "ResetTime": "string"
}
```

6.9.4.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.4.14.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FaceDetection/FaceCount/Reset?ChannelID=<ChannelID>",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.5 Hybrid Detection

6.9.5.1 Get the Configuration of Hybrid Detection Rules

6.9.5.1.1 Overview

Names	Description
Interface description	Get the Configuration of Hybrid Detection Rules
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Interface request method	GET
How to submit data	application/json

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6.9.5.1.2 URL Description

None

6.9.5.1.3 Request Parameters

None

6.9.5.1.4 Example for Request Parameters

None

6.9.5.1.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Hybrid Detection enable switch 0: Disables 1: enabled
++PupilDistanceMin	integer	body	false	Minimum pupil distance Not supported by some device models
++ObjectCount	object	body	true	Machine non-human quantity statistics configuration
+++Enabled	integer	body	true	Target Stats Switch 0: disables 1: enabled
++CaptureFilterByPlate	integer	body	false	Whether to turn license plate filtering on Some device models do not support it 0: No 1: Yes
++Num	integer	body	true	Detects the number of target types The number is not 0
++DetectTargetList	object[]	body	true	Detecting target Information
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle

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Parameter names	Parameter type	Parameter position	Required	Description
				1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 10000]

6.9.5.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "PupilDistanceMin": 0,
      "ObjectCount": {
        "Enabled": 0
      },
      "CaptureFilterByPlate": 1,
      "Num": 1,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.9.5.2 Set the Hybrid Detection Rule Configuration

6.9.5.2.1 Overview

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Names	Description
Interface description	Set the Hybrid Detection Rule Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.9.5.2.2 URL Description

None

6.9.5.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Hybrid Detection enable switch 0: Disables 1: enabled
PupilDistanceMin	integer	body	false	Minimum pupil distance Not supported by some device models
ObjectCount	object	body	true	Machine non-human quantity statistics configuration
+Enabled	integer	body	true	Target Stats Switch 0: disables 1: enabled
CaptureFilterByPlate	integer	body	false	Whether to turn license plate filtering on Some device models do not support it 0: No 1: Yes
Num	integer	body	true	Detects the number of target types The number is not 0
DetectTargetList	object[]	body	true	Detect target Information
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

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Parameter Name	Parameter type	Parameter location	Required	Description
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.5.2.4 Example for Request Parameters

```
{
  "Enabled": 0,
  "PupilDistanceMin": 0,
  "ObjectCount": {
    "Enabled": 0
  },
  "CaptureFilterByPlate": 1,
  "Num": 1,
  "DetectTargetList": [
    {
      "Enabled": 0,
      "Type": 0,
      "ObjectMaxSize": {
        "Width": 5000,
        "Height": 5000
      },
      "ObjectMinSize": {
        "Width": 5000,
        "Height": 5000
      }
    }
  ]
}
```

6.9.5.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.5.2.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.5.3 Get the Hybrid Detection Zone Configuration

6.9.5.3.1 Overview

Names	Description
Interface description	Get the Hybrid Detection Zone Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Interface request method	GET
How to submit data	application/json

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6.9.5.3.2 URL Description

None

6.9.5.3.3 Request Parameters

None

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6.9.5.3.4 Example for Request Parameters

None

6.9.5.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++IsEnableEntireImage	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.5.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "IsEnableEntireImage": 0,
      "Sensitivity": 50,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  }
}
```

6.9.5.4 Set the Hybrid Detection Area Configuration

6.9.5.4.1 Overview

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Names	Description
Interface description	Set the Hybrid Detection Area Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas
Interface request method	PUT
How to submit data	application/json

6.9.5.4.2 URL Description

None

6.9.5.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
IsEnableEntireImage	integer	body	true	Detect the enable switch in full screen 0: Disables it 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100] Default value: 50
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.5.4.4 Example for Request Parameters

```
{
   "IsEnableEntireImage": 0,
   "Sensitivity": 50,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ]
```

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```
}
```

6.9.5.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.5.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.5.5 Get the Hybrid Detection Linkage Action Configuration

6.9.5.5.1 Overview

Names	Description
Interface description	Get the Hybrid Detection Linkage Action Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.5.5.2 URL Description

None

6.9.5.5.3 Request Parameters

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None

6.9.5.5.4 Example for Request Parameters

None

6.9.5.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: uploads linkage snapshots to the FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage

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Parameter names	Parameter type	Parameter location	Required	Description
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.5.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.5.6 Set the Hybrid Detection Linkage Action

6.9.5.6.1 Overview

Names	Description
Interface description	Set the Hybrid Detection Linkage Action
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.5.6.2 URL Description

None

6.9.5.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity

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Parameter names	Parameter type	Parameter location	Required	Description
				A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the photo to E-mail 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage parameter The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.5.6.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.5.6.5 Return Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.5.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.5.7 Get the Configuration of the Monitor Plan for Hybrid Detection

6.9.5.7.1 Overview

Names	Description
Interface description	Get the Configuration of the Monitor Plan for Hybrid Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.5.7.2 URL Description

None

6.9.5.7.3 Request Parameters

None

6.9.5.7.4 Example for Request Parameters

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None

6.9.5.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.5.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.9.5.8 Configuring the Monitor Plan for Hybrid Detection

6.9.5.8.1 Overview

Names	Description
Interface description	Configuring the Monitor Plan for Hybrid Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.5.8.2 URL Description

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None

6.9.5.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Monitor type Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.5.8.4 Example for Request Parameters

```
{
  "Enabled": 1,
```

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```
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.9.5.8.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.5.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/HybridDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6 Traffic Monitoring

6.9.6.1 Get the Configuration of Traffic Monitoring Rule Information

6.9.6.1.1 Overview

Names	Description
Interface description	Get the Configuration of Traffic Monitoring Rule Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Rule
Interface request method	GET
How to submit data	application/json

6.9.6.1.2 URL Description

None

6.9.6.1.3 Request Parameters

None

6.9.6.1.4 Example for Request Parameters

None

6.9.6.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable switch Default: 1 0: Disabled 1: enabled
++CaptureFilterByPlate	integer	body	false	Whether to turn license plate filtering on Some device models do not support it 0: No 1: Yes
++ScenesType	integer	body	true	Type of application scenario Not supported by some device models 0: Common road 1: Park

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6.9.6.1.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "CaptureFilterByPlate": 1,
      "ScenesType": 1
    }
  }
}
```

6.9.6.2 Set the Traffic Monitoring Rule Information Configuration

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6.9.6.2.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Rule Information Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Rule
Interface request method	PUT
How to submit data	application/json

6.9.6.2.2 URL Description

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None

6.9.6.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable switch Default: 1 0: disables 1: enabled
CaptureFilterByPlate	integer	body	false	Whether to turn license plate filtering on Some device models do not support it 0: No 1: Yes
ScenesType	integer	body	true	Type of application scenario Not supported by some device models 0: common road 1: Park

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6.9.6.2.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "CaptureFilterByPlate": 1,
  "ScenesType": 1
}
```

6.9.6.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.3 Get the Traffic Monitoring Lane Information Configuration

6.9.6.3.1 Overview

Names	Description
Interface description	Get the Traffic Monitoring Lane Information Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane
Interface request method	GET
How to submit data	application/json

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6.9.6.3.2 URL Description

None

6.9.6.3.3 Request Parameters

None

6.9.6.3.4 Example for Request Parameters

None

6.9.6.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of lanes Value range: [1,] Default value: 1
++LaneInfoList	object[]	body	true	Lane Information
+++LaneID	integer	body	true	Lane ID Value range: [1, 8] Default value: 1
+++Enabled	integer	body	true	Lane enable switch 0: Disables 1: Enables the function
+++LaneCode	integer	body	true	Lane number, custom Value range: [1, 254] Default value: 1
+++LaneDescription	string	body	true	Lane Description Default: Lane1
+++IsOnlyCapHead	integer	body	true	Whether to capture only the front of the car 0: No 1: Yes
+++DetectType	integer	body	true	Check the target type. Each Bit corresponds to a target type. 0 indicates that the target is not reported, and 1 indicates that the target is reported 0x00000000: No capture at all

Parameter name	Parameter type	Parameter location	Required	Description
				0x00000001: Pedestrian 1 0x00000010: Motorcycle 2 0x00000100: Non-Motor vehicle 4 0x00001000: Small car 8

6.9.6.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "LaneInfoList": [
        {
          "LaneID": 1,
          "Enabled": 0,
          "LaneCode": 1,
          "LaneDescription": "Lane1",
          "IsOnlyCapHead": 0,
          "DetectType": 0
        }
      ]
    }
  }
}
```

6.9.6.4 Set the Traffic Monitoring Lane Information Configuration

6.9.6.4.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Lane Information Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane
Interface request method	PUT
How to submit data	application/json

6.9.6.4.2 URL Description

None

6.9.6.4.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of lanes Value range: [1,] Default value: 1
LaneInfoList	object[]	body	true	Lane Information
+LaneID	integer	body	true	Lane ID Value range: [1, 8] Default value: 1
+Enabled	integer	body	true	Lane enable switch 0: Disables 1: enabled
+LaneCode	integer	body	true	Lane number, custom Value range: [1, 254] Default value: 1
+LaneDescription	string	body	true	Lane Description Default: Lane1
+IsOnlyCapHead	integer	body	true	Whether to capture only the front of the car 0: No 1: Yes
+DetectType	integer	body	true	Check the target type. Each Bit corresponds to a target type. 0 indicates that the target is not reported, and 1 indicates that the target is reported 0x00000000: No capture at all 0x00000001: Pedestrian 1 0x00000010: Motorcycle 2 0x00000100: Non-Motor vehicle 4 0x00001000: Small car 8

6.9.6.4.4 Example for Request Parameters

```
{
  "Num": 1,
  "LaneInfoList": [
    {
      "LaneID": 1,
      "Enabled": 0,
      "LaneCode": 1,
      "LaneDescription": "Lane1",
      "IsOnlyCapHead": 0,
      "DetectType": 0
    }
  ]
}
```

6.9.6.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.5 Get the Configuration of Traffic Monitoring Designated Lane Information

6.9.6.5.1 Overview

Names	Description
Interface description	Get the Configuration of Traffic Monitoring Designated Lane Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane
Interface request method	GET
How to submit data	application/json

6.9.6.5.2 URL Description

None

6.9.6.5.3 Request Parameters

None

6.9.6.5.4 Example for Request Parameters

None

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6.9.6.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++DrivewayID	integer	body	true	Lane ID Value range: [1, 8] Default value: 1
++Enabled	integer	body	true	Lane enable switch 0: Disables 1: enabled
++DrivewayCode	integer	body	true	Lane number, custom Value range: [1, 254] Default value: 1
++LaneDescription	string	body	true	Lane Description Default: Lane1
++IsOnlyCapHead	integer	body	true	Whether to only capture the front of the car 0: No 1: Yes
++DetectType	integer	body	true	Check the target type. Each Bit corresponds to a target type. 0 indicates that the target is not reported, and 1 indicates that the target is reported 0x00000000: No capture at all 0x00000001: Pedestrian 1 0x00000010: Motorcycle 2 0x00000100: Non-Motor vehicle 4 0x00001000: Small car 8

6.9.6.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "DrivewayID": 1,
      "Enabled": 0,
      "DrivewayCode": 1,
      "LaneDescription": "Lane1",
```


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```
        "IsOnlyCapHead": 0,
        "DetectType": 0
      }
    }
}
```

6.9.6.6 Set the Traffic Monitoring Specified Lane Information Configuration

6.9.6.6.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Specified Lane Information Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane
Interface request method	PUT
How to submit data	application/json

6.9.6.6.2 URL Description

None

6.9.6.6.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
DrivewayID	integer	body	true	Lane ID Value range: [1, 8] Default value: 1
Enabled	integer	body	true	Lane enable switch 0: Disables 1: enabled
DrivewayCode	integer	body	true	Lane number, custom Value range: [1, 254] Default value: 1
LaneDescription	string	body	true	Lane Description Default: Lane1
IsOnlyCapHead	integer	body	true	Whether to capture only the front of the car 0: No 1: Yes
DetectType	integer	body	true	Check the target type. Each Bit corresponds to a target type. 0 indicates that the target is not reported, and 1 indicates that the target is reported 0x00000000: No capture at all 0x00000001: Pedestrian 1 0x00000010: Motorcycle 2 0x00000100: Non-Motor vehicle 4 0x00001000: Small car 8

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6.9.6.6.4 Example for Request Parameters

```
{
   "DrivewayID": 1,
   "Enabled": 0,
   "DrivewayCode": 1,
   "LaneDescription": "Lane1",
   "IsOnlyCapHead": 0,
   "DetectType": 0
}
```

6.9.6.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.6.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/Lane",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.9.6.7 Get the Non-Human Traffic Clearing Configuration for the Traffic Monitoring Machine

6.9.6.7.1 Overview

Names	Description
Interface description	Get the Non-Human Traffic Clearing Configuration for the Traffic Monitoring Machine
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/ObjectCount/Reset
Interface request method	GET

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Names	Description
How to submit data	application/json

6.9.6.7.2 URL Description

None

6.9.6.7.3 Request Parameters

None

6.9.6.7.4 Example for Request Parameters

None

6.9.6.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ResetEnabled	integer	body	true	Whether the count clears immediately 0: Does not clear zero 1: clear zero
++TimingResetEnabled	integer	body	true	Whether to enable timer clear 0: indicates that zeros are not cleared 1: Clear zero
++ResetTime	string	body	true	Timer Clear time, required when timer clear is enabled. Clear the clock at a certain point in the day (24-hour system). Format :XX:XX :XX The length is limited to 12 and the default value is 00:00:00

6.9.6.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/ObjectCount/Reset",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
```

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```
        "StatusCode": 0,
        "Data": {
            "ResetEnabled": 0,
            "TimingResetEnabled": 0,
            "ResetTime": "string"
        }
    }
}
```

6.9.6.8 Set the Non-Human Traffic Clearing Configuration for the Traffic Monitoring Machine

6.9.6.8.1 Overview

Names	Description
Interface description	Set the Non-Human Traffic Clearing Configuration for the Traffic Monitoring Machine
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/ObjectCount/Reset
Interface request method	PUT
How to submit data	application/json

6.9.6.8.2 URL Description

None

6.9.6.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ResetEnabled	integer	body	true	Whether the count clears immediately 0: Does not clear zero 1: clear zero
TimingResetEnabled	integer	body	true	Whether to enable timer clear 0: indicates that zeros are not cleared 1: clear zero
ResetTime	string	body	true	Timer Clear time, required when timer clear is enabled. Clear the clock at a certain point in the day (24-hour system). Format :XX:XX :XX The length is limited to 12 and the default value is 00:00:00

6.9.6.8.4 Example for Request Parameters

```
{
    "ResetEnabled": 0,
    "TimingResetEnabled": 0,
    "ResetTime": "string"
}
```

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6.9.6.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/ObjectCount/Reset",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.9 Get the Traffic Monitoring Lane Line Drawing Configuration

6.9.6.9.1 Overview

Names	Description
Interface description	Get the Traffic Monitoring Lane Line Drawing Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LaneLine
Interface request method	GET
How to submit data	application/json

6.9.6.9.2 URL Description

None

6.9.6.9.3 Request Parameters

None

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6.9.6.9.4 Example for Request Parameters

None

6.9.6.9.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++LineNum	integer	body	true	Number of lane lines Range of values: [1, 8]
++LineInfoList	object[]	body	true	Lane line Configuration
+++LineID	integer	body	true	Draw the lane line ID, counting from 1, for example there are 4 lanes corresponding to 5 lane lines; Value range: [1, 8] Default value: 1
+++Enabled	integer	body	true	Whether lane lines are enabled Default: 1 0: Disabled 1: enabled
+++LineLocation	object	body	true	Lane line location coordinate Information
++++Head	object	body	true	Lane line location head coordinates
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Tail	object	body	true	Lane line location Tail coordinates
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio

Parameter names	Parameter type	Parameter position	Required	Description
				Default: 0 Value range: [0, 10000]

6.9.6.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LaneLine",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "LineNum": 0,
      "LineInfoList": [
        {
          "LineID": 1,
          "Enabled": 1,
          "LineLocation": {
            "Head": {
              "X": 2000,
              "Y": 5000
            },
            "Tail": {
              "X": 0,
              "Y": 5000
            }
          }
        }
      ]
    }
  }
}
```

6.9.6.10 Set the Traffic Monitoring Lane Line Drawing Configuration

6.9.6.10.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Lane Line Drawing Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LaneLine
Interface request method	PUT
How to submit data	application/json

6.9.6.10.2 URL Description

None

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6.9.6.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
LineNum	integer	body	true	Number of lane lines Range of values: [1, 8]
LineInfoList	object[]	body	true	Lane line Configuration
+LineID	integer	body	true	Draw the lane ID, counting from 1, for example, there are 4 lanes corresponding to 5 lane lines; Value range: [1, 8] Default value: 1
+Enabled	integer	body	true	Whether lane lines are enabled Default: 1 0: Disabled 1: enabled
+LineLocation	object	body	true	Lane line location coordinate Information
++Head	object	body	true	Lane line location head coordinates
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Tail	object	body	true	Lane line location Tail coordinates
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.6.10.4 Example for Request Parameters

```
{
  "LineNum": 0,
  "LineInfoList": [
    {
      "LineID": 1,
      "Enabled": 1,
      "LineLocation": {
        "Head": {
          "X": 2000,
          "Y": 5000
        },
        "Tail": {
          "X": 0,
```

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```
            "Y": 5000
          }
        }
      }
    ]
}
```

6.9.6.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LaneLine",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.11 Get the Traffic Monitoring Trigger Line Configuration

6.9.6.11.1 Overview

Names	Description
Interface description	Get the Traffic Monitoring Trigger Line Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/TriggerLine
Interface request method	GET
How to submit data	application/json

6.9.6.11.2 URL Description

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None

6.9.6.11.3 Request Parameters

None

6.9.6.11.4 Example for Request Parameters

None

6.9.6.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++LineNum	integer	body	true	Number of trigger lines Value range: [1,] Default value: 1
++TriggerLineInfo	object[]	body	true	Trigger line Information
+++LineID	integer	body	true	Trigger line ID Value range: [1,] Default value: 1
+++Enabled	integer	body	true	Trigger wire enable switch Default: 1 0: Disabled 1: enabled
+++LineType	integer	body	true	Trigger line type Default: 1 1: Capture trigger wire 2: Stop the line 3: Go straight to the third evidence map to capture the trigger line 4: Go straight away from the trigger 5: Line the trigger straight 6: Left trigger line 7: Turn right trigger wire 8: Illegal left turn turn trigger wire 9: VCP trigger wire 10: Turn without letting go straight 11: Pedestrian crossing red light trigger line
+++LineLocation	object	body	true	Trigger wire position

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Parameter names	Parameter type	Parameter location	Required	Description
++++Head	object	body	true	Trigger line position header coordinates
+++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Tail	object	body	true	Trigger line position tail coordinates
+++++X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.6.11.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/TriggerLine",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "LineNum": 1,
      "TriggerLineInfo": [
        {
          "LineID": 1,
          "Enabled": 1,
          "LineType": 1,
          "LineLocation": {
            "Head": {
              "X": 5000,
              "Y": 5000
            },
            "Tail": {
              "X": 5000,
              "Y": 5000
            }
          }
        }
      ]
    }
  }
}
```


6.9.6.12 Set the Traffic Monitoring Trigger Line Configuration

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6.9.6.12.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Trigger Line Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/TriggerLine
Interface request method	PUT
How to submit data	application/json

6.9.6.12.2 URL Description

None

6.9.6.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
LineNum	integer	body	true	Number of trigger lines Value range: [1,] Default value: 1
TriggerLineInfo	object[]	body	true	Trigger line Information
+LineID	integer	body	true	Trigger line ID Value range: [1,] Default value: 1
+Enabled	integer	body	true	Trigger wire enable switch Default: 1 0: Disabled 1: enabled
+LineType	integer	body	true	Trigger wire type Default value: 1 1: Capture trigger wire 2: Stop the line 3: Go straight to the third evidence map to capture the trigger line 4: Go straight away from the trigger 5: Line the trigger straight 6: Left trigger line 7: Turn right trigger wire 8: Illegal left turn turn trigger wire 9: VCP trigger wire 10: Turn without letting go straight 11: Pedestrian crossing red light trigger line
+LineLocation	object	body	true	Trigger line position
++Head	object	body	true	Trigger line position header coordinates
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Tail	object	body	true	Trigger line position tail coordinates
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]

6.9.6.12.4 Example for Request Parameters

```
{
   "LineNum": 1,
   "TriggerLineInfo": [
      {
         "LineID": 1,
         "Enabled": 1,
         "LineType": 1,
         "LineLocation": {
            "Head": {
               "X": 5000,
               "Y": 5000
            },
            "Tail": {
               "X": 5000,
               "Y": 5000
            }
         }
      }
   ]
}
```

6.9.6.12.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.9.6.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/TriggerLine",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.13 Get the Traffic Monitoring Linkage Configuration

6.9.6.13.1 Overview

Names	Description
Interface description	Get the Traffic Monitoring Linkage Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.6.13.2 URL Description

None

6.9.6.13.3 Request Parameters

None

6.9.6.13.4 Example for Request Parameters

None

6.9.6.13.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter name	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collects linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.6.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LinkageActions",
    "ResponseCode": 0,
```

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```
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.6.14 Set the Traffic Monitoring Linkage Configuration

6.9.6.14.1 Overview

Names	Description
Interface description	Set the Traffic Monitoring Linkage Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.6.14.2 URL Description

None

6.9.6.14.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset

Parameter names	Parameter type	Parameter location	Required	Description
				5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: Image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.6.14.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.6.14.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.14.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.6.15 Get the Traffic Monitoring Monitor Plan Configuration

6.9.6.15.1 Overview

Names	Description
Interface description	Get the Traffic Monitoring Monitor Plan Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/WeekPlan
Interface request method	GET
How to submit data	application/json

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6.9.6.15.2 URL Description

None

6.9.6.15.3 Request Parameters

None

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6.9.6.15.4 Example for Request Parameters

None

6.9.6.15.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter position	Required	Description
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.6.15.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.9.6.16 Set Traffic Monitoring Monitor Plan Configurations

6.9.6.16.1 Overview

Names	Description
Interface description	Set Traffic Monitoring Monitor Plan Configurations
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.6.16.2 URL Description

None

6.9.6.16.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week

Parameter names	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.9.6.16.4 Example for Request Parameters

```
{
   "Enabled": 1,
   "Num": 1,
   "Days": [
      {
         "ID": 1,
         "Num": 1,
         "TimeSectionInfos": [
            {
               "Begin": "00:00:00",
               "End": "23:59:59",
               "ArmingType": 0
            }
         ]
      }
   ]
}
```

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6.9.6.16.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.6.16.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/TrafficMonitoring/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7 High-Altitude Throwing

6.9.7.1 Get Configuration Information for High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.1.1 Overview

Names	Description
Interface description	Get Configuration Information for High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported by some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Interface request method	GET
How to submit data	application/json

6.9.7.1.2 URL Description

None

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6.9.7.1.3 Request Parameters

None

6.9.7.1.4 Example for Request Parameters

None

6.9.7.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	High-altitude parabolic detection enabled 0: disables 1: enabled
++AddTrack	integer	body	true	Whether a high-altitude parabolic grab is superimposed on object tracks 0: No superposition 1: Superposition

6.9.7.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "AddTrack": 1
    }
  }
}
```

6.9.7.2 Set Configuration Information for High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.2.1 Overview

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Names	Description
Interface description	Set Configuration Information for High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.9.7.2.2 URL Description

None

6.9.7.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	High-altitude parabolic detection enabled 0: disables 1: Enables the function
AddTrack	integer	body	true	Whether a high-altitude parabolic grab is superimposed on object tracks 0: No superposition 1: Superposition

6.9.7.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "AddTrack": 1
}
```

6.9.7.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.9.7.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.3 Get the Specified Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.3.1 Overview

Names	Description
Interface description	Get the Specified Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.7.3.2 URL Description

None

6.9.7.3.3 Request Parameters

None

6.9.7.3.4 Example for Request Parameters

None

6.9.7.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When PointNum is 0, this node is optional
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 50,
      "Confidence": 50,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  }
}
```

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6.9.7.4 Set the Specified Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.4.1 Overview

Names	Description
Interface description	Set the Specified Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.7.4.2 URL Description

None

6.9.7.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Value range: [1, 100]
Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
PointList	object[]	body	false	Detect the vertex coordinates of the area graph
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.4.4 Example for Request Parameters

```
{
    "ID": 1,
    "Enabled": 0,
```

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```
    "Sensitivity": 50,
    "Confidence": 50,
    "PointNum": 4,
    "PointList": [
      {
        "X": 5000,
        "Y": 5000
      }
    ]
}
```

6.9.7.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.4.6 Example for Returning Parameters

```
{
    "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas/<ID>".
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
    }
}
```

6.9.7.5 Get All Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.5.1 Overview

Names	Description
Interface description	Get All Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Interface request method	GET
How to submit data	application/json

6.9.7.5.2 URL Description

None

6.9.7.5.3 Request Parameters

None

6.9.7.5.4 Example for Request Parameters

None

6.9.7.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn High altitude parabolic is currently fixed at 1 Value range: [0, 1]
++AreaList	object[]	body	false	Detect the list of zone parameter Information If Num is 0, this parameter is optional
+++ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++Confidence	integer	body	true	Confidence, percentage

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+++PointList	object[]	body	false	Detect the vertex coordinates of the area graph When PointNum is 0, this node is optional
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "AreaList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 50,
          "Confidence": 50,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      ]
    }
  }
}
```

6.9.7.6 Set All Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.6.1 Overview

Names	Description
Interface description	Set All Detection Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (Not supported on some device models)
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas
Interface request method	PUT
How to submit data	application/json

6.9.7.6.2 URL Description

None

6.9.7.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn High altitude parabolic is currently fixed at 1 Value range: [0, 1]
AreaList	object[]	body	false	Detect the list of zone parameter Information
+ID	integer	body	true	Detects the zone index, the same as the zone number carried in the URL Starting from 0, 1 zone is currently supported to detect
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Confidence	integer	body	true	Confidence, percentage Value range: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [3, 6]
+PointList	object[]	body	false	Detect the vertex coordinates of the area graph
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.6.4 Example for Request Parameters

```
{
    "Num": 1,
    "AreaList": [
        {
            "ID": 1,
            "Enabled": 0,
            "Sensitivity": 50,
            "Confidence": 50,
```

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```
        "PointNum": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    ]
}
```

6.9.7.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.7 Set All the Shaded Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.7.1 Overview

Names	Description
Interface description	Set All the Shaded Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (some equipment models do not support)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas

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Names	Description
Interface request method	PUT
How to submit data	application/json

6.9.7.7.2 URL Description

None

6.9.7.7.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Number of polygon areas Value range: [0, 4]
ShieldAreasList	object[]	body	false	List of polygon area Information This object is mandatory when Num is not 0. Currently, only rectangles are supported
+RuleID	integer	body	true	Rule ID, starting from 0, the maximum number of zones supported is consistent with the privacy cover
+Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+Zoom	integer	body	false	Zone mask magnification, not optional when capability Hardware/Lens/Channel/<ID>/ZoomCap is 0. All others are optional
+PointNum	integer	body	true	Mask area The number of vertices of polygon shapes, currently only rectangles are supported Value range: [0, 2]
+PointList	object[]	body	false	This object is mandatory when PointNum is not set to 0
++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.7.4 Example for Request Parameters

```
{
    "Num": 4,
    "ShieldAreasList": [
        {
            "RuleID": 0,
            "Enabled": 0,
            "Zoom": 22,
            "PointNum": 2,
            "PointList": [
                {
                    "X": 5000,
                    "Y": 5000
```

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```
            }
        ]
    }
  ]
}
```

6.9.7.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.8 Get All the Shaded Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.8.1 Overview

Names	Description
Interface description	Get All the Shaded Area Information of High-Altitude Throwing Detection in the Specified Video Input Channel (some device models do not support)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas
Interface request method	GET
How to submit data	application/json

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6.9.7.8.2 URL Description

None

6.9.7.8.3 Request Parameters

None

6.9.7.8.4 Example for Request Parameters

None

6.9.7.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of polygon areas Value range: [0, 4]
++ShieldAreasList	object[]	body	false	List of polygon area Information This object is mandatory when Num is not 0. Currently, only rectangles are supported
+++RuleID	integer	body	true	Rule ID, starting from 0, the maximum number of zones supported is consistent with the privacy cover
+++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
+++Zoom	integer	body	false	Zone mask magnification, not optional when capability Hardware/Lens/Channel/<ID>/ZoomCap is 0. All others are optional
+++PointNum	integer	body	true	Mask area The number of vertices of polygon shapes, currently only rectangles are supported Value range: [0, 2]
+++PointList	object[]	body	false	Mask the vertex coordinates of the area graph. This object is required when PointNum is not 0
++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000

Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 9999]

6.9.7.8.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "ShieldAreasList": [
        {
          "RuleID": 0,
          "Enabled": 0,
          "Zoom": 22,
          "PointNum": 2,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ]
        }
      ]
    }
  }
}
```


6.9.7.9 Set the Specified Shield Area Information for High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.9.1 Overview

Names	Description
Interface description	Set the Specified Shield Area Information for High-Altitude Throwing Detection in the Specified Video Input Channel (not supported by some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.7.9.2 URL Description

None

6.9.7.9.3 Request Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
ID	integer	body	true	Zone number, starting from 0, the maximum number of zones supported is consistent with the privacy cover
Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
PointNum	integer	body	true	Mask area The number of vertices of polygon shapes, currently only rectangles are supported Value range: [3, 6]
PointList	object[]	body	false	Mask the vertex coordinates of the area graph. This object is required when PointNum is not 0
+X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.9.4 Example for Request Parameters

```
{
   "ID": 0,
   "Enabled": 0,
   "PointNum": 6,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ]
}
```

6.9.7.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.9.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.10 Get the Specified Shield Area Information for High-Altitude Throwing Detection in the Specified Video Input Channel

6.9.7.10.1 Overview

Names	Description
Interface description	Set the Specified Shield Area Information for High-Altitude Throwing Detection in the Specified Video Input Channel (not supported by some device models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection ShieldAreas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.7.10.2 URL Description

None

6.9.7.10.3 Request Parameters

None

6.9.7.10.4 Example for Request Parameters

None

6.9.7.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++RuleID	integer	body	true	Zone number, starting from 0, the maximum number of zones supported is consistent with the privacy cover
++Enabled	integer	body	true	Zone enable identifier 0: Disable 1: enabled
++PointNum	integer	body	true	Mask area The number of vertices of polygon shapes, currently only rectangles are supported Value range: [3, 6]
++PointList	object[]	body	false	Mask the vertex coordinates of the area graph. This object is required when PointNum is not 0
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.7.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/ShieldAreas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "RuleID": 0,
      "Enabled": 0,
      "PointNum": 6,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ]
    }
  }
}
```

6.9.7.11 Query the Linkage Action of High-Altitude Throwing Detection

6.9.7.11.1 Overview

Names	Description
Interface description	Query the Linkage Action of High-Altitude Throwing Detection (Not supported on some device models)

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Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.7.11.2 URL Description

None

6.9.7.11.3 Request Parameters

None

6.9.7.11.4 Example for Request Parameters

None

6.9.7.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
++Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table

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Parameter names	Parameter type	Parameter location	Required	Description
				3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.7.11.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 8,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```


6.9.7.12 Set the Linkage Action of High-Altitude Throwing Detection

6.9.7.12.1 Overview

Names	Description
Interface description	Set the Linkage Action of High-Altitude Throwing Detection (Not supported on some device models)

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Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.7.12.2 URL Description

None

6.9.7.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity Value range: [0, 31] Some device models have a maximum number of 13
Actions	object[]	body	false	Linkage action Information table. This object is not required when Num is 0
+Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.7.12.4 Example for Request Parameters

```
{
  "Num": 8,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.7.12.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.13 Configure Monitor Plan for High-Altitude Throwing Detection

6.9.7.13.1 Overview

Names	Description
Interface description	Configure Monitor Plan for High-Altitude Throwing Detection (Not supported on some equipment models)
Interface version	V1.0

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Names	Description
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.7.13.2 URL Description

None

6.9.7.13.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
Num	integer	body	true	Plan days Max. 7 (seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.9.7.13.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 7,
  "Days": [
    {
      "ID": 1,
      "Num": 8,
      "TimeSectionInfos": [
        {
```

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```
            "Begin": "00:00:00 ",
            "End": "24:00:00"
          }
        ]
      }
    ]
}
```

6.9.7.13.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.7.13.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.7.14 Query the Monitor Plan for High-Altitude Throwing Detection

6.9.7.14.1 Overview

Names	Description
Interface description	Query the Monitor Plan for High-Altitude Throwing Detection (Not supported on some equipment models)
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

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6.9.7.14.2 URL Description

None

6.9.7.14.3 Request Parameters

None

6.9.7.14.4 Example for Request Parameters

None

6.9.7.14.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether the defense plan is enabled 0: Disables it 1: enabled
++Num	integer	body	true	Plan days Max. 7 (seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Index of the Week 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum number of IPC segments is 4
+++TimeSectionInfos	object[]	body	true	Defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time, format hh: mm: ss String length range: [0, 11]
++++End	string	body	true	End time in the format hh: mm: ss String length range: [0, 11]

6.9.7.14.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/FallingObjectsDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 7,
      "Days": [
        {
          "ID": 1,
          "Num": 8,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00 ",
              "End": 24:00:00
            }
          ]
        }
      ]
    }
  }
}
```

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6.9.8 Attribute Collect

6.9.8.1 Get the Attribute Collect Configuration

6.9.8.1.1 Overview

Names	Description
Interface description	Get the Attribute Collect Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AttributeCollect
Interface request method	GET
How to submit data	application/json

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6.9.8.1.2 URL Description

None

6.9.8.1.3 Request Parameters

None

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6.9.8.1.4 Example for Request Parameters

None

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6.9.8.1.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++AttributeAll	integer	body	true	Whether all properties are on 0: Not full attribute 1: Full attribute
++FaceAttribute	object	body	true	Face attribute switch Information
+++IsEnableGender	integer	body	true	Gender detection switch 0: disables 1: enabled
+++IsEnableAge	integer	body	true	Age detection switch 0: Disable 1: enabled
+++IsEnableGlasses	integer	body	true	Glasses detection switch 0: disables 1: enabled
+++IsEnableMaskFlag	integer	body	true	Wear a mask to detect switches 0: Disable 1: enabled
+++IsEnableTemp	integer	body	true	Body temperature detection switch 0: disables 1: enabled
+++EnableHatColor	integer	body	true	Hat color Enable switch 0: Disable 1: Enable Some Device Support
+++EnableHatStyle	integer	body	true	Hat style Enable switch 0: Disable 1: Enable Some Device support
++PedestrianAttribute	object	body	true	Pedestrian property switch Information
+++IsEnableGender	integer	body	true	Gender detection switch 0: disables 1: enabled
+++IsEnableAge	integer	body	true	Age check switch 0: Disable 1: enabled
+++IsEnableMaskFlag	integer	body	true	Wear a mask to detect switches

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Parameter names	Parameter type	Parameter position	Required	Description
				0: Disable 1: enabled
+++IsEnableUpperColor	integer	body	true	Top color detection switch 0: Disables 1: Enables the function
+++IsEnableLowerColor	integer	body	true	Undercoat color detection switch 0: disables it 1: enabled
+++IsEnableUpClothesTexture	integer	body	true	Top texture detection switch 0: disables 1: enabled
+++IsEnableUpperClothingStyle	integer	body	true	Top style detection switch 0: Disables 1: enabled
+++IsEnableLowerClothingStyle	integer	body	true	Undergarment style detection switch 0: disables it 1: enabled
+++IsEnableShoes	integer	body	true	Shoe detection switch 0: disables 1: enabled
+++IsEnableBodyAngle	integer	body	true	Body position Angle detection switch 0: Disables it 1: enabled
+++IsEnableBagInfo	integer	body	true	Carry Information detection switch 0: disables 1: enabled
+++IsEnableHairStyle	integer	body	true	Hair detection switch 0: disables 1: enabled
+++IsEnableDirection	integer	body	true	Motion direction detection switch 0: disables 1: enabled
++NonMotorVehicleAttribute	object	body	true	Non-motor vehicle property switch Information
+++IsEnableGender	integer	body	true	Gender detection switch 0: disables 1: enabled
+++IsEnableAge	integer	body	true	Age check switch 0: Disable 1: enabled
+++IsEnableUpperColor	integer	body	true	Top color detection switch 0: Disables 1: enabled
+++IsEnableUpperClothingStyle	integer	body	true	Top style detection switch 0: Disables

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Parameter names	Parameter type	Parameter position	Required	Description
				1: Enables the function
+++IsEnableNonVehicleType	integer	body	true	Non-motor vehicle type detection switch 0: disables 1: enabled
+++IsEnableDirection	integer	body	true	Travel direction detection switch 0: disables 1: enabled
+++IsEnableSpeed	integer	body	true	Move speed detection switch 0: disables 1: enabled
+++IsEnablePlateNumber	integer	body	true	License plate number detection switch 0: Disables 1: enabled
+++IsEnablePlateType	integer	body	true	License plate type detection switch 0: Disables 1: enabled
+++IsEnablePlateColor	integer	body	true	License plate color detection switch 0: Disables 1: enabled
++VehicleAttribute	object	body	true	Motor vehicle property switch Information
+++IsEnableLogo	integer	body	true	Vehicle brand detection switch 0: disables 1: enabled
+++IsEnableVehicleType	integer	body	true	Vehicle type detection switch 0: Disables 1: enabled
+++IsEnableVehicleColor	integer	body	true	Vehicle color detection switch 0: Disables 1: enabled
+++IsEnablePlateNumber	integer	body	true	License plate number detection switch 0: Disables 1: enabled
+++IsEnablePlateType	integer	body	true	License plate type detection switch 0: Disables 1: enabled
+++IsEnablePlateColor	integer	body	true	License plate color detection switch 0: Disables 1: enabled
+++IsEnableDirection	integer	body	true	Travel direction detection switch 0: disables 1: Enables the function
+++IsEnableSpeed	integer	body	true	Move speed detection switch 0: disables 1: enabled

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Parameter names	Parameter type	Parameter position	Required	Description
+++IsEnableSunVisor	integer	body	true	Visor status detection switch 0: disables it 1: enabled
+++IsEnableSeatBelt	integer	body	true	Seat belt status detection switch 0: disables 1: enabled
+++IsEnableDriverMobile	integer	body	true	Master driver drive call status detection switch 0: Disables it 1: enabled
+++IsEnableAim	integer	body	true	Annual sticker status detection switch 0: disables it 1: enabled
+++IsEnablePendant	integer	body	true	Pendant status detection switch 0: Disables it 1: enabled
+++EnableDangerousGoodsMark	integer	body	true	Hazmat enable switch 0: disables 1: enabled Partial device support
+++EnableYellowPlateMark	integer	body	true	Yellow label car enable switch 0: Disables it 1: enabled Partial device support
+++EnableVehicleBrandType	integer	body	true	Car model enable switch 0: disables 1: enabled Partial device support

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6.9.8.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AttributeCollect",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "AttributeAll": 0,
      "FaceAttribute": {
        "IsEnableGender": 0,
        "IsEnableAge": 0,
        "IsEnableGlasses": 0,
        "IsEnableMaskFlag": 0,
        "IsEnableTemp": 0,
        "EnableHatColor": 0,
        "EnableHatStyle": 0
      },
      "PedestrianAttribute": {
        "IsEnableGender": 0,
        "IsEnableAge": 0,
```

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```
            "IsEnableMaskFlag": 0,
            "IsEnableUpperColor": 0,
            "IsEnableLowerColor": 0,
            "IsEnableUpClothesTexture": 0,
            "IsEnableUpperClothingStyle": 0,
            "IsEnableLowerClothingStyle": 0,
            "IsEnableShoes": 0,
            "IsEnableBodyAngle": 0,
            "IsEnableBagInfo": 0,
            "IsEnableHairStyle": 0,
            "IsEnableDirection": 0
        },
        "NonMotorVehicleAttribute": {
            "IsEnableGender": 0,
            "IsEnableAge": 0,
            "IsEnableUpperColor": 0,
            "IsEnableUpperClothingStyle": 0,
            "IsEnableNonVehicleType": 0,
            "IsEnableDirection": 0,
            "IsEnableSpeed": 0,
            "IsEnablePlateNumber": 0,
            "IsEnablePlateType": 0,
            "IsEnablePlateColor": 0
        },
        "VehicleAttribute": {
            "IsEnableLogo": 0,
            "IsEnableVehicleType": 0,
            "IsEnableVehicleColor": 0,
            "IsEnablePlateNumber": 0,
            "IsEnablePlateType": 0,
            "IsEnablePlateColor": 0,
            "IsEnableDirection": 0,
            "IsEnableSpeed": 0,
            "IsEnableSunVisor": 0,
            "IsEnableSeatBelt": 0,
            "IsEnableDriverMobile": 0,
            "IsEnableAim": 0,
            "IsEnablePendant": 0,
            "EnableDangerousGoodsMark": 0,
            "EnableYellowPlateMark": 0,
            "EnableVehicleBrandType": 0
        }
    }
  }
}
```

6.9.8.2 Set the Attribute Collect Configuration

6.9.8.2.1 Overview

Names	Description
Interface description	Set the Attribute Collect Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AttributeCollect
Interface request method	PUT
How to submit data	application/json

6.9.8.2.2 URL Description

None

6.9.8.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
AttributeAll	integer	body	true	Whether all properties are on 0: Not full attribute 1: Full attribute
FaceAttribute	object	body	true	Face properties switch Information
+IsEnableGender	integer	body	true	Sex check switch 0: disables 1: enabled
+IsEnableAge	integer	body	true	Age detection switch 0: Disable 1: enabled
+IsEnableGlasses	integer	body	true	Glasses detection switch 0: disables 1: Enables the function
+IsEnableMaskFlag	integer	body	true	Wear a mask to detect switches 0: Disable 1: enabled
+IsEnableTemp	integer	body	true	Body temperature detection switch 0: disables 1: enabled
+EnableHatColor	integer	body	true	Hat color Enable switch 0: Disable 1: Enable Some Device Support
+EnableHatStyle	integer	body	true	Hat style Enable switch 0: Disable 1: Enable Some Device support
PedestrianAttribute	object	body	true	Pedestrian property switch Information
+IsEnableGender	integer	body	true	Gender detection switch 0: disables 1: enabled
+IsEnableAge	integer	body	true	Age detection switch 0: Disable 1: enabled
+IsEnableMaskFlag	integer	body	true	Wear a mask to detect switches 0: Disable 1: enabled
+IsEnableUpperColor	integer	body	true	Top color detection switch 0: Disables 1: enabled
+IsEnableLowerColor	integer	body	true	Undercoat color detection switch 0: disables it

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Parameter Name	Parameter type	Parameter location	Required	Description
				1: enabled
+IsEnableUpClothesTexture	integer	body	true	Top texture detection switch 0: disables 1: enabled
+IsEnableUpperClothingStyle	integer	body	true	Top style detection switch 0: Disables 1: Enables the function
+IsEnableLowerClothingStyle	integer	body	true	Undergarment style detection switch 0: disables it 1: enabled
+IsEnableShoes	integer	body	true	Shoe detection switch 0: disables 1: enabled
+IsEnableBodyAngle	integer	body	true	Body position Angle detection switch 0: Disables it 1: enabled
+IsEnableBagInfo	integer	body	true	Carry Information detection switch 0: disables it 1: enabled
+IsEnableHairStyle	integer	body	true	Hair detection switch 0: disables 1: enabled
+IsEnableDirection	integer	body	true	Motion direction detection switch 0: disables 1: enabled
NonMotorVehicleAttribute	object	body	true	Non-motor vehicle property switch Information
+IsEnableGender	integer	body	true	Gender detection switch 0: disables 1: enabled
+IsEnableAge	integer	body	true	Age detection switch 0: Disable 1: enabled
+IsEnableUpperColor	integer	body	true	Top color detection switch 0: Disables 1: enabled
+IsEnableUpperClothingStyle	integer	body	true	Top style detection switch 0: Disables 1: enabled
+IsEnableNonVehicleType	integer	body	true	Non-motor vehicle type detection switch 0: disables 1: enabled
+IsEnableDirection	integer	body	true	Travel direction detection switch 0: disables 1: enabled

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Parameter Name	Parameter type	Parameter location	Required	Description
+IsEnableSpeed	integer	body	true	Move speed detection switch 0: disables 1: Enables the function
+IsEnablePlateNumber	integer	body	true	License plate number detection switch 0: Disables 1: enabled
+IsEnablePlateType	integer	body	true	License plate type detection switch 0: Disables 1: enabled
+IsEnablePlateColor	integer	body	true	License plate color detection switch 0: Disables 1: enabled
VehicleAttribute	object	body	true	Motor vehicle property switch Information
+IsEnableLogo	integer	body	true	Vehicle brand detection switch 0: disables 1: enabled
+IsEnableVehicleType	integer	body	true	Vehicle type detection switch 0: Disables 1: enabled
+IsEnableVehicleColor	integer	body	true	Vehicle color detection switch 0: Disables 1: enabled
+IsEnablePlateNumber	integer	body	true	License plate number detection switch 0: Disables 1: enabled
+IsEnablePlateType	integer	body	true	License plate type detection switch 0: Disables 1: enabled
+IsEnablePlateColor	integer	body	true	License plate color detection switch 0: Disables 1: enabled
+IsEnableDirection	integer	body	true	Travel direction detection switch 0: disables 1: enabled
+IsEnableSpeed	integer	body	true	Moving speed detection switch 0: disables 1: enabled
+IsEnableSunVisor	integer	body	true	Visor status detection switch 0: disables it 1: enabled
+IsEnableSeatBelt	integer	body	true	Seat belt status detection switch 0: disables 1: Enables the function
+IsEnableDriverMobile	integer	body	true	Master driver drive call status detection switch 0: Disables it

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Parameter Name	Parameter type	Parameter location	Required	Description
				1: enabled
+IsEnableAim	integer	body	true	Annual sticker status detection switch 0: disables it 1: enabled
+IsEnablePendant	integer	body	true	Pendant status detection switch 0: Disables it 1: enabled
+EnableDangerousGoodsMark	integer	body	true	Hazmat enable switch 0: Disables 1: enabled Partial device support
+EnableYellowPlateMark	integer	body	true	Yellow label car enable switch 0: Disables it 1: enabled Partial device support
+EnableVehicleBrandType	integer	body	true	Car model enable switch 0: Disables 1: enabled Partial device support

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6.9.8.2.4 Example for Request Parameters

```
{
    "AttributeAll": 0,
    "FaceAttribute": {
        "IsEnableGender": 0,
        "IsEnableAge": 0,
        "IsEnableGlasses": 0,
        "IsEnableMaskFlag": 0,
        "IsEnableTemp": 0,
        "EnableHatColor": 0,
        "EnableHatStyle": 0
    },
    "PedestrianAttribute": {
        "IsEnableGender": 0,
        "IsEnableAge": 0,
        "IsEnableMaskFlag": 0,
        "IsEnableUpperColor": 0,
        "IsEnableLowerColor": 0,
        "IsEnableUpClothesTexture": 0,
        "IsEnableUpperClothingStyle": 0,
        "IsEnableLowerClothingStyle": 0,
        "IsEnableShoes": 0,
        "IsEnableBodyAngle": 0,
        "IsEnableBagInfo": 0,
        "IsEnableHairStyle": 0,
        "IsEnableDirection": 0
    },
    "NonMotorVehicleAttribute": {
        "IsEnableGender": 0,
        "IsEnableAge": 0,
        "IsEnableUpperColor": 0,
        "IsEnableUpperClothingStyle": 0,
```

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```
        "IsEnableNonVehicleType": 0,
        "IsEnableDirection": 0,
        "IsEnableSpeed": 0,
        "IsEnablePlateNumber": 0,
        "IsEnablePlateType": 0,
        "IsEnablePlateColor": 0
    },
    "VehicleAttribute": {
        "IsEnableLogo": 0,
        "IsEnableVehicleType": 0,
        "IsEnableVehicleColor": 0,
        "IsEnablePlateNumber": 0,
        "IsEnablePlateType": 0,
        "IsEnablePlateColor": 0,
        "IsEnableDirection": 0,
        "IsEnableSpeed": 0,
        "IsEnableSunVisor": 0,
        "IsEnableSeatBelt": 0,
        "IsEnableDriverMobile": 0,
        "IsEnableAim": 0,
        "IsEnablePendant": 0,
        "EnableDangerousGoodsMark": 0,
        "EnableYellowPlateMark": 0,
        "EnableVehicleBrandType": 0
    }
}
```

6.9.8.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.8.2.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AttributeCollect",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.9 Cross Line Detection

6.9.9.1 Get the Cross Line Detection Configuration in the Specified Video Input Channel

6.9.9.1.1 Overview

Names	Description
Interface description	Get the Cross Line Detection Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule
Interface request method	GET
How to submit data	application/json

6.9.9.1.2 URL Description

None

6.9.9.1.3 Request Parameters

None

6.9.9.1.4 Example for Request Parameters

None

6.9.9.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	The out-of-bounds detection is enabled 0: indicates that it is disabled 1: enabled
++VideoOverlay	object	body	false	Video overlay intelligent Information Not supported on some devices

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Parameter name	Parameter type	Parameter location	Required	Description
+++MarkObject	integer	body	false	Whether to identify the detection target 0: Does not identify the target 1: Identifies the target
+++DisplayRule	integer	body	false	Whether to display the rule tag 0: not displayed 1: Display

6.9.9.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "VideoOverlay": {
        "MarkObject": 0,
        "DisplayRule": 0
      }
    }
  }
}
```

6.9.9.2 Set the Cross Line Detection Configuration in the Specified Video Input Channel

6.9.9.2.1 Overview

Names	Description
Interface description	Set the Cross Line Detection Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.9.9.2.2 URL Description

None

6.9.9.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	The out-of-bounds detection is enabled

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Parameter Name	Parameter type	Parameter location	Required	Description
				0: indicates that it is disabled 1: enabled
VideoOverlay	object	body	false	Video overlay intelligent Information Not supported on some devices
+MarkObject	integer	body	false	Whether to identify the detection target 0: Does not identify the target 1: Identifies the target
+DisplayRule	integer	body	false	Whether to display the rule tag 0: Does not display 1: Display

6.9.9.2.4 Example for Request Parameters

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```
{
   "Enabled": 0,
   "VideoOverlay": {
      "MarkObject": 0,
      "DisplayRule": 0
   }
}
```

6.9.9.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

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6.9.9.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Rule",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
```

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```
}
```

6.9.9.3 Get All Areas for Cross Line Detection in the Specified Video Input Channel

6.9.9.3.1 Overview

Names	Description
Interface description	Get All Areas for Cross Line Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas
Interface request method	GET
How to submit data	application/json

6.9.9.3.2 URL Description

None

6.9.9.3.3 Request Parameters

None

6.9.9.3.4 Example for Request Parameters

None

6.9.9.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	The maximum number of areas that can be drawn, out-of-bounds detection is currently up to 4
++LineInfoList	object[]	body	false	Detect the list of zone parameter Information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported

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Parameter names	Parameter type	Parameter location	Required	Description
+++Enabled	integer	body	true	The detection area was enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
+++StartPoint	object	body	true	Line detection area starting point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinate Value range: [0, 10000]
+++EndPoint	object	body	true	Line detection area termination point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets This parameter is mandatory if the target parameter is available Maximum size 3
+++DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.9.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "LineInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "Direction": 1,
          "StartPoint": {
            "X": 5000,
            "Y": 5000
          },
          "EndPoint": {
            "X": 5000,
            "Y": 5000
          },
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```


6.9.9.4 Set All Areas for Cross Line Detection in the Specified Video Input Channel

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6.9.9.4.1 Overview

Names	Description
Interface description	Set All Areas for Cross Line Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas
Interface request method	PUT
How to submit data	application/json

6.9.9.4.2 URL Description

None

6.9.9.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	The maximum number of areas that can be plotted is currently up to 4 for out-of-bounds detection
LineInfoList	object[]	body	false	Detect the list of zone parameter Information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	The detection area was enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
+StartPoint	object	body	true	Line detection area starting point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinate Value range: [0, 10000]
+EndPoint	object	body	true	Line detection area termination point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]

Parameter names	Parameter type	Parameter location	Required	Description
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets This parameter is mandatory if the target parameter is available Maximum size 3
+DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.9.4.4 Example for Request Parameters

```
{
   "Num": 4,
   "LineInfoList": [
      {
         "ID": 1,
         "Enabled": 0,
         "Sensitivity": 1,
         "Direction": 1,
         "StartPoint": {
            "X": 5000,
            "Y": 5000
         },
         "EndPoint": {
            "X": 5000,
            "Y": 5000
         },
         "Priority": 0,
         "Num": 0,
         "DetectTargetList": [
```

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```
            {
                "Enabled": 0,
                "Type": 0,
                "ObjectMaxSize": {
                    "Width": 5000,
                    "Height": 5000
                },
                "ObjectMinSize": {
                    "Width": 5000,
                    "Height": 5000
                }
            }
        ]
    }
  ]
}
```

6.9.9.4.5 Return Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.9.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.9.5 Get the Detection Rule Area Information of Specified Cross Line Detection in the Specified Video Input Channel

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6.9.9.5.1 Overview

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Names	Description
Interface description	Get the Detection Rule Area Information of Specified Cross Line Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.9.5.2 URL Description

None

6.9.9.5.3 Request Parameters

None

6.9.9.5.4 Example for Request Parameters

None

6.9.9.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Direction	integer	body	true	Direction: The starting point of the regular line clockwise (left-hand side) is A, counterclockwise (right-hand side) is B 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A

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Parameter names	Parameter type	Parameter location	Required	Description
				2: A -> B, bearing A to bearing B
++StartPoint	object	body	true	Line detection area starting point coordinates
+++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
++EndPoint	object	body	true	Line detection area termination point coordinates
+++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detected targets This parameter is mandatory if there are target parameters Maximum size 3
++DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
+++Enabled	integer	body	true	Detect switches 0: disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.9.5.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Direction": 1,
      "StartPoint": {
        "X": 5000,
        "Y": 5000
      },
      "EndPoint": {
        "X": 5000,
        "Y": 5000
      },
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```

6.9.9.6 Set the Detection Rule Area Information of Specified Cross Line Detection in the Specified Video Input Channel

6.9.9.6.1 Overview

Names	Description
Interface description	Set the Detection Rule Area Information of Specified Cross Line Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.9.6.2 URL Description

None

6.9.9.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Direction	integer	body	true	Direction: The starting point of the regular line is A clockwise square (left hand side) and B counterclockwise (right hand side) 0: A <-> B, azimuth AB bidirectional 1: B -> A, azimuth B to azimuth A 2: A -> B, bearing A to bearing B
StartPoint	object	body	true	Line detection area starting point coordinates
+X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
EndPoint	object	body	true	Line detection area termination point coordinates
+X	integer	body	true	X-axis coordinates Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets This parameter is mandatory if there are target parameters Maximum size 3
DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
+Enabled	integer	body	true	Detection switch 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.9.6.4 Example for Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "Direction": 1,
   "StartPoint": {
      "X": 5000,
      "Y": 5000
   },
   "EndPoint": {
      "X": 5000,
      "Y": 5000
   },
   "Priority": 0,
   "Num": 0,
   "DetectTargetList": [
      {
         "Enabled": 0,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.9.9.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.9.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.9.7 Query the Linkage Action for Cross Line Detection

6.9.9.7.1 Overview

Names	Description
Interface description	Query the Linkage Action for Cross Line Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.9.7.2 URL Description

None

6.9.9.7.3 Request Parameters

None

6.9.9.7.4 Example for Request Parameters

None

6.9.9.7.5 Return Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This parameter is mandatory when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.9.7.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.9.8 Set the Linkage Action for Cross Line Detection

6.9.9.8.1 Overview

name	Description
Interface description	Set the Linkage Action for Cross Line Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.9.8.2 URL Description

None

6.9.9.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items

Parameter names	Parameter type	Parameter location	Required	Description
				IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: Linkage sound alarm deployment 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.9.8.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.9.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

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Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.9.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.9.9 Query the Monitor Plan for Cross Line Detection

6.9.9.9.1 Overview

Names	Description
Interface description	Query the Monitor Plan for Cross Line Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.9.9.2 URL Description

None

6.9.9.9.3 Request Parameters

None

6.9.9.9.4 Example for Request Parameters

None

6.9.9.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Planned days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information Periods of the same day cannot overlap
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.9.9.9.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.9.9.10 Set the Monitor Plan for Cross Line Detection

6.9.9.10.1 Overview

Names	Description
Interface description	Set the Monitor Plan for Cross Line Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.9.10.2 URL Description

None

6.9.9.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1

Parameter names	Parameter type	Parameter location	Required	Description
				0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time The format is hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.9.10.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
```

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```
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```

6.9.9.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.9.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/CrossLineDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.10 Intrusion Detection

6.9.10.1 Get the Configuration Information for Intrusion Detection in the Specified Video Input Channel

6.9.10.1.1 Overview

Names	Description
Interface description	Get the Configuration Information for Intrusion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule
Interface request method	GET

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Names	Description
How to submit data	application/json

6.9.10.1.2 URL Description

None

6.9.10.1.3 Request Parameters

None

6.9.10.1.4 Example for Request Parameters

None

6.9.10.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Area intrusion detection is enabled 0: disables intrusion detection 1: enabled
++VideoOverlay	object	body	false	Video overlay intelligent Information
+++MarkObject	integer	body	true	Whether to identify the detection target 0: Does not identify the target 1: Identifies the target
+++DisplayRule	integer	body	true	Whether to display rule markers 0: Does not display 1: Display

6.9.10.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "VideoOverlay": {
        "MarkObject": 0,
        "DisplayRule": 0
      }
    }
  }
}
```

6.9.10.2 Set the Configuration Information for Intrusion Detection in the Specified Video Input Channel

6.9.10.2.1 Overview

name	Description
Interface description	Set the Configuration Information for Intrusion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule
Interface request method	PUT
How to submit data	application/json

6.9.10.2.2 URL Description

None

6.9.10.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Area intrusion detection is enabled 0: disables intrusion detection 1: enabled
VideoOverlay	object	body	false	Video overlay intelligent Information
+MarkObject	integer	body	true	Whether to identify the detection target 0: Does not identify the target 1: Identifies the target
+DisplayRule	integer	body	true	Whether to display rule markers 0: Does not display 1: Display

6.9.10.2.4 Example for Request Parameters

```
{
  "Enabled": 0,
```

```
    "VideoOverlay": {
        "MarkObject": 0,
        "DisplayRule": 0
    }
}
```

6.9.10.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.10.2.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Rule",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.10.3 Get all Areas for Intrusion Detection in the Specified Video Input Channel

6.9.10.3.1 Overview

Names	Description
Interface description	Get all Areas for Intrusion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas
Interface request method	GET
How to submit data	application/json

6.9.10.3.2 URL Description

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None

6.9.10.3.3 Request Parameters

None

6.9.10.3.4 Example for Request Parameters

None

6.9.10.3.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of zones that can be drawn, zone intrusions currently default to 4
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter Information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	sensitivity Range of values: [1, 100]
+++Percentage	integer	body	true	Take a percentage Value range: [1, 100]
+++TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0

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Parameter names	Parameter type	Parameter position	Required	Description
				Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets This parameter is mandatory if there are target parameters
+++DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.10.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
```


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```
            "Sensitivity": 1,
            "Percentage": 1,
            "TimeThreshold": 1,
            "PointNum": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ],
            "Priority": 0,
            "Num": 0,
            "DetectTargetList": [
              {
                "Enabled": 0,
                "Type": 0,
                "ObjectMaxSize": {
                  "Width": 5000,
                  "Height": 5000
                },
                "ObjectMinSize": {
                  "Width": 5000,
                  "Height": 5000
                }
              }
            ]
          }
        ]
      }
    }
}
```

6.9.10.4 Set all Areas for Intrusion Detection in the Specified Video Input Channel

6.9.10.4.1 Overview

Names	Description
Interface description	Set all Areas for Intrusion Detection in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas
Interface request method	PUT
How to submit data	application/json

6.9.10.4.2 URL Description

None

6.9.10.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of zones that can be drawn, zone intrusions currently default to 4
PolygonInfoList	object[]	body	false	Detect the list of zone parameter Information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: Enables the function
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+Percentage	integer	body	true	Take a percentage Value range: [1, 100]
+TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets This parameter is mandatory if there are target parameters
+DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size

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Parameter names	Parameter type	Parameter location	Required	Description
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.10.4.4 Example for Request Parameters

```
{
  "Num": 4,
  "PolygonInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Percentage": 1,
      "TimeThreshold": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  ]
}
```

6.9.10.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.10.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.10.5 Get Information on Zone Intrusions

6.9.10.5.1 Overview

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Names	Description
Interface description	Get Information on Zone Intrusions
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.10.5.2 URL Description

None

6.9.10.5.3 Request Parameters

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None

6.9.10.5.4 Example for Request Parameters

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None

6.9.10.5.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++Percentage	integer	body	true	Take a percentage Value range: [1, 100]
++TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detection targets This parameter is mandatory if there are target parameters

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Parameter names	Parameter type	Parameter location	Required	Description
++DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 10000]

6.9.10.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "Percentage": 1,
      "TimeThreshold": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
```


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```
                "Height": 5000
            },
            "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
            }
        }
    ]
  }
 }
}
```

6.9.10.6 Set the Information for Zone Intrusion

6.9.10.6.1 Overview

Names	Description
Interface description	Set the Information for Zone Intrusion
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.10.6.2 URL Description

None

6.9.10.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
Percentage	integer	body	true	Take a percentage Value range: [1, 100]
TimeThreshold	integer	body	true	Time threshold Value range: [1, 10]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph

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Parameter names	Parameter type	Parameter location	Required	Description
				Unit 10,000th ratio
+X	integer	body	true	X-axis coordinate Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
Priority	integer	body	false	priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets This parameter is mandatory if there are target parameters
DetectTargetList	object[]	body	false	Detect the list of target Information Mandatory if there are target parameters
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.10.6.4 Example for Request Parameters

```
{
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 1,
    "Percentage": 1,
    "TimeThreshold": 1,
    "PointNum": 4,
    "PointList": [
```

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```
      {
        "X": 5000,
        "Y": 5000
      }
    ],
    "Priority": 0,
    "Num": 0,
    "DetectTargetList": [
      {
        "Enabled": 0,
        "Type": 0,
        "ObjectMaxSize": {
          "Width": 5000,
          "Height": 5000
        },
        "ObjectMinSize": {
          "Width": 5000,
          "Height": 5000
        }
      }
    ]
}
```

6.9.10.6.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.10.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.10.7 Query the Linkage Action for Zone Intrusion

6.9.10.7.1 Overview

Names	Description
Interface description	Query the Linkage Action for Zone Intrusion
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.10.7.2 URL Description

None

6.9.10.7.3 Request Parameters

None

6.9.10.7.4 Example for Request Parameters

None

6.9.10.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters

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Parameter names	Parameter type	Parameter location	Required	Description
				Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.10.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.10.8 Set the Linkage Action for Zone Intrusion

6.9.10.8.1 Overview

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Names	Description
Interface description	Set the Linkage Action for Intrusion Detection
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.10.8.2 URL Description

None

6.9.10.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: uploads linkage snapshots to the FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.10.8.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.10.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.10.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.10.9 Query the Monitor Plan for Zone Intrusions

6.9.10.9.1 Overview

Names	Description
Interface description	Query the Monitor Plan for Zone Intrusions
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan

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Names	Description
Interface request method	GET
How to submit data	application/json

6.9.10.9.2 URL Description

None

6.9.10.9.3 Request Parameters

None

6.9.10.9.4 Example for Request Parameters

None

6.9.10.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday

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Parameter names	Parameter type	Parameter location	Required	Description
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time The format is hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.10.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.9.10.10 Configure Intrusion Detection Monitor Plan

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6.9.10.10.1 Overview

Names	Description
Interface description	Configure Intrusion Detection Monitor Plan
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.10.10.2 URL Description

None

6.9.10.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: disables 1: enabled
Num	integer	body	false	Plan days Max. 7(seven days a week)
Days	object[]	body	false	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense

Parameter names	Parameter type	Parameter location	Required	Description
				Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.9.10.10.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.9.10.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.10.10.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/IntrusionDetection/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.11 Leave Zone

6.9.11.1 Get the Leave Zone Configuration in the Specified Video Input Channel

6.9.11.1.1 Overview

Names	Description
Interface description	Get the Leave Zone Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule
Interface request method	GET
How to submit data	application/json

6.9.11.1.2 URL Description

None

6.9.11.1.3 Request Parameters

None

6.9.11.1.4 Example for Request Parameters

None

6.9.11.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing

Parameter names	Parameter type	Parameter location	Required	Description
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Leave Zone Detection enabled 0: Disable 1: enabled
++VideoOverlay	object	body	false	Video overlay intelligent Information
+++MarkObject	integer	body	true	Whether to identify the detection target 0: Does not identify the target 1: indicates the target
+++DisplayRule	integer	body	true	Whether to display rule markers 0: Does not display 1: Display

6.9.11.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "VideoOverlay": {
        "MarkObject": 0,
        "DisplayRule": 0
      }
    }
  }
}
```

6.9.11.2 Set the Leave Zone Configuration in the Specified Video Input Channel

6.9.11.2.1 Overview

Names	Description
Interface description	Set the Leave Zone Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule
Interface request method	PUT
How to submit data	application/json

6.9.11.2.2 URL Description

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None

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6.9.11.2.3 Request Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Leave Zone Detection enabled 0: Disable 1: enabled
VideoOverlay	object	body	false	Video overlay intelligent Information
+MarkObject	integer	body	true	Whether to identify the detection target 0: does not identify the target 1: Identifies the target
+DisplayRule	integer	body	true	Whether to display rule markers 0: Does not display 1: Display

6.9.11.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "VideoOverlay": {
      "MarkObject": 0,
      "DisplayRule": 0
   }
}
```

6.9.11.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.11.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Rule",
      "ResponseCode": 0,
```

```
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.11.3 Get All Zones that Leave Zone in the Specified Video Input Channel

6.9.11.3.1 Overview

Names	Description
Interface description	Get All Zones That Leave Zone in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas
Interface request method	GET
How to submit data	application/json

6.9.11.3.2 URL Description

None

6.9.11.3.3 Request Parameters

None

6.9.11.3.4 Example for Request Parameters

None

6.9.11.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn Leave areas currently default to 4

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Parameter names	Parameter type	Parameter location	Required	Description
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter Information
+++ID	integer	body	true	Detect zone Index Starting from 0, a maximum of four regions are supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets
+++DetectTargetList	object[]	body	false	Detect the list of target Information
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.11.3.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ],
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```


6.9.11.4 Set All Zones that Leave Zone in the Specified Video Input Channel

6.9.11.4.1 Overview

Names	Description
Interface description	Set All Zones that Leave Zone in the Specified Video Input Channel

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Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas
Interface request method	PUT
How to submit data	application/json

6.9.11.4.2 URL Description

None

6.9.11.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn Leave areas currently default to 4
PolygonInfoList	object[]	body	false	Detect the list of zone parameter Information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets
+DetectTargetList	object[]	body	false	Detect the list of target Information

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Parameter names	Parameter type	Parameter location	Required	Description
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.11.4.4 Example for Request Parameters


```
{
  "Num": 1,
  "PolygonInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
```


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```
  ]
}
```

6.9.11.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.11.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.11.5 Get the Information for the Specified Leave Zone

6.9.11.5.1 Overview

Names	Description
Interface description	Get the Information for the Specified Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.11.5.2 URL Description

None

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6.9.11.5.3 Request Parameters

None

6.9.11.5.4 Example for Request Parameters

None

6.9.11.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit to 10,000 ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detected targets

Parameter names	Parameter type	Parameter location	Required	Description
++DetectTargetList	object[]	body	false	Detect the list of target Information
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: Non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.11.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
```


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```
                "Width": 5000,
                "Height": 5000
            }
        }
    ]
  }
}
}
```

6.9.11.6 Set the Information for Specified the Leave Zone

6.9.11.6.1 Overview

Names	Description
Interface description	Set the Information for Specified the Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.11.6.2 URL Description

None

6.9.11.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio

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Parameter names	Parameter type	Parameter location	Required	Description
				Default: 0 Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets
DetectTargetList	object[]	body	false	Detect the list of target Information
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.11.6.4 Example for Request Parameters

```
{
    "ID": 1,
    "Enabled": 0,
    "Sensitivity": 1,
    "PointNum": 4,
    "PointList": [
        {
            "X": 5000,
            "Y": 5000
        }
    ],
    "Priority": 0,
    "Num": 0,
    "DetectTargetList": [
        {
            "Enabled": 0,
            "Type": 0,
            "ObjectMaxSize": {
                "Width": 5000,
```

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```
            "Height": 5000
        },
        "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
        }
    }
  ]
}
```

6.9.11.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.11.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.11.7 Query the Linkage Action for Leave Zone

6.9.11.7.1 Overview

Names	Description
Interface description	Query the Linkage Action for Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions
Interface request method	GET
How to submit data	application/json

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6.9.11.7.2 URL Description

None

6.9.11.7.3 Request Parameters

None

6.9.11.7.4 Example for Request Parameters

None

6.9.11.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity The maximum number of devices is 32. The maximum number of some devices is 13
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload

Parameter names	Parameter type	Parameter location	Required	Description
				16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.11.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.11.8 Set the Linkage Action for Leave Zone

6.9.11.8.1 Overview

Names	Description
Interface description	Set the Linkage Action for Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.11.8.2 URL Description

None

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6.9.11.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.11.8.4 Example for Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.9.11.8.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.11.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.11.9 Query the Monitor Plan for Leave Zone

6.9.11.9.1 Overview

Names	Description
Interface description	Query the Monitor Plan for Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.11.9.2 URL Description

None

6.9.11.9.3 Request Parameters

None

6.9.11.9.4 Example for Request Parameters

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None

6.9.11.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: disables 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.11.9.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.9.11.10 Configuring the Monitor Plan for Leave Zone

6.9.11.10.1 Overview

Names	Description
Interface description	Configuring the Monitor Plan for Leave Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.11.10.2 URL Description

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None

6.9.11.10.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Monitor type Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.11.10.4 Example for Request Parameters

```
{
  "Enabled": 1,
```

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```
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.9.11.10.5 Return Parameters

Parameter Name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.11.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/LeaveZone/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.12 Access Zone

6.9.12.1 Get the Access Zone Configuration in the Specified Video Input Channel

6.9.12.1.1 Overview

Names	Description
Interface description	Get the Access Zone Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule
Interface request method	GET
How to submit data	application/json

6.9.12.1.2 URL Description

None

6.9.12.1.3 Request Parameters

None

6.9.12.1.4 Example for Request Parameters

None

6.9.12.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Detect Enable 0: Disables 1: enabled
++VideoOverlay	object	body	true	Video overlays intelligent Information
+++MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: indicates the target
+++DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Not displayed 1: Display

6.9.12.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "VideoOverlay": {
        "MarkObject": 1,
        "DisplayRule": 1
      }
    }
  }
}
```

6.9.12.2 Set the Access Zone Configuration in the Specified Video Input Channel

6.9.12.2.1 Overview

Names	Description
Interface description	Set the Access Zone Configuration in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule
Interface request method	PUT
How to submit data	application/json

6.9.12.2.2 URL Description

None

6.9.12.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Detect Enable 0: Disables 1: enabled
VideoOverlay	object	body	true	Video overlays intelligent Information

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Parameter names	Parameter type	Parameter location	Required	Description
+MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: Identifies the target
+DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported 0: Not displayed 1: Display

6.9.12.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "VideoOverlay": {
      "MarkObject": 1,
      "DisplayRule": 1
   }
}
```

6.9.12.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.12.2.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Rule",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.9.12.3 Get All Zones that Access Zone in the Specified Video Input Channel

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6.9.12.3.1 Overview

Names	Description
Interface description	Get All Zones that Access Zone in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas
Interface request method	GET
How to submit data	application/json

6.9.12.3.2 URL Description

None

6.9.12.3.3 Request Parameters

None

6.9.12.3.4 Example for Request Parameters

None

6.9.12.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Maximum number of areas that can be drawn, entering areas is currently 4 by default
++PolygonInfoList	object[]	body	false	Detect the list of zone parameter Information
+++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+++Sensitivity	integer	body	true	Sensitivity

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Parameter names	Parameter type	Parameter location	Required	Description
				Range of values: [1, 100]
+++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+++Num	integer	body	false	Number of detected targets
+++DetectTargetList	object[]	body	false	Detect the list of target Information
++++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++++ObjectMaxSize	object	body	true	Maximum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
++++ObjectMinSize	object	body	true	Minimum target size
+++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.12.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas",
```


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```
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 4,
      "PolygonInfoList": [
        {
          "ID": 1,
          "Enabled": 0,
          "Sensitivity": 1,
          "PointNum": 4,
          "PointList": [
            {
              "X": 5000,
              "Y": 5000
            }
          ],
          "Priority": 0,
          "Num": 0,
          "DetectTargetList": [
            {
              "Enabled": 0,
              "Type": 0,
              "ObjectMaxSize": {
                "Width": 5000,
                "Height": 5000
              },
              "ObjectMinSize": {
                "Width": 5000,
                "Height": 5000
              }
            }
          ]
        }
      ]
    }
  }
}
```


6.9.12.4 Set All Zones that Access Zone in the Specified Video Input Channel

6.9.12.4.1 Overview

Names	Description
Interface description	Set All Zones that Access Zone in the Specified Video Input Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas
Interface request method	PUT
How to submit data	application/json

6.9.12.4.2 URL Description

None

6.9.12.4.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Maximum number of areas that can be drawn, entering areas is currently 4 by default
PolygonInfoList	object[]	body	false	Detect the list of zone parameter information
+ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
+Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
+Sensitivity	integer	body	true	Sensitivity Range of values: [1, 100]
+PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
+PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
+Num	integer	body	false	Number of detected targets
+DetectTargetList	object[]	body	false	Detect the list of target information
++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
++ObjectMaxSize	object	body	true	Maximum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

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Parameter names	Parameter type	Parameter location	Required	Description
++ObjectMinSize	object	body	true	Minimum target size
+++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
+++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.12.4.4 Example for Request Parameters

```
{
  "Num": 4,
  "PolygonInfoList": [
    {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  ]
}
```

6.9.12.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.12.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.12.5 Get the Information for the Specified Access Zone

6.9.12.5.1 Overview

Names	Description
Interface description	Get the Information for the Specified Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>
Interface request method	GET
How to submit data	application/json

6.9.12.5.2 URL Description

None

6.9.12.5.3 Request Parameters

None

6.9.12.5.4 Example for Request Parameters

None

6.9.12.5.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
++Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
++Sensitivity	integer	body	true	sensitivity Range of values: [1, 100]
++PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
++PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+++X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+++Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
++Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
++Num	integer	body	false	Number of detected targets
++DetectTargetList	object[]	body	false	Detect the target Information list
+++Enabled	integer	body	true	Detect switches 0: Disables 1: enabled
+++Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+++ObjectMaxSize	object	body	true	Maximum target size

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Parameter names	Parameter type	Parameter location	Required	Description
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+++ObjectMinSize	object	body	true	Minimum target size
++++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++++Height	integer	body	true	Target altitude, 10,000 to 10,000 Value range: [0, 10000]

6.9.12.5.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>".
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 1,
      "Enabled": 0,
      "Sensitivity": 1,
      "PointNum": 4,
      "PointList": [
        {
          "X": 5000,
          "Y": 5000
        }
      ],
      "Priority": 0,
      "Num": 0,
      "DetectTargetList": [
        {
          "Enabled": 0,
          "Type": 0,
          "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
          },
          "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
          }
        }
      ]
    }
  }
}
```


6.9.12.6 Set the Information for the Specified Access Zone

6.9.12.6.1 Overview

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Names	Description
Interface description	Set the Information for the Specified Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.12.6.2 URL Description

None

6.9.12.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Detect zone Index Starting from 0, up to 4 regions are currently supported
Enabled	integer	body	true	Check whether the zone is enabled 0: disables 1: enabled
Sensitivity	integer	body	true	Sensitivity Value range: [1, 100]
PointNum	integer	body	true	Detects the number of vertices in the area polygon figure Value range: [0, 6] Default value: 0
PointList	object[]	body	true	Coordinates of each vertex of the zone graph Unit 10,000th ratio
+X	integer	body	true	X-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
+Y	integer	body	true	Y-axis coordinates Unit to 10,000 ratio Default: 0 Value range: [0, 10000]
Priority	integer	body	false	Priority 0: High 1: Medium 2: Low
Num	integer	body	false	Number of detected targets
DetectTargetList	object[]	body	false	Detect the list of target Information
+Enabled	integer	body	true	Detect switches 0: Disables 1: enabled

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Parameter names	Parameter type	Parameter location	Required	Description
+Type	integer	body	true	Detection type 0: Motor vehicle 1: non-motor vehicle 2: Pedestrian
+ObjectMaxSize	object	body	true	Maximum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]
+ObjectMinSize	object	body	true	Minimum target size
++Width	integer	body	true	Target width, 10,000 to 10,000 ratio Value range: [0, 10000]
++Height	integer	body	true	Target height, 10,000 to 10,000 Value range: [0, 10000]

6.9.12.6.4 Example for Request Parameters

```
{
   "ID": 1,
   "Enabled": 0,
   "Sensitivity": 1,
   "PointNum": 4,
   "PointList": [
      {
         "X": 5000,
         "Y": 5000
      }
   ],
   "Priority": 0,
   "Num": 0,
   "DetectTargetList": [
      {
         "Enabled": 0,
         "Type": 0,
         "ObjectMaxSize": {
            "Width": 5000,
            "Height": 5000
         },
         "ObjectMinSize": {
            "Width": 5000,
            "Height": 5000
         }
      }
   ]
}
```

6.9.12.6.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.12.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/Areas/<ID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.12.7 Query the Linkage Action for Access Zone

6.9.12.7.1 Overview

Names	Description
Interface description	Query the Linkage Action for Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.12.7.2 URL Description

None

6.9.12.7.3 Request Parameters

None

6.9.12.7.4 Example for Request Parameters

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None

6.9.12.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0,] Default value: 8
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Support
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the photo to E-mail 13: uploads the E-mail and FTP files at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameter configuration varies according to different linkage items. For details, see 7.2.1 Alarm Linkage Action Parameter Table

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6.9.12.7.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.12.8 Set the Linkage Action for Access Zone

6.9.12.8.1 Overview

Names	Description
Interface description	Set the Linkage Action for Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.12.8.2 URL Description

None

6.9.12.8.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity The maximum number of devices is 32. The maximum number of some devices is 13
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported

Parameter names	Parameter type	Parameter location	Required	Description
				1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.12.8.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.12.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.12.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.12.9 Query the Monitor Plan for Access Zone

6.9.12.9.1 Overview

name	Description
Interface description	Query the Monitor Plan for Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.12.9.2 URL Description

None

6.9.12.9.3 Request Parameters

None

6.9.12.9.4 Example for Request Parameters

None

6.9.12.9.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum length is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Call the police 3: Motion and call the police 4: motion or police

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Parameter names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.9.12.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.9.12.10 Configuring the Monitor Plan for Access Zone

6.9.12.10.1 Overview

Names	Description
Interface description	Configuring the Monitor Plan for Access Zone
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.12.10.2 URL Description

None

6.9.12.10.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time The format is hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.12.10.4 Example for Request Parameters

```
{
    "Enabled": 1,
    "Num": 1,
    "Days": [
        {
            "ID": 1,
            "Num": 1,
```

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```
        "TimeSectionInfos": [
          {
            "Begin": "00:00:00",
            "End": "23:59:59",
            "ArmingType": 0
          }
        ]
      }
    ]
}
```

6.9.12.10.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.12.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/AccessZone/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.13 People Counting

6.9.13.1 Get the Configuration Information for Line Crossing People Count Rule

6.9.13.1.1 Overview

Names	Description
Interface description	Get the Configuration Information for Line Crossing People Count Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule

Names	Description
Interface request method	GET
How to submit data	application/json

6.9.13.1.2 URL Description

None

6.9.13.1.3 Request Parameters

None

6.9.13.1.4 Example for Request Parameters

None

6.9.13.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Whether to enable 0: Disable 1: enabled
++ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
++VideoOverlay	object	body	false	Video overlay intelligent Information This parameter is mandatory when video overlay is supported Some devices do not support it
+++MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: Identifies the target
+++DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported

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Parameter names	Parameter type	Parameter location	Required	Description
				0: Not displayed 1: Display
++LineNum	integer	body	true	Number of trip wires The value range is determined by the MaxLineNum capability
++LineRuleInfoList	object[]	body	false	Trip wire rule list
+++ID	integer	body	true	Trip wire ID number
+++Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+++InDirection	integer	body	true	Entering directions 1: B -> A, bearing B to bearing A 2: A -> B, bearing A to bearing B
+++StartPoint	object	body	true	Line detection area starting point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++EndPoint	object	body	true	Line detection area termination point coordinates
++++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+++DeduplicationArea	object	body	true	De-heavy zone rule
++++Num	integer	body	false	Draw the number of points in the middle of the regular area Range of values: [3, 12]
++++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+++StatisticType	integer	body	true	Statistical type 0: Total population statistics 1: Enter the number of persons counted 2: Exit count

6.9.13.1.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule",
```

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```
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": {
            "Enabled": 0,
            "ReportInterval": 60,
            "VideoOverlay": {
                "MarkObject": 1,
                "DisplayRule": 1
            },
            "LineNum": 1,
            "LineRuleInfoList": [
                {
                    "ID": 0,
                    "Enabled": 0,
                    "InDirection": 1,
                    "StartPoint": {
                        "X": 5000,
                        "Y": 5000
                    },
                    "EndPoint": {
                        "X": 5000,
                        "Y": 5000
                    },
                    "DeduplicationArea": {
                        "Num": 4,
                        "PointList": [
                            {
                                "X": 5000,
                                "Y": 5000
                            }
                        ]
                    },
                    "StatisticType": 1
                }
            ]
        }
    }
}
```


6.9.13.2 Set the Configuration Information for Line Crossing People Count Rule

6.9.13.2.1 Overview

Names	Description
Interface description	Set the Configuration Information for Line Crossing People Count Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule
Interface request method	PUT
How to submit data	application/json

6.9.13.2.2 URL Description

None

6.9.13.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable or not 0: Disable 1: enabled
ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
VideoOverlay	object	body	false	Video overlay intelligent Information This parameter is mandatory when video overlay is supported Some devices do not support it
+MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: Identifies the target
+DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported 0: Not displayed 1: Display
LineNum	integer	body	true	Number of trip wires The value range is determined by the MaxLineNum capability
LineRuleInfoList	object[]	body	false	Trip wire rule list
+ID	integer	body	true	Trip wire ID number
+Enabled	integer	body	true	Check rule enabled 0: disables 1: Enables the function
+InDirection	integer	body	true	Entering directions 1: B -> A, bearing B to bearing A 2: A -> B, bearing A to bearing B
+StartPoint	object	body	true	Line detection area starting point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+EndPoint	object	body	true	Line detection area termination point coordinates
++X	integer	body	true	X-axis coordinates Value range: [0, 10000]
++Y	integer	body	true	Y-axis coordinates Value range: [0, 10000]
+DeduplicationArea	object	body	true	De-heavy zone rule
++Num	integer	body	false	Draw the number of points in the middle of the regular area

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Parameter names	Parameter type	Parameter location	Required	Description
				Range of values: [3, 12]
++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]
+StatisticType	integer	body	true	Types of statistics 0: Total population statistics 1: Enter the number of persons counted 2: Exit count

6.9.13.2.4 Example for Request Parameters

```
{
   "Enabled": 0,
   "ReportInterval": 60,
   "VideoOverlay": {
      "MarkObject": 1,
      "DisplayRule": 1
   },
   "LineNum": 1,
   "LineRuleInfoList": [
      {
         "ID": 0,
         "Enabled": 0,
         "InDirection": 1,
         "StartPoint": {
            "X": 5000,
            "Y": 5000
         },
         "EndPoint": {
            "X": 5000,
            "Y": 5000
         },
         "DeduplicationArea": {
            "Num": 4,
            "PointList": [
               {
                  "X": 5000,
                  "Y": 5000
               }
            ]
         },
         "StatisticType": 1
      }
   ]
}
```

6.9.13.2.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.13.3 Execute an Immediate Reset of the Line Crossing People Counting

6.9.13.3.1 Overview

Names	Description
Interface description	Execute an immediate reset of the line-crossing people counting
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset
Interface request method	PUT
How to submit data	application/json

6.9.13.3.2 URL Description

None

6.9.13.3.3 Request Parameters

None

6.9.13.3.4 Example for Request Parameters

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None

6.9.13.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/Reset",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.13.4 Get the Line Crossing People Count Reset Configuration

6.9.13.4.1 Overview

Names	Description
Interface description	Get the Line Crossing People Count Reset Configuration
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Interface request method	GET
How to submit data	application/json

6.9.13.4.2 URL Description

None

6.9.13.4.3 Request Parameters

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None

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6.9.13.4.4 Example for Request Parameters

None

6.9.13.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++TimingResetEnabled	integer	body	true	Enable timer clear for counting 0: indicates that it is disabled 1: enabled
++ResetTime	string	body	false	Timer Clear time, for a time of day, required when counting timer clear is enabled (example 00:00:00) Value range: [0, 12]

6.9.13.4.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "TimingResetEnabled": 0,
      "ResetTime": "00:00:00"
    }
  }
}
```

6.9.13.5 Set the Line Crossing People Count Reset Configuration

6.9.13.5.1 Overview

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Names	Description
Interface description	Set the Line Crossing People Count Reset Configuration

Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo
Interface request method	PUT
How to submit data	application/json

6.9.13.5.2 URL Description

None

6.9.13.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
TimingResetEnabled	integer	body	true	Enable timer clear for counting 0: indicates that it is disabled 1: enabled
ResetTime	string	body	false	Timer Clear time, for a time of day, required when counting timer clear is enabled (example 00:00:00) Value range: [0, 12]

6.9.13.5.4 Example for Request Parameters

```
{
   "TimingResetEnabled": 0,
   "ResetTime": "00:00:00"
}
```

6.9.13.5.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/ResetConfigInfo",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.13.6 Get the Monitor Plan for Line Crossing People Count

6.9.13.6.1 Overview

Names	Description
Interface description	Get the Monitor Plan for Line Crossing People Count
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.13.6.2 URL Description

None

6.9.13.6.3 Request Parameters

None

6.9.13.6.4 Example for Request Parameters

None

6.9.13.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(7 days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.13.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
    ]
  }
}
}
```


6.9.13.7 Set the Monitor Plan for Line Crossing People Count

6.9.13.7.1 Overview

Names	Description
Interface description	Set the Monitor Plan for Line Crossing People Count
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.13.7.2 URL Description

None

6.9.13.7.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week

Parameter names	Parameter type	Parameter location	Required	Description
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.9.13.7.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

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6.9.13.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.7.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Lines/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.13.8 Get the Configuration Information for the Area People Count Rule

6.9.13.8.1 Overview

Names	Description
Interface description	Get the Configuration Information for the Area People Count Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule
Interface request method	GET
How to submit data	application/json

6.9.13.8.2 URL Description

None

6.9.13.8.3 Request Parameters

None

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6.9.13.8.4 Example for Request Parameters

None

6.9.13.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	true	Enable 0: disables 1: enabled
++ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
++VideoOverlay	object	body	false	Video overlay intelligent Information Some device models do not support this field
+++MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: Identifies the target
+++DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported 0: Not displayed 1: Display
++AreaNum	integer	body	true	Number of detected areas
++AreaRuleInfoList	object[]	body	false	Detect the list of zone rules When AreaNum is 0, the list is empty
+++ID	integer	body	true	Detect zone ID number
+++Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+++AreaLocation	object	body	true	De-heavy zone rule
++++Num	integer	body	false	Draws the number of points in the regular area Range of values: [3, 12]

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Parameter names	Parameter type	Parameter location	Required	Description
++++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000 Value range: [0, 9999]

6.9.13.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 0,
      "ReportInterval": 60,
      "VideoOverlay": {
        "MarkObject": 1,
        "DisplayRule": 1
      },
      "AreaNum": 1,
      "AreaRuleInfoList": [
        {
          "ID": 0,
          "Enabled": 0,
          "AreaLocation": {
            "Num": 4,
            "PointList": [
              {
                "X": 5000,
                "Y": 5000
              }
            ]
          }
        }
      ]
    }
  }
}
```

6.9.13.9 Set the Configuration Information for the Area People Count Rule

6.9.13.9.1 Overview

Names	Description
Interface description	Set the Configuration Information for the Area People Count Rule
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule

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Names	Description
Interface request method	PUT
How to submit data	application/json

6.9.13.9.2 URL Description

None

6.9.13.9.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Enable 0: disables 1: enabled
ReportInterval	integer	body	true	Report interval unit: (seconds) Value range: [1, 60]
VideoOverlay	object	body	false	Video overlay intelligent Information Some device models do not support this field
+MarkObject	integer	body	false	Whether to identify the detection target This parameter is mandatory when target identification is supported 0: does not identify the target 1: Identifies the target
+DisplayRule	integer	body	false	Whether to display the rule tag This parameter is mandatory when object identification is supported 0: Not displayed 1: Display
AreaNum	integer	body	true	Number of detected areas
AreaRuleInfoList	object[]	body	false	Detect the list of zone rules When AreaNum is 0, the list is empty
+ID	integer	body	true	Detect zone ID number
+Enabled	integer	body	true	Check rule enabled 0: disables 1: enabled
+AreaLocation	object	body	true	De-heavy zone rule
++Num	integer	body	false	Draw the number of points in the middle of the regular area Range of values: [3, 12]
++PointList	object[]	body	true	Draw the coordinates of each vertex in the regular area, with the origin of the coordinates in the upper left corner
+++X	integer	body	true	X-axis coordinates, in 10,000 to 10,000 Value range: [0, 9999]
+++Y	integer	body	true	Y-axis coordinates in units of 10,000 to 10,000

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Parameter names	Parameter type	Parameter location	Required	Description
				Value range: [0, 9999]

6.9.13.9.4 Example for Request Parameters

```
{
  "Enabled": 0,
  "ReportInterval": 60,
  "VideoOverlay": {
    "MarkObject": 1,
    "DisplayRule": 1
  },
  "AreaNum": 1,
  "AreaRuleInfoList": [
    {
      "ID": 0,
      "Enabled": 0,
      "AreaLocation": {
        "Num": 4,
        "PointList": [
          {
            "X": 5000,
            "Y": 5000
          }
        ]
      }
    }
  ]
}
```

6.9.13.9.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/Rule",
    "ResponseCode": 0,
```

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```
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.13.10 Get the Monitor Plan for Area People Count

6.9.13.10.1 Overview

Names	Description
Interface description	Get the Monitor Plan for Area People Count
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan
Interface request method	GET
How to submit data	application/json

6.9.13.10.2 URL Description

None

6.9.13.10.3 Request Parameters

None

6.9.13.10.4 Example for Request Parameters

None

6.9.13.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default

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Parameter Name	Parameter type	Parameter location	Required	Description
				Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time The format is hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

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6.9.13.10.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
```

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```
        "Num": 1,
        "Days": [
          {
            "ID": 1,
            "Num": 1,
            "TimeSectionInfos": [
              {
                "Begin": "00:00:00",
                "End": "23:59:59",
                "ArmingType": 0
              }
            ]
          }
        ]
      }
    }
}
```

6.9.13.11 Set the Monitor Plan for Area People Count

6.9.13.11.1 Overview

Names	Description
Interface description	Set the Monitor Plan for Area People Count
Interface version	V1.0
Interface address	/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.9.13.11.2 URL Description

None

6.9.13.11.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: disables 1: enabled
Num	integer	body	true	Plan days Max. 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday

Parameter names	Parameter type	Parameter location	Required	Description
				2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++ArmingType	integer	body	false	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: motion inspection and alarm 4: motion or police 5: No plan 10: Events

6.9.13.11.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 1,
      "Num": 1,
      "TimeSectionInfos": [
        {
          "Begin": "00:00:00",
          "End": "23:59:59",
          "ArmingType": 0
        }
      ]
    }
  ]
}
```

6.9.13.11.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.13.11.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Channels/<ID>/Smart/PeopleCounting/Areas/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.14 Person Density Alarm

6.9.14.1 Get the Person Density Alarm Statistics Group List Information

6.9.14.1.1 Overview

Names	Description
Interface description	Get the Person Density Alarm Statistics Group List Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups
Interface request method	GET
How to submit data	application/json

6.9.14.1.2 URL Description

None

6.9.14.1.3 Request Parameters

None

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6.9.14.1.4 Example for Request Parameters

None

6.9.14.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Person Density Number of alarm rule groups
++GroupList	object[]	body	false	List of People density alarm rule groups
+++GroupID	integer	body	true	Statistical Group
+++GroupName	string	body	false	Statistics group name String length range: [0, 63]
+++StatisticalType	integer	body	false	Types of statistics 1: Person density statistics 2: statistics of the number of people staying
+++ChannelRuleNum	integer	body	true	Number of channel rules
+++ChannelRuleList	object[]	body	false	Channel list
++++ChannelID	integer	body	true	Channel ID
++++RuleNum	integer	body	false	Number of rules, not carried indicates all rules
++++RuleList	integer[]	body	false	Rule list
+++CrowdDensityRuleInfo	object	body	true	Holdup rule
++++MinorAlarmRuleInfo	object	body	true	Mild Alarm Rules
+++++Enabled	integer	body	true	Enable 0: disables 1: enabled
+++++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
++++MajorAlarmRuleInfo	object	body	true	For the moderate alarm rule, the value of the threshold must be greater than the minor alarm threshold

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Parameter names	Parameter type	Parameter location	Required	Description
+++++Enabled	integer	body	true	Enable 0: disables 1: enabled
+++++AlarmThermal	integer	body	true	Alarm threshold
++++CriticalAlarmRuleInfo	object	body	true	The value of the threshold must be greater than the threshold of the moderate alarm
+++++Enabled	integer	body	true	Enable 0: disables 1: enabled
+++++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
+++ReportInterval	integer	body	false	Reporting interval unit: (seconds)

6.9.14.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "GroupList": [
        {
          "GroupID": 5,
          "GroupName": "CrowdDensityCnt",
          "StatisticalType": 1,
          "ChannelRuleNum": 1,
          "ChannelRuleList": [
            {
              "ChannelID": 1,
              "RuleNum": 4,
              "RuleList": [
                0
              ]
            }
          ],
          "CrowdDensityRuleInfo": {
            "MinorAlarmRuleInfo": {
              "Enabled": 1,
              "AlarmThermal": 20
            },
            "MajorAlarmRuleInfo": {
              "Enabled": 1,
              "AlarmThermal": 20
            },
            "CriticalAlarmRuleInfo": {
              "Enabled": 1,
              "AlarmThermal": 20
            }
          },
          "ReportInterval": 60
```


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```
        }
      ]
    }
  }
}
```

6.9.14.2 Get the Person Density Alarm Statistics Group Information

6.9.14.2.1 Overview

Names	Description
Interface description	Get the Person Density Alarm Statistics Group Information
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>
Interface request method	GET
How to submit data	application/json

6.9.14.2.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.2.3 Request Parameters

None

6.9.14.2.4 Example for Request Parameters

None

6.9.14.2.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results

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Parameter names	Parameter type	Parameter location	Required	Description
++GroupID	integer	body	true	Statistical Group
++GroupName	string	body	false	Statistics group name String length range: [0, 63]
++StatisticalType	integer	body	false	Types of statistics 1: Person density statistics 2: statistics of the number of people staying
++ChannelRuleNum	integer	body	true	Number of channel rules
++ChannelRuleList	object[]	body	false	Channel list
+++ChannelID	integer	body	true	Channel ID
+++RuleNum	integer	body	false	Number of rules, not carried indicates all rules
+++RuleList	integer[]	body	false	Rule list
++CrowdDensityRuleInfo	object	body	true	Holdup rule
+++MinorAlarmRuleInfo	object	body	true	Mild Alarm Rules
++++Enabled	integer	body	true	Enable 0: disables 1: enabled
++++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
+++MajorAlarmRuleInfo	object	body	true	For the moderate alarm rule, the value of the threshold must be greater than the minor alarm threshold
++++Enabled	integer	body	true	Enable 0: disables 1: enabled
++++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
+++CriticalAlarmRuleInfo	object	body	true	The value of the threshold must be greater than the threshold of the moderate alarm
++++Enabled	integer	body	true	Enable 0: disables 1: enabled
++++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
++ReportInterval	integer	body	false	Reporting interval unit: (seconds)

6.9.14.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>",
    "ResponseCode": 0,
    "SubResponseCode": 0,
```

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```
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "GroupID": 5,
      "GroupName": "CrowdDensityCnt",
      "StatisticalType": 1,
      "ChannelRuleNum": 1,
      "ChannelRuleList": [
        {
          "ChannelID": 1,
          "RuleNum": 4,
          "RuleList": [
            0
          ]
        }
      ],
      "CrowdDensityRuleInfo": {
        "MinorAlarmRuleInfo": {
          "Enabled": 1,
          "AlarmThermal": 20
        },
        "MajorAlarmRuleInfo": {
          "Enabled": 1,
          "AlarmThermal": 20
        },
        "CriticalAlarmRuleInfo": {
          "Enabled": 1,
          "AlarmThermal": 20
        }
      },
      "ReportInterval": 60
    }
  }
}
```


6.9.14.3 Modifying the Configuration of the Person Density Alarm Statistics Group

6.9.14.3.1 Overview

Names	Description
Interface description	Modifying the Configuration of the Person Density Alarm Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>
Interface request method	PUT
How to submit data	application/json

6.9.14.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
GroupID	integer	body	true	Statistical Group
GroupName	string	body	false	Statistics group name String length range: [0, 63]
StatisticalType	integer	body	false	Types of statistics 1: Person density statistics 2: statistics of the number of people staying
ChannelRuleNum	integer	body	true	Number of channel rules
ChannelRuleList	object[]	body	false	Channel list
+ChannelID	integer	body	true	Channel ID
+RuleNum	integer	body	false	Number of rules, not carried indicates all rules
+RuleList	integer[]	body	false	Rule list
CrowdDensityRuleInfo	object	body	true	Holdup rule
+MinorAlarmRuleInfo	object	body	true	Mild Alarm Rules
++Enabled	integer	body	true	Enable 0: disables 1: Enables the function
++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
+MajorAlarmRuleInfo	object	body	true	For the moderate alarm rule, the value of the threshold must be greater than the minor alarm threshold
++Enabled	integer	body	true	Enable 0: disables 1: enabled
++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
+CriticalAlarmRuleInfo	object	body	true	The value of the threshold must be greater than the threshold of the moderate alarm
++Enabled	integer	body	true	enable 0: disables 1: enabled
++AlarmThermal	integer	body	true	Threshold for the number of people calling the police
ReportInterval	integer	body	false	Reporting interval unit: (seconds)

6.9.14.3.4 Example for Request Parameters

```
{
    "GroupID": 5,
    "GroupName": "CrowdDensityCnt",
    "StatisticalType": 1,
```

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```
    "ChannelRuleNum": 1,
    "ChannelRuleList": [
        {
            "ChannelID": 1,
            "RuleNum": 4,
            "RuleList": [
                0
            ]
        }
    ],
    "CrowdDensityRuleInfo": {
        "MinorAlarmRuleInfo": {
            "Enabled": 1,
            "AlarmThermal": 20
        },
        "MajorAlarmRuleInfo": {
            "Enabled": 1,
            "AlarmThermal": 20
        },
        "CriticalAlarmRuleInfo": {
            "Enabled": 1,
            "AlarmThermal": 20
        }
    },
    "ReportInterval": 60
}
```

6.9.14.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.14.3.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>".
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.9.14.4 Get the Linkage Configuration for Mild Alarm of the Person Density Statistics Group

6.9.14.4.1 Overview

Names	Description
Interface description	Get the Linkage Configuration for Mild Alarm of the Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityMinorAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.14.4.2 URL Description

None

6.9.14.4.3 Request Parameters

None

6.9.14.4.4 Example for Request Parameters

None

6.9.14.4.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Count the number of groups
++GroupList	object[]	body	false	Person density alarm configuration group linkage action Information table
+++GroupID	integer	body	true	Statistics group ID
+++LinkageActions	object	body	true	Specific linkage action
++++Num	integer	body	true	Linkage quantity

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Parameter names	Parameter type	Parameter location	Required	Description
				A maximum of 32, and a maximum of 13 for some devices
++++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityMinorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "GroupList": [
        {
          "GroupID": 1,
          "LinkageActions": {
            "Num": 1,
            "Actions": [
```


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```
                {
                  "Enabled": 1,
                  "ActID": 28,
                  "ActParam": {}
                }
              ]
            }
          }
        ]
      }
    }
}
```

6.9.14.5 Get the Linkage Configuration of Mild Alarm for the Specified Person Density Statistics Group

6.9.14.5.1 Overview

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Names	Description
Interface description	Get the Linkage Configuration of Mild Alarm for the Specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMinorAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.14.5.2 URL Description

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Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.5.3 Request Parameters

None

6.9.14.5.4 Example for Request Parameters

None

6.9.14.5.5 Return Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success

Parameter names	Parameter type	Parameter position	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0,] Default value: 8
++Actions	object[]	body	false	Linkage action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMinorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
```

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```
        "StatusCode": 0,
        "Data": {
            "Num": 1,
            "Actions": [
                {
                    "Enabled": 1,
                    "ActID": 28,
                    "ActParam": {}
                }
            ]
        }
    }
}
```

6.9.14.6 Set the Linkage Configuration of Mild Alarm for the Specified Person Density Statistics Group

6.9.14.6.1 Overview

Names	Description
Interface description	Set the Linkage Configuration of Mild Alarm for the Specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMinorAlarm/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.14.6.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.6.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity The maximum number of devices is 32. The maximum number of some devices is 13
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters

Parameter names	Parameter type	Parameter location	Required	Description
				Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.6.4 Example for Request Parameters

```
{
   "Num": 1,
   "Actions": [
      {
         "Enabled": 1,
         "ActID": 28,
         "ActParam": {}
      }
   ]
}
```

6.9.14.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code

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Parameter names	Parameter type	Parameter location	Required	Description
+Data	object	body	true	Null

6.9.14.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMinorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.14.7 Get the Linkage Configuration of Moderate Alarm in the Person Density Statistics Group

6.9.14.7.1 Overview

name	Description
Interface description	Get the Linkage Configuration of Moderate Alarm in the Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityMajorAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.14.7.2 URL Description

None

6.9.14.7.3 Request Parameters

None

6.9.14.7.4 Example for Request Parameters

None

6.9.14.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL of the HTTP request packet

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Parameter names	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Count the number of groups
++GroupList	object[]	body	false	Person density alarm configuration group linkage action Information table
+++GroupID	integer	body	true	Statistics group ID
+++LinkageActions	object	body	true	Specific linkage action
++++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: not supported 1: Supported
+++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: uploads linkage snapshots to the FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

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6.9.14.7.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityMajorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "GroupList": [
        {
          "GroupID": 1,
          "LinkageActions": {
            "Num": 1,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 28,
                "ActParam": {}
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.9.14.8 Get the Linkage Configuration of the Moderate Alarm for the specified Person Density Statistics Group

6.9.14.8.1 Overview

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Names	Description
Interface description	Get the Linkage Configuration of the Moderate Alarm for the specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMajorAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.14.8.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

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6.9.14.8.3 Request Parameters

None

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6.9.14.8.4 Example for Request Parameters

None

6.9.14.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Value range: [0,] Default value: 8
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: Linkage sound alarm deployment 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters

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Parameter names	Parameter type	Parameter location	Required	Description
				The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMajorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```

6.9.14.9 Set the Linkage Configuration of Moderate Alarm for the Specified Person Density Statistics Group

6.9.14.9.1 Overview

Names	Description
Interface description	Set the Linkage Configuration of Moderate Alarm for the Specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMajorAlarm/LinkageActions
Interface request method	PUT
How to submit data	application/json

6.9.14.9.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.9.3 Request Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: The linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.9.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 28,
      "ActParam": {}
    }
  ]
}
```

6.9.14.9.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.14.9.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityMajorAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.9.14.10 Get the Linkage Configuration of Heavy Alarm for the Person Density Statistics Group

6.9.14.10.1 Overview

Names	Description
Interface description	Get the Linkage Configuration of Heavy Alarm for the Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityCriticalAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

6.9.14.10.2 URL Description

None

6.9.14.10.3 Request Parameters

None

6.9.14.10.4 Example for Request Parameters

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None

6.9.14.10.5 Return Parameters

Parameter Name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Count the number of groups
++GroupList	object[]	body	false	Person density alarm configuration group linkage action Information table
+++GroupID	integer	body	true	Statistics group ID
+++LinkageActions	object	body	true	Specific linkage action
++++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++++ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: Linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage

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Parameter Name	Parameter type	Parameter location	Required	Description
				22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Interworking with FTP video storage
+++++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.10.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/CrowdDensityCriticalAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "GroupList": [
        {
          "GroupID": 1,
          "LinkageActions": {
            "Num": 1,
            "Actions": [
              {
                "Enabled": 1,
                "ActID": 28,
                "ActParam": {}
              }
            ]
          }
        }
      ]
    }
  }
}
```


6.9.14.11 Get the Linkage Configuration of the Heavy Alarm for the specified Person Density Statistics Group

6.9.14.11.1 Overview

Names	Description
Interface description	Get the Linkage Configuration of the Heavy Alarm for the specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityCriticalAlarm/LinkageActions
Interface request method	GET
How to submit data	application/json

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6.9.14.11.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.11.3 Request Parameters

None

6.9.14.11.4 Example for Request Parameters

None

6.9.14.11.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
++Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+++Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+++ActID	integer	body	true	Linkage item IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: linkage enables local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time

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Parameter names	Parameter type	Parameter location	Required	Description
				14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: linkage alarm is reported 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+++ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.11.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityCriticalAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 1,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 28,
          "ActParam": {}
        }
      ]
    }
  }
}
```


6.9.14.12 Set the Linkage Configuration of the Heavy Alarm for the Specified Person Density Statistics Group

6.9.14.12.1 Overview

Names	Description
Interface description	Set the Linkage Configuration of the Heavy Alarm for the Specified Person Density Statistics Group
Interface version	V1.0
Interface address	/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityCriticalAlarm/LinkageActions
Interface request method	PUT
How to submit data	application/json

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6.9.14.12.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ID	unsigned long	true	1	Person density Alarm rule group ID.

6.9.14.12.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity A maximum of 32, and a maximum of 13 for some devices
Actions	object[]	body	false	Linkage Action Information table This field is required when Num is greater than 0
+Enabled	integer	body	false	The linkage item was enabled ActID must be carried when it is greater than or equal to 28 0: Not supported 1: Supported
+ActID	integer	body	true	Linkage items IDActID is associated with ActParam and configured in ActParam with linkage parameters Enumeration For details, see 7.2.1 Alarm Linkage Parameter Table 3: Linkage storage 4: linkage head preset 5: linkage switch quantity output 6: linkage capture 8: Linkage center storage 9: Linkage starts the local storage 10: Linkage stops the local storage 11: Linkage snapshot uploads to FTP 12: Upload the email through linkage capture 13: uploads E-mail and FTP at the same time 14: Intelligent linkage capture upload 15: Linkage face picture capture upload 16: Linkage alarm report 19: indicates master/slave linkage 20: Collection of linkage attributes 21: linkage image cloud storage 22: linkage automatic tracking 28: linkage sound alarm defense 29: linkage light alarm defense 30: Linkage FTP video storage
+ActParam	object	body	false	Linkage item parameters The linkage parameters of different linkage items have different configurations. For details, see 7.2.1 Alarm Linkage Action Parameters

6.9.14.12.4 Example for Request Parameters

```
{
  "Num": 1,
  "Actions": [
    {
```

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```
        "Enabled": 1,
        "ActID": 28,
        "ActParam": {}
      }
    ]
}
```

6.9.14.12.5 Returning Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.9.14.12.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/Smart/CrowdDensity/Groups/<ID>/CrowdDensityCriticalAlarm LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.10 Serial Port I/O

6.10.1 Input Switch

6.10.1.1 Get a Detailed List for Multiple Alarm Input Channels

6.10.1.1.1 Overview

Names	Description
Interface description	Get a Detailed List for Multiple Alarm Input Channels
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/BasicInfos

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Names	Description
Interface request method	GET
How to submit data	application/json

6.10.1.1.2 URL Description

None

6.10.1.1.3 Request Parameters

None

6.10.1.1.4 Example for Request Parameters

None

6.10.1.1.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Alarm enter the number of channels
++BasicInfos	object[]	body	true	Alarm input channel details list, this node is optional when Num is 0
+++ID	integer	body	true	Enter the switch quantity channel number
+++Name	string	body	false	Channel name String length range: [1, 64]
+++GBID	string	body	false	National standard resource coding String length range: [0, 48]
+++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
+++Enabled	integer	body	true	Alarm Enable 0: Disables 1: enabled

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6.10.1.1.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "BasicInfos": [
        {
          "ID": 0,
          "Name": "\"IP Camera 01\"",
          "GBID": "string",
          "RunMode": 1,
          "Enabled": 0
        }
      ]
    }
  }
}
```

6.10.1.2 Get Specific Alarm Input Channel Details

6.10.1.2.1 Overview

Name	Description
Interface description	Get Specific Alarm Input Channel Details
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Interface request method	GET
How to submit data	application/json

6.10.1.2.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code.

6.10.1.2.3 Request Parameters

None

6.10.1.2.4 Example for Request Parameters

None

6.10.1.2.5 Return Parameters

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Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Enter the switch quantity channel number
++Name	string	body	false	Channel name String length range: [1, 64]
++GBID	string	body	false	National standard resource coding String length range: [0, 48]
++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
++Enabled	integer	body	true	Alarm Enable 0: Disables 1: Enables the function

6.10.1.2.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Name": "\"IP Camera 01\"",
      "GBID": "string",
      "RunMode": 1,
      "Enabled": 0
    }
  }
}
```

6.10.1.3 Modify Specific Alarm Input Channel Details

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6.10.1.3.1 Overview

Names	Description
Interface description	Modify Specific Alarm Input Channel Details

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Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos
Interface request method	PUT
How to submit data	application/json

6.10.1.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	integer	true	401	Alarm input channel code.

6.10.1.3.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Enter the switch quantity channel number
Name	string	body	false	Channel name String length range: [1, 64]
GBID	string	body	false	National standard resource coding String length range: [0, 48]
RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
Enabled	integer	body	true	Alarm Enable 0: Disables 1: enabled

6.10.1.3.4 Example for Request Parameters

```
{
   "ID": 0,
   "Name": "\"IP Camera 01\"",
   "GBID": "string",
   "RunMode": 1,
   "Enabled": 0
}
```

6.10.1.3.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet

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Parameter name	Parameter type	Parameter location	Required	Description
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	string	body	true	Response results

6.10.1.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": "null"
  }
}
```

6.10.1.4 Query the Linkage Action for the Input Switch

6.10.1.4.1 Overview

Names	Description
Interface description	Query the Linkage Action for the Input Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions
Interface request methods	GET
How to submit data	application/json

6.10.1.4.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code.

6.10.1.4.3 Request Parameters

None

6.10.1.4.4 Example for Request Parameters

None

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6.10.1.4.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Linkage quantity Max. 32
++Actions	object[]	body	false	Linkage Action Information table
+++Enabled	integer	body	false	Linkage item enabled If ActID is greater than or equal to 28, it must be carried (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+++ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+++ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Parameter Table

6.10.1.4.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "Actions": [
        {
          "Enabled": 1,
          "ActID": 0,
          "ActParam": {}
        }
      ]
    }
  }
}
```

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6.10.1.5 Configure the Linkage Action for the Input Switch

6.10.1.5.1 Overview

Names	Description
Interface description	Configure the Linkage Action for the Input Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions
Interface request methods	PUT
How to submit data	application/json

6.10.1.5.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm input channel code.

6.10.1.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Num	integer	body	true	Linkage quantity Max. 32
Actions	object[]	body	false	Linkage Action Information table
+Enabled	integer	body	false	Linkage item enabled ActID must be carried when it is greater than or equal to 28 (For compatibility, less than 28 does not take effect even if carried) Not supported on some devices 0: disabled 1: enabled
+ActID	integer	body	true	Linkage items For details about ActID, see 7.2.1 Alarm Linkage Action Parameters
+ActParam	object	body	true	Linkage item parameters For details about the mapping between ActID and ActParam, see 7.2.1 Alarm Linkage Action Parameters

6.10.1.5.4 Example for Request Parameters

```
{
  "Num": 0,
  "Actions": [
    {
      "Enabled": 1,
      "ActID": 0,
      "ActParam": {}
    }
```

```
  ]
}
```

6.10.1.5.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.1.5.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/LinkageActions",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.10.1.6 Query the Monitor Plan for Input Switch

6.10.1.6.1 Overview

Name	Description
Interface description	Query the Monitor Plan for Input Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan
Interface request method	GET
How to submit data	application/json

6.10.1.6.2 URL Description

None

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6.10.1.6.3 Request Parameters

None

6.10.1.6.4 Example for Request Parameters

None

6.10.1.6.5 Return Parameters

Parameter name	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: Disabled 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss

Parameter name	Parameter type	Parameter position	Required	Description
				String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: Motion and call the police 4: motion or police 5: No plan 10: Events

6.10.1.6.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```

6.10.1.7 Configure a Monitor Plan for Input Switch

6.10.1.7.1 Overview

Name	Description
Interface description	Configure a Monitor Plan for Input Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan

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Name	Description
Interface request method	PUT
How to submit data	application/json

6.10.1.7.2 URL Description

Parameter Name	Parameter type	Required	Sample value	Description
ID	Integer	true	401	Alarm input channel code.

6.10.1.7.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether to enable the monitor plan. This parameter is enabled by default Default value: 1 0: disables 1: enabled
Num	integer	body	true	Plan days IPC Max 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments
+TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time, format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time in the format hh:mm:ss String length range: [0, 11]

6.10.1.7.4 Example for Request Parameters

```
{
  "Num": 1,
  "Days": [{
    "ID": 1,
```

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```
    "Num": 1,
    "TimeSectionInfos": [{
      "Begin": "00:00:00",
      "End": "24:00:00",
      "ArmingType": 0,
      "Enabled": 1
        }]
    }]
}
```

6.10.1.7.5 Return Parameters

Parameter name	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.1.7.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/IO/InputSwitches/<ID>/WeekPlan",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

6.10.2 Output Switch

6.10.2.1 Get a Detailed List of Multiple Alarm Output Channels

6.10.2.1.1 Overview

Names	Description
Interface description	Get a Detailed List of Multiple Alarm Output Channels
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/BasicInfos

Names	Description
Interface request method	GET
How to submit data	application/json

6.10.2.1.2 URL Description

None

6.10.2.1.3 Request Parameters

None

6.10.2.1.4 Example for Request Parameters

None

6.10.2.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response result
++Num	integer	body	true	Number of alarm output channels
++BasicInfos	object[]	body	false	Alarm output channel details list, this object is optional when Num is 0
+++ID	integer	body	true	Output switch quantity channel number
+++Name	string	body	false	Channel name ^RV^RV String length range: [1, 64]
+++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
+++Duration	integer	body	true	Switch quantity output duration
+++RelayMode	integer	body	true	Single-bistable, LAPI supports only monostable 1: monostable; 2: bistable

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6.10.2.1.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "BasicInfos": [
        {
          "ID": 0,
          "Name": "\"IP Camera 01\"",
          "RunMode": 1,
          "Duration": 0,
          "RelayMode": 0
        }
      ]
    }
  }
}
```


6.10.2.2 Query Information for the Alarm Output Channel

6.10.2.2.1 Overview

Names	Description
Interface description	Query Information for the Alarm Output Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Interface request method	GET
How to submit data	application/json

6.10.2.2.2 URL Description

Parameter name	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm output channel coding.

6.10.2.2.3 Request Parameters

None

6.10.2.2.4 Example for Request Parameters

None

6.10.2.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++ID	integer	body	true	Output switch quantity channel number
++Name	string	body	false	Channel name ^RV^RV String length range: [1, 64]
++RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
++Duration	integer	body	true	Switch quantity output duration
++RelayMode	integer	body	true	Single-bistable, LAPI supports only monostable 1: monostable; 2: bistable

6.10.2.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "ID": 0,
      "Name": "\"IP Camera 01\"",
      "RunMode": 1,
      "Duration": 0,
      "RelayMode": 0
    }
  }
}
```

6.10.2.3 Set the Alarm Output Channel Information

6.10.2.3.1 Overview

Names	Description
Interface description	Set the Alarm Output Channel Information

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Names	Description
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos
Interface request method	PUT
How to submit data	application/json

6.10.2.3.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	402	Alarm output channel coding.

6.10.2.3.3 Request Parameters

Parameter name	Parameter type	Parameter location	Required	Description
ID	integer	body	true	Output switch quantity channel number
Name	string	body	false	Channel name ^RV^RV String length range: [1, 64]
RunMode	integer	body	true	Alarm type 1: Normally on 2: Normally closed
Duration	integer	body	true	Switch quantity output duration
RelayMode	integer	body	true	Single-bistable, LAPI supports only monostable 1: monostable; 2: bistable

6.10.2.3.4 Example for Request Parameters

```
{
  "ID": 101,
  "RunMode": 1,
  "Duration": 5000
}
```

6.10.2.3.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

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Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.2.3.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/BasicInfos",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.10.2.4 Query the Monitor Plan for the Output Switch

6.10.2.4.1 Overview

Names	Description
Interface description	Query the Monitor Plan for the Output Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Interface request method	GET
How to submit data	application/json

6.10.2.4.2 URL Description

None

6.10.2.4.3 Request Parameters

None

6.10.2.4.4 Example for Request Parameters

None

6.10.2.4.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Enabled	integer	body	false	Monitor plan switch If this parameter is not specified, it is enabled by default Default value: 1 0: disables 1: enabled
++Num	integer	body	true	Plan days Max. 7(seven days a week)
++Days	object[]	body	true	List of Monitor Plans for each day of the week
+++ID	integer	body	true	Chow Buphan index Default: 1 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
+++Num	integer	body	true	Number of time slots per day The maximum value is 4 segments Value range: [1, 4]
+++TimeSectionInfos	object[]	body	true	Deploy defense configuration Information The time periods of the same day cannot coincide
++++Begin	string	body	true	Start time Format hh:mm:ss String length range: [0, 11]
++++End	string	body	true	End time Format hh:mm:ss String length range: [0, 11]
++++ArmingType	integer	body	true	Type of defense Alarm monitor of all types supports only the scheduled alarm monitor and video/capture plan The default value is timing. Some device models do not support this field 0: Timing 1: start check 2: Police 3: motion inspection and alarm 4: motion or police

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Parameter names	Parameter type	Parameter location	Required	Description
				5: No plan 10: Events

6.10.2.4.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Enabled": 1,
      "Num": 1,
      "Days": [
        {
          "ID": 1,
          "Num": 1,
          "TimeSectionInfos": [
            {
              "Begin": "00:00:00",
              "End": "23:59:59",
              "ArmingType": 0
            }
          ]
        }
      ]
    }
  }
}
```


6.10.2.5 Configure Monitor Plan for Output Switch

6.10.2.5.1 Overview

Names	Description
Interface description	Configure Monitor Plan for Output Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan
Interface request method	PUT
How to submit data	application/json

6.10.2.5.2 URL Description

Parameter names	Parameter type	Required	Sample value	Description
ID	Integer	true	2	Alarm output channel coding.

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6.10.2.5.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Enabled	integer	body	true	Whether to enable the monitor plan. This parameter is enabled by default Default value: 1 0: Disabled 1: enabled
Num	integer	body	true	Plan days IPC Max 7(seven days a week)
Days	object[]	body	true	List of Monitor Plans for each day of the week
+ID	integer	body	true	Index of the Week 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday 7: Sunday 8: Holiday
+Num	integer	body	true	Number of time slots per day The maximum value is 4 segments
+TimeSectionInfos	object[]	body	false	Deploy defense configuration Information The time periods of the same day cannot coincide This field is optional when the number of time ranges is 0
++Begin	string	body	true	Start time, format hh:mm:ss String length range: [0, 11]
++End	string	body	true	End time in the format hh:mm:ss String length range: [0, 11]

6.10.2.5.4 Example for Request Parameters

```
{
  "Enabled": 1,
  "Num": 1,
  "Days": [
    {
      "ID": 0,
      "Num": 0,
      "TimeSectionInfos": [
        {
          "Begin": "string",
          "End": "string"
        }
      ]
    }
  ]
}
```

6.10.2.5.5 Return Parameters

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Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.2.5.6 Example for Returning Parameters

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```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/<ID>/WeekPlan",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.10.2.6 Manually Trigger or Clear the Switch Quantity Alarm

6.10.2.6.1 Overview

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Names	Description
Interface description	Manually Trigger or Clear the Switch Quantity Alarm
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/ManualAlarm
Interface request methods	PUT
How to submit data	application/json

6.10.2.6.2 URL Description

None

6.10.2.6.3 Request Parameters

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Parameter names	Parameter type	Parameter position	Required	Description
Num	integer	body	true	Output switch quantity Alarm status Modify the number of channels

Parameter names	Parameter type	Parameter position	Required	Description
IDs	integer[]	body	false	Output a list of switch quantity numbers
AlarmAction	integer	body	true	Switch quantity Output alarm action 0: Disables the alarm 1: triggers an alarm

6.10.2.6.4 Example for Request Parameters

```
{
   "Num":1,
   "IDs": [
      1001
   ],
   "AlarmAction": 1
}
```

6.10.2.6.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.2.6.6 Example for Returning Parameters

```
{
   "Response": {
      "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches ManualAlarm",
      "ResponseCode": 0,
      "SubResponseCode": 0,
      "ResponseString": "Succeed",
      "StatusCode": 0,
      "Data": null
   }
}
```

6.10.2.7 Query the Logical Alarm Status of the Output Switch

6.10.2.7.1 Overview

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Names	Description
Interface description	Query the Logical Alarm Status of the Output Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/AlarmStatus
Interface request method	GET
How to submit data	application/json

6.10.2.7.2 URL Description

None

6.10.2.7.3 Request Parameters

None

6.10.2.7.4 Example for Request Parameters

None

6.10.2.7.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Analysis of system processing results
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Device alarm output switch measures the number of channels
++AlarmStatusList	object[]	body	false	Output switch quantity alarm status list
+++ID	integer	body	true	Output switch quantity number
+++AlarmStatus	integer	body	true	Output switch alarm status 0: No alarm is generated 1: alarm

6.10.2.7.6 Example for Returning Parameters

```
{
```

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```
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches AlarmStatus",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "AlarmStatusList": [
        {
          "ID": 0,
          "AlarmStatus": 0
        }
      ]
    }
  }
}
```

6.10.2.8 Get the Physical Link Status of the Output Switch

6.10.2.8.1 Overview

Names	Description
Interface description	Get the Physical Link Status of the Output Switch
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/OutputSwitches/Status
Interface request methods	GET
How to submit data	application/json

6.10.2.8.2 URL Description

None

6.10.2.8.3 Request Parameters

None

6.10.2.8.4 Example for Request Parameters

None

6.10.2.8.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success

Parameter names	Parameter type	Parameter location	Required	Description
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Switch quantity output number
++Statuses	object[]	body	true	Switch quantity output list
+++ID	integer	body	true	Switch quantity output channel number
+++Status	integer	body	true	Output switch status 0: Off (closed) 1: Open (open circuit)

6.10.2.8.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/OutputSwitches/Status",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "Statuses": [
        {
          "ID": 0,
          "Status": 0
        }
      ]
    }
  }
}
```

6.10.3 Serial Port

6.10.3.1 Query the Configuration of the Serial Port

6.10.3.1.1 Overview

Names	Description
Interface description	Query the Configuration of the Serial Port
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/SerialPort
Interface request method	GET

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Names	Description
How to submit data	application/json

6.10.3.1.2 URL Description

None

6.10.3.1.3 Request Parameters

None

6.10.3.1.4 Example for Request Parameters

None

6.10.3.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Serial port number
++SerialPortList	object[]	body	true	List of configurations for each serial port
+++ChannelID	integer	body	true	Serial channel number
+++Type	integer	body	true	Serial port type: 0: unchanged; 1: rs232; 2: rs422; 3: rs485; 4: UART
+++Mode	integer	body	true	Serial operating mode 1: PTZ control; 2: transparent channel; 3: console; 4: universal serial port; 12: OSD superposition; 32: ONVIF transparent channel; 41: fast fish pickup channel; 64: RS485 directly connected temperature and humidity &PM2.5 sensor;

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Parameter names	Parameter type	Parameter location	Required	Description
+++SerialParam	object	body	true	Serial port parameter
++++BaudRate	integer	body	true	Baud rate, unit: bps, 1200-115200, default: 9600
++++DataBit	integer	body	true	Data bits, 6-8 Default 8
++++FlowCtrl	integer	body	true	Flow control, 0- none, 1- soft flow control,2- hard flow control, 0 by default
++++Parity	integer	body	true	Check bit, 0- none Check 1- odd check, 2- even check, default 0
++++StopBit	integer	body	true	Stop bit, 1-'1', 2-'2' Default 1
++++SerialSemaphore	object	body	false	Vibron signal about configuration
+++++DelayTime	integer	body	true	Camera delay time
+++++CameraDirection	string	body	true	Camera orientation E S W N only supported

6.10.3.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/SerialPort",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "SerialPortList": [
        {
          "ChannelID": 0,
          "Type": 0,
          "Mode": 0,
          "SerialParam": {
            "BaudRate": 0,
            "DataBit": 0,
            "FlowCtrl": 0,
            "Parity": 0,
            "StopBit": 0,
            "SerialSemaphore": {
              "DelayTime": 0,
              "CameraDirection": "string"
            }
          }
        }
      ]
    }
  }
}
```


6.10.3.2 Set Serial Port Configuration Information

6.10.3.2.1 Overview

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Names	Description
Interface description	Set Serial Port Configuration Information
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/SerialPort
Interface request method	PUT
How to submit data	application/json

6.10.3.2.2 URL Description

None

6.10.3.2.3 Request Parameters

Parameter names	Parameter type	Parameter location	Required	Description
ChannelID	integer	body	true	Serial channel number
Type	integer	body	true	Serial port type: 0: unchanged; 1: rs232; 2: rs422; 3: rs485; 4: UART
Mode	integer	body	true	Serial operating mode 1: PTZ control; 2: transparent channel; 3: console; 4: universal serial port; 12: OSD superposition; 32: ONVIF transparent channel; 41: fast fish pickup channel; 64: RS485 directly connected temperature and humidity &PM2.5 sensor;
SerialParam	object	body	true	Serial port parameters
+BaudRate	integer	body	true	Baud rate, unit: bps, 1200-115200, default: 9600
+DataBit	integer	body	true	Data bits, 6-8 Default 8
+FlowCtrl	integer	body	true	Flow control, 0- none, 1- soft flow control,2- hard flow control, 0 by default
+Parity	integer	body	true	Check bit, 0- none Check 1- odd check, 2- even check, default 0
+StopBit	integer	body	true	Stop bit, 1-'1', 2-'2' Default 1
+SerialSemaphore	object	body	false	Vibratory signal related configuration
++DelayTime	integer	body	true	Camera delay time
++CameraDirection	string	body	true	Camera orientation E S W N only supported

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6.10.3.2.4 Example for Request Parameters

```
{
  "ChannelID": 0,
  "Type": 0,
  "Mode": 0,
  "SerialParam": {
    "BaudRate": 0,
    "DataBit": 0,
    "FlowCtrl": 0,
    "Parity": 0,
    "StopBit": 0,
    "SerialSemaphore": {
      "DelayTime": 0,
      "CameraDirection": "string"
    }
  }
}
```

6.10.3.2.5 Return Parameters

Parameter names	Parameter type	Parameter position	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processing result. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.3.2.6 Example for Returning Parameters

```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/SerialPort",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": null
  }
}
```

6.10.4 Transparent Channel

6.10.4.1 Query the Configuration for Transparent Channel

6.10.4.1.1 Overview

Names	Description
Interface description	Query the Configuration for Transparent Channel
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/SerialTrans
Interface request method	GET
How to submit data	application/json

6.10.4.1.2 URL Description

None

6.10.4.1.3 Request Parameters

None

6.10.4.1.4 Example for Request Parameters

None

6.10.4.1.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Response results
++Num	integer	body	true	Number of transparent channels
++SerialTransList	object[]	body	true	Each transparent channel configuration list
+++ChannelID	integer	body	true	Clear channel number
+++TransPortCfg	object	body	true	Transparent channel configuration Information
++++Enabled	integer	body	true	Transparent channel enabled
++++SerialID	integer	body	true	Serial port number corresponding to the transparent channel
++++TransMode	integer	body	true	Transfer mode 1: UDP 2: TCP

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Parameter names	Parameter type	Parameter location	Required	Description
				3: SIP Currently only 1: UDP is supported
++++LocalAddress	object	body	true	Local address
+++++AddressType	integer	body	true	IP address type
+++++IPAddress	string	body	true	IP address
+++++Port	integer	body	true	Ports
++++PeerAddress	object	body	true	Remote address
+++++AddressType	integer	body	true	IP address type
+++++IPAddress	string	body	true	IP address
+++++Port	integer	body	true	Ports

6.10.4.1.6 Example for Returning Parameters


```
{
  "Response": {
    "ResponseURL": "/LAPI/V1.0/IO/SerialTrans",
    "ResponseCode": 0,
    "SubResponseCode": 0,
    "ResponseString": "Succeed",
    "StatusCode": 0,
    "Data": {
      "Num": 0,
      "SerialTransList": [
        {
          "ChannelID": 0,
          "TransPortCfg": {
            "Enabled": 0,
            "SerialID": 0,
            "TransMode": 0,
            "LocalAddress": {
              "AddressType": 0,
              "IPAddress": "string",
              "Port": 0
            },
            "PeerAddress": {
              "AddressType": 0,
              "IPAddress": "string",
              "Port": 0
            }
          }
        }
      ]
    }
  }
}
```


6.10.4.2 Set Device Transparent Channel Configuration Information

6.10.4.2.1 Overview

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Names	Description
Interface description	Set The Device Transparent Channel Configuration Information
Interface version	V1.0
Interface address	/LAPI/V1.0/IO/SerialTrans
Interface request method	PUT
How to submit data	application/json

6.10.4.2.2 URL Description

None

6.10.4.2.3 Request Parameters

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Parameter Name	Parameter type	Parameter position	Required	Description
ChannelID	integer	body	true	Clear channel number
TransPortCfg	object	body	true	Transparent channel configuration Information
+Enabled	integer	body	true	Transparent channel enabled
+SerialID	integer	body	true	Serial port number corresponding to the transparent channel
+TransMode	integer	body	true	Transfer mode 1: UDP 2: TCP 3: SIP Currently only 1: UDP is supported
+LocalAddress	object	body	true	Local address
++AddressType	integer	body	true	IP address type
++IPAddress	string	body	true	IP address
++Port	integer	body	true	Ports
+PeerAddress	object	body	true	Remote address
++AddressType	integer	body	true	IP address type
++IPAddress	string	body	true	IP address
++Port	integer	body	true	Ports

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6.10.4.2.4 Example for Request Parameters

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```
{
    "ChannelID": 0,
    "TransPortCfg": {
        "Enabled": 0,
        "SerialID": 0,
```

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```
        "TransMode": 0,
        "LocalAddress": {
            "AddressType": 0,
            "IPAddress": "string",
            "Port": 0
        },
        "PeerAddress": {
            "AddressType": 0,
            "IPAddress": "string",
            "Port": 0
        }
    }
}
```

6.10.4.2.5 Return Parameters

Parameter names	Parameter type	Parameter location	Required	Description
Response	object	body	true	
+ResponseURL	string	body	true	URL carried by the HTTP request packet
+ResponseCode	integer	body	true	System processes results. 0 indicates success
+SubResponseCode	integer	body	true	The system processes the child result. 0 indicates success
+ResponseString	string	body	true	Parsing the results of the system's processing
+StatusCode	integer	body	true	Status code
+Data	object	body	true	Null

6.10.4.2.6 Example for Returning Parameters

```
{
    "Response": {
        "ResponseURL": "/LAPI/V1.0/IO/SerialTrans",
        "ResponseCode": 0,
        "SubResponseCode": 0,
        "ResponseString": "Succeed",
        "StatusCode": 0,
        "Data": null
    }
}
```

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7 Appendix

7.1 Data Dictionary

7.1.1 General Color Table

Codes	Colors
0	black
1	white
2	Grey
3	red
4	blue
5	yellow
6	orange
7	brown
8	green
9	purple
10	Cyan
11	pink
12	Transparent
13	Silvery white
14	Dark colors
15	Light colors
16	Colorless
17	Yellow-green two-tone
18	Gradient Green
99	Other
100	Unknown

7.1.2 Type of Number Plate

Codes	Instructions
0	Large Car License Plate

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Codes	Instructions
1	Small Car License Plate
2	Embassy Car License Plate
3	Consulate Car License Plate
4	Overseas Car License Plate
5	Foreign Car License Plate
6	Ordinary Motorcycle License Plate
7	Light Motorcycle License Plate
8	Embassy Motorcycle License Plate
9	Consulate Motorcycle License Plate
10	Overseas Motorcycle License Plate
11	Foreign Motorcycle License Plate
12	Low-speed Vehicle License Plate
13	Tractor License Plate
14	Trailer License Plate
15	Instructor Car License Plate
16	Instructor Motorcycle License Plate
17	Temporary Entry Car License Plate
18	Temporary Entry Motorcycle License Plate
19	Temporary Driving Car License Plate
20	Police Car License Plate
21	Police Motorcycle License Plate
22	Original Agricultural Machinery License Plate
23	Hong Kong Entry and Exit License Plate
24	Macau Entry and Exit License Plate
25	Armed Police License Plate
26	Military License Plate
28	Non-motorized Vehicle
29	Large New Energy Car License Plate
30	Small New Energy Car License Plate
31	Medium-sized Car
32	Test Car License Plate

Codes	Instructions
33	Test Motorcycle License Plate
98	Other
99	Unknown

7.1.3 Device Type

Type of equipment	Description
IPC	Webcam
NVR	Network video recorder
VMS	Integrated Security all-in-one
HNVR	Hybrid NVR
EC	Encoder
DC	Decoder
PTS	Face access control
DoorBell	Doorbell
AIBox	Smart Analysis Box
LC	Smart lock
AlarmHost	Alarm host
AccessHost	Access control host
EGS	Face access control management platform
GateWay	Gateway
RADAR	Radar
RV	Thundervision
ACS	Wisdom Pass all-in-one
VIC	Video intercom equipment
InDoorStation	Indoor unit
ModularDoorStation	Unit outdoor unit
ResidentialDoorStation	Zone Gate Machine
OutDoorStation	Outdoorunit
ManagerStation	ManagerStation
CenterServer	CenterServer

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Type of equipment	Description
VM	Video management service. This type is used by servers or all-in-one computers that contain video on the platform
NAS	Network add-on memory, small business and home version of network memory

7.1.4 Vehicle Type Table

7.1.4.1 Description

Type of vehicle	Car model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017

The vehicle code is composed of "Vehicle brand - vehicle brand model - Vehicle brand year" and the code "AERFALUOMIOU-GIULIA-2017", VehicleBrand=AERFALUOMIOU vehicle brand model VehicleBrandType=GIULIA vehicle brand year VehicleBrandYear=2017

7.1.4.2 Form of vehicle type

7.1.5 Yellow Nameplate bayonet Vehicle 7.1.6 Blue nameplate electric police car 7.1.7 Blue nameplate Bayonet vehicle

7.1.5 Yellow Card Bayonet Car Model

Type of vehicle	Car model code
Ankai Bus -HFF6104GK39-0000	ANKAIKECHE-HFF6104GK39
Ankai Bus -HFF6105GK63-0000	ANKAIKECHE-HFF6105GK63
Ankaikeche-HFF6120k01D2E4-0000	ANKAIKECHE-HFF6120K01D2E4
Ankaikeche-HFF6120YK40C-0000	ANKAIKECHE-HFF6120YK40C
Ankaikeche-HFF6123K06D-0000	ANKAIKECHE-HFF6123K06D
Ankaikeche-HK6879H1-0000	ANKAIKECHE-HK6879H1
Ankaikeche-PK6831HH-0000	ANYUANKECHE-PK6831HH
Gem - Fortune Star 4102-0000	BAOSHI-FUXING4102
Beiben heavy truck -NG80-0000-ND4187A38J	BEIBENZHONGKA-NG80-0000-ND4187A38J
North Ben heavy truck -NG80-0000-ND4243L25J	BEIBENZHONGKA-NG80-0000-ND4243L25J
Beibenzhongka-NG80-0000-ND5310XXYZ07	BEIBENZHONGKA-NG80-0000-ND5310XXYZ07
Beibenzhongka-V3ET-0000	BEIBENZHONGKA-V3ET-0000
Beibenzhongka-V3M-0000	BEIBENZHONGKA-V3M-0000

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Type of vehicle	Car model code
Beibenzhongka -- BFC6112A1-0000	BEIFANGKECHE-BFC6112A1
Beifangkeche-BFC6121T-0000	BEIFANGKECHE-BFC6121T
Beifangkeche-BFC6128HS-0000	BEIFANGKECHE-BFC6128HS-0000
Beijing -- BJ5815P1-0000	BEIJING-BJ5815P1
Beijing - Qiling -0000	BEIJING-QILING
Beijing -- Qiling -- 0000-BJ1040P1S4	BEIJING-QILING-0000-BJ1040P1S4
Beijing -- Qilong -- 0000-BJ1126PPU91	BEIJING-QILONG-0000-BJ1126PPU91
Beijing -- Qilong 2-0000	BEIJING-QILONG2
Benz -ACTROS-0000-2644LS	BENCHI-ACTROS-0000-2644LS
Benz -ACTROS-0000-3346	BENCHI-ACTROS-0000-3344
Benz -ACTROS-0000-4141	BENCHI-ACTROS-0000-4141
Benz-Axor-0000	BENCHI-AXOR-0000
Benz - Ling -2012	BENCHI-LINGTE-2012
Benz -MB100-1998	BENCHI-MB100-1998
Benz -- Dump Truck -- 0000	BENCHI-ZIXIECHE
BYD-K6-0000	BIYADI-K6-0000
BYD-K7-0000	BIYADI-K7-0000
BYD-K9-2014	BIYADI-K9-2014
Changan - Prodigy School Bus -2013	CHANGAN-SHENTONGXIAOCHE-2013
Changan Bus -- SC6821-0000	CHANGANKECHE-SC6821
Changan Crossing - Weibao -2009	CHANGANKUAYUE-WEIBAO-2009
Changan School bus -0000	CHANGANXIAOCHE-0000
Great Wall - Selling Touring Car -2009	CHANGCHENG-SAILINGFANGCHE-2009
Changhe - Freda -2009~2014	CHANGHE-FURUIDA-2009~2014
Chu Feng -HQG3120GD3-0000	CHUFENG-HQG3120GD3-0000
Chufeng-HqG5258xxyGD4-0000	CHUFENG-HQG5258XXYGD4-0000
Chufeng-tianlong-0000 (imitation)	CHUFENG-TIANLONG-0000(FANG)
Chufeng-zn22y5hr016-0000 (Fang)	CHUFENG-ZN22Y5HR016-0000
Chu Feng School Bus -HQ6900EXC4	CHUFENGXIAOCHE-HQG6900EXC4
Daewoo -GDW6121HKD2-0000	DAYUKECHE-GDW6121HKD2
Dayukeche-GDW6900HKE2-0000	DAYUKECHE-GDW6900HKE2-0000

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Type of vehicle	Car model code
Daewoo -GL6118EV1-0000	DAYUKECHE-GL6118EV1
Daewoo -GL6118HS-0000	DAYUKECHE-GL6118HS
Daewoo -GL6122HKD&E-0000	DAYUKECHE-GL6122HKD&E
Dayukeche-0000-CGC5140CCYHDE41E	DAYUN-AOPULI-0000-CGC5140CCYHDE41E
Dayun-Aopuli-CGC4180-0000	DAYUN-CGC4180
University-CGC4252-0000	DAYUN-CGC4252
Dayun -DYX10DYX12-0000	DAYUN-DYX10DYX12-0000
Dayun-fengchi -0000-CGC4180D5CAAA	DAYUN-FENGCHI-0000-CGC4180D5CAAA
Dayun-Fengchi-0000-CGC0000-0000	DAYUN-JIYUN
Dayun-jiyun -N6-0000-CGC5161CCYD4TAA	DAYUN-N6-0000-CGC5161CCYD4TAA
DayUN-N9-0000-CGC4250D5FCCH	DAYUN-N9-0000-CGC4250D5FCCH
Dayun-Yun-Yun-0000-DyQ1169D4UA	DAYUN-YUNTU-0000-DYQ1169D4UA
Dongfanghong -LT1030BM-0000	DONGFANGHONG-LT1030BM
Dongfanghong -LT3050HBC1-0000	DONGFANGHONG-LT3050HBC1-0000
Dongfanghong -- Chenglong -- LZ3310PEF-0000	DONGFENG-CHENGLONG-0000-LZ3310PEF
Dongfeng -- Chuangpu -- EQ4163WZ4G-0000	DONGFENG-CHUANGPU-0000-EQ4163WZ4G
Dongfeng - Chuangpu-EQ4230WZ4D-0000	DONGFENG-CHUANGPU-0000-EQ4230WZ4D
Dongfeng-CLW5111GSST3-0000	DONGFENG-CLW5111GSST3
Dongfeng-Dalishen-0000	DONGFENG-DALISHEN
Dongfeng -DFE4254VF-0000	DONGFENG-DFE4254VF
Dongfeng - Dorika -0000	DONGFENG-DUOLIKA
Dongfeng - Dorica -2007	DONGFENG-DUOLIKA-2007
Dongfeng - Dorica -20102011 (Dongfeng - Dongfeng Star)	DONGFENG-DUOLIKA-20102011(DONGFENG-DONGFENGZHIXING)
Dongfeng Duolika D9-0000-DFA1160L15D7	DONGFENG-DUOLIKAD9-0000-DFA1160L15D7
Dongfeng - Dolica D9-0000-EQ5142XXYL9BDGAC	DONGFENG-DUOLIKAD9-0000-EQ5142XXYL9BDGAC
Dongfeng - Dorica S-0000	DONGFENG-DUOLIKAS-0000
Dongfeng-EQ3250GB3G-0000	DONGFENG-EQ3250GB3G
Dongfeng -EQ3310VT4-0000	DONGFENG-EQ3310VT4
Dongfeng - Freica -0000	DONGFENG-FURUIKA
Dongfeng - Frica -0000-EQ2043S8GDFAC	DONGFENG-FURUIKA-0000-EQ2043S8GDFAC

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Type of vehicle	Car model code
Dongfeng - Jiayun -0000	DONGFENG-JIAYUN
Dongfeng -- Jinka-0000	DONGFENG-JINKA
Dongfeng-Capt-0000-EQ1160L13DG	DONGFENG-KAIPUTE-0000-EQ1160L13DG
Dongfeng - Lotus School Bus -2011	DONGFENG-LIANHUAXIAOCHE-2011
Dongfeng - Pingshan King -0000	DONGFENG-PINGSHANWANG-0000
Dongfeng -SZD5100GSS-0000	DONGFENG-SZD5100GSS
Dongfeng - Special Shang -0000-EQ3160GFV2	DONGFENG-TESHANG-0000-EQ3160GFV2
Dongfeng - Tianjin -0000	DONGFENG-TIANJIN
Dongfeng - Tianjin-0000-CSC5160GFLD5	DONGFENG-TIANJIN-0000-CSC5160GFLD5
Dongfeng - Tianjin-0000-DFL1100B	DONGFENG-TIANJIN-0000-DFL1100B
Dongfeng-Tianlong-0000-DFH4250CX2	DONGFENG-TIANLONG-0000-DFH4250CX2
Dongfeng - Tianlong-0000-DFH5180XXYB1	DONGFENG-TIANLONG-0000-DFH5180XXYB1
Dongfeng - Tianlong-0000-DFL4240AX2A	DONGFENG-TIANLONG-0000-DFL4240AX2A
Dongfeng - Tianlong-0000-DFL4251AX16A	DONGFENG-TIANLONG-0000-DFL4251AX16A
Dongfeng - Little Bully -2004	DONGFENG-XIAOBAWANG-2004
East Wind - Little Bully -2006	DONGFENG-XIAOBAWANG-2006
Dongfeng - Yufeng -2016	DONGFENG-YUFENG-2016
Dongfeng-Yufeng-0000	DONGFENGFENGXING-LINGZHI-0000
Dongfeng Bus - Chaolong -0000	DONGFENGKECHE-CHAOLONG
Dongfeng Bus -DFA6750H3G-0000	DONGFENGKECHE-DFA6750H3G
Dongfeng Bus-EQ6125LQ-0000	DONGFENGKECHE-EQ6125LQ
Dongfeng Bus -EQ6661PT-0000	DONGFENGKECHE-EQ6661PT
Dongfeng Bus -EQ6730L5N-0000	DONGFENGKECHE-EQ6730L5N
Dongfeng Bus -EQ6730PA1-0000	DONGFENGKECHE-EQ6730PA1
Dongfengkeche-Baron-0000	DONGFENGLIUQI-BALONG
Dongfengliuqi - Balong -0000-LZ5312XXYQEL	DONGFENGLIUQI-BALONG-0000-LZ5312XXYQEL
Dongfengliuqi - Chenglong H5-0000	DONGFENGLIUQI-CHENGLONGH5-0000
Dongfeng Liuqi - ChenglongH7-0001	DONGFENGLIUQI-CHENGLONGH7-0000
Dongfeng Liuqi - Chenglong JinMancang -0000	DONGFENGLIUQI-CHENGLONGJINMANCANG-0000
Dongfeng Liuqi - Chenglong Jinniu -0000	DONGFENGLIUQI-CHENGLONGJINNIU-0000

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Type of vehicle	Car model code
Dongfeng Liuqi - Chenglong Jinniu 2-0000	DONGFENGLIUQI-CHENGLONGJIUNIU2-0000
Dongfeng Liuqi - Chenglong L3-0000	DONGFENGLIUQI-CHENGLONGL3-0000
Dongfeng Liuqi - Chenglong M3-0000-LZ3310PEF	DONGFENGLIUQI-CHENGLONGM3-0000-LZ3310PEF
Dongfeng Liuqi - Chenglong M3-0000-LZ3310PEF-0001	DONGFENGLIUQI-CHENGLONGM3-LZ3310PEF
Dongfeng Liuqi - Chenglong M5-0000 (Baron M5)	DONGFENGLIUQI-CHENGLONGM5-0000(BALONGM5)
Dongfeng Liuqi - ChenglongM7-0000 (BalongM7)	DONGFENGLIUQI-CHENGLONGM7-0000(BALONGM7)
Dongfeng Liuqi - Chenglongm7-0000	DONGFENGLIUQI-CHENGLONGT7-0000
Dongfeng Liuqi - Longka-0000-EQ4220AE	DONGFENGLIUQI-LONGKA-0000-EQ4220AE
Dongfeng Liuqi - Longka Kaishan King -0000	DONGFENGLIUQI-LONGKAKAISHANWANG
Dongfeng Nanchong - LongTeng-0000 (DNC3061G-40)	DONGFENGNANCHONG-LONGTENG-0000(DNC3061G-40)
Dongfengnanchong-DND4253CWB273H-0000	DONGFENGRICHANCHAI-DND4253CWB273H
Dongfeng Nissan Chai-Youdi Shi-0000-DND5243GJBCWB452K	DONGFENGRICHANCHAI-YOUDISHI-0000-DND5243GJBCWB452K
Dongfeng Shenyu - Yuhu -0000-EQ5252XYKLV2	DONGFENGSHENYU-YUHU-0000-EQ5252XYKLV2
Dongfeng Shenyu - Yuhu-0000-EQ5253CCYF1	DONGFENGSHENYU-YUHU-0000-EQ5253CCYF1
Dongfengshenyu - Yulong -0000-EQ5253CCYF1	DONGFENGSHENYU-YULONG-0000-EQ5253CCYF1
Dongfengshen-EQ3250GD5DA-0000	DONGFENGZHUANGDI-EQ3250GD5DA
Dongfengzhuangdi - Delica -2008	DONGNAN-DELIKA-2008
Dongnan-delika -2009	DONGNAN-DELIKA-2009
Galloping Bus -FSQ6105HT-0000	FEICHIKECHE-FSQ6105HT-0000
Toyota - Sea Lion -2011	FENGTIAN-HAISHI-2011
Toyota - Haishi -2001-9SEAT	FENGTIAN-HIACE-2001-9SEAT
Toyota - Sea Lion -2011-10SEAT	FENGTIAN-HIACE-2011-10SEAT
Toyota - Sea Lion -2011-13SEAT	FENGTIAN-HIACE-2011-13SEAT
Toyota - Kowloon Sea Lions -2010	FENGTIAN-JIULONGHAISHI-2010
Toyota Bus - Costa -0000-30 seater	FENGTIANKECHE-KAOSITE-0000-30ZUO
Toyota Bus - Kauster -2012- Import	FENGTIANKECHE-KAOSITE-2012-JINKOU
Toyota Bus - Kaosite-2013	FENGTIANKECHE-KAOSITE-2013
Ford - Classic Smooth -2003	FUTE-JINGDIANQUANSHUN-2003
Ford - Classic Quanshun -2009	FUTE-JINGDIANQUANSHUN-2009
Ford - New Era Quanshun -2009	FUTE-XINSHIDAIQUANSHUN-2009

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Type of vehicle	Car model code
Ford - New Era Quanshun -2013	FUTE-XINSHIDAIQUANSHUN-2013
Futon - Okuzu -0000	FUTIAN-AOLING
Futian - Aoling CTX-0000-BJ5169XXY-FC	FUTIAN-AOLINGCTX-0000-BJ5169XXY-FC
Futian - AolingCTX-0000	FUTIAN-AOLINGTX
Futian - AolingTX CTX-2010	FUTIAN-AOLINGTX-2010
Futian - Scenic Sea Lion -1999	FUTIAN-FENGJINGHAISHI-1999
Futian - Scenery Quick -2012	FUTIAN-FENGJINGKUAIJIE-2012
Futian - Scenery Express -2011	FUTIAN-FENGJINGKUAIYUN-2011
Futian - Monpeck E-2010	FUTIAN-MENGPAIKEE-2010
Futian - Mengpaikee-2014	FUTIAN-MENGPAIKEE-2014
Futian - Omark -0000	FUTIAN-OUMAKE
Futian - O 'Marco S5-0000	FUTIAN-OUMAKES5-0000
Futian - Oumak EST-0000-BJ4253SMFKB-AA	FUTIAN-OUMANEST-0000-BJ4253SMFKB-AA
Futian - Oumanest -0000-BJ4269SNFKB-B2	FUTIAN-OUMANEST-0000-BJ4269SNFKB-B2
Futian - Oumanest ETX-20092013	FUTIAN-OUMANETX-20092013
Futian - OumanETX Series 5 Series -0000	FUTIAN-OUMANETX3XI5XI-0000
Futian - OumanETX3 Series 5 Series -0000 (changed)	FUTIAN-OUMANETX3XI5XI-0000(GAI)
Futian - OumanetX9 Series -2004	FUTIAN-OUMANETX9XI-2004
Futian - Oumanet GTL-0000	FUTIAN-OUMANGTL
Futian - Oumangtl GTL-0000-BJ4259SNFKB-AA	FUTIAN-OUMANGTL-0000-BJ4259SNFKB-AA
Foton-oumangtl-auman GTL6 Series -0000-BJ4259SNFKB-XF	FUTIAN-OUMANGTL6XI-0000-BJ4259SNFKB-XF
Futian - Auman GTL9 series -0000-BJ3319DMPKF-AB	FUTIAN-OUMANGTL9XI-0000-BJ3319DMPKF-AB
Futian-OumangTL-0000-Q5	FUTIAN-RUIWO-0000-Q5
Futian - Rivao Vajra -0000-BJ3315DNPHC-FE	FUTIAN-RUIWOJINGANG-0000-BJ3315DNPHC-FE
Foton Daimler-Auman EST-0000-BJ4253SMFKB-AA	FUTIANDAIMULE-OUMANEST-0000-BJ4253SMFKB-AA
Foton Daimler-Oumanest -0000-BJ4269SNFKB-B2	FUTIANDAIMULE-OUMANEST-0000-BJ4269SNFKB-B2
Futian Bus -BJ6102-0000	FUTIANKECHE-BJ6102
Futian Bus -BJ6113-0000	FUTIANKECHE-BJ6113
Futian Bus -BJ6115U8AJB-0000	FUTIANKECHE-BJ6115U8AJB-0000
Futian Bus -BJ6120U8LJ8-2011	FUTIANKECHE-BJ6120U8LJB-2011

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Type of vehicle	Car model code
Futian Bus -BJ6122U7MKB-0000-1	FUTIANKECHE-BJ6122U7MKB-0000-1
Futian Bus -BJ6126U8MJB-0000	FUTIANKECHE-BJ6126U8MJB-0000
Futian Bus -BJ6830U6-0000-1	FUTIANKECHE-BJ6830U6LFB-0000-1
Futian Bus -BJ3850-0000	FUTIANKECHE-BJ6850
Futian Bus -BJ6900U7ACB-0000	FUTIANKECHE-BJ6900U7ACB
Futian Bus - Ouhui -0000	FUTIANKECHE-OUHUI
Futian Bus - Ouhui -0000-BJ6122	FUTIANKECHE-OUHUI-0000-BJ6122
Futian Bus - OuhuI-0000-BJ6129u8BKB	FUTIANKECHE-OUHUI-0000-BJ6129U8BKB
Futian Times - Furui -0000-2800	FUTIANSHIDAI-FURUI-0000-2800
Futian Times - Jieshun -0000	FUTIANSHIDAI-JIESHUN
Futianshidai-jieshun. Fukuda Times - Kong -2006	FUTIANSHIDAI-JINGANG-2006
Futian Times - Vajra -0000-BJ3123dJPFA-1	FUTIANSHIDAI-JINGANG-0000-BJ3123DJPFA-1
Futianshidai-jingang 628-0000	FUTIANSHIDAI-JINGANG628
Futianshidai - Jingang928-0000	FUTIANSHIDAI-JINGANG928-0000
Futian Era -K1-0000	FUTIANSHIDAI-K1
Futian Times - Conrey H2-0000	FUTIANSHIDAI-KANGRUI-H2-0000
Futianshidai-kangrui H2-0000-2	FUTIANSHIDAI-KANGRUIH2
Futianshidai-riich 2-0000	FUTIANSHIDAI-RUIQI2
Futianshidai-Ruivo-0000-B2	FUTIANSHIDAI-RUIWO-0000-B2
Fukuda Times - Ruiwo-0000-BJ1122vFPHK-G1	FUTIANSHIDAI-RUIWO-0000-BJ1122VFPHK-G1
Fukuda Times - Ruiwo-0000-RC2	FUTIANSHIDAI-RUIWO-0000-RC2
Futian Times - Ruiwo 135-0000	FUTIANSHIDAI-RUIWO135-0000
Futian Times - Ruiwo 6-0000	FUTIANSHIDAI-RUIWO6
Futian Times - Saio-0000	FUTIANSHIDAI-SAIAO-0000
Futianshidai-Saiao-0000	FUTIANSHIDAI-XIANGSHI
Futianshidai-xiangshi - Fukuda Era	FUTIANSHIDAI-XIAOKAZHIXING
Futianshidai - Xiaoka Star 2-2010- Navigator	FUTIANSHIDAI-XIAOKAZHIXING2-2010-LINGHANG
Futian Times -- Yu Ling -- 2009	FUTIANSHIDAI-YULING-2009
Futian Time -- Yu Ling -- 2010	FUTIANSHIDAI-YULING-2010
Futian Times - Yu Ling -2011	FUTIANSHIDAI-YULING-2011

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Type of vehicle	Car model code
Futianshidai - Yuwei -0000	FUTIANSHIDAI-YUWEI-0000
Gac Hino -700-0000-450	GUANGQIRIYE-700-0000-450
Hafei - Panthers 1027-2010	HAFEI-HEIBAO1027-2010
Hafei-black Panther 1030-2010	HAFEI-HEIBAO1030-2010
Hag-H5C-2011	HAIGE-H5C-2011
Haige-H5KLQ6798-0000	HAIGEKECHE-H7KLQ6798
Haigekeche-KLQ6122DAe5&C5-0000	HAIGEKECHE-KLQ6122DAE5&C5
Haigekeche-KLQ6125KA-0000	HAIGEKECHE-KLQ6125KA
Haigekeche-KLQ6129GEV1-0000	HAIGEKECHE-KLQ6129GEV1
Haigekeche-KLQ6129KA-0000	HAIGEKECHE-KLQ6129KA
Haigekeche-KLQ6142DAe51-0000	HAIGEKECHE-KLQ6142DAE51
Haigekeche-KLQ6145B-0000	HAIGEKECHE-KLQ6145B
Haigekeche-KLQ6608-0000	HAIGEKECHE-KLQ6608
Haigekeche-KLQ6702EV-0000	HAIGEKECHE-KLQ6702EV
Haigekeche-KLQ6796-0000	HAIGEKECHE-KLQ6796
Haigekeche-KLQ6798-0000	HAIGEKECHE-KLQ6798
Haigekeche-KLQ6977-0000	HAIGEKECHE-KLQ6977
Haigekeche-HSZ6910GJ-0000	HENGSHANKECHE-HSZ6910GJ
Valin-hanma H6-0000	HUALING-HANMAH6-0000
Hualing - Valin Star -2009	HUALING-HUALINGZHIXING-0000
Hualing - Hualingzhixing -0000	HUALING-HUALINGZHONGKA-0000
Valing-hualingzhongka -0000	HUALING-XINGKAIMA
Hualing - Xingkaima -2006	HUALING-XINGKAIMA-2006
Hualing - Xingkaima -2006	HUALING-XINGMA-2006
Huanghai Truck-DD3163P01-0000	HUANGHAIKACHE-DD3163P01
Huanghaikache -DD6119C51-0000	HUANGHAIKECHE-DD6119C51
Huanghaikeche-DD6610EV12-0000	HUANGHAIKECHE-DD6610EV12
Huanghaikeche-DD6892DD6922DD6930-0000	HUANGHAIKECHE-DD6892DD6922DD6930
Huanghaikeche-DD6907C08C09-0000	HUANGHAIKECHE-DD6907C08C09
Huanghaikec-DD6800C05FX-0000	HUANGHAIXIAOCHE-DD6800C05FX

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Type of vehicle	Car model code
Huaxi Bus -CDL6606CNG-0000	HUAXIKECHE-CDL6606CNG-0000
Huazhong Brand -WH5064-0000	HUAZHONGPAI-WH5064-0000
Zhonghua Brand -WH5070-0000	HUAZHONGPAI-WH5070-0000
Jianghuai - Great Luck -0000-HFC1120K1T	JIANGHUAI-DAHAOYUN-0000-HFC1120K1T
Jianghuai - Dingli-0000-HFC3060KR1z	JIANGHUAI-DINGLI-0000-HFC3060KR1Z
Jianghuai - Dingli-0000-I	JIANGHUAI-DINGLI-0000-I
Jianghuai - Dingli -0000-II	JIANGHUAI-DINGLI-0000-II
Jianghuai - Gerfa A3-0000-HFC4180KR1K3	JIANGHUAI-GEERFAA3-0000-HFC4180KR1K3
Jianghuai - Geerfa A3-0000-HFC4181P2K4A35F	JIANGHUAI-GEERFAA3-0000-HFC4181P2K4A35F
Jianghuai - Geerfa A5-0000-HFC4181P3K3A35S1V	JIANGHUAI-GEERFAA5-0000-HFC4181P3K3A35S1V
Jianghuai - GeerfaaH-2009	JIANGHUAI-GEERFAH-2009
Jianghuai - Geerfah -2010	JIANGHUAI-GEERFAH-2010
Jianghuai - Geerfah -2012	JIANGHUAI-GEERFAH-2012
Jianghuai - Geerfah-2012 -1	JIANGHUAI-GEERFAH-2012-1
Jianghuai - Geerfah -2012-2	JIANGHUAI-GEERFAH-2012-2
Jianghuai - GeerfaH-2012-3 (modified)	JIANGHUAI-GEERFAH-2012-3(GAI)
Jianghuai - Geerfah-K-2011	JIANGHUAI-GEERFAK-2011
Jianghuai - Geerfak K5-0000-HFC4171P3K2A35S1V	JIANGHUAI-GEERFAK5-0000-HFC4171P3K2A35S1V
Jianghuai - Geerfak0000-HFC5251xxYP1K5D54S7V-0000	JIANGHUAI-GEERFAK5W-0000-HFC5251XXYP1K5D54S7V-0000
Jianghuai - GeerfaK5X-0000-HFC1251P2K3D54S2V	JIANGHUAI-GEERFAK5X-0000-HFC1251P2K3D54S2V
Jianghuai - Geerfa K6L-0000-HFC5161CCYP3K2A50S5V	JIANGHUAI-GEERFAK6L-0000-HFC5161CCYP3K2A50S5V
Jianghuai - GeerfaK6L-0000-HFC4252P13K7E33S7V	JIANGHUAI-GEERFAK7-0000-HFC4252P13K7E33S7V
Jianghuai -GXQ5080CLXYMB-0000	JIANGHUAI-GXQ5080CLXYMB
Jianghuai -GXQ5314CLXYMB-0000	JIANGHUAI-GXQ5314CLXYMB
Jianghuai - Haowei -2013	JIANGHUAI-HAOWEI-2013
Jianghuai - Good Luck V-0000	JIANGHUAI-HAOYUNV
Jianghuai - Junling -0000-HFC5043CCYP91K5C2	JIANGHUAI-JUNLING-0000-HFC5043CCYP91K5C2
Jianghuai - Junling -2008	JIANGHUAI-JUNLING-2008
Jianghuai - Junling E7-0000-HFC1056P91K1C6V	JIANGHUAI-JUNLINGE7-0000-HFC1056P91K1C6V
Jianghuai - Junling V6-2016	JIANGHUAI-JUNLINGV6-2016

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Type of vehicle	Car model code
Jianghuai - Junling V9-0000-HFC1181P3K2A53S5V	JIANGHUAI-JUNLINGV9-0000-HFC1181P3K2A53S5V
Jianghuai - Bright Sword -0000-1	JIANGHUAI-LIANGJIANZHE-0000-1
Jianghuai - Liangjianzhe -0000-2	JIANGHUAI-LIANGJIANZHE-0000-2
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -2011	JIANGHUAI-RUIFENG-2011
Jianghuai - Shuailing -0000	JIANGHUAI-SHUAILING
Jianghuai - Shuai Ling -0000-2	JIANGHUAI-SHUAILING-0000-2
Jianghuai - Shuailing-0000-HFC1142P70K1E1	JIANGHUAI-SHUAILING-0000-HFC1142P70K1E1
Jianghuai - Weiling -0000-1	JIANGHUAI-WEILING
Jianghuai - Weiling -0000-2	JIANGHUAI-WEILING-0000
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jianghuai Bus -HFC6108H4-0000	JIANGHUAIKECHE-HFC6108H4-0000
Jianghuai Bus -HK6105G-0000	JIANGHUAIKECHE-HK6105G
Jianghuai Modern Bus -HFC6700JK4-0000	JIANGHUAIXIANDAIKECHE-HFC6700JK4
Jianghuai Modern Bus -HK6120M-0000	JIANGHUAIXIANDAIKECHE-HK6120M-0000
Jianghuai Modern Bus -- HK6608K-0000	JIANGHUAIXIANDAIKECHE-HK6608K
Jiangling - Carrie-0000	JIANGLING-KAIRUI
Jiangling - Kairui 8000-0000	JIANGLING-KAIRUI800-0000
Jiangling -- KairUI-0000-2.8 MTDSP	JIANGLING - QINGKA - 0000-2.8 MTDSP
Jiangling - Shunda -0000	JIANGLING-SHUNDA
Jiangling-shunda -2007 (Jiangling-Shunda)	JIANGLING-SHUNDA-2007(JIANGLING-KAIYUN)
Jiangling Bus - Kaust-0000-JX6606VDF	JIANGLINGKECHE-KAOSITE-0000-JX6606VDF
Jianglingkeche-jiulong Motor -0000-A5	JIANGTE-JIULONGQICHE-0000-A5
Jimsy - Sayway -0000	JIMUXI-SAIWEI
Jimuxi - Business Star -0000	JIMUXI-SHANGWUZHIXING
Gold Cup - Sea Lion -2011	JINBEI-DAHAISHI-2011
Jinbei-dahaishi -2007-2	JINBEI-GERUISI-2007-2
Jinbei - Geruisi -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2010	JINBEI-GERUISI-2010
Jinbei-geruisi -1999	JINBEI-HAISHI-1999

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Type of vehicle	Car model code
Jinbei-haishi -1999-2	JINBEI-HAISHI-1999-2
Jinbei-haishi -2000	JINBEI-HAISHI-2000
Jinbei-haishi -2002	JINBEI-HAISHI-2002
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Jinbei-haishi -- 2014 -- Power King	JINBEI-HAISHI-2014-DONGLIWANG
Jinbei-haishi -- 2014 -- Express King	JINBEI-HAISHI-2014-KUAIYUNWANG
Jinbei-haishi -2018	JINBEI-HAISHI-2018
Jinbei-haishi Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Jinbei - Nuclear Power -2005	JINBEI-HEDONGLI-2005
Jinbei - Lingchi -0000	JINBEI-LINGCHI
Jinbei - Lingqi -2008	JINBEI-LINGQI-2008
Jinbei -- Qiyun -- 2013	JINBEI-QIYUN-2013
Jinbei-Qiyun-2014	JINBEI-XINGERUISI-2014
Jinggong - Yuanyuan-0000-ZJz4251dph4az3	JINGGONG-YUANZHENG-0000-ZJZ4251DPH4AZ3
Jinggong Heavy card - Remote -0000(ZJZ5312CCYDPT7AZ3)	JINGGONGZHONGKA-YUANCHENG-0000-ZJZ5312CCYDPT7AZ3
Jinlong - Haishi -0000	JINLONG-HAISHI-0000
Jinlong - Jinwei Yuchai -0000	JINLONG-JINWEIYUCHAI
Jinlong Bus -6125AY-0000	JINLONGKECHE-6125AY
Jinlongkeche-KLQ6220-0000	JINLONGKECHE-KLQ6120
Jinlongkeche-KLQ6720E1-0000	JINLONGKECHE-KLQ6720E1
Jinlongkeche-KLQ6758E3-0000	JINLONGKECHE-KLQ6758E3
Jinlongkeche-KLQ6796-0000	JINLONGKECHE-KLQ6796
Jinlongkeche-V90-0000-KLQ6109	JINLONGKECHE-V90-0000-KLQ6109
Jinlongkeche-XMQ6106A-0000	JINLONGKECHE-XMQ6106A
Jinlongkeche-XMQ6106AGHEV11-0000	JINLONGKECHE-XMQ6106AGHEV11
Jinlongkeche-xMQ6115AY-0000	JINLONGKECHE-XMQ6115AY
Jinlongkeche-xMQ6119y2-0000	JINLONGKECHE-XMQ6119Y2
Golden Dragon Bus -XMQ6121G-0000	JINLONGKECHE-XMQ6121G
Jinlongkeche-xMQ6122-0000	JINLONGKECHE-XMQ6122
Jinlongkeche-xMQ6122JWP1-0000	JINLONGKECHE-XMQ6122JWP1
Jinlongkeche-XMQ6125HY-0000	JINLONGKECHE-XMQ6125HY

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Type of vehicle	Car model code
Jinlongkeche-XMQ6126Y4-0000	JINLONGKECHE-XMQ6126Y4
Jinlongkeche-xmq6128 ~6129-0000	JINLONGKECHE-XMQ6128~6129
Jinlongkeche-xmq61 series-0000	JINLONGKECHE-XMQ61XILIE
Jinlongkeche-xMQ6606NA3-0000	JINLONGKECHE-XMQ6606NA3-0000
Golden Dragon Bus -XMQ6608-0000(Golden Dragon Bus -XMQ6668-0000)	JINLONGKECHE-XMQ6608(JINLONGKECHE-XMQ6668)
Jinlongkeche-XMQ6773-0000	JINLONGKECHE-XMQ6793
Jinlongkeche-xMQ6879Y-0000	JINLONGKECHE-XMQ6879Y
Jinlongkeche-XMQ6931G-0000	JINLONGKECHE-XMQ6931G
Jinlongkeche-xMQ6996Y-0000	JINLONGKECHE-XMQ6996Y
Jinlongkeche-Haili-2005-Biaozhun	JINLV-HAISHI-2005-BIAOZHUN
Jinlv-haishi -- 2010	JINLV-HAISHI-2010
Jinlv-haishi -- 2010-491Q-M	JINLV-HAISHI-2010-491Q-M
Golden Travel Bus -XML6102-0000	JINLVKECHE-XML6102
Jinlvkeche -XML6105-0000(Jinlvkeche -XML6115-0000)	JINLVKECHE-XML6105(JINLVKECHE-XML6115)
Jinlvkeche -XML6120E21H-0000	JINLVKECHE-XML6120E21H
Jinlvkeche-xml6122 Snow Leopard-0000	JINLVKECHE-XML6122XUEBAO-0000
Jinlvkeche -XML6125-0000	JINLVKECHE-XML6125-0000
Jinlvkeche -XML6126-0000	JINLVKECHE-XML6126
Jinlvkeche -XML6127-0000	JINLVKECHE-XML6127
Jinlvkeche -XML6127-2008	JINLVKECHE-XML6127-2008
Golden Travel Bus -XML6127J12WZ-0000	JINLVKECHE-XML6127J12WZ
Jinlvkeche -XML6146-0000	JINLVKECHE-XML6146
Jinlvkeche -XML6700 Kauster -0000	JINLVKECHE-XML6700KAOSITE
Jinlvkeche -XML6704E1-0000 (Koster)	JINLVKECHE-XML6704E1-0000(KAOSITE)
Jinlvkeche - XML6707-0000 (kaosite)	JINLVKECHE-XML6757
Jinlvkeche -XML6758J18-0000	JINLVKECHE-XML6758J18
Jinlvkeche-XML6836E1G-0000	JINLVKECHE-XML6836E1G
Jinlvkeche -XML6845-0000	JINLVKECHE-XML6845
Golden Travel Bus -XML6897-0000	JINLVKECHE-XML6897-0000
Jinlvkeche -XML6997-0000	JINLVKECHE-XML6997

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Type of vehicle	Car model code
Caima-Fleca-0000	KAIMA-FULAIKA
Kaima - Good Luck Coming -0000	KAIMA-HAOYUNLAI
Kaima-junteng -0000-KMC3046ZLB33D4	KAIMA-JUNTENG-0000-KMC3046ZLB33D4
Kaima-0000-KMC-0000	KAIMA-KAIMA
Kaima - Kaima -0000-2	KAIMA-KAIMA-0000-2
Kaivo -D11-20152017	KAIWO-D11-20152017
Renault -PREMIUM-0000	LEINUO-PREMIUM
United Trucks -EXI-0000	LIANHEKACHE-EXI
United Truck -UXI-0000-QIANYINCHE-ZAIHUOHCE	LIANHEKACHE-UXI-0000-QIANYINCHE-ZAIHUOHCE
United Truck -UXI-0000-ZIXIECHE-JIAOBANCHE-LAJICHE	LIANHEKACHE-UXI-0000-ZIXIECHE-JIAOBANCHE-LAJICHE
United Truck -VXI-0000	LIANHEKACHE-VXI
Lifan -LFJ3046G2-0000	LIFAN-LFJ3046G2
Lifan - Shi Jun-0000-Sikate	LIFAN-OUSHIZHANMAA6-0000
Mann-Tco-0000	MAN-TCO-0000
Mann. - New TGM-0000	MAN-XINTGM-0000
Peony Bus -- MD6602AFD23-0000	MUDANKECHE-MD6602AFD23-0000
South Locomotive Times -TEG6129NG52-0000	NANCHESHIDAI-TEG6129NG52
Nanjing IVeco -- Yuejin -- 0000-NJ1080DCMW	NANJINGYIWEIKE-YUEJIN-0000-NJ1080DCMW
Nanjing IVeco - Yuejin -0000-NJ5042XXYZFDCWZ	NANJINGYIWEIKE-YUEJIN-0000-NJ5042XXYZFDCWZ
Nanjing Iveco - Yuejin -0000-NJ5162XYKZQDDWZ	NANJINGYIWEIKE-YUEJIN-0000-NJ5162XYKZQDDWZ
Nanjing IVeco - Yuejin -2005	NANJINGYIWEIKE-YUEJIN-2005
Nanjing Iveco - Yuejin -2009	NANJINGYIWEIKE-YUEJIN-2009
Nanjing IVECO - Yuejin Shuaihu H500-2010	NANJINGYIWEIKE-YUEJINSHAUIHUH500-0000
Nanjing IVECO - Yuejin Shuaihu H100-2010	NANJINGYIWEIKE-YUEJINSHUAIHUH100-2010
Nanjing IVeco - Yuejin XiaoFuxing -0000	NANJINGYIWEIKE-YUEJINXIAOFUXING-0000
Nanjing IVeco - Yuejin Little Tiger -2011	NANJINGYIWEIKE-YUEJINXIAOHU-2011
Nanjun -- CNJ1030ZP33M-0000	NANJUN-CNJ1030ZP33M
Nan Jun-CNJ3140GPA34M-0000	NANJUN-CNJ3140GPA34M
Nanjun-CNJ4250KPB45B-0000	NANJUN-CNJ4250KPB45B
Nan Jun-njp3310ZHP61B-0000	NANJUN-NJP3310ZHP61B-0000

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Type of vehicle	Car model code
Nanjun - Ruikang -0000	NANJUN-RUIKANG
Nan Jun-Xiangkang -0000-NJA3040FPB34V	NANJUN-XIANGKANG-0000-NJA3040FPB34V
Non-motor vehicles -0000-0000	NONMOTORVEHICLE
Youth Coach -JNP6120L-0000	QINGNIANKECHE-JNP6120L
Youth Coach -JNP6122D-0000	QINGNIANKECHE-JNP6122D
Youth Coach -JNP6125-0000	QINGNIANKECHE-JNP6125
Qingniankeche-JNP6127F-0000	QINGNIANKECHE-JNP6127F
Qingniankeche-JNP6127VJ1-0000	QINGNIANKECHE-JNP6127VJ1
Youth bus -JNP6128WK-0000	QINGNIANKECHE-JNP6128WK
Qingniankeche-JNP6121FM-0000	QINGNINAKECHE-JNP6121FM
Sanhuan Shitong - Haolong -2009	SANHUANSHITONG-HAOLONG-2009
Sanhuanshitong-Haolong-0000-STQ4181L02y4N4	SANHUANSHITONG-HAOLONG-0000-STQ4181L02Y4N4
Sanhuanshitong - Yulong -0000	SANHUANSHITONG-YULONG-0000
MITSUBISHI-0000	SANLING-MITSUBISHI
Sany Heavy Industries -C6-0000-SY310	SANYIZHONGGONG-C6-0000-SY310
Sany Heavy Industry -- LNG-0000	SANYIZHONGGONG-LNG
Sany Heavy Industry -SY5250GJB4-0000	SANYIZHONGGONG-SY5250GJB4
Shanghai Huizhong - Fengchi -0000	SHANGHAIHUIZHONG-FENGCHI-0000
Saic Maxus -V80-20122014	SHANGQIDATONG-V80-20122014
Shangqidatong-V80-2014	SHANGQIDATONG-V80-2014
Shangqidatong-V80-2014-2	SHANGQIDATONG-V80-2014-2
Shangqidatong-V80-2017	SHANGQIDATONG-V80-2017
Shangqidatong -- Istana -- 2013	SHANGQIDATONG-YISITANNA-2013
Shangqidatong -- Jeca -- 0000	SHANGQIHONGYAN-JIEKA-0000
Saic Hongyan - King Kong -0000	SHANGQIHONGYAN-JINGANG-0000
Saic Hongyan-Jingang-0000-CQ3254SMG384	SHANGQIHONGYAN-JINGANG-0000-CQ3254SMG384
Saic Hongyan-Jingang M500-0000	SHANGQIHONGYAN-JINGANGM500-0000
Saic Hongyan - Teba -0000	SHANGQIHONGYAN-TEBA-0000
Saic Hongyan - New Dakang -0000-CQ4254HTVG324	SHANGQIHONGYAN-XINDAKANG-0000-CQ4254HTVG324
Saic Yuejin - Leap-0000 (NJ1042ZFDCWZ5)	SHANGQIYUEJIN-CHAOYUE-0000-NJ1042ZFDCWZ5

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Type of vehicle	Car model code
Saic Yuejin-Shuaihu-0000 (NJ1040DCFT5)	SHANGQIYUEJIN-SHUAIHU-0000-NJ1040DCFT5
Shangrao School bus -0000	SHANGRAOXIAOCHE-0000
Shaanxi Automobile - Aolong -2007	SHANQI-AOLONG-2007
Shaanxi Qi-Delong F2000-0000-1	SHANQI-DELONGF2000-1
Shanqi-DelongF2000-0000-2	SHANQI-DELONGF2000-2
Shaanxi-DelongF3000-0000	SHANQI-DELONGF3000
Shaanxi Automobile - DelongF3000-2011	SHANQI-DELONGF3000-2011
Shaanxi Automobile Delong L3000-0000	SHANQI-DELONGL3000
Shanqi-DelongL3000	SHANQI-DELONGM3000
Shanqi-DelongM3000-0000	SHANQI-DELONGM3000-0000
Shaanxi Automobile - Delong X3000-0000	SHANQI-DELONGX3000
Shaanxi Automobile - DelongX3000-0000-SX4250xC4-0000	SHANQI-DELONGX3000-SX4250XC4-0000
Shaanxi Auto - Huarui 3-0000	SHANQI-HUARUI3-0000
Shanqi-Huarui-0000	SHANQI-HUASHAN-0000
Shanqi-Huashan-0000-Huakang	SHANQI-HUASHAN-0000-HUAKANG
Shanqi-M6-0000	SHANQI-M6-0000
Shanqi-Xuande-0000-6	SHANQI-XUANDE6-0000
Shaanxi Qi - Xuande-0000-X6	SHANQI-XUANDEX6-0000
Shaolin Bus -SLG6720C4E	SHAOLINKECHE-SLG6720C4E
Shenlong Bus -SLK6118-0000	SHENLONGKECHE-SLK6118
Shenlong Bus -SLK6120L5BN5-0000	SHENLONGKECHE-SLK6120L5BN5
Shenlongkeche-SLK6802-0000	SHENLONGKECHE-SLK6802
Shenlongkeche-SLK6859UQFCEVH-0000	SHENLONGKECHE-SLK6859UQFCEVH
Shenlongkeche-SLK6900F53-0000	SHENLONGKECHE-SLK6900F53
Shenlongkeche-SWB6110-0000	SHENWOKECHE-SWB6110
Shenwokeche-SWB68-0000	SHENWOKECHE-SWB68
Shifeng - Fengchi -0000	SHIFENG-FENGCHI
Shifeng - Xinfengchi -0000	SHIFENG-XINFENGCHI
Shi Jun - Scott -0000	SHIJUN-SIKATE-0000
Shijun-sikat-0000 (LFJ3055G4)	SHIJUN-SIKATE-0000(LFJ3055G4)

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Type of vehicle	Car model code
Ten Tong -STQ1039L2Y13-0000	SHITONG-STQ1039L2Y13
Shitong -STQ3160L7Y7S-0000	SHITONG-STQ3160L7Y7S
Scania -G440-0000	SIKANNIYA-G440-0000
Scania -LA4X2MNB-0000	SIKANNIYA-LA4X2MNB
Scania -P380-0000	SIKANNIYA-P380
Tang Jun - Jinlika -0000	TANGJUN-JINLIKA
Tang Jun - Ou Ling -0000	TANGJUN-OULING
Tang Jun-Ouling -0000-2	TANGJUN-OULING-0000-2
Tang Jun-Ouling-0000-ZB5815P3t	TANGJUN-OULING-0000-ZB5815P3T
Tang Jun-Ouling-0000-ZB1040TDD6f	TANGJUN-OULING-0000-ZB1040TDD6F
Concentric Bus-TX6660G3-0000	TONGXINKECHE-TX6660G3
Volvo-FE-0000	WOERWO-FE
Volvo-FH-0000	WOERWO-FH
Volvo-FM-0000	WOERWO-FM
Volvo -FM12-0000	WOERWO-FM12-0000
Volvo - New FH-0000-FH50062TB	WOERWO-XINFH-0000-FH50062TB
Volvo - New FM-0000	WOERWO-XINGFM-0000
Wuling school bus -ZK9A343503F-0000	WULINGXIAOCHE-ZK9A343503F-0000
Isuzu -700P-0000-QL5100XXYA8PA	WUSHILING-700P-QL5100XXYA8PA
Isuzu -C-2010	WUSHILING-C-2010
Isuzu-CyZ-0000	WUSHILING-CYZ
Isuzu -FTR-0000-QL5160XXY9RFR	WUSHILING-FTR-0000-QL5160XXY9RFR
Isuzu -FVR23-0000	WUSHILING-FVR23
Isuzu -GLK6942H4-0000	WUSHILING-GLK6942H4
Isuzu -NPR66L-0000(Isuzu -NHR55ELDWCJ-0000)	WUSHILING-NPR66L(WUSHILING-NHR55ELDWCJ)
Isuzu -VC46-0000 (QL4180UJCR)	WUSHILING-VC46-0000(QL4180UJCR)
Five Signs - Altridge 1700-2011-FD1041D12K	WUZHENG-AOCHI1700-2011-FD1041D12K
Wuzheng-AOCHI2000-0000-FD1070P8K	WUZHENG-AOCHI2000-0000-FD1070P8K
Five Signs -WL4015PD7-0000	WUZHENG-WL4015PD7-0000
Hyundai - Chuanghu -2014	XIANDAI-CHUANGHU-2014
Hyundai - Rui Feng -2011	XIANDAI-RUIFENG-2011

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Type of vehicle	Car model code
Hyundai Bus -0000	XIANDAIKECHE-0000
New Earth -RX3161ZA-0000	XINDADI-RX3161ZA-0000
Sivo Bus -XW6110A-000	XIWOKECHE-XW6110A-0000
Xugong -QY16B-0000	XUGONG-QY16B-0000
Xugong -QY50K-0000	XUGONG-QY50K-0000
Xugong heavy truck - Hanfeng G7-0000-NXG5310CCYW5	XUGONGZHONGKA-HANFENGG7-0000-NXG5310CCYW5
Xugong heavy truck - Qilong -0000-NXG4180D4KA	XUGONGZHONGKA-QILONG-0000-NXG4180D4KA
Xugong heavy truck - Qilong -0000-NXG4251N5KC	XUGONGZHONGKA-QILONG-0000-NXG4251N5KC
Xugong Heavy Truck - Ruilong Z-0000	XUGONGZHONGKA-RUILONGZ-0000
Yaxing-JS6811-0000	YAXING-JS6811
Yaxing -- YBL6101H-0000	YAXING-YBL6101H
Yaxing -YBL6123H1J-0001	YAXING-YBL6123H1J
Faw-qingdao Jiefang -- 0000-JUNWEIJ5K	YIQI-QINGDAOJIEFANG-0000-JUNWEIJ5K
Faw-qingdao Jiefang-0000-Longv	YIQI-QINGDAOJIEFANG-0000-LONGV
Faw-qingdao Jiefang-0000-SAIHU3 (FAW-Xiao Jiefang)	YIQI-QINGDAOJIEFANG-0000-SAIHU3(YIQI-XIAOJIEFANG)
Faw-qingdao Jiefang-0000-SAIHU3-2 (FAW-XIAO Jiefang-0000-2)	YIQI-QINGDAOJIEFANG-0000-SAIHU3-2(YIQI-XIAOJIEFANG-0000-2)
Faw-qingdao Jiefang-0000-TAINV	YIQI-QINGDAOJIEFANG-0000-TAINV
Faw-qingdao Jiefang-0000-Xindawei	YIQI-QINGDAOJIEFANG-0000-XINDAWEI
Faw-qingdao Jiefang -2009-XINDAWEI	YIQI-QINGDAOJIEFANG-2009-XINDAWEI
Faw-qingdao Jiefang -- 2010 -- XINDAWEI	YIQI-QINGDAOJIEFANG-2010-XINDAWEI
Faw-qingdao Jiefang -2011-HANWEI-J5M	YIQI-QINGDAOJIEFANG-2011-HANWEI-J5M
Faw Hongta - Jiefang Buling-0000	YIQIHONGTA-JIEFANGBALING-0000
Faw Hongta -- Jiefangbaling 3-0000	YIQIHONGTA-JIEFANGBALING3-0000
Faw Hongta - Jiefang Jinling -0000	YIQIHONGTA-JIEFANGJINLING-0000
Faw Jiefang-Aowei J5P-0000-CA4252P21K2T1E	YIQIJIEFANG-AOWEIJ5P-0000-CA4252P21K2T1E
Faw Jiefang-Aowei J5P-2009	YIQIJIEFANG-AOWEIJ5P-2009
Faw Jiefang -CA5022PK26RXXB-0000	YIQIJIEFANG-CA5022PK26RXXB-0000
Faw Jiefang -CA5120XXYPK2L5-2005-3	YIQIJIEFANG-CA5120XXYPK2L5-2005-3
Faw Jiefang -CA5120XXYPK2L5-2005-4	YIQIJIEFANG-CA5120XXYPK2L5-2005-4
Faw Jiefang -CA5145XP11X2L11I3-0000	YIQIJIEFANG-CA5145XP11X2L11I3-0000

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Type of vehicle	Car model code
Faw Jiefang - Hanwei -0000	YIQIJIEFANG-HANWEI-0000
Faw Jiefang Tiger V-0000	YIQIJIEFANG-HUV-0000
Faw Jiefang-Hu VH-0000-CA5081CCYP40K2L1E5A84-1	YIQIJIEFANG-HUVH-0000-CA5081CCYP40K2L1E5A84-1
Faw Jiefang -J4-0000	YIQIJIEFANG-J4-0000
Faw Jiefang -J4R-0000	YIQIJIEFANG-J4R-0000
Faw Jiefang -J6-2011	YIQIJIEFANG-J6-2011
Faw Jiefang -J6-2012	YIQIJIEFANG-J6-2012
Faw Jiefang -J6F-2007	YIQIJIEFANG-J6F-2007
Faw Jiefang -J6P-2007-CA1250P63K1L6T3A1E5	YIQIJIEFANG-J6P-2007-CA1250P63K1L6T3A1E5
Faw Jiefang -J7-0000	YIQIJIEFANG-J7-0000
Faw Jiefang - Regal -0000	YIQIJIEFANG-JUNWEI-0000
Faw Jiefang - Junwei J5K-2006-CA1123P9K2L4AE	YIQIJIEFANG-JUNWEIJ5K-2006-CA1123P9K2L4AE
Faw Jiefang-Sielong 3-0000	YIQIJIEFANG-SAILONG3-2010
Faw Jiefang-SailQilin-0000-CA1128PK2L2EA80	YIQIJIEFANG-SAIQILIN-0000-CA1128PK2L2EA80
Faw Passenger-Jiefang-0000-XQ6669TQ2	YIQIKECHE-JIEFANG-0000-XQ6669TQ2
Faw Luit-Anjel L5R-0000-CA4252N2E5R5T3A90	YIQILIUTE-ANJIEL5R-0000-CA4252N2E5R5T3A90
Faw Liute-Jinlu-0000-CA4141P3K2E4A95	YIQILIUTE-JINLU-0000-CA4141P3K2E4A95
Faw Lute -LZT3165K2A91-0000	YIQILIUTE-LZT3165K2A91
Faw Lute-LZT3259K2E3T3A95-0000	YIQILIUTE-LZT3259K2E3T3A95-0000
Faw Liute-L5K-0000	YIQILIUTE-YUNCAIWANGL5K-0000
A trailload truck -LT5160CCYBBC0-0000	YITUOZHONGKA-LT5160CCYBBC0-0000
Iveco -- Baodi -- 2013	YIWEIKE-BAODI-2013
Iveco - Smug -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -2012	YIWEIKE-DEYI-2012
Iveco - Torino -2004	YIWEIKE-DULING-2004
Iveco - Turin -2009	YIWEIKE-DULING-2009
Iveco -JH8810-2007	YIWEIKE-JH8810-2007
Iveco -TURBODAILY-2011	YIWEIKE-TURBODAILY-2011
Yutong Bus -- ZK6100HU-0000	YUTONGKECHE-ZK6100HU
Yutong Bus -ZK6105CHEVNG1-0000	YUTONGKECHE-ZK6105CHEVNG1

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Type of vehicle	Car model code
Yutong Bus -ZK6105HNG2-0000	YUTONGKECHE-ZK6105HNG2
Yutong Bus -ZK6110HA-0000	YUTONGKECHE-ZK6110HA
Yutong Bus -ZK6110HA1A-0000	YUTONGKECHE-ZK6110HA1A
Yutong Bus -ZK6110HQ-0000	YUTONGKECHE-ZK6110HQ
Yutong Bus -ZK6116HA-0000	YUTONGKECHE-ZK6116HA
Yutong Bus -ZK6117HQ2Y-0000	YUTONGKECHE-ZK6117HQ2Y
Yutong Bus -ZK6118H-0000	YUTONGKECHE-ZK6118H
Yutong Bus -ZK6122HQBA-0000	YUTONGKECHE-ZK6122HQBA
Yutong Bus -ZK6126HGC-0000	YUTONGKECHE-ZK6126HGC
Yutongkeche-zk6127hs-0000 - Modeling One	YUTONGKECHE-ZK6127HS-0000-ZAOXINGYI
Yutong Bus -ZK6139HGA-0000	YUTONGKECHE-ZK6139HGA
Yutong Bus -ZK6139HW-0000	YUTONGKECHE-ZK6139HW
Yutong Bus -ZK6146HQ-0000	YUTONGKECHE-ZK6146HQ
Yutong Bus -ZK6608D-0000	YUTONGKECHE-ZK6608D
Yutong Bus -ZK6729D-0000	YUTONGKECHE-ZK6729D
Yutong Bus -ZK6729DT-0000	YUTONGKECHE-ZK6729DT
Yutong Bus -ZK6731DG-0000	YUTONGKECHE-ZK6731DG
Yutong Bus -ZK6741HNG2-0000	YUTONGKECHE-ZK6741HNG2
Yutong Bus -ZK6752D-0000	YUTONGKECHE-ZK6752D-0000
Yutong Bus -ZK6792D51-0000	YUTONGKECHE-ZK6792D51
Yutong Bus -ZK6876H-0000	YUTONGKECHE-ZK6876H
Yutong Bus -ZK6880HX2-0000	YUTONGKECHE-ZK6880HX2
Yutong Bus -ZK6908H-0000	YUTONGKECHE-ZK6908H
Yutong Bus -ZK6909H-0000	YUTONGKECHE-ZK6909H
Yutong school bus -ZK6809DX-0000	YUTONGXIAOCHE-ZK6809DX
Yutong school bus -ZK series -0000	YUTONGXIAOCHE-ZKXILIE-0000
CRRC Times -TEG6820BEV-0000	ZHONGCHESHIDAI-TEG6820BEV-0000
Sinotruk - Hohan-0000-ZZ4185M3516D1	ZHONGGUOZHONGQI-HAOHAN-0000-ZZ4185M3516D1
Sinotruk - Haohan J5G-0000-ZZ5185XXYN6813E1	ZHONGGUOZHONGQI-HAOHANJ5G-0000-ZZ5185XXYN6813E1
Sinotruk - Haohan J7B-0000-ZZ3315M3866D1	ZHONGGUOZHONGQI-HAOHANJ7B-0000-ZZ3315M3866D1

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Type of vehicle	Car model code
Sinotruk - HOWo -2009	ZHONGGUOZHONGQI-HAOWO-2009
Sinotruk - Haowo -2011	ZHONGGUOZHONGQI-HAOWO-2011
Sinotruk-howo A7-0000	ZHONGGUOZHONGQI-HAOWOA7
Sinotruk-howo A7-0000-ZZ4257V3247N1B	ZHONGGUOZHONGQI-HAOWOA7-0000-ZZ4257V3247N1B
Sinotruk-howo T6G-0000-ZZ4257N324WE1	ZHONGGUOZHONGQI-HAOWOT6G-0000-ZZ4257N324WE1
Sinotruk-howo T6H-0000-ZZ1317N466GD1	ZHONGGUOZHONGQI-HAOWOT6H-0000-ZZ1317N466GD1
Sinotruk - Howo T7H-0000-ZZ4257V324HE1B	ZHONGGUOZHONGQI-HAOWOT7H-0000-ZZ4257V324HE1B
Sinotruk - Haowo Commander -0000-ZZ3167G421CE1	ZHONGGUOZHONGQI-HAOWOTONGSHUAI-0000-ZZ3167G421CE1
Sinotruk -- Haoyun-0000	ZHONGGUOZHONGQI-HAOYUN
Sinotruk -HOKA-0000-ZZ3257N3847C1	ZHONGGUOZHONGQI-HOKA-0000-ZZ3257N3847C1
Sinotruk - Huanghe-0000 (JK6108HD)	ZHONGGUOZHONGQI-HUANGHE-0000(JK6108HD)
Sinotruk - Huanghe Shaoshuai -0000-ZZ5121G5615W	ZHONGGUOZHONGQI-HUANGHESHAOSHUAI-0000-ZZ5121G5615W
China National TruK - Jin Prince -0000	ZHONGGUOZHONGQI-JINWANGZI
Sinotruk - Steyr -0000	ZHONGGUOZHONGQI-SITAIER
Sinotruk-steyr KDM5G-0000-ZZ4253N27CGE1B	ZHONGGUOZHONGQI-SITAIERKDM5G-0000-ZZ4253N27CGE1B
Sinotruk-steyr M5G-0000-ZZ1313N466GD1	ZHONGGUOZHONGQI-SITAIERM5G-0000-ZZ1313N466GD1
Sinotruk-steyr M5G-0000-ZZ3311N386GD1	ZHONGGUOZHONGQI-SITAIERM5G-0000-ZZ3311N386GD1
Sinotruk - King Steyr -2007	ZHONGGUOZHONGQI-SITAIERWANG-2007
Sinotruk - Shantou Deka C5H-0000	ZHONGGUOZHONGQI-SITRAKC5H-0000
Sinotruk - Shandeka C7H-0000-ZZ4256V324HE1B	ZHONGGUOZHONGQI-SITRAKC7H-0000-ZZ4256V324HE1B
Sinotruk - Shantou Deka C7H-0000-ZZ4256V324HE1W	ZHONGGUOZHONGQI-SITRAKC7H-0000-ZZ4256V324HE1W
Sinotruk -ZZ1047D3414C145-0000	ZHONGGUOZHONGQI-ZZ1047D3414C145
Sinotruk -ZZ4257S3247CZ-0000	ZHONGGUOZHONGQI-ZZ4257S3247CZ
Zoomlion -QY12D431-0000	ZHONGLIANZHONGKE-QY12D431
Zoomlion -- QY20VF531-0000	ZHONGLIANZHONGKE-QY20VF531
Sinotruk Hauman H5-0000(ZZ4188K10EB0)	ZHONGQIHAOMAN-H5-ZZ4188K10EB0-0000
Sinotruk Haoman-ZZ1318M60DB0-0000	ZHONGQIHAOMAN-ZZ1318M60DB0-0000
Zhongqihaoman-ZZ3048G17EB0-0000	ZHONGQIHAOMAN-ZZ3048G17EB0-0000
Zhongqihaoman-ZZ4188K10EB0-0000	ZHONGQIHAOMAN-ZZ4188K10EB0-0000
Truk Ace -7 Series -0000	ZHONGQIWANGPAI-7XI

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Type of vehicle	Car model code
Sinotruk Wang-CDW3060A1C3-0000	ZHONGQIWANGPAI-CDW3060A1C3
Zhongqiwangpai -- CDW3080A3-0000	ZHONGQIWANGPAI-CDW3080A3-0000
Zhongqiwangpai -- CDW3160A3E3-0000	ZHONGQIWANGPAI-CDW3160A3E3-0000
Zhongqiwangpai -- CDW3220A1R5-0000	ZHONGQIWANGPAI-CDW3220A1R5-0000
Zhongqiwang-CDW5080xxYA1C3-0000	ZHONGQIWANGPAI-CDW5080XXYA1C3
Sinotruk ace -WANGPAIW5B-0000	ZHONGQIWANGPAI-WANGPAIW5B-0000
Sinotruk Ace -WANGPAIW5G-0000	ZHONGQIWANGPAI-WANGPAIW5G-0000
Zhongqiwang-triumph -0000	ZHONGTONG-KAIXUAN
Zhongtong -LCK6770D3GH-0000	ZHONGTONG-LCK6770D3GH
Zhongtong-LCK6899HA-0000	ZHONGTONG-LCK6899HA
Zhongtong - Linghang -0000(LCK6129H)	ZHONGTONG-LINGHANG-0000-LCK6129H
Zhongtong - Lingyu -0000-LCK6120HTD	ZHONGTONG-LINGYVLCK6120HTD-0000
Zhongtong - Century -0000-LCK6120HQD1	ZHONGTONG-SHIJI-0000-LCK6120HQD1
Zhongtong-sega -0000-LCK6128HQD1	ZHONGTONG-SHIJIA-0000-LCK6128HQD1
Zhongtong-shixuan -0000-LCK6118HQ1	ZHONGTONG-SHIXUAN-0000-LCK6118HQ1

7.1.6 Blue Brand Electric Police Car Model

Type of car	Car model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017
Alfa Romeo -Stelio-2017	AERFALUOMIOU-STELIO-2017
Audi -A1-20132014	AODI-A1-20132014
Audi -A3-2012- Imported	AODI-A3-2012-JINKOU
Audi -A3-2014~2016	AODI-A3-2014~2016-SPORTBACK
Audi -A3-2015	AODI-A3-2015
Audi -A3-2015- Convertible import	AODI-A3-2015-CHANGPENGJINKOU
Audi -A3-2017	AODI-A3-2017
Audi -A4-2004	AODI-A4-2004
Audi -A4-20062008	AODI-A4-20062008
Audi -A4-2007	AODI-A4-2007
Audi -A4L-201320152016	AODI-A4L-201320152016
Audi -A4L-2017	AODI-A4L-2017

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Type of car	Car model code
Audi -A5-20082010	AODI-A5-20082010
Audi -A5-2012~2016	AODI-A5-2012~2016-CABRIOLET
Audi -A6-2004	AODI-A6-2004
Audi -A6L-200520062008	AODI-A6L-200520062008
Audi -A6L-2009~2011	AODI-A6L-2009~2011
Audi -A6L-2012~2016	AODI-A6L-2012~2016
Audi -A6L-20162017	AODI-A6L-20162017
Audi -A7-2012~2014	AODI-A7-2012~2014
Audi -A7-2017	AODI-A7-2017
Audi -A8-2008~2010	AODI-A8-2008~2010
Audi -A8L-20112012	AODI-A8L-20112012
Audi -A8L-201420162017	AODI-A8L-201420162017
Audi -Q3-20132015	AODI-Q3-20132015
Audi -Q3-20162017	AODI-Q3-20162017
Audi -Q5-20102012	AODI-Q5-20102012
Audi -Q5-20132015	AODI-Q5-20132015
Audi Q7-2006~2015	AODI-Q7-2006~2015
Audi -Q7-2016	AODI-Q7-2016
Audi -S3-20152017	AODI-S3-20152017
Audi -S4-2008	AODI-S4-2008
Audi -S4-2013	AODI-S4-2013
Audi -S5-20122015	AODI-S5-20122015
Audi -SQ5-2017	AODI-SQ5-2017
Audy-tt-2008 ~2012	AODI-TT-2008~2012
Audi -TT-2013~2015	AODI-TT-2013~2015
Aston Martin -rapide-2010	ASIDUNMADING-RAPIDE-2010
Bao Jun -310-2016	BAOJUN-310-2016
Baojun-510-2017	BAOJUN-510-2017
Bao Jun-560-20152016	BAOJUN-560-20152016
Bao Jun-610-2014	BAOJUN-610-2014
Baojun-630-2011 ~214	BAOJUN-630-2011~2014

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Type of car	Car model code
Baojun-730-20142015	BAOJUN-730-20142015
Bao Jun-730-2016	BAOJUN-730-2016
Baojun - Lechi -20102012	BAOJUN-LECHI-20102012
BMW-116I-20122013	BAOMA-116I-20122013(BAOMA-120D-2012)
Baoma-118I-20152016	BAOMA-118I-20152016(BAOMA-120I-2015)
BaOMa-120I-200720082010	BAOMA-120I-200720082010(BAOMA-130I-2008)
BaOMa-120I-2011	BAOMA-120I-2011
Baoma-125i-2012	BAOMA-125I-2012
Baoma-220i-2016	BAOMA-220I-2016
Baoma-228I-20142015	BAOMA-228I-20142015
BMW 320i-200520072008	BAOMA-320I-200520072008(BAOMA-320I-2006-JINKOU)
Baoma-320i-2009 ~2012	BAOMA-320I-2009~2012(BAOMA-318I-20102011)
BMW -320i-2017	BAOMA-320I-2017
BMW -320LI-20132014	BAOMA-320LI-20132014
Baoma-328i-20132014 - Imported	BAOMA-328I-20132014-JINKOU(BAOMA-328LI-2013~2015)
Baoma-328i-2015 - Sports	BAOMA-328I-2015-YUNDONG(BAOMA-330LI-2017)
Baoma-330I-2005-2008	BAOMA-330i-2005~2008
Baoma-330i-2011 - Imported	BAOMA-330I-2011-JINKOU
BMW 330i-213	BAOMA-330I-2013
Baoma-3 Series GT-2013~2017	BAOMA-3XIGT-2013~2017
BMW -4 Series -20132014	BAOMA-4XI-20132014
Baoma-4 Series -20142016	BAOMA-4XI-20142016
Baoma-4 Series -2015~2018	BAOMA-4XI-2015~2018
BaOMa-525I-2004	BAOMA-525I-2004
Baoma-530li -2008~2010	BAOMA-530LI-2008$_{2010(BAOMA-525LI-20052009}$2010)
Baoma-535I-2014	BAOMA-535I-2014
BMW 535LI-2011~2013	BAOMA-535LI-2011~2013
BMW -5 Series -1995	BAOMA-5XI-1995
Baoma-5 Series -2014~2017	BAOMA-5XI-2014$_{2017(BAOMA-525LI-2014}$2017)
Bmw-5 Series GT-2011~2017	BAOMA-5XIGT-2011~2017
Baoma-5 Series M-2018	BAOMA-5XIM-2018

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Type of car	Car model code
BMW -6 Series -20132015	BAOMA-6XI-20132015
BMW -7 Series -2004	BAOMA-7XI-2004
Baoma-7 Series -200520072008	BAOMA-7XI-200520072008
BMW 7 Series -2009~2014	BAOMA-7XI-2009~2014
BMW -7 Series -201620172018	BAOMA-7XI-201620172018
BMW -M140I-2017	BAOMA-M140I-2017
Bmw-m2-2016 ~2018	BAOMA-M2-2016~2018
BMW -M3-2009~2013	BAOMA-M3-2009~2013
BMW -M3-2014~2017	BAOMA-M3-2014~2017
Baoma-m4-2014 ~2017	BAOMA-M4-2014~2017
BMW -M5-2011~2016	BAOMA-M5-2011~2016
BMW -M6-2015	BAOMA-M6-2015
BMW -X1-2010~2015	BAOMA-X1-2010~2015
BMW -X1-20162018	BAOMA-X1-20162018
BMW -X3-2008	BAOMA-X3-2008
BMW -X3-2011201220142016	BAOMA-X3-2011201220142016
BaOMA-X4-2014	BAOMA-X4-2014
BaOMa-X5-20042006	BAOMA-X5-20042006
Bmw-x5-2008 ~2013	BAOMA-X5-2008~2013
BMW -X5-2010-M	BAOMA-X5-2010-M
BaOMa-X5-2014	BAOMA-X5-2014
BaOMa-X5-2016	BAOMA-X5-2016
BMW -X5M-2015	BAOMA-X5M-2015
BMW -X6-20082009	BAOMA-X6-20082009
BaomA-X6-201-M	BAOMA-X6-2010-M
BaOMA-X6-2013	BAOMA-X6-2013
BMW -X6-2014	BAOMA-X6-2014
BMW Z4-2009~2012	BAOMA-Z4-2009~2012
Bao Qi-Jin Qi-2015	BAOQI-JINQI-2015
Porsche-Boxster-2016	BAOSHIJIE-BOXSTER-2006
Porsche -Boxster-2009~2016	BAOSHIJIE-BOXSTER-2009~2011

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Type of car	Car model code
Porsche-cayman -- 2013~2016	BAOSHIJIE-CAYMAN-2013~2016 (BAOSHIJIE-BOXSTER-2013)
Porsche - Cayenne -20062008	BAOSHIJIE-KAYAN-20062008-TURBO
Porsche - Cayenne -20072008	BAOSHIJIE-KAYAN-20072008
Porsche - Cayenne -2010~2014	BAOSHIJIE-KAYAN-2010~2014
Porsche - Cayenne -2013~2016	BAOSHIJIE-KAYAN-2013~2016
Porsche-macans-2014 ~2017	BAOSHIJIE-MACANS-2014~2017
Porsche-panamera -2010	BAOSHIJIE-PANAMERA-2010-TURBO
Porsche -Panamera-20132015	BAOSHIJIE-PANAMERA-20132015
Porsche -Panamera-20142016	BAOSHIJIE-PANAMERA-20142016
Beijing -- BJ20-2016	BEIJING-BJ20-2016
Beijing -- BJ40-20142016	BEIJING-BJ40-20142016
Beijing -- BJ80-2016	BEIJING-BJ80-2016
Beijing Auto - Saab D20-2015	BEIJINGQICHE-SHENBAOD20-2015
Beijing Auto - Saab D50-2014	BEIJINGQICHE-SHENBAOD50-2014
Beijing Auto -- Shenbaod50-2013	BEIJINGQICHE-SHENBAOD70-2013
Beijing Automotive -- Saab X25-20152017	BEIJINGQICHE-SHENBAOX25-20152017
Beijing Auto - Saab X55-2016	BEIJINGQICHE-SHENBAOX55-2016
Beijing Auto - Saab X65-2015	BEIJINGQICHE-SHENBAOX65-2015
Baic Magic Velocity -H2V-2016	BEIQIHUANSU-H2V-2016
Beiqihuans-H3-2015	BEIQIHUANSU-H3-2015
Baic Magic speed -S2-2014	BEIQIHUANSU-S2-2014
Beiqihuans-s3-2014 ~2016	BEIQIHUANSU-S3-2014~2016
Beiqihuansu -S6-20162017	BEIQIHUANSU-S6-20162017
Beiqihuansu-205-2013	BEIQIWEIWANG-205-2013
Beiqiweiwang-306-2011 ~2014	BEIQIWEIWANG-306-2011~2014
BeiqiWeiwang-M20-2014	BEIQIWEIWANG-M20-2014
Beiqiweiwang -- M30-2015	BEIQIWEIWANG-M30-2015
BeiqiWeiwang-S50-2016	BEIQIWEIWANG-S50-2016
Baic New Energy -EC-2017	BEIQIXINNENGYUAN-EC-2017
Beiqixinneng-EV-20132014	BEIQIXINNENGYUAN-EV-20132014(BEIJINGQICHE-EXILIE-2013)
Benz -A160-20042011	BENCHI-A160-20042011(BENCHI-A180-20112013)

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Type of car	Car model code
Benz -A200-2015	BENCHI-A200-2015
Benz -A250-2016	BENCHI-A250-2016(BENCHI-A200-2016-YUNDONG)
Benz -AMGS65L-2014	BENCHI-AMGS65L-2014
Benz -B180-2012	BENCHI-B180-2012
Benz -B200-2009	BENCHI-B200-2009
Mercedes-benz B200-20152017	BENCHI-B200-20152017(BENCHI-B180-2016)
Benz -C180-2013	BENCHI-C180-2013
Benz -C200-20112013	BENCHI-C200-20112013
Benz -C200-201520162017	BENCHI-C200-201520162017
Benz -C200K-2008	BENCHI-C200K-2008
Benz -C200L-2017	BENCHI-C200L-2017 (BENCHI-C260L-2015)
Benz -C260-2010	BENCHI-C260-2010
Benz -C260CGI-20112013	BENCHI-C260CGI-20112013
Mercedes-benz C300-2010	BENCHI-C300-2010(BENCHI-C280-2008)
Benz -C300-2011	BENCHI-C300-2011
Benz -C300-2013	BENCHI-C300-2013
Benz -C300L-2015- Sports	BENCHI-C300L-2015-YUNDONG(BENCHI-C180L-2015-YUNDONG)
Benz -C63-2014	BENCHI-C63-2014
Benz -CLA200-2017	BENCHI-CLA200-2017
Benz - CLA-220-2015	BENCHI-CLA220-2015
Benz -CLA220-20152016	BENCHI-CLA220-20152016
Mercedes-benz CLK300-2006	BENCHI-CLK300-2006
Benz -CLS260-20152017	BENCHI-CLS260-20152017
Benz -CLS300-20122013	BENCHI-CLS300-20122013
Benz -E180-2015	BENCHI-E180-2015
Benz -E200-2016	BENCHI-E200-2016
Benz -E200CGICOUPE-2012	BENCHI-E200CGICOUPE-2012(BENCHI-E260CGICOUPE-2012)
Benz -E260-2010	BENCHI-E260-2010
Benz -E260-2013	BENCHI-E260-2013
Mercedes-benz -E260L-2014	BENCHI-E260L-2014
Benz -E260L-2014- Sports	BENCHI-E260L-2014-YUNDONG(BENCHI-E300L-2014-YUNDONG)

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Type of car	Car model code
Benz -E260L-20142015	BENCHI-E260L-20142015(BENCHI-E400L-20142015)
Benz -E280-2005	BENCHI-E280-2005
Benz -E280-2007	BENCHI-E280-2007
Benz -E280-20072008	BENCHI-E280-20072008
Benz -E300-2011~2013- Fashion	BENCHI-E300-2011~2013-SHISHANG
Benz -E300L-20162017	BENCHI-E300L-20162017
Benz -E350-2013- Imported	BENCHI-E350-2013-JINKOU
Benz - E-Class -2017	BENCHI-EJI-2017
Mercedes-e-class AMG-2016~2018	BENCHI-EJIAMG-2016~2018
Benz -G-2013~2016- Imported	BENCHI-G-2013~2016-JINKOU(BENCHI-G650-2017)
Benz -GL-2013	BENCHI-GL-2013-JIBEN
Benz -GL400-2011	BENCHI-GL400-2011
Benz -GLA220-20152016	BENCHI-GLA220-20152016
Benz -GLC260-20162017	BENCHI-GLC260-20162017
Benchi-gle-2015 ~2017	BENCHI-GLE-2015~2017
Benz -GLK2604MATIC-2015	BENCHI-GLK2604MATIC-2015
Benz -GLK300-2012	BENCHI-GLK300-2012
Benz -GLK300-2013~2015	BENCHI-GLK300-2013~2015
Benz -GLK3004MATIC-20112012	BENCHI-GLK3004MATIC-20112012
Mercedes-benz - Maybach S-Class -2015~2017	BENCHI-MAIBAHESJI-2015-2017
Bench-ml-2005 ~2010	BENCHI-ML-2005~2010
Benz -ML-2010	BENCHI-ML-2010
Benchi-ML-201220142015	BENCHI-ML-201220142015
Benz -ML63-20072011	BENCHI-ML63-20072011
Benz -R-20062007	BENCHI-R-20062007
Benz -R300-2009~2017	BENCHI-R300-2009~2017
Benz -S300L-2006	BENCHI-S300L-2006
Benz -S350-2004	BENCHI-S350-2004
Benz -S350L-2010~2012	BENCHI-S350L-2010~2012
Benz -S400L-2014~2017	BENCHI-S400L-2014~2017
Benz -SLK-200420102011	BENCHI-SLK-200420102011

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Type of car	Car model code
Benz -SLK-2011	BENCHI-SLK-2011
Benz -V260-2016	BENCHI-V260-2016
Benz - Vito -2010~2015	BENCHI-WEITING-2010~2015
Benz - Weiting -2016	BENCHI-WEITING-2016
Benchi-weiting -- 2011~2015	BENCHI-WEIYANUO-2011~2015
Pentium-B50-2009	BENTENG-B50-2009
Pentium-b70-2006 ~2009	BENTENG-B70-2006~2009
Pentium-B70-2010	BENTENG-B70-2010
Pentium-X80-2013	BENTENG-X80-2013
Honda-alishen -- 20122015	BENTIAN-AILISHEN-20122015
Honda-odyssey -2002	BENTIAN-AODESAI-2002
Honda-odyssey -2007	BENTIAN-AODESAI-2007
Honda-odyssey -2008	BENTIAN-AODESAI-2008
Honda-odyssey -20092013	BENTIAN-AODESAI-20092013
Honda-odyssey -2011	BENTIAN-AODESAI-2011
Honda-odyssey -20132014	BENTIAN-AODESAI-20132014
Honda-odyssey -20152017	BENTIAN-AODESAI-20152017
Honda-binzhi -- 2015~2017	BENTIAN-BINZHI-2015~2017
Honda-CRV-2006	BENTIAN-CRV-2006
Honda-CRV-2007	BENTIAN-CRV-2007
Honda-CRV-2010	BENTIAN-CRV-2010
Honda-CRV-2013	BENTIAN-CRV-2013
Honda-CRV-2015	BENTIAN-CRV-2015
Honda-crz-2010 ~2013	BENTIAN-CRZ-2010~2013
Honda-fit -2003	BENTIAN-FEIDU-2003
Honda-fit -2007	BENTIAN-FEIDU-2007
Honda-fit -2008	BENTIAN-FEIDU-2008
Honda-fit -2011	BENTIAN-FEIDU-2011
Honda-fit -20142016	BENTIAN-FEIDU-20142016 (Bentian-FeidU-20142016-Shushi)
Honda - Feng Fan -20082011	BENTIAN-FENGFAN-20082011
Honda - Fengfan -2012	BENTIAN-FENGFAN-2012

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Type of car	Car model code
Honda - Fengfan -20152017	BENTIAN-FENGFAN-20152017
Honda-gori -2016	BENTIAN-GERUI-2016
Honda - Gerui -2012	BENTIAN-GESHITU-2012
Honda - Geshitu -20142016	BENTIAN-GESHITU-20142016
Honda-guandao -2017	BENTIAN-GUANDAO-2017
Honda-jade -2013~2016	BENTIAN-JIEDE-2013~2016
Honda - Ling Pai -201320152016	BENTIAN-LINGPAI-201320152016
Honda -- Concept S1-2011	BENTIAN-LINIANS1-2011
Honda - Shi Yun -2004	BENTIAN-SHIJUN-2004
Honda-spirex -2009	BENTIAN-SIBORUI-2009
Honda-siborui -2013	BENTIAN-SIBORUI-2013
Honda - Siborui - 20152017	BENTIAN-SIBORUI-20152017
Honda-siborui -20062007	BENTIAN-SIDI-20062007
Honda-simi -2012	BENTIAN-SIMING-2012
Honda-civic -2008	BENTIAN-SIYU-2008
Honda-civic -2009	BENTIAN-SIYU-2009
Honda-civic -20122013	BENTIAN-SIYU-20122013
Honda-civic -2014	BENTIAN-SIYU-2014
Honda-civic -2016	BENTIAN-SIYU-2016
Honda -XRV-2015	BENTIAN-XRV-2015
Honda-accord -2002	BENTIAN-YAGE-2002
Honda-accord 20042005	BENTIAN-YAGE-20042005
Honda-accord -20062007	BENTIAN-YAGE-20062007
Honda-accord -- 2008~2013	BENTIAN-YAGE-2008~2013
Honda-accord -201420152016	BENTIAN-YAGE-201420152016
Peugeot -- 2008-2015	BIAOZHI-2008-2015
Peugeot -206-2004~2008	BIAOZHI-206-2004~2008
Peugeot -207-2009201020112013	BIAOZHI-207-2009201020112013
Peugeot -3008-20112013~2015	BIAOZHI-3008-20112013~2015-JINKOU
Peugeot -301-20142016	BIAOZHI-301-20142016
Peugeot -307-2006~2010	BIAOZHI-307-2006~2010-SANXIANG

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Type of car	Car model code
Peugeot -307-2008~2013	BIAOZHI-307-2008~2013-LIANGXIANG
Peugeot -308-2012~2014	BIAOZHI-308-2012~2014
Peugeot -4008-20122013	BIAOZHI-4008-20122013
Peugeot -4008-2017	BIAOZHI-4008-2017
Peugeot -407SW-2007	BIAOZHI-407SW-2007-JINKOU
Peugeot -408-2010~2012	BIAOZHI-408-2010~2012
Peugeot -408-2013	BIAOZHI-408-2013
Peugeot -408-20142015	BIAOZHI-408-20142015
Peugeot -5008-2017	BIAOZHI-5008-2017
Peugeot -508-2011201320142015	BIAOZHI-508-2011201320142015
Buick - Encore -20132014	BIEKE-ANGKELA-20132014
Buick - Encore -2016~2018	BIEKE-ANGKELA-2016~2018
Buick - Enclave -2009	BIEKE-ANGKELEI-2009
Buick - Envision -2015	BIEKE-ANGKEWEI-2015
Buick -GL8-20032005207	BIEKE-GL8-200320052007
Buick -GL8-20112013- Business	BIEKE-GL8-20112013-SHANGWU
Buick -GL8-2011~201420052006	BIEKE-GL8-2011~201420052006-LUZUN
Buick -GL8-2015	BIEKE-GL8-2015
Buick -GL8-2017	BIEKE-GL8-2017-28T
Buick - Regal -2002	BIEKE-JUNWEI-2002
Buick - Regal -20042005	BIEKE-JUNWEI-20042005
Buick -- Regal -- 2011~2013	BIEKE-JUNWEI-2011~2013-YUNDONG
Buick -- Regal -- 20142015	BIEKE-JUNWEI-20142015
Buick - Lacrosse -20062008	BIEKE-JUNYUE-20062008
Buick - Lacrosse -2009	BIEKE-JUNYUE-2009
Buick - Lacrosse -20132014	BIEKE-JUNYUE-20132014
Buick - Lacrosse -2016	BIEKE-JUNYUE-2016
Buick Excel-20042005	BIEKE-KAIYUE-20042005
Buick - Kaiyue -20052006	BIEKE-KAIYUE-20052006
Buick - Kaiyue -20052007	BIEKE-KAIYUE-20052007-LVXING
Buick - Kaiyue -2015	BIEKE-KAIYUE-2015

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Type of car	Car model code
Buick - Boulevard -2007~2011	BIEKE-LINYINDADAO-2007~2011
Buick - Sail -2002	BIEKE-SAIOU-2002
Buick - Sail -2003~2004	BIEKE-SAIOU-2003~2004
Buick - Valen -20152017	BIEKE-WEILANG-20152017
Buick - Inlong -20152017	BIEKE-YINGLANG-20152017
Buick -- Yinglang GT -- 2010~2013	BIEKE-YINGLANGGT-2010~2013
Buick - YinglangGT XT-210~2014	BIEKE-YINGLANGXT-2010~2014
Bentley -Grandconvertible-2015	BINLI-GRANDCONVERTIBLE-2015
Bentley -- Continental -- 20132014	BINLI-OULU-20132014
Binli-oulu -- M3-2017	BISU-M3-2017
BYD-E5-20162017	BIYADI-E5-20162017
BYD-E6-20142016	BIYADI-E6-20142016
BYD-F0-201220132015	BIYADI-F0-201220132015
Byd-f3-2005 ~2013	BIYADI-F3-2005~2013
BYD-F3-2015	BIYADI-F3-2015
BYD-F3R-200820092011	BIYADI-F3R-200820092011
BiYADI-F6-2011	BIYADI-F6-2011
Byd-g3-2010 ~2013	BIYADI-G3-2010~2013
BiYadi-G5-2014	BIYADI-G5-2014
BYD-G6-2013	BIYADI-G6-2013
BYD-L3-2013	BIYADI-L3-2013
BYD-M6-2015	BIYADI-M6-2015
Byd-qin -- 2012~20162017	BIYADI-QIN-2012~20162017
BYD-S6-201220132014	BIYADI-S6-201220132014
BYD-S7-20152016	BIYADI-S7-20152016
Byd-srui -20162018	BIYADI-SIRUI-2013
Byd-song -- 20162018	BIYADI-SONG-20162018
Byd-song MAX-20172018	BIYADI-SONGMAX-20172018
Byd-sirui -- 20152017	BIYADI-SURUI-20152016
Byd-tang -- 20152017	BIYADI-TANG-20152017
Changan - Benben LOVEMT-2010	CHANGAN-BENBENLOVEMT-2010

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Type of car	Car model code
Changan -- Benben Mini -- 2010~2012	CHANGAN-BENBENMINI-2010~2012
Changan -- Changan Starlight -- 2007	CHANGAN-CHANGANXINGGUANG-2007-SHANGYONG
Changan -- Changan Star -- 200320072009	CHANGAN-CHANGANZHIXING-200320072009
Changan-changanzhixing -- 2013 -- Commercial	CHANGAN-CHANGANZHIXING-2013-SHANGYONG
Changan -- Changan Zhixing G2-2009 -- Commercial	CHANGAN-CHANGANZHIXING2-2009-SHANGYONG
Changan -- Changan Zhixing2 -- 2012 -- Commercial	CHANGAN-CHANGANZHIXING2-2012-SHANGYONG
Changan-Changanzhixing2-2015	CHANGAN-CHANGANZHIXING3-2015
Changan -- Changan Star G7 -- 2014 -- commercial	CHANGAN-CHANGANZHIXING7-2014-SHANGYONG
Changan-Changanzhixing7-2015	CHANGAN-CHANGANZHIXING9-2015
Changan -- Changan Zhixing S460-2009 -- Commercial	CHANGAN-CHANGANZHIXINGS460-2009-SHANGYONG
Changan -- CM8-2004 -- Shangyong	CHANGAN-CM8-2004-SHANGYONG
Changan-cs35-2012 ~2017	CHANGAN-CS35-2012~2017
Changan-CS75-2014	CHANGAN-CS75-2014
Changan-CX20-2014	CHANGAN-CX20-2014
Changan-CX30-20112012	CHANGAN-CX30-20112012
Changan-CX70-2016	CHANGAN-CX70-2016(CHANGAN-CX70-2017-SHOUDONG)
Changan-liwei -2013201420152017	CHANGAN-OULIWEI-2013201420152017
Changan-ouliwei -- 20152017 -- Commercial	CHANGAN-OUNUO-20152017-SHANGYONG
Changan-ounuo Commercial Vehicle -- 2012 -- Commercial	CHANGAN-OUNUOSHANGWUCHE-2012-SHANGYONG
Changan-auchan -20152016	CHANGAN-OUSHANG-20152016
Changan-oushang-2014 -- Commercial	CHANGAN-RUIXING-2014-SHANGYONG
Changan - Ruixing M70-2016	CHANGAN-RUIXINGM70-2016
Changan-Ruixingm20132017	CHANGAN-YIDONG-20132017
Changan-escape New Energy -- 2016	CHANGAN-YIDONGXINNENGYUAN-2016
Changan-yidongxinnengyuan -- 2009	CHANGAN-YUEXIANG-2009-LIANGXIANG
Changan-yuexiang -- 20092010	CHANGAN-YUEXIANG-20092010
Changan-yuexiang V3-2012	CHANGAN-YUEXIANGV3-2012
Changan-YuexiangV5-2012	CHANGAN-YUEXIANGV5-2012
Changan-YuexiangV7-2015	CHANGAN-YUEXIANGV7-2015

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Type of car	Car model code
Changan-YuexiangV7-20112013	CHANGANOUSHANG-JINNIUXING-20112013
The Great Wall -C20R-20132014	CHANGCHENG-C20R-20132014
The Great Wall -C30-201020122014	CHANGCHENG-C30-201020122014
The Great Wall -C30-20152017	CHANGCHENG-C30-20152017
The Great Wall -C50-20122013	CHANGCHENG-C50-20122013
The Great Wall - Haval H3-200620072012	CHANGCHENG-HAFUH3-200620072012
Great Wall - Haval H5-2010	CHANGCHENG-HAFUH5-2010-2
Great Wall - Hafuh5 -2011	CHANGCHENG-HAFUH6-2011
The Great Wall - Genie -2008	CHANGCHENG-JINGLING-2008
Great Wall - Cool Bear -20092010	CHANGCHENG-KUXIONG-20092010
The Great Wall -M2-2010	CHANGCHENG-M2-2010
The Great Wall -M4-20122013	CHANGCHENG-M4-20122013
The Great Wall -M4-20142015	CHANGCHENG-M4-20142015
The Great Wall - Saiying -2007	CHANGCHENG-SAIYING-2007
Great Wall -- Tengyi v80 -- 2011~2013	CHANGCHENG-TENGYIV80-2011~2013
Changhe - Freida -2009~2014	CHANGHE-FURUIDA-2009~2014
Changhe -M50-2015	CHANGHE-M50-2015
Daihatsu - Senya -20092011	DAFA-SENYA-20092011
Dodger - Coolbo -2009~2011	DAOQI-KUBO-2009~2011
Dodge - Kuwei -2009	DAOQI-KUWEI-2009-JINKOU
Daoqi-kuwei -2013	DAOQI-KUWEI-2013
Dodge - Challenger -2015	DAOQI-TIAOZHANZHE-2015
Volkswagen - Bora -2004	DAZHONG-BAOLAI-2004
Volkswagen - Bora -2006	DAZHONG-BAOLAI-2006
Volkswagen - Bora -2012	DAZHONG-BAOLAI-2012
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014-2
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014-SPORTLINE
Volkswagen - Bora -20162017	DAZHONG-BAOLAI-20162017
Volkswagen -CC-2009~2012	DAZHONG-CC-2009~2012
Volkswagen -CC-2013~2018	DAZHONG-CC-2013~2018
Dazhong - Gower -2002	DAZHONG-GAOER-2002

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Type of car	Car model code
Volkswagen - Golf -2006	DAZHONG-GAOERFU-2006-JINKOU
Volkswagen - Golf -201420152016	DAZHONG-GAOERFU-201420152016
Volkswagen-Golf-2004	DAZHONG-GOLF-2004
Dazhong -GOLF-2010~2016	DAZHONG-GOLF-2010~2016
Volkswagen -GOLF-2014~2016	DAZHONG-GOLF-2014~2016
Volkswagen-Golf-2016	DAZHONG-GOLF-2016-RLINE
Dazhong -- Phaeton -- 2011~2013	DAZHONG-HUITENG-2011~2013
Volkswagen - Jetta -2014	DAZHONG-JETTA-2014
Volkswagen - Beetle -2006	DAZHONG-JIAKECHONG-2006
Volkswagen - Beetle -2012~2015	DAZHONG-JIAKECHONG-2012~2015
Volkswagen - Jetta -19982005	DAZHONG-JIEDA-19982005
Volkswagen -- Jetta -- 20002006~2012	DAZHONG-JIEDA-20002006~2012
Volkswagen -- Jetta -- 20132015	DAZHONG-JIEDA-20132015-SHISHANG
Volkswagen -- Jetta -- 2017	DAZHONG-JIEDA-2017
Volkswagen - Keluway -20142015	DAZHONG-KAILUWEI-20142015
Dazhong - Langxing -2013201420142017	DAZHONG-LANGXING-2013201420152017
Volkswagen - Lavida -2008	DAZHONG-LANGYI-2008
Volkswagen - Lavida -201220142015	DAZHONG-LANGYI-201320142015
Volkswagen -- Lavida -- 2015~2017	DAZHONG-LANGYI-2015~2017
Dazhong - Lamdo -2015~2017	DAZHONG-LINGDU-20152017
Volkswagen - Magotan -2009	DAZHONG-MAITENG-2009
Dazhong -- Maiteng -- 2012~2015	DAZHONG-MAITENG-2012~2015
Volkswagen - Maiteng -2017	DAZHONG-MAITENG-2017
Volkswagen - Passat -2004~2007	DAZHONG-PASATE-2004~2007
Volkswagen - Passat -2011~2015	DAZHONG-PASATE-2011~2015-ZUNRONG
Volkswagen - Passat -20162017	DAZHONG-PASATE-20162017
Dazhong -Passat Drive -20052007	DAZHONG-PASSATLINGYU-20052007
Dazhong -Passat Drive -2011	DAZHONG-PASSATLINGYU-2011
Volkswagen -POLO-2004	DAZHONG-POLO-2004
Volkswagen -POLO-2004- Sanchon	DAZHONG-POLO-2004-SANXIANG
Dazhong -POLO-20072008	DAZHONG-POLO-20072008

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Type of car	Car model code
Volkswagen -POLO-20072009	DAZHONG-POLO-20072009
Volkswagen -POLO-2011- Sanchon	DAZHONG-POLO-2011-SANXIANG
Dazhong -POLO-20112012	DAZHONG-POLO-20112012
Volkswagen -POLO-20142016	DAZHONG-POLO-20142016
Volkswagen -POLOCROSS-2007	DAZHONG-POLOCROSS-2007
Volkswagen - Santana -1998	DAZHONG-SANGTANA-1998
Volkswagen - Santana -20042007	DAZHONG-SANGTANA-20042007
Dazhong - Santana 3000-20062008	DAZHONG-SANGTANA3000-20062008
Volkswagen - Santana Shanna -2013~2015	DAZHONG-SANGTANASHANGNA-2013~2015
Dazhong - Santana Zhijun -20062008	DAZHONG-SANGTANAZHIJUN-20062008
Dazhong - Santana Zhijun -200620082010	DAZHONG-SANGTANAZHIJUN-200620082010
Volkswagen -- Scirocco -- 2009~2014	DAZHONG-SHANGKU-2009~2014
Dazhong - Shangku -2011	DAZHONG-SHANGKU-2011
Dazhong -- Sagitar -- 2006~2010	DAZHONG-SUTENG-2006~2010
Dazhong -- Suteng -- 2006~2011	DAZHONG-SUTENG-2006~2011
Dazhong -- Suteng -- 2012~2014	DAZHONG-SUTENG-2012~2014
Volkswagen-suteng -2015	DAZHONG-SUTENG-2015
Volkswagen - Touran -2005	DAZHONG-TUAN-2005
Volkswagen - Touan -2013~2015	DAZHONG-TUAN-2013~2015
Volkswagen - Tiguan -20102012	DAZHONG-TUGUAN-20102012
Volkswagen -- Tiguan -- 2013~2015	DAZHONG-TUGUAN-2013~2015
Volkswagen - Tiguan L-2017	DAZHONG-TUGUANL-2017
Volkswagen - Touareg -2010	DAZHONG-TURUI-2010
Volkswagen - Touareg -2011201420162017	DAZHONG-TURUI-2011201420162017
Dazhong - Sharan -2012~2017	DAZHONG-XIALANG-2012~2017
Emgrand - Bo Rui -20152016	DIHAO-BORUI-20152016
Emgrand - Borui -2017	DIHAO-BORUI-2017
Emgrand - Boyue -2016	DIHAO-BOYUE-2016
Emgrand - Emgrand -2014~2016	DIHAO-DIHAO-2014~2016-LIANGXIANG
Emgrand - Emgrand -20162017	DIHAO-DIHAO-20162017
Emgrand -EC7-2012	DIHAO-EC7-2012

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Type of car	Car model code
Emgrand -EC7RV-2010	DIHAO-EC7RV-2010
Emgrand -EC8-20112013	DIHAO-EC8-20112013
Emgrand -EX8-2009	DIHAO-EX8-2009
Emgrand -GL-2017+	DIHAO-GL-2017
Emgrand -GS-20142016	DIHAO-GS-20142016
Emgrand -GS-20162017	DIHAO-GS-20162017-YUNDONG
Emgrand - Kong -20162017	DIHAO-JINGANG-20162017
Emgrand - Classic Emgrand -2009~2013	DIHAO-JINGDIANDIHAO-2009~2013-SANXIANG
Emgrand - Classic Emgrand -2011~2013	DIHAO-JINGDIANDIHAO-2011~2013-LIANGXIANG
Emgrand - Vista -2015	DIHAO-YUANJING-2015
Emgrand -- Vista -- 2018	DIHAO-YUANJING-2018
Emgrand - Vision SUV-2016	DIHAO-YUANJINGSUV-2016
Emgrand - Vision X1-2017	DIHAO-YUANJINGX1-2017
Emgrand - Vision X3-2017	DIHAO-YUANJINGX3-2017
East wind - grace -20102011~2014	DONGFENG-FENGDU-20102011~2014
Dongfeng-fengfeng 370-2016	DONGFENG-FENGGUANG370-2016
Dongfeng -- Fengshen a30-2014	DONGFENG-FENGSHENA30-2014
Dongfeng -- Fengshena60-2014	DONGFENG-FENGSHENA60-2014
Dongfeng -- FengshenaAX3-2016	DONGFENG-FENGSHENAX3-2016
Dongfeng - Fengshenax7-20152016	DONGFENG-FENGSHENAX7-20152016
Dongfeng-Fengshenax7-20132014	DONGFENG-FENGSHENS30-20132014
Dongfeng - FengshensCM7-2016 ~2018	DONGFENG-FENGXINGCM7-2016~2018
Dongfeng -- Fengfeng Jingyi -- 2010~2014	DONGFENG-FENGXINGJINGYI-2010~2014
Dongfeng - Fengfeng Jingyi S50-2016	DONGFENG-FENGXINGJINGYIS50-2016
Dongfeng - FengxingJingyi X3-20142016	DONGFENG-FENGXINGJINGYIX3-20142016
Dongfeng -- Fengfeng Lingzhi -- 2010	DONGFENG-FENGXINGLINGZHI-2010
Dongfeng -- Fengfeng Xinglingzhi -- 2012	DONGFENG-FENGXINGLINGZHI-2012
Dongfeng - Fengfeng Lingzhi M5-2012	DONGFENG-FENGXINGLINGZHIM5-2012
Dongfeng -- Fengfeng S500-20162017	DONGFENG-FENGXINGS500-20162017
Dongfeng - Fengfeng SX6-2016	DONGFENG-FENGXINGSX6-2016
Dongfeng-junfeng ER30-2016	DONGFENG-JUNFENGER30-2016

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Type of car	Car model code
Dongfeng -- Xiaokang C37-2012	DONGFENG-XIAOKANGC37-2012
Dongfeng - XiaokangFeng-2014	DONGFENG-XIAOKANGFENGGUANG-2014
Dongfeng - Xiaokang K05S-2016	DONGFENG-XIAOKANGK05S-2016(DONGFENG-XIAOKANGK01-2015)
Dongfeng - Xiaokang K07-2009	DONGFENG-XIAOKANGK07-2009
Dongfeng - XiaokangK07-2010 ~2015	DONGFENG-XIAOKANGK07-2010~2015(DONGFENG-XIAOKANGK17-2009)
Dongfeng - Xiaokang K07II-20072013	DONGFENG-XIAOKANGK07II-20072013
Dongfeng - XiaokangkV27-2011	DONGFENG-XIAOKANGV27-2011
Dongfeng - XiaokangV29-2012	DONGFENG-XIAOKANGV29-2012
Dongfeng -- Yufeng -- 2012~2016	DONGFENG-YUFENG-2012~2016(DONGFENG-YUFENGEV-2015)
Dongdong-delica -- 200820092014	DONGNAN-DELIKA-200820092014
Dongnan-DX7-20152016	DONGNAN-DX7-20152016
Dongnan -- Fulica -- 2010	DONGNAN-FULIKA-2010
Dongnan - Ryu Shuai -2005	DONGNAN-LINGSHUAI-2005
Dongnan-lingli - 2005	DONGNAN-LINLI
Dongnan-linli -V3 Rhombus -2010	DONGNAN-V3LINGYUE-2010
Dongnan-v3Lingyue-201020112014	DONGNAN-V3LINGYUE-201020112014
Dongnan-v5 Lingzhi-20142015	DONGNAN-V5LINGZHI-20142015
Dongnan -- V6 Rishi -- 2014	DONGNAN-V6LINGSHI-2014
Dongnan - Shiwan -2011	DONGNAN-XIWANG-2011
DS-5-2011~2015	DS-5-2011~2015-JINKOU
DS-5LS-2014~2016	DS-5LS-2014~2016
DS-6-2014~2017	DS-6-2014~2017
Ferrari -458-20112013	FALALI-458-20112013
Fiat-feixiang -- 2012~2015	FEIYATE-FEIXIANG-2012~2015
Fiat-palio -- 2004~2006	FEIYATE-PAILIAO-2004~2006
Fiat-Siena-2006	FEIYATE-XIYENA-2006
Fiat - Zhiyue -2014	FEIYATE-ZHIYUE-2014
Toyota-86-2017	FENGTIAN-86-2017
Toyota-Elpha-20102012	FENGTIAN-AIERFA-20102012
Toyota-Aierfa-2013	FENGTIAN-AIERFA-2013
Toyota-Aierfa-2015	FENGTIAN-AIERFA-2015-JINKOU

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Type of car	Car model code
Toyoda - Highlander -20112013	FENGTIAN-HANLANDA-20112013
Toyota-hanlanda -2013	FENGTIAN-HANLANDA-2013-ZIJINGBAN
Toyota-hanlanda -20152017	FENGTIAN-HANLANDA-20152017
Toyota -- Sequoia -- 2010	FENGTIAN-HONGSHAN-2010
Toyota - Corolla -20042007	FENGTIAN-HUAGUAN-20042007
Toyota - Corolla -20072009	FENGTIAN-HUAGUAN-20072009
Toyota - Corolla -2010	FENGTIAN-HUAGUAN-2010
Toyota - Corolla -2013	FENGTIAN-HUAGUAN-2013
Toyota - Crown -200520072012	FENGTIAN-HUANGGUAN-200520072012
Toyota - Crown -20102011	FENGTIAN-HUANGGUAN-20102011
Toyota - Crown -2015	FENGTIAN-HUANGGUAN-2015
Toyota - Camry -2000	FENGTIAN-JIAMEI-2000
Toyota-jiamei -2002	FENGTIAN-JIAMEI-2002
Toyota-jiluchi -2011	FENGTIAN-JIELUCHI-2011
Toyota - Camry -200220042005	FENGTIAN-KAIMEIRUI-200220042005
Toyota - Camry -2005	FENGTIAN-KAIMEIRUI-2005-JINKOU
Toyota - Camry -2006~2013	FENGTIAN-KAIMEIRUI-2006~2013
Toyota - Camry -2010	FENGTIAN-KAIMEIRUI-2010-HYBRID
Toyota - Camry -20122013	FENGTIAN-KAIMEIRUI-20122013
Toyota - Camry -20122015	FENGTIAN-KAIMEIRUI-20122015
Toyota - Corolla -2007$_{20092011}$2013	FENGTIAN-KALUOLA-2007$_{20092011}$2013
Toyota - Corolla -20162017	FENGTIAN-KALUOLA-20162017
Toyota-landcool Lutzer -- 2005	FENGTIAN-LANDEKULUZE-2005
Toyota-landekuluze -200820072010	FENGTIAN-LANDEKULUZE-200820072010
Toyota-landekuluze -20102012	FENGTIAN-LANDEKULUZE-20102012
Toyota-landekuluze -- 2016	FENGTIAN-LANDEKULUZE-2016
Toyoda - Leiling -2016201420142017	FENGTIAN-LEILING-2016201420142017
Toyota-land Patrol LC80-1995	FENGTIAN-LUXUNLC80-1995
Toyota-prado -2004	FENGTIAN-PULADUO-2004
Toyota - Prado -2010	FENGTIAN-PULADUO-2010
Toyota-prado -2014~2016	FENGTIAN-PULADUO-2014~2016

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Type of car	Car model code
Toyota-prado TX-2014~2016	FENGTIAN-PULADUOTX-2014~2016
Toyota - Prius -2012	FENGTIAN-PURUISI-2012
Toyota-puruisi -- 2006~2007	FENGTIAN-PURUIWEIYA-2006~2007
Toyota-rav4-2009 ~2012	FENGTIAN-RAV4-2009~2012
Toyota -RAV4-20132015	FENGTIAN-RAV4-20132015
Toyota -RAV4-2016	FENGTIAN-RAV4-2016
Toyota-reiz -2005~2009	FENGTIAN-RUIZHI-2005~2009
Toyota-reiz -20102009	FENGTIAN-RUIZHI-20102009
Toyota-reiz -2013	FENGTIAN-RUIZHI-2013
Toyota-sienna -2011~2015	FENGTIAN-SIENNA-2011~2015
Toyota-sienna -2016~2017	FENGTIAN-SIENNA-2016~2017
Toyota -- Tandu -- 20142016	FENGTIAN-TANTU-20142016
Toyota-vios -20042010	FENGTIAN-WEICHI-20042010
Toyota-vios -2008	FENGTIAN-WEICHI-2008
Toyota-vios -2013	FENGTIAN-WEICHI-2013
Toyota-vios -- 2014~2016	FENGTIAN-WEICHI-2014~2016
Toyota-yaris -- 20112008	FENGTIAN-YALISHI-20112008
Toyoda -YARiSL Zhihyun -20152016	FENGTIAN-YARISLZHIXUAN-20152016-GAIKUAN
Toyota-yatsui -- 2011~2015	FENGTIAN-YIZHI-2011~2015
Toyota Reishi - Reishi -2013	FENGTIANRUIZHI-RUIZHI-2013-HAIWAI
Fengtianruizhi - Pathfinder 6-2010	FUDI-TANLUZHE6-2010
Ford-focus -2005	FUTE-FUKESI-2005
Ford - Focus -20062007	FUTE-FUKESI-20062007-LIANGXIANG
Ford-focus -2011	FUTE-FUKESI-2011
Ford - Focus -2011- Import	FUTE-FUKESI-2011-JINKOU
Ford - Focus -2011- Hatchback	FUTE-FUKESI-2011-SANXIANG
Ford-focus -2012 Hatchback Comfort	FUTE-FUKESI-2012-SANXIANGSHUSHI
Ford - Focus -2013	FUTE-FUKESI-2013
Ford - Focus -20152018- Hatchback	FUTE-FUKESI-20152018-LIANGXIANG
Ford-focus -2015~2018	FUTE-FUKESI-2015~2018
Ford-fuaris -2015	FUTE-FURUISI-2015

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Type of car	Car model code
Ford - Fiesta -20092011- Hatchback	FUTE-JIANIANHUA-20092011-SANXIANG
Ford - Fiesta -20112012- Hatchback	FUTE-JIANIANHUA-20112012-LIANGXIANG
Ford-fiesta -2013	FUTE-JIANIANHUA-2013
Ford - Fiesta -20132014- Sanchon	FUTE-JIANIANHUA-20132014-SANXIANG
Ford -- Classic Quanshun -- 2009~2015	FUTE-JINGDIANQUANSHUN-2009~2015
Ford -- Classic Quanshun -- 2009~2015 -- Diesel	FUTE-JINGDIANQUANSHUN-2009~2015-CHAIYOU
Ford - Tauron -2005	FUTE-JINNIUXING-2005
Ford - Taurus -20152017	FUTE-JINNIUZUO-20152017
Ford-max -2008	FUTE-MAIKESI-2008
Ford-mondeo -2000	FUTE-MENGDIOU-2000
Ford-mondeo -200420052006	FUTE-MENGDIOU-200420052006
Ford-mondeo -20072008	FUTE-MENGDIOU-20072008
Ford-mondeo -2013	FUTE-MENGDIOU-2013
Ford - Mondeo -2017	FUTE-MENGDIOU-2017
Ford - Mondeo Wins -2007~2010	FUTE-MENGDIOUZHISHENG-2007~2010
Ford-mondeo Winning -- 20112012	FUTE-MENGDIOUZHISHENG-20112012
Ford - Raptor f150-20122013	FUTE-MENGQINF150-20122013
Ford -- Quanshun -- 2000	FUTE-QUANSHUN-2000
Ford - Quanshun -2017	FUTE-QUANSHUN-2017
Ford - Rui Jie -20112012	FUTE-RUIJIE-20112012
Ford - Ruijie -20152016	FUTE-RUIJIE-20152016
Ford - Explorer -201120162017	FUTE-TANXIANZHE-201120162017
Ford -- New Era All-Smooth -- 2009	FUTE-XINSHIDAIQUANSHUN-2009
Ford - New Era Quanshun -2013	FUTE-XINSHIDAIQUANSHUN-2013
Ford - Mustang -2015~2017	FUTE-YEMA-2015~2017
Ford - Wing-Beat -2013	FUTE-YIBO-2013
Ford-escape -2013	FUTE-YIHU-2013
Ford - Escape -2017	FUTE-YIHU-2017
Futian -- Scenic -- 20112012	FUTIAN-FENGJING-20112012
Futian -- Scenery G7 -- 2014~2016	FUTIAN-FENGJINGG7-2014~2016
Futian -- Scenery Fast -- 2012	FUTIAN-FENGJINGKUAIJIE-2012

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Type of car	Car model code
Futian - Monpeck E-2014	FUTIAN-MENGPAIKEE-2014
Futian - Mengpaikee-20112014	FUTIAN-MIDI-20112014
Futian - Tuyano -2015	FUTIAN-TUYANUO-2015
Trumpchi -GA3-20132014	GUANGQICHUANQI-GA3-20132014
Trumpchi -- GA3S Vision -- 20142016	GUANGQICHUANQI-GA3SSHIJIE-20142016
Trumpchi -GA5-20112012	GUANGQICHUANQI-GA5-20112012
Trumpchi -GA5 New Energy -2016	GUANGQICHUANQI-GA5XINNENGYUAN-2016
Trumpchi -GS5-2012~2014	GUANGQICHUANQI-GS5-2012~2014
Trumpchi -GS8-2017	GUANGQICHUANQI-GS8-2017
Gac Guio-Xinglong -- 2014	GUANGQIJIAO-XINGLANG-2014
Gac Jiao-Xingwang -- 20102012	GUANGQIJIAO-XINGWANG-20102012
Gac Geo-Xingwang GL-20102012	GUANGQIJIAO-XINGWANGCL-20102012
Qoros -5-20162017	GUANZHI-5-20162017
Ha Fei - Jun Yi -2010	HAFEI-JUNYI-2010
Hafei-lubao -- 20082011	HAFEI-LUBAO-20082011
Hafei-Lubao-20062008	HAFEI-MINYI-20062008
Haver -H1-2015	HAFU-H1-2015
Hafu-H1-2016	HAFU-H1-2016
Hafu-H2-20152017	HAFU-H2-20152017
Haval -H3-2009~2012	HAFU-H3-2009~2012
Hafu-H5-20152016	HAFU-H5-20152016
Hafu-H6-2013	HAFU-H6-2013
Hafu -H6-2013~2015- Sports	HAFU-H6-2013~2015-YUNDONG
Hafu-H6-20152016	HAFU-H6-20152016
Hafu-H6-2018	HAFU-H6-2018
Hafu-h6coupe -20172015	HAFU-H6COUPE-20172015-BLUE
Hafu-h7-2015 ~2017	HAFU-H7-2015~2017
Hafu-H9-2015	HAFU-H9-2015
Hafu-fumilai -2006	HAIMA-FUMEILAI-2006
Haima - Fumeilai -2006-GL	HAIMA-FUMEILAI-2006-GL
Haima -- Fumeilai -- 2011~2014	HAIMA-FUMEILAI-2011~2014

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Type of car	Car model code
Haima - Fumeilai -20122013	HAIMA-FUMEILAI-20122013
Haima -- Fumeilai -- 2014~2016	HAIMA-FUMEILAI-2014~2016
Haima - Fumeilai MPV-2017	HAIMA-FUMEILAIMPV-2017
Haima - FumeilaiMPV -20122009- Luxury	HAIMA-FUSHIDAHONGDA-20122009-HAOHUA
Haima -- Fushidahongda -- 2007~2010	HAIMA-HAIFUXING-2007~2010
Haima -- Haifuxing -- 2011	HAIMA-HAIFUXING-2011
Haima -M3-20132014	HAIMA-M3-20132014
Haima -M3-2016	HAIMA-M3-2016
Haima - Prima -2007	HAIMA-PULIMA-2007
Haima - Pulima -2010~2014	HAIMA-PULIMA-2010~2014
Haima - Knight -2013	HAIMA-QISHI-2013-LINGHANGXING
Haima - Cupital -20102015	HAIMA-QIUBITE-20102015
Haima -S5-2015	HAIMA-S5-2015
Haima -S7-2015	HAIMA-S7-2015
Hongqi -H7-20132015	HONGQI-H7-20132015
Hongqi-xinmingshi -2007	HONGQI-XINMINGSHI-2007
Huanghai - Qisheng F1-2012	HUANGHAI-QISHENGF1-2012
Huang Hai-QishengF1-2011	HUANGHAI-QISHENGV3-2011
Huapu - Hai Feng -2007	HUAPU-HAIFENG-2007
Huapu - Haifeng -2007	HUAPU-HAIYU-2007
Jianghuai -- Heyue -- 2010~2012	JIANGHUAI-HEYUE-2010~2012
Jianghuai - Heyue RS-2010~2012	JIANGHUAI-HEYUERS-2010~2012
Jianghuai -- M2-2013	JIANGHUAI-M2-2013
Jianghuai -M5-2016	JIANGHUAI-M5-2016
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -200720112012	JIANGHUAI-RUIFENG-200720112012
Jianghuai - Ruifeng -2012	JIANGHUAI-RUIFENG-2012
Jianghuai - Ruifeng M2-2010~2012	JIANGHUAI-RUIFENGM2-2010~2012
Jianghuai - RuifengM3-20152016	JIANGHUAI-RUIFENGM3-20152016
Jianghuai - Ruifeng M5-2012~2014	JIANGHUAI-RUIFENGM5-2012~2014
Jianghuai - Ruifengm5-2014 ~2016	JIANGHUAI-RUIFENGS3-2014~2016

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Type of car	Car model code
Jianghuai - RuifengS5-2013	JIANGHUAI-RUIFENGS5-2013
Jianghuai -- Ruifengs5 -- 2008~2013	JIANGHUAI-RUIYING-2008~2013
Jianghuai - Tongyue -2008~2013	JIANGHUAI-TONGYUE-2008~2011
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jiangling - Baowei -2009	JIANGLING-BAOWEI-2009
Jiangling -- Quanshun -- 0000	JIANGLING-QUANSHUN
Jiangling-shunda -2007	JIANGLING-SHUNDA-2007-ZAI
Jiangling - Shunda -2017	JIANGLING-SHUNTE-2017
Jiangling - Shunte -2017	JIANGLING-TESHUN-2017
Jiangling New Energy -- E200-2016	JIANGLINGXINNENGYUAN-E200-2016
Jaguar -FTYPE-20152016	JIEBAO-FTYPE-20152016
Jag -XE-20172018	JIEBAO-XE-20172018
Jag -XF-2011~2013	JIEBAO-XF-2011~2013
Jag -XF-2012~2015	JIEBAO-XF-2012~2015
Jag -XF-2015~2016	JIEBAO-XF-2015~2016
Jaguar -XJ-2010~2015	JIEBAO-XJ-2010~2015
Jiebao-king Kong -20062007	JILI-JINGANG-20062007
Jili-jingang -2006~2010- Hatchback	JILI-JINGANG-2006~2010-LIANGXIANG
Jili-us-japan -2006	JILI-MEIRI-2006
Jili -- Vision -- 2006~2010	JILI-YUANJING-2006~2010
Jili-yuanjing -- 2005~2007	JILI-ZIYOUJIAN-2005~2007
Jili-ziyoujian -- Kong -- 2010~2011	JILIYINGLUN-JINGANG-2010-2011(YINGLUN-JINGANG-2010-WUDI)
Jiliyinglun-jingang-fortune -2012	JILIYINGLUN-JINGANGCAIFU-2012
Jiliyinglun -- Jinying -- 20082010	JILIYINGLUN-JINYING-20082010
Geely English -SC3-2010	JILIYINGLUN-SC3-2010
Jiliyinglun -- SC7-20092011	JILIYINGLUN-SC7-20092011
Gold Cup -750-20152016	JINBEI-750-20152016
Jinbei - Greys -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2010	JINBEI-GERUISI-2010
Jinbei - Geruisi -2014	JINBEI-GERUISI-2014
Jinbei-geruisi -- 199920102014	JINBEI-HAISHI-199920102014

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Type of car	Car model code
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Gold Cup - Sea Lion -20112014	JINBEI-HAISHI-20112014-2
Jinbei-haishi -2014- Deluxe	JINBEI-HAISHI-2014-HAOHUA
Jinbei - Sea Lion Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Gold Cup - Sea Lion X30L-2016	JINBEI-HAISHIX30L-2016
Jinbei-haishix30l - 2016	JINBEI-HAIXINGA9-2011
Jinlong - Jinwei -2014	JINLONG-JINWEI-2014
Jeep-grand Cherokee -2014~2016	JIPU-DAQIENUOJI-2014~2016
Jeep-wrangler -2008~2015	JIPU-MUMAREN-2008~2015
Jeep - Commander -2008	JIPU-ZHIHUIGUAN-2008
Jipu - Guide -2007	JIPU-ZHINANZHE-2007
Jipu - Guide -2007~2016	JIPU-ZHINANZHE-2007~2016
Jipu - Guider -2017	JIPU-ZHINANZHE-2017
Jipu - Free Light -20142015	JIPU-ZIYOUGUANG-20142015
Jeep-freedom Passenger -2012~2015	JIPU-ZIYOUKE-2012~2015
Cadillac -ATSL-2014	KAIDILAKE-ATSL-2014
Cadillac-cts-2008 ~2010	KAIDILAKE-CTS-2008~2010-JINKUO
Cadillac -SLS -2010~2012	KAIDILAKE-SLSSAIWEI-2010~2012
Cadillac -SRX-2010~2015	KAIDILAKE-SRX-2010~2015
Cadillac -XTS-2013~2017	KAIDILAKE-XTS-2013~2017
Kairui -K50-20152017	KAIRUI-K50-20152017
Kairui - Elegant 2 Generation -2013	KAIRUI-YOUYA2DAI-2013
Kairui - Youyou 2Dai -2013	KAIRUI-YOUYOU2DAI-2013
Kandi -K10-2015	KANGDI-K10-2015
Kangdi-K11-2015	KANGDI-K11-2015
Kandi -K17-2016	KANGDI-K17-2016
Chrysler-300C-2004	KELAISILE-300C-2004
Lamborghini -Huracan-2016	LANBOJINI-HURACAN-2016
Rolls-Royce - Wraith -2013~2016	LAOSILAISI-MEIYIN-2013~2016
Lexus -CT-2011~2013	LEIKESASI-CT-2011~2013
Lexus -CT-2017	LEIKESASI-CT-2017

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Type of car	Car model code
Lexus -ES-2006~2012	LEIKESASI-ES-2006~2012
Lexus -ES-2013~2017	LEIKESASI-ES-2013~2017
Lexus -ES330-2005	LEIKESASI-ES330-2005
Lexus -GS-2004~2011	LEIKESASI-GS-2004~2011
Lexus -GX-201020122014	LEIKESASI-GX-201020122014
Lexus -IS-2006~2009	LEIKESASI-IS-2006~2009
Lexus -IS-20152017	LEIKESASI-IS-20152017
Lexus -IS350C-2010	LEIKESASI-IS350C-2010(LEIKESASI-IS300C-2009)
Rexas-LS-20072010	LEIKESASI-LS-20072010
Lexus -LS430-20042005	LEIKESASI-LS430-20042005
Lexus -LX570-2007~2012	LEIKESASI-LX570-2007~2012
Lexus -NX-20152016	LEIKESASI-NX-20152016
Lexus -RX-200420062007	LEIKESASI-RX-200420062007
Lexus -RX-2011~2014	LEIKESASI-RX-2011~2014
Lexus -RX-2016	LEIKESASI-RX-2016
Reno - Landscape -2004	LEINUO-FENGJING-2004
Leinuo -- Scenery -- 2011	LEINUO-FENGJING-2011
Leinuo -- Fengjing -- 2011~2015	LEINUO-FENGLANG-2011~2015
Renault - Correo -2009~2016	LEINUO-KELEIAO-2009~2016
Leinuo-megane -2006	LEINUO-MEIGANNA-2006
Leinuo - Jingyue -2009	LIANHUA-JINGYUE-2009
Lianhua -L3-2009	LIANHUA-L3-2009
Cheetah -CS10-2014~2016	LIEBAO-CS10-2014~2016
Cheetah -Q6	LIEBAO-Q6
Lifan -520-20102011	LIFAN-520-20102011
Lifan-620-2008 ~2012	LIFAN-620-2008~2012
Lifan - Wind Shun -2011	LIFAN-FENGSHUN-2011
Lifan - Xingshun -2011	LIFAN-XINGSHUN-2011
Lynk & Co - Lynk & Co 01-2017	LINGKE-LINGKE01-2017
Suzuki - Alto -20092010	LINGMU-AOTUO-20092010
Suzuki - Aotuo -20132015	LINGMU-AOTUO-20132015

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Type of car	Car model code
Suzuki - Big Dipper -2002	LINGMU-BEIDOUXING-2002
Suzuki - Beidouxing -2010~2012	LINGMU-BEIDOUXING-2010~2012
Suzuki -- Beidouxing -- 20132015	LINGMU-BEIDOUXING-20132015
Suzuki - Big Dipper X5-2013	LINGMU-BEIDOUXINGX5-2013
Suzuki - Super Vitra -20072008	LINGMU-CHAOJIWEITELA-20072008
Suzuki - Kaiser -20102011	LINGMU-KAIZEXI-20102011
Suzuki - Nandi -2007~2010	LINGMU-LANGDI-2007~2010
Suzuki - Oryx -2003	LINGMU-LINGYANG-2003
Suzuki - Antelope -20072009	LINGMU-LINGYANG-20072009
Suzuki - Liana -2008~2013	LINGMU-LIYANA-2008~2013
Suzuki - Naoyuki Tenyu -2011~2013	LINGMU-TIANYUSHANGYUE-2011~2013
Suzuki - Tianyu SX4-2006	LINGMU-TIANYUSX4-2006
Suzuki - Tianyusx4-20072009	LINGMU-TIANYUSX4-20072009
Suzuki - Tianyusx4-20112016	LINGMU-TIANYUSX4-20112016
Suzuki - Swift -2005~2010	LINGMU-YUYAN-2005~2010
Suzuki - Swift -2011	LINGMU-YUYAN-2011
Suzuki - Swift -2013~2016	LINGMU-YUYAN-2013~2016
Concept -S1-2011	LINIAN-S1-2011
Linian - Navigator -2005	LINKEN-LINGHANGYUAN-2005
Lincoln - Navigator -20142017	LINKEN-LINGHANGYUAN-20142017
Lincoln -MKC-2014~2016	LINKEN-MKC-2014~2016
Linken-MKX-20152017	LINKEN-MKX-20152017
Linken-mkz -2013~2016	LINKEN-MKZ-2013~2016
Land Wind - Mode -20062011	LUFENG-FENGSHANG-20062011
Lufeng-x5-2013 ~2016	LUFENG-X5-2013~2016
Lufeng-x6-2006 ~2011	LUFENG-X6-2006~2011
Land Wind -X7-2015	LUFENG-X7-2015
Land Wind -X8-2009~2015	LUFENG-X8-2009~2015
Land Rover -- Discovery -- 2010~2016	LUHU-FAXIAN-2010~2016
Land Rover -- Discovery -- 20162017	LUHU-FAXIANSHENXING-20162017
Land Rover - Range Rover -2011- Sport	LUHU-LANSHENG-2011-YUNDONG

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Type of car	Car model code
Land Rover - Range Rover -2012	LUHU-LANSHENG-2012
Land Rover - Range Rover -2014~2017	LUHU-LANSHENG-2014~2017
Land Rover - Range Rover -2014~2017- Sport	LUHU-LANSHENG-2014~2017-YUNDONG
Land Rover - Range Rover Evoque -2012~2017	LUHU-LANSHENGJIGUANG-2012~2017
Range Rover Sport -2010	LUHU-LANSHENGYUNDONGBAN-2010
Land Rover - Godwalker 2-2010~2015	LUHU-SHENXINGZHE2-2010~2015
Maserati -GHIBLI-2014~2017	MASHALADI-GHIBLI-2014~2017
Maserati -GRANTURISMO-2013	MASHALADI-GRANTURISMO-2013
Maserati -LEVANTE-2016	MASHALADI-LEVANTE-2016
Maserati - President -2008~2011	MASHALADI-ZONGCAI-2008~2011
Maserati - President -2013~2015	MASHALADI-ZONGCAI-2013~2015
Mazda-2-2007 ~2012- Hatchback	MAZIDA-2-2007~2012-LIANGXIANG
Mazda-2 Jinxiang -2008	MAZIDA-2JINXIANG-2008
Mazda-3-2003	MAZIDA-3-2003
Mazda-3-20042005	MAZIDA-3-20042005
Mazda-3-2006 ~2012	MAZIDA-3-2006~2012
Mazda-323-2005	MAZIDA-323-2005
Mazda-3 Encore -20142016- Hatchback	MAZIDA-3ANGKESAILA-20142016-LIANGXIANG
Mazda-3 Xingcheng -- 20112013	MAZIDA-3XINGCHENG-20112013
Mazda-3 XingCheng-2015 - Hatchback	MAZIDA-3XINGCHENG-2015-LIANGXIANG
Mazda-5-2008	MAZIDA-5-2008
Mazda-5 -2010~2013	MAZIDA-5-2010~2013
Mazda-6-2004 ~2008	MAZIDA-6-2004~2008
Mazda-6-20092011 - Imported	MAZIDA-6-20092011-JINKOU(MAZIDA-RUIYI-2009~2015)
Mazda-8-2011	MAZIDA-8-2011
Mazda-ATEzi-2014-20172018	MAZIDA-ATEZI-2014-20172018
Mazida-axela axela -- 2014	MAZIDA-AXELAANGKESAILA-2014
Mazida -axela Axela -2017	MAZIDA-AXELAANGKESAILA-2017
Mazda -CX4-20162018	MAZIDA-CX4-20162018
Mazda -CX5-20132015	MAZIDA-CX5-20132015

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Type of car	Car model code
Mazda -CX5-2017	MAZIDA-CX5-2017
Mazda -CX7-2014	MAZIDA-CX7-2014
Mazda - Pulma -2006	MAZIDA-PULIMA-2006
Mazda - Rui Wing -2009~2015- Coupe	MAZIDA-RUIYI-2009~2015-JIAOPAO
Mazida-RX8-2014	MAZIDA-RX8-2014
MG-3-20132014	MG-3-20132014
MG-3SW-20152016	MG-3SW-20152016
MG-5-2012	MG-5-2012
MG-6-2012	MG-6-2012
Mg-mg 7-2007~2010	MG-MINGJUE7-2007~2010
Mg-reiten -- 20152016	MG-RUITENG-20152016
Mg-ruiteng -- 2014~2016	MG-RUIXING-2014~2016
Mini -CLUBMAN-2013	MINI-CLUBMAN-2013
Mini -COOPER-2010	MINI-COOPER-2010
Mini -COOPER-2012	MINI-COOPER-2012
Mini -COOPER-2014~2017	MINI-COOPER-2014~2017
Mini -COUNTRYMAN-2011	MINI-COUNTRYMAN-2011
Mini -COUNTRYMAN-2016	MINI-COUNTRYMAN-2016
Natjet - Big 7SUV-2011201320142015	NAZHIJIE-DA7SUV-2011201320142015
Nazhijie -MASTERCEO-2013	NAZHIJIE-MASTERCEO-2013
Nazhijie -NA5-2015	NAZHIJIE-NA5-2015
Nazhijie-you6suv -2014~2016	NAZHIJIE-YOU6SUV-2014~2016
Opel-merina -2006	OUBAO-MAIRUINA-2006
Opel-jart -2007~2010	OUBAO-YATE-2007~2010
Acura -MDX-20072009	OUGE-MDX-20072009
Acura -MDX-2010	OUGE-MDX-2010
Kai Chen - Morrowind -2014	QICHEN-CHENFENG-2014
Qichen -D50-2014	QICHEN-D50-2014
Qichen -R50-2012~2015	QICHEN-R50-2012~2015
Qichen -T70X-2015	QICHEN-T70X-2015
Chery -A1-2007~2011	QIRUI-A1-2007~2011

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Type of car	Car model code
Chery -A3-2008~2012	QIRUI-A3-2008~2012
Chery -A3-2009~2012- Three-car	QIRUI-A3-2009~2012-SANXIANG
Qiri-irizer 3-2015	QIRUI-AIRUIZE3-2015
Chery - Airuize3 -2013	QIRUI-AIRUIZE7-2013
Chery - Airuize7E-2016	QIRUI-AIRUIZE7E-2016
Chery - Airuize7E -2015	QIRUI-AIRUIZEM7-2015
Chery - Son of the East -2006	QIRUI-DONGFANGZHIZI-2006
Chery - Son of the East CROSS-2009	QIRUI-DONGFANGZHIZICROSS-2009
Chery -- E3-20132015	QIRUI-E3-20132015
Chery -E5-2014	QIRUI-E5-2014
Qirui - Fengyun 2-20	QIRUI-FENGYUN2-20
Qirui - Fengyun2-2010	QIRUI-FENGYUN2-2010
Qirui-fengyun2-2013 ~2016	QIRUI-FENGYUN2-2013~2016
Chery -- Qiyun -- 2006	QIRUI-QIYUN-2006
Chery - Qiyun 1-2010~2012	QIRUI-QIYUN1-2010~2012
Chery - Qiyun2	QIRUI-QIYUN2-
Chery - Qiyun2 -212	QIRUI-QIYUN2-2012
Chery - Qiyun3-2010	QIRUI-QIYUN3-2010
Chery -QQ-2013	QIRUI-QQ-2013
Chery -QQ3-2004~2012	QIRUI-QQ3-2004~2012
Chery -QQ6-2007~2010	QIRUI-QQ6-2007~2010
Chery - Tigress -2011~2013	QIRUI-RUIHU-2011~2013
Chery - Ruihu 3-2009	QIRUI-RUIHU3-2009
Chery - Ruihu3-20142015	QIRUI-RUIHU3-20142015
Chery - Ruihu5-20142015	QIRUI-RUIHU5-20142015
Chery - Ruihu5-20162017	QIRUI-RUIHU5-20162017
Chery -- Youjin -- 20102012	QIRUI-YOUJIN-20102012
Kia - Furedi -2009~2012	QIYA-FURUIDI-2009-2012
Kia - Furuidi -2014	QIYA-FURUIDI-2014
Kia - Ka Wah -2006	QIYA-JIAHUA-2006
Kia - Jiahua -2005	QIYA-JIALE-2005

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Type of car	Car model code
Kia - Jiale -2007	QIYA-JIALE-2007
Kia - Jiale -2013	QIYA-JIALE-2013
Kia -K2-2012	QIYA-K2-2012
Kia-k2-2012 - Hatchback	QIYA-K2-2012-LIANGXIANG
Kia -K2-2015	QIYA-K2-2015
Kia-K3-2013	QIYA-K3-2013
Kia-K3-2016	QIYA-K3-2016
Kia-K4-2017	QIYA-K4-2017
Kia-K5-20112012	QIYA-K5-20112012
Kia-K5-20142015	QIYA-K5-20142015
Kia-K5-2016	QIYA-K5-2016-LUX
Kia-K5-2016	QIYA-K5-2016-PRM
Kia -KX3-2015	QIYA-KX3-2015
Kia-opheles -2004	QIYA-OUFEILAISI-2004
Kia - Reio -2007	QIYA-RUIOU-2007
Chia-cerato -20052010	QIYA-SAILATU-20052010
Chia-cerato -20082012	QIYA-SAILATU-20082012
Kiya - Sportage -2013200920112012	QIYA-SHIPAO-2013200920112012
Kia - Sorento -2012	QIYA-SUOLANTUO-2012
Kia - Suor -2010~2013	QIYA-XIOUER-2010~2013
Kia - Far Ship -2005	QIYA-YUANJIAN-2005
Kia - Zhirun -2011~2015	QIYA-ZHIPAO-2011~2015
Global Hawk -GC7-20122013	QUANQIUYING-GC7-20122013
Global Hawk -GX2-2012	QUANQIUYING-GX2-2012
Global Hawk -GX7-20122013	QUANQIUYING-GX7-20122013
Global Hawk -GX7-2015	QUANQIUYING-GX7-2015
Global Hawk -K17A-2016	QUANQIUYING-K17A-2016
Global Hawk - Panda -20102016	QUANQIUYING-XIONGMAO-20102016
Global Hawk -- Freedom Ship -- 20112012	QUANQIUYING-ZIYOUJIAN-20112012
Nissan -- Mien -- 2004	RICHAN-FENGDU-2004
Nissan - Qeshi -2011~2015	RICHAN-GUISHI-2011~2015

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Type of car	Car model code
Nissan - Energizer -2017	RICHAN-JINKE-2017
Nissan - Bluebird -2000- Import	RICHAN-LANNIAO-2000-JINKOU
Nissan - Blue Jays -2004	RICHAN-LANNIAO-2004
Nissan - Blue Bird -2004- Supreme	RICHAN-LANNIAO-2004-ZHIZUN
Nissan - Bluebird -2016	RICHAN-LANNIAO-2016
Nissan-lixil -20072010	RICHAN-LIWEI-20072010
Nissan-liwei -20082009	RICHAN-LIWEI-20082009
Nissan - Liwei -2013	RICHAN-LIWEI-2013
Nissan - Liwei -2015	RICHAN-LIWEI-2015
Nissan - Loulan -2015~2017	RICHAN-LOULAN-2015~2017
Nissan-marche -2010	RICHAN-MACHI-2010
Nissan -NV200-2010~2014	RICHAN-NV200-2010~2014
Nissan - Paladin -2004~2013	RICHAN-PALADING-2004~2013
Nissan-versa -20052006	RICHAN-QIDA-20052006
Nissan-versa -2008	RICHAN-QIDA-2008
Nissan-versa -2011~2014	RICHAN-QIDA-2011~2014
Nissan-versa -2016	RICHAN-QIDA-2016
Nissan - Qjun -200820102012	RICHAN-QIJUN-200820102012
Nissan -- Qijun -- 2014~2017	RICHAN-QIJUN-2014~2017
Nissan -- Ruiqi -- 2010	RICHAN-RUIQI-2010
Nissan - Shuai -2013	RICHAN-SHUAIKE-2013
Nissan - Teana -2004	RICHAN-TIANLAI-2004
Nissan - Teana -2008	RICHAN-TIANLAI-2008
Nissan - Teana -2008	RICHAN-TIANLAI-2008-XV
Nissan-teana -20102012	RICHAN-TIANLAI-20102012
Nissan - Teana -20112012	RICHAN-TIANLAI-20112012-XV
Nissan - Teana -2013~2015	RICHAN-TIANLAI-2013~2015
Nissan - Teana -2016	RICHAN-TIANLAI-2016
Nissan - Qashqai -2008	RICHAN-XIAOKE-2008
Nissan - Qashqai -2016	RICHAN-XIAOKE-2016
Nissan -- Sylphy -- 2006~2008	RICHAN-XUANYI-2006~2008

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Type of car	Car model code
Nissan-xuyi -- 20092012	RICHAN-XUANYI-20092012-JINGDIAN
Nissan -- Xuyi -- 20122014	RICHAN-XUANYI-20122014
Nissan -- Xuyi -- 2016	RICHAN-XUANYI-2016
Nissan -- Sunshine -- 2003	RICHAN-YANGGUANG-2003
Nissan -- Yangguang -- 2004	RICHAN-YANGGUANG-2004
Nissan -- Yangguang -- 2005	RICHAN-YANGGUANG-2005
Nissan -- Yangguang -- 2011~2015	RICHAN-YANGGUANG-2011~2015
Nissan -- Yida -- 2005	RICHAN-YIDA-2005
Nissan - Yida -2008	RICHAN-YIDA-2008
Nissan -ZN Van Pickup -2006	RICHAN-ZNXIANGSHICHE-2006
Roewe -350-2011~2014	RONGWEI-350-2011~2014
Rongwei-550-2008 ~2012	RONGWEI-550-2008~2012
Rongwei-550-20132014	RONGWEI-550-20132014(RONGWEI-E550-2016)
Roewe-750-2006 ~2010	RONGWEI-750-2006~2010
Rongwei-950-2015	RONGWEI-950-2015
Roewe -EI6-2017	RONGWEI-EI6-2017
Roewe-I6-20172018	RONGWEI-I6-20172018
Roewe-RX5-2016	RONGWEI-RX5-2016
Roewe-W5-20112013	RONGWEI-W5-20112013
Riich G5-2010~2012	RUIQI-G5-2010~2012
Ruiqi-X1-2012	RUIQI-X1-2012
Saab-Saab-9-2004	SABO-SAAB9-2004
Sabo-saab 95-2006	SABO-SAAB95-2006
Sabo-saad 9-2010	SABO-SAAD9-2010
Mitsubishi -- ASX Jinxuan -- 20112012	SANLING-ASXJINXUAN-20112012-JINKOU
Mitsubishi - Fengdith -2013	SANLING-FENGDISI-2013
Mitsubishi - Furica -2007	SANLING-FULIKA-2007
Mitsubishi - Golan -2009	SANLING-GELAN-2009
Mitsubishi - Grandi -2004~2009	SANLING-GELANDI-2004~2009
Mitsubishi - Jinhyun ASX-20112012	SANLING-JINXUANASX-20112012
Mitsubishi - Jinxuan ASX-20132015	SANLING-JINXUANASX-20132015

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Type of car	Car model code
Mitsubishi - Jinxuan ASX-2018	SANLING-JINXUANASX-2018
Mitsubishi - Junkaku -2008	SANLING-JUNGE-2008
Mitsubishi - Junge -20082011	SANLING-JUNGE-20082011
Mitsubishi - Lancer -2006	SANLING-LANSE-2006
Mitsubishi - Johnson -2004~2006	SANLING-LINGSHEN-2004~2006
Mitsubishi - Rhombus -2005	SANLING-LINGSHUAI-2005
Mitsubishi - Outlander -20042005	SANLING-OULANDE-20042005
Mitsubishi - Outlander -2007~2009	SANLING-OULANDE-2007~2009
Mitsubishi - Outlander -20132014	SANLING-OULANDE-20132014
Mitsubishi - Outlander -2016	SANLING-OULANDE-2016
Mitsubishi - Pajero -1996- Import	SANLING-PAJIELUO-1996-JINKOU
Mitsubishi - Pajieluo -2007~2011	SANLING-PAJIELUO-2007~2011-JINKOU
Mitsubishi - Pajieluo -2008	SANLING-PAJIELUO-2008
Mitsubishi - Pajieluo -2011	SANLING-PAJIELUO-2011
Mitsubishi -V5 Rhombochi -20152017	SANLING-V5LINGZHI-20152017
Mitsubishi -- Winged God -- 2010~2015	SANLING-YISHEN-2010~2015
SCION-FRS-20132016	SCION-FRS-20132016
Saic Maxus -G10-2013~2016	SHANGQIDATONG-G10-2013~2016
Shangqidatong-v80-2014 ~2017	SHANGQIDATONG-V80-2014~2017
Shangqidatong - Aiteng -20062007	SHUANGLONG-AITENG-20062007
Shuanglong -- Chairman -- 2004	SHUANGLONG-ZHUXI-2004
Subaru -- Outtiger -- 2010~2014	SIBALU-AOHU-2010~2014
Subaru - Aohu -2015~2017	SIBALU-AOHU-2015~2017
Subaru - Chipeng -20072008	SIBALU-CHIPENG-20072008
Subaru - Lion -2006	SIBALU-LISHI-2006
Subaru - Lishi -2010	SIBALU-LISHI-2010
Subaru - Lishi -2013	SIBALU-LISHI-2013
Subaru - Forester -20062007	SIBALU-SENLINREN-20062007
Subaru - Forester -2008~2012	SIBALU-SENLINREN-2008~2012
Subaru - Forester -2013~2017	SIBALU-SENLINREN-2013~2017
Subaru -XV-2012~2016	SIBALU-XV-2012~2016

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Type of car	Car model code
Skoda -- Hao Rui -- 2009~2013	SIKEDA-HAORUI-2009~2013
Skoda -- Jingrui -- 2008~2011	SIKEDA-JINGRUI-2008~2011
Skoda -- Jingrui -- 20122014	SIKEDA-JINGRUI-20122014
Skoda - Kodiak -20172018	SIKEDA-KEDIYAKE-20172018
Skoda -- Octavia -- 2007~2009	SIKEDA-MINGRUI-2007~2009
Skoda - Octavia -2010~2015	SIKEDA-MINGRUI-2010~2015
Skoda - Octavia -2016	SIKEDA-MINGRUI-2016
Skoda - Superpie -20162018	SIKEDA-SUPAI-20162018
Skoda - Rapid -20142016	SIKEDA-XINDONG-20142016
Skoda -- Xindong -- 2013~2016	SIKEDA-XINRUI-2013~2016
Skoda - Noti -2013	SIKEDA-YETI-2013-JINKOU
Skoda - Yeti -2014~2017	SIKEDA-YETI-2014~2017
Sikeda-yeti -20162017	SIWEI-X7-20162017
Smart -FORJEREMY-2013	SMART-FORJEREMY-2013
Smart -FORTWO-2009 to 2014	SMART-FORTWO-2009~2014
Smart -FORTWO-20162017	SMART-FORTWO-20162017
Denza - Denza -2017	TENGSHI-TENGSHI-2017
Tesla -MODELS-20142015	TESILA-MODELS-20142015
Tesla-ModelX-2016	TESILA-MODELX-2016
Volvo-C70-2008	WOERWO-C70-2008
Volvo-s40-2004 ~2006	WOERWO-S40-2004~2006
Volvo-s40-2007 ~2012	WOERWO-S40-2007~2012
Volvo-s60-2011 ~2014	WOERWO-S60-2011~2014
Volvo-s60l-2014 ~2014	WOERWO-S60L-2014~2017
Volvo-S80-2004	WOERWO-S80-2004
Volvo-S80-2006	WOERWO-S80-2006
Volvo-s80l-2009 ~2015	WOERWO-S80L-2009~2015
Volvo-S90L-2017	WOERWO-S90L-2017
Volvo-V40-201320152016	WOERWO-V40-201320152016
Volvo-v60-2011 ~2013	WOERWO-V60-2011~2013
Volvo-v60-2014 ~2016	WOERWO-V60-2014~2016

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Type of car	Car model code
Volvo-xc60-2011 - Imported	WOERWO-XC60-2011-JINKOU
Volvo-XC60-20152016	WOERWO-XC60-20152016(WOERWO-XC60-20142015-JINKOU)
Volvo-xc90-2007 ~2013	WOERWO-XC90-2007~2013
Wuling-hongtu -- 2009	WULING-HONGTU-2009
Wuling -- Wuling Hongguang -- 20102013	WULING-WULINGHONGGUANG-20102013
Wuling -- Wuling Hongguang -- 2013~2015	WULING-WULINGHONGGUANG-2013~2015
Wuling - Wuling Hongguang -2015	WULING-WULINGHONGGUANG-2015
Wuling - Wuling Hongguang -2016	WULING-WULINGHONGGUANG-2016
Wuling -- Wuling Rongguang -- 20112012	WULING-WULINGRONGGUANG-20112012
Wuling - Wuling Rongguang -20142015	WULING-WULINGRONGGUANG-20142015
Wuling - Wuling Rongguang V-2015	WULING-WULINGRONGGUANGV-2015
Wuling - Wuling Journey -2015	WULING-WULINGZHENGCHENG-2015
Wuling - Wuling Zhiguang -2005	WULING-WULINGZHIGUANG-2005
Wuling - Wuling Zhiguang -2010	WULING-WULINGZHIGUANG-2010-BIAOZHUN
Wuling - Wuling Zhiguang -2010	WULING-WULINGZHIGUANG-2010-SHIYONG
Wuling - Wuling Zhiguang -201020132014	WULING-WULINGZHIGUANG-201020132014
Isuzu -MU-2015	WUSHILING-MU-2015
Isuzu - Pickup -2009	WUSHILING-PIKA-2009
Hyundai - Fex -2015	XIANDAI-FEISI-2015-JINKOU
Xiandai - Grui -201320152016	XIANDAI-GERUI-201320152016
Xiandai-I30-2009	XIANDAI-I30-2009
Hyundai -IX25-2014~2015	XIANDAI-IX25-2014~2015
Hyundai -IX35-2010~2015	XIANDAI-IX35-2010~2015
Hyundai -IX35-20132015	XIANDAI-IX35-20132015
Hyundai - Genesis -20152016	XIANDAI-JIEENSI-20152016
Hyundai - Genesis 380GT-20062008	XIANDAI-JIEENSI380GT-20062008
Hyundai - Coolpad -2004	XIANDAI-KUPAI-2004
Hyundai - Langdong -2012201320152016	XIANDAI-LANGDONG-2012201320152016
Hyundai - Genesis Coolpad -20092010	XIANDAI-LAOENSIKUPAI-20092010-JINKOU
Xiandai - Leading -2016	XIANDAI-LINGDONG-2016
Hyundai -- Lingxiang -- 2009	XIANDAI-LINGXIANG-2009

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Type of car	Car model code
Hyundai - Meijia -2005	XIANDAI-MEIJIA-2005
Hyundai - Mingtu -201320142017	XIANDAI-MINGTU-201320142017
Hyundai - Mingtu -2009	XIANDAI-MINGYU-2009
Hyundai - Brand New Shengda -20132015	XIANDAI-QUANXINSHENGDA-20132015
Hyundai - All-New Tucson -2006	XIANDAI-QUANXINTUSHENG-2006
Hyundai - All-New Tucson -2015	XIANDAI-QUANXINTUSHENG-2015
Xiandai - Rui Feng -20032011	XIANDAI-RUIFENG-20032011
Hyundai - Ruina -20102014	XIANDAI-RUINA-20102014
Hyundai - Rui Yi -2014	XIANDAI-RUIYI-2014
Hyundai - Shengda -2011	XIANDAI-SHENGDA-2011
Hyundai - Santa Fe -2005	XIANDAI-SHENGDAFEI-2005-JINKOU
Hyundai - Sonata -20062008	XIANDAI-SUONATA-20062008
Hyundai - Sonata 8-2010~2015	XIANDAI-SUONATA8-2010~2015
Hyundai - Sonata 9-20152017	XIANDAI-SUONATA9-20152017
Hyundai - Tucson -20062009	XIANDAI-TUSHENG-20062009
Hyundai - Tucson -2013	XIANDAI-TUSHENG-2013
Hyundai - Tucson -2015	XIANDAI-TUSHENG-2015
Hyundai -Veloster - Tusheng -2015	XIANDAI-VELOSTERFEISI-2015
Xiandai - Velax -2009	XIANDAI-WEILAKESI-2009
Hyundai - New Shengda -2006	XIANDAI-XINSHENGDA-2006
Hyundai -- Xinshengda -- 2010~2012	XIANDAI-XINSHENGDA-2010~2012
Hyundai -- Xinshengda -- 20132015	XIANDAI-XINSHENGDA-20132015
Hyundai - Accent -20062008	XIANDAI-YASHENTE-20062008
Hyundai - Elantra -20042005	XIANDAI-YILANTE-20042005
Xiandai - Yilante -2007	XIANDAI-YILANTE-2007
Xiandai - Yilante -2011	XIANDAI-YILANTE-2011
Xiandai-yilante -- 20082010	XIANDAI-YUEDONG-20082010
Hyundai - Yuedong -201120152016	XIANDAI-YUEDONG-201120152016
Hyundai - Yuedong -2017	XIANDAI-YUEDONG-2017
Hyundai - Yuedong -2016	XIANDAI-YUENA-2016
Hyundai - Yuxiang -2006	XIANDAI-YUXIANG-2006

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Type of car	Car model code
Chevrolet -- Aveo -- 20112013	XUEFULAN-AIWEIOU-20112013-SANXIANG
Chevy - Aiweiou -2014	XUEFULAN-AIWEIOU-2014-SANXIANG
Chevy - Chuangku -20142016	XUEFULAN-CHUANGKU-20142016
Chevy - Chuangku -2017	XUEFULAN-CHUANGKU-2017
Xuefulan - Vista -20052006	XUEFULAN-JINGCHENG-20052006
Chevy - Jingcheng -2007~2013	XUEFULAN-JINGCHENG-2007~2013
Chevy Cruze -2009~2014	XUEFULAN-KELUZI-2009~2014
Chevy - Cruz -20132015	XUEFULAN-KELUZI-20132015-XIANBEI
Chevy - Cruze -2015	XUEFULAN-KELUZI-2015-JINGDIAN
Chevy - Cruze -20152016	XUEFULAN-KELUZI-20152016
Chevy - Cruze -20172018	XUEFULAN-KELUZI-20172018
Xuefulan-keluzi -20082010	XUEFULAN-KEPAQI-20082010-JINKOU
Xuefulan-kepaqi -2012~2014	XUEFULAN-KEPAQI-2012~2014
Chevrolet - Aveo -2005	XUEFULAN-LECHENG-2005
Chevrolet - Aveo -20082010	XUEFULAN-LECHENG-20082010
Chevy - Lecheng -2010	XUEFULAN-LECHI-2010
Xuefulan - Lechi -2006~2008	XUEFULAN-LEFENG-2006~2008
Chevy - Lefeng -20092010	XUEFULAN-LEFENG-20092010
Chevrolet Malibu -- 2012~2014	XUEFULAN-MAIRUIBAO-2012~2014
Chevrolet - Malibu -20162017	XUEFULAN-MAIRUIBAO-20162017
Chevrolet - Malibu XL-20162017	XUEFULAN-MAIRUIBAOXL-20162017
Chevy - Sail -20042005	XUEFULAN-SAIOU-20042005
Xuefulan-saiou -20102013	XUEFULAN-SAIOU-20102013-LIANGXIANG
Xuefulan-saiou -- 2010~2013	XUEFULAN-SAIOU-2010~2013
Xuefulan-saiou -2015	XUEFULAN-SAIOU-2015
Xuefulan - Surveyor -2017	XUEFULAN-TANJIEZHE-2017
Citroen - Elysee -20052007	XUETIELONG-AILISHE-20052007
Citroen - Elysee -20082010~2013	XUETIELONG-AILISHE-20082010~2013
Citroen - Elysee -2009- Hatchback	XUETIELONG-AILISHE-2009-LIANGXIANG
Citroen - Elysee -2014~2016	XUETIELONG-AILISHE-2014~2016
Citroen - Picasso -2007	XUETIELONG-BIJIASUO-2007

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Type of car	Car model code
Citroen -C2-2008~2012	XUETIELONG-C2-2008~2012
Citroen -C3XR-20152017	XUETIELONG-C3XR-20152017
Citroen -C4-2006	XUETIELONG-C4-2006
Citroen -C4L-2013~2015	XUETIELONG-C4L-2013~2015
Citroen -C5-2010~2012	XUETIELONG-C5-2010~2012
Citroen -C5-20132014	XUETIELONG-C5-20132014
Citroen - Fukang -2004~2007	XUETIELONG-FUKANG-2004~2007
Citroen - Triumph -2006~2011	XUETIELONG-KAIXUAN-2006~2011
Citroen - Sega -2008~2011- Hatchback	XUETIELONG-SHIJIA-2008~2011-LIANGXIANG
Citroen - Sega -2012~2016- Sanxiang	XUETIELONG-SHIJIA-2012~2016-SANXIANG
Citroen - Tiat -2017	XUETIELONG-TIANYI-2017
Infiniti -EX35-2008	YINGFEINIDI-EX35-2008
Infiniti -FX-2009	YINGFEINIDI-FX-2009
Infiniti -G37-2012	YINGFEINIDI-G37-2012-IPL
Infiniti -- G series -- 2010~2013	YINGFEINIDI-GXI-2010~2013
Infiniti -JX-20112013	YINGFEINIDI-JX-20112013
Infiniti -M-2011~2013	YINGFEINIDI-M-2011~2013
Infiniti -M35-20082009	YINGFEINIDI-M35-20082009
Infiniti -Q50L-20152016	YINGFEINIDI-Q50L-20152016
Infiniti -Q70L-2013	YINGFEINIDI-Q70L-2013
Infiniti -Q70L-20152017	YINGFEINIDI-Q70L-20152017
Infiniti -QX50-2015	YINGFEINIDI-QX50-2015
Infiniti -QX60-2014	YINGFEINIDI-QX60-2014
Infiniti -QX70-2013~2016	YINGFEINIDI-QX70-2013~2016
Yingfeinidi -- Seascape -- 2010~2012	YINGLUN-HAIJING-2010~2012
Yinglun-king Kong -2011~2013	YINGLUN-JINGANG-2011~2013
Yinglun-jingang -2014	YINGLUN-JINGANG-2014-CROSS
Yinglun-Jingang-20142015	YINGLUN-JINGANG-20142015
Yinglun-SX7-2013	YINGLUN-SX7-2013
Faw-pentium B30 -- 2014~2017	YIQI-BENTENGB30-2014~2017
Faw-pentium B50-20122013	YIQI-BENTENGB50-20122013

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Type of car	Car model code
Faw-pentium B50-20162018	YIQI-BENTENGB50-20162018
Faw-pentium B70-2011	YIQI-BENTENGB70-2011
Faw-pentium B70-2012	YIQI-BENTENGB70-2012
Faw-pentium B70-2014	YIQI-BENTENGB70-2014
Faw-pentium X80-2013~2016	YIQI-BENTENGX80-2013~2016
Faw-jiabao v70-2012	YIQI-JIABAOV70-2012
Faw-jiabao v80-2013	YIQI-JIABAOV80-2013
Faw-junpai d60-2015	YIQI-JUNPAID60-2015
Faw-senya M80-2009~2014	YIQI-SENYAM80-2009~2014
Faw-senya S80-2011~2014	YIQI-SENYAS80-2011~2014
Faw-senya S80-2015	YIQI-SENYAS80-2015
Faw-wilo -2004	YIQI-WEILE-2004
FAW-Weile-20082011	YIQI-WEIZHI-20082011
FAW-Weizhi-20092011	YIQI-WEIZHI-20092011-SANXIANG
FAW-Xiali-2006	YIQI-XIALI-2006
Iveco - Baodi -20122013	YIWEIKE-BAODI-20122013
Iveco - Triumphant -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -20122014	YIWEIKE-DEYI-20122014
Iveco - Torino -2009	YIWEIKE-DULING-2009
Iveco -turbodaily-2011	YIWEIKE-TURBODAILY-2011
Yu Sheng-S350-2013 ~2016	YUSHENG-S350-2013~2016
Zhonghua -H230-2012	ZHONGHUA-H230-2012
Zhonghua-H330-2013	ZHONGHUA-H330-2013
Zhonghua-H530-20112012	ZHONGHUA-H530-20112012
Zhonghua-h530-2014 ~2017	ZHONGHUA-H530-2014~2017
Zhonghua-junjie -- 20072010	ZHONGHUA-JUNJIE-20072010
Zhonghua-junjie CROSS-2010	ZHONGHUA-JUNJIECROSS-2010
Zhonghua - Junjiecross -20082009	ZHONGHUA-JUNJIEFRV-20082009
Zhonghua - JunjieFRV -2010	ZHONGHUA-JUNJIEFRV-2010
Zhonghua-junjiefrv -2009~2010	ZHONGHUA-JUNJIEFSV-2009~2011
Zhonghua-kubo -2007	ZHONGHUA-KUBAO-2007

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Type of car	Car model code
Zhonghua-V3-20152016	ZHONGHUA-V3-20152016
Zhonghua-V5-2012	ZHONGHUA-V5-2012
Zhonghua - Zunchi -2004~2008	ZHONGHUA-ZUNCHI-2004~2008
Zhonghua-zunchi 20092011	ZHONGHUA-ZUNCHI-20092011
Zhongshun - Century -2006	ZHONGSHUN-SHIJI-2006
Zhongshun - Shiji -2006	ZHONGSHUN-SHIJI-2006-2
Zhongtai -5008-2010	ZHONGTAI-5008-2010
Zotye - Damai X5-2015~2017	ZHONGTAI-DAMAIX5-2015~2017
Zhongtai-E20-2014	ZHONGTAI-E20-2014
Zhongtai-e200-2014 ~2017	ZHONGTAI-E200-2014~2017
Zhongtai-M300-20092010	ZHONGTAI-M300-20092010
Zhongtai-SR9-2017	ZHONGTAI-SR9-2017
Zhongtai-t600-2014 ~2017	ZHONGTAI-T600-2014~2017
Zhongtai-T600-2018	ZHONGTAI-T600-2018
Zhongtai-V10-20112012	ZHONGTAI-V10-20112012
Zhongtai-Z100-2013	ZHONGTAI-Z100-2013
Zhongtai-z300-2012 ~2014	ZHONGTAI-Z300-2012~2014
Zhongtai-Z300-2016	ZHONGTAI-Z300-2016
Zhongtai-Z500-20152016	ZHONGTAI-Z500-20152016(ZHONGTAI-Z560-2017)
Zhongzing-C3-20132014	ZHONGXING-C3-20132014

7.1.7 Blue Brand Bayonet Car Model

Type of vehicle	Car model code
Alfa Romeo-GiuliA-2017	AERFALUOMIOU-GIULIA-2017
Alfa Romeo -STELIO-2017	AERFALUOMIOU-STELIO-2017
Audi -A1-20132014	AODI-A1-20132014
Audi -A3-2010	AODI-A3-2010
Audi -A3-2012-JINKOU	AODI-A3-2012-JINKOU
Audi -A3-2014~2016-SPORTBACK	AODI-A3-2014~2016-SPORTBACK
Audi -A3-2015	AODI-A3-2015
Audi -A3-2017	AODI-A3-2017

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Type of vehicle	Car model code
Audi -A3-2017-LIMOUSINE	AODI-A3-2017-LIMOUSINE
Audi -A3-20172018	AODI-A3-20172018
Audi -A4-20062008	AODI-A4-20062008
Audi -A4-2007	AODI-A4-2007
Audi -A4L-201020112012	AODI-A4L-201020112012
Audi -A4L-201320152016	AODI-A4L-201320152016
Audi -A4L-2017	AODI-A4L-2017
Audi -A4QUATTRO-2017	AODI-A4QUATTRO-2017
Audi -A5-20082010	AODI-A5-20082010
Audi -A5-2012~2016-CABRIOLET	AODI-A5-2012~2016-CABRIOLET
Audi -A5-2017	AODI-A5-2017
Audi -A6-2004	AODI-A6-2004
Audi -A6L-200520062008	AODI-A6L-200520062008
Audi -A6L-2009~2011	AODI-A6L-2009~2011
Audi -A6L-2012~2016	AODI-A6L-2012~2016
Audi -A6L-20162017	AODI-A6L-20162017
Audi -A7-2012~2014	AODI-A7-2012~2014
Audi -A7-2017	AODI-A7-2017
Audi -A8-2008~2010	AODI-A8-2008~2010
Audi -A8-20112012	AODI-A8-20112012
Audi -A8-20122013	AODI-A8-20122013
Audi -A8-201420162017	AODI-A8-201420162017
Audi -A8L-20112012	AODI-A8L-20112012
Audi -A8L-201420162017	AODI-A8L-201420162017
Audi -Q3-20132015	AODI-Q3-20132015
Audi -Q3-20162017	AODI-Q3-20162017
Audi -Q5-20102012	AODI-Q5-20102012
Audi -Q5-20132015	AODI-Q5-20132015
Audi -Q7-20062007	AODI-Q7-20062007
Audi -Q7-2010~2015	AODI-Q7-2010~2015
Audi -Q7-2016	AODI-Q7-2016

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Type of vehicle	Car model code
Audi -Q7 New Energy -2017	AODI-Q7XINNENGYUAN-2017
Audy-r8-2010 ~2013	AODI-R8-2010~2013
Audi -RS3-2016	AODI-RS3-2016
Audi -RS4-20132014	AODI-RS4-20132014
Audi -RS5-2011	AODI-RS5-2012~2014
Audi -RS5-2014	AODI-RS5-2014
Audi -RS6-2016	AODI-RS6-2016
Audi -RS7-2014~2016	AODI-RS7-2014~2016
Audi -RSQ3-2012	AODI-RSQ3-2012
Audy-S3-2009	AODI-S3-2009
Audi -S3-2015	AODI-S3-2015
Audi -S3-2017	AODI-S3-2017
Audi -S4-2008	AODI-S4-2008
Audi -S4-2013	AODI-S4-2013
Audi -S5-2010	AODI-S5-2010
Audi -S5-20122015	AODI-S5-20122015
Audi -SQ5-2017	AODI-SQ5-2017
Audy-tt-2008 ~2012	AODI-TT-2008~2012
Audis -TT-2013~2015	AODI-TT-2013~2015
Audy-TT-2017	AODI-TT-2017
Aoxin -JAX5020XXCBEV-2015	AOXIN-JAX5020XXCBEV-2015
Aston Martin -RAPIDE-2010	ASIDUNMADING-RAPIDE-2010
Aston Martin -VANTAGE-2011	ASIDUNMADING-VANTAGE-2011
Babos - G-class -2013	BABOSI-GJI-2013
Bao Jun-310-2016	BAOJUN-310-2016
Baojun-510-2017	BAOJUN-510-2017
Bao Jun-560-20152016	BAOJUN-560-20152016
Bao Jun-610-2014	BAOJUN-610-2014
Baojun-630-2011 ~2014	BAOJUN-630-2011~2014
Baojun-730-20142015	BAOJUN-730-20142015
Bao Jun-730-20142015 -- BIAOZHUN	BAOJUN-730-20142015-BIAOZHUN

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Type of vehicle	Car model code
BaoJun-730-2016	BAOJUN-730-2016
Baojun-730-2017	BAOJUN-730-2017
Baojun-lechi -- 20102012	BAOJUN-LECHI-20102012
Bmw-116i-20122013 (BMW-120D-2012)	BAOMA-116I-20122013(BAOMA-120D-2012)
Baoma-118i-2015 ~2018	BAOMA-118I-2015~2018
Baoma-120i-200720082010 (BaOMA-130I-2008)	BAOMA-120I-200720082010(BAOMA-130I-2008)
BaOMa-120I-2011	BAOMA-120I-2011
Baoma-125i-2012	BAOMA-125I-2012
Baoma-1 Series -20162017	BAOMA-1XI-20162017
Baoma-1 Series M-2011	BAOMA-1XIM-2011
Baoma-220i-2016	BAOMA-220I-2016
Baoma-228I-20142015	BAOMA-228I-20142015
Baoma-2 Series -2016~2018	BAOMA-2XI-2016~2018
Bmw-2 Series M-20162017	BAOMA-2XIM-20162017
Baoma-316I-2015	BAOMA-316I-2015
Baoma-318I-2017	BAOMA-318I-2017
Baoma-320i-200520072008 (BaOMa-320I-2006 -JINKOU)	BAOMA-320I-200520072008(BAOMA-320I-2006-JINKOU)
Baoma-320i-2005 ~2008	BAOMA-320I-2005~2008
Baoma-320i-2009 ~2012(BaOMA-318I-20102011)	BAOMA-320I-2009~2012(BAOMA-318I-20102011)
BMW -320I-2015	BAOMA-320I-2015
Baoma-320igt-2013 ~2017	BAOMA-320IGT-2013~2017
BMW -320IGT-2017-M	BAOMA-320IGT-2017-M
Baoma-320li-2013 (BMW-328LI-20132014)	BAOMA-320LI-2013(BAOMA-328LI-20132014)
BMW -320LI-2014	BAOMA-320LI-2014
BMW -320LI-2016	BAOMA-320LI-2016
Baoma-325I-2005	BAOMA-325I-2005
BaomA-330I-2013	BAOMA-330I-2013
Baoma-330LI-2017	BAOMA-330LI-2017
Baoma-335LI-201320142015	BAOMA-335LI-201320142015
BaOMA-420I-20142016	BAOMA-420I-20142016
BaOMA-428I-2014	BAOMA-428I-2014

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Type of vehicle	Car model code
Baoma-4 Series -2015~2018	BAOMA-4XI-2015~2018
Baoma-520LI-2009	BAOMA-520LI-2009
Baoma-520li-2011 (BaOMA-523LI-2012)	BAOMA-520LI-2011(BAOMA-523LI-2012)
Baoma-520li-2014 ~2017	BAOMA-520LI-2014~2017
Baoma-525I-2004	BAOMA-525I-2004
Baoma-525li -2014~2017	BAOMA-525LI-2014~2017
BMW -5 Series -1995	BAOMA-5XI-1995
Baoma-5 Series -2018	BAOMA-5XI-2018
Bmw-5 Series GT-2011~2017	BAOMA-5XIGT-2011~2017
Baoma-5 Series M-2018	BAOMA-5XIM-2018
Baoma-640i-2016	BAOMA-640I-2016
Baoma-645CI-2004	BAOMA-645CI-2004
BMW -6 Series -2013	BAOMA-6XI-2013
BMW -7 Series -1998	BAOMA-7XI-1998
BMW -7 Series -2004	BAOMA-7XI-2004
Baoma-7 Series -200520072008	BAOMA-7XI-200520072008
BMW -7 Series -2009~2012	BAOMA-7XI-2009~2012
BMW -7 Series -20132014	BAOMA-7XI-20132014
BMW -7 Series -20162017	BAOMA-7XI-20162017
BMW -7 Series -2018	BAOMA-7XI-2018
BMW -7 Series M-2018	BAOMA-7XIM-2018
BMW -I3-20162017	BAOMA-I3-20162017
BMW -I8-2011~2017	BAOMA-I8-2011~2017
BMW -M140I-2017	BAOMA-M140I-2017
BMW -M3-2009~2013	BAOMA-M3-2009~2013
BMW -M3-2014~2017	BAOMA-M3-2014~2017
Baoma-m4-2014 ~2017	BAOMA-M4-2014~2017
Baoma-M5-2008	BAOMA-M5-2008
BMW -M5-2011~2016	BAOMA-M5-2011~2016
BMW -M6-2015	BAOMA-M6-2015
BMW -X1-20102012	BAOMA-X1-20102012

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Type of vehicle	Car model code
BMW -X1-20132014	BAOMA-X1-20132014
BMW -X1-20142015	BAOMA-X1-20142015
BMW -X1-20162018	BAOMA-X1-20162018
BMW -X3-2006	BAOMA-X3-2006
BMW -X3-2008	BAOMA-X3-2008
BMW -X3-20112012	BAOMA-X3-20112012
BMW -X3-2014	BAOMA-X3-2014
BMW -X3-20142016	BAOMA-X3-20142016
Baoma-X4-2014	BAOMA-X4-2014
BaOMa-X4-2014-28I	BAOMA-X4-2014-28I
BaOMa-X4M-2016	BAOMA-X4M-2016
BaOMa-X5-2004-3.0i	BAOMA - x 5-2004-3.0 I
Baoma-x5-2006 -3.0I	BAOMA - x 5-2006-3.0 I
BaOMa-X5-2008	BAOMA-X5-2008
BaOMA-X5-20092010	BAOMA-X5-20092010
BaOMA-X5-20112013	BAOMA-X5-20112013
BaOMA-X5-2014	BAOMA-X5-2014
BMW -X5-20142017	BAOMA-X5-20142017
BMW -X5M-2010	BAOMA-X5M-2010
BMW -X5M-2015	BAOMA-X5M-2015
BMW -X5M-2017	BAOMA-X5M-2017
BMW -X6-20082009	BAOMA-X6-20082009
BaOMA-X6-2013	BAOMA-X6-2013
BMW -X6-2014	BAOMA-X6-2014
BaOMa-X6-2017	BAOMA-X6-2017
Baoma-z4-2005 ~2007	BAOMA-Z4-2005~2007
BMW -Z4-2009~2012	BAOMA-Z4-2009~2012
Bao Qi-Jin Qi-2015	BAOQI-JINQI-2015
Gem - Fuxing - 4102-0000	BAOSHI-FUXING4102
Porsche-718-2016	BAOSHIJIE-718-2016
Porsche-911-2010	BAOSHIJIE-911-2010

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Type of vehicle	Car model code
Porsche -911-20132015	BAOSHIJIE-911-20132015
Porsche-911-2015	BAOSHIJIE-911-2015
Porsche-Boxster-2006	BAOSHIJIE-BOXSTER-2006
Porsche -BOXSTER-2009~2011	BAOSHIJIE-BOXSTER-2009~2011
Porsche -BOXSTER-2013	BAOSHIJIE-BOXSTER-2013
Porsche-cayman -- 2009~2012	BAOSHIJIE-CAYMAN-2009~2012
Porsche -CAYMAN-2013~2015	BAOSHIJIE-CAYMAN-2013~2015
Porsche - Cayenne -2006	BAOSHIJIE-KAYAN-2006
Porsche-cayenne -2007	BAOSHIJIE-KAYAN-2007
Porsche - Cayenne -2008	BAOSHIJIE-KAYAN-2008
Porsche - Cayenne -20102011	BAOSHIJIE-KAYAN-20102011
Porsche - Cayenne -2013~2016	BAOSHIJIE-KAYAN-2013~2016
Porsche-macans-2014 ~2017	BAOSHIJIE-MACANS-2014~2017
Porsche-panamera -- 20132015	BAOSHIJIE-PANAMERA-20132015
Porsche -PANAMERA-20142016	BAOSHIJIE-PANAMERA-20142016
Porsche -PANAMERA-2017-SPORTS	BAOSHIJIE-PANAMERA-2017-SPORTS
Borgward -BX5-20172018	BAOWO-BX5-20172018
Baowo-BX7-2016	BAOWO-BX7-2016
Beijing -- BJ20-2016	BEIJING-BJ20-2016
Beijing -- BJ40-20142016	BEIJING-BJ40-20142016
Beijing -- BJ5815P1-0000	BEIJING-BJ5815P1
Beijing -- Qiling -- 0000	BEIJING-QILING
Beijing -- Qiling -- 0000-BJ1040P1S4	BEIJING-QILING-0000-BJ1040P1S4
Beijing -- Qilong 2-0000	BEIJING-QILONG2
Beijing Auto - Saab D20-2015	BEIJINGQICHE-SHENBAOD20-2015
Beijing Auto - Saab D50-2014	BEIJINGQICHE-SHENBAOD50-2014
Beijing Auto -- Shenbaod50-2013	BEIJINGQICHE-SHENBAOD70-2013
Beijing Automotive -- Saab X25-20152017	BEIJINGQICHE-SHENBAOX25-20152017
Beijing Auto - Saab X35-2016	BEIJINGQICHE-SHENBAOX35-2016
Beijing Auto - Saab X55-2016	BEIJINGQICHE-SHENBAOX55-2016
Beijing Auto - Saab X65-2015	BEIJINGQICHE-SHENBAOX65-2015

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Type of vehicle	Car model code
Beiqi Daoda -V8-2017	BEIQIDAODA-V8-2017
Beiqidaoda -- H2-20152016	BEIQIHUANSU-H2-20152016
Beiqihuans-H2V-2016	BEIQIHUANSU-H2V-2016
Beiqihuans-H3-2015	BEIQIHUANSU-H3-2015
Beiqihuansu -H3-2016	BEIQIHUANSU-H3-2016
Beiqihuansu -S2-20142015	BEIQIHUANSU-S2-20142015
Beiqihuansu-S2-2016	BEIQIHUANSU-S2-2016
Beiqihuans-S3-2014	BEIQIHUANSU-S3-2014
Beiqihuansu -S6-20162017	BEIQIHUANSU-S6-20162017
Beiqihuansu-205-2013	BEIQIWEIWANG-205-2013
Beiqiweiwang-306-2011 ~2014	BEIQIWEIWANG-306-2011~2014
BeiqiWeiwang-M20-2014	BEIQIWEIWANG-M20-2014
BeiqiWeiwang-M20-2015-Jingji	BEIQIWEIWANG-M20-2015-JINGJI
Beiqiweiwang -- M30-2015	BEIQIWEIWANG-M30-2015
BeiqiWeiwang-S50-2016	BEIQIWEIWANG-S50-2016
Baic New Energy -- EC-2017	BEIQIXINNENGYUAN-EC-2017
Beiqixinneng-EU-20162017	BEIQIXINNENGYUAN-EU-20162017
Beiqixinneng-EU-2017	BEIQIXINNENGYUAN-EU-2017
Beiqixinneng-EU-2017-400	BEIQIXINNENGYUAN-EU-2017-400
Beiqixinneng-EV-20132014	BEIQIXINNENGYUAN-EV-20132014
Beiqixinneng-ev-20132014 (Beiqixinneng-E Series-2013)	BEIQIXINNENGYUAN-EV-20132014(BEIJINGQICHE-EXILIE-2013)
Beiqixinneng-EV-20152016	BEIQIXINNENGYUAN-EV-20152016
Beiqixinneng-EX-20162017	BEIQIXINNENGYUAN-EX-20162017
Baic Manufacturing -- Beijing BW007-2015	BEIQIZHIZHAO-BEIJINGBW007-2015
Benz -A180-20132015	BENCHI-A180-20132015
Benz -A200-2015	BENCHI-A200-2015
Benz -A260-2013	BENCHI-A260-2013
Benz -ACOUPE-2009	BENCHI-ACOUPE-2009
Bench-a-class AMG-2017	BENCHI-AJIAMG-2017
Benz -AMGS65L-2014	BENCHI-AMGS65L-2014
Benz -B180-2012	BENCHI-B180-2012

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Type of vehicle	Car model code
Benz -B200-2009	BENCHI-B200-2009
Bench-b200-20152017 (Bench-B180-2016)	BENCHI-B200-20152017(BENCHI-B180-2016)
Benz -B260-2013	BENCHI-B260-2013
Benz -C180-2013	BENCHI-C180-2013
Benz -C200-20112013	BENCHI-C200-20112013
Benz -C200-201520162017	BENCHI-C200-201520162017
Benz -C200K-2008	BENCHI-C200K-2008
Benz -C200L-2017	BENCHI-C200L-2017
Benz -C260-2010	BENCHI-C260-2010
Benz -C260-2011	BENCHI-C260-2011
Benz -C260CGI-20112013	BENCHI-C260CGI-20112013
Benz -C260L-2015	BENCHI-C260L-2015
Benz -C63-2014	BENCHI-C63-2014
Benz -CLA200-2017	BENCHI-CLA200-2017
Benz - CLA-220-2015	BENCHI-CLA220-2015
Benz -CLA220-20152016	BENCHI-CLA220-20152016
Benz -CLA Class AMG-2015	BENCHI-CLAJIAMG-2015
Benz -CLK300-2006	BENCHI-CLK300-2006
Benz -CLS260-20152017	BENCHI-CLS260-20152017
Benz -CLS300-2012	BENCHI-CLS300-2012
Benz -CLS300-2013	BENCHI-CLS300-2013
Mercedes-benz - CLS-Class AMG-2015	BENCHI-CLSJIAMG-2015
Benz -E180-2015	BENCHI-E180-2015
Benz -E200-2016	BENCHI-E200-2016
Benz-e200cgicoupe-2012 (BenZ-E260CGICOUPE-2012)	BENCHI-E200CGICOUPE-2012(BENCHI-E260CGICOUPE-2012)
Benz -E200K-2007	BENCHI-E200K-2007
Benz -E260-2010	BENCHI-E260-2010
Benz -E260-2011	BENCHI-E260-2011
Benz -E260-2013	BENCHI-E260-2013
Benz -E260L-2014	BENCHI-E260L-2014
Benz -E280-2007	BENCHI-E280-2007

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Type of vehicle	Car model code
Benz -E300-2011~2013-SHISHANG	BENCHI-E300-2011~2013-SHISHANG
Benz -E300L-20162017	BENCHI-E300L-20162017
Benz -E350-2013-JINKOU	BENCHI-E350-2013-JINKOU
Benz - E-Class -2017	BENCHI-EJI-2017
Mercedes-e-class AMG-2016~2018	BENCHI-EJIAMG-2016~2018
Benz -G500-2007	BENCHI-G500-2007
Benz -G500-2013~2015-JINKOU	BENCHI-G500-2013~2015-JINKOU
Benz -G650-2017	BENCHI-G650-2017
Benz -GL-2013-JIBEN	BENCHI-GL-2013-JIBEN
Bench-gla220-20152016 (Bench-GLA200-20152016)	BENCHI-GLA220-20152016(BENCHI-GLA200-20152016)
Benz -GLA260-2015	BENCHI-GLA260-2015
Benz -GLC260-2016	BENCHI-GLC260-2016
Benz -GLC260-2017	BENCHI-GLC260-2017
Benz -GLC300-2017	BENCHI-GLC300-2017
Benchi-gle-2015 ~2017	BENCHI-GLE-2015~2017
Benz -GLE400-2017	BENCHI-GLE400-2017
Benz -GLK2604MATIC-2015(Benz -GLK3004MATIC-2015)	BENCHI-GLK2604MATIC-2015(BENCHI-GLK3004MATIC-2015)
Benz -GLK300-2012	BENCHI-GLK300-2012
Benz -GLK3004MATIC-200820102012	BENCHI-GLK3004MATIC-200820102012
Benz -GLK3004MATIC-20112012	BENCHI-GLK3004MATIC-20112012
Benz -GLK3004MATIC-20132014-HAOHUA	BENCHI-GLK3004MATIC-20132014-HAOHUA
Benz - Maybach S-Class -2015-2017	BENCHI-MAIBAHESJI-2015-2017
Benz - Maybach S-Class -2018	BENCHI-MAIBAHESJI-2018
Benz -MB100-1998	BENCHI-MB100-1998
Benchi-ml-2005 ~2010	BENCHI-ML-2005~2010
Benz -ML-2010	BENCHI-ML-2010
Benchi-ML-201220142015	BENCHI-ML-201220142015
Benchi-r300-2009 ~2017	BENCHI-R300-2009~2017
Benz -R350-2007	BENCHI-R350-2007
Benz -R500-2006	BENCHI-R500-2006
Benz -S300L-2006	BENCHI-S300L-2006

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Type of vehicle	Car model code
Benz -S350-2004	BENCHI-S350-2004
Benz -S350L-2010~2012	BENCHI-S350L-2010~2012
Benz -S400L-2014~2017	BENCHI-S400L-2014~2017
Benz -S600-1993	BENCHI-S600-1993
Benz -S600L-2010	BENCHI-S600L-2010
Benz -SL350-2011	BENCHI-SL350-2011
Benz -SL500-2004	BENCHI-SL500-2004
Benz -SLK-200420102011	BENCHI-SLK-200420102011
Benz -SLK-2011	BENCHI-SLK-2011
Benz -V260-2016	BENCHI-V260-2016
Benz - Vito -2010	BENCHI-WEITING-2010
Benz -- Weiting -- 2011~2015	BENCHI-WEITING-2011~2015
Benz - Weiting -2016	BENCHI-WEITING-2016
Benchi-weiting -- 2011~2013	BENCHI-WEIYANUO-2011~2013
Benchi-weiyanuo -2014	BENCHI-WEIYANUO-2014
Galloping Horse -LT1082PB6E-0000	BENMA-LT1082PB6E
Pentium-b30 -2014~2017	BENTENG-B30-2014~2017
Pentium-B50-2009	BENTENG-B50-2009
Pentium-B50-2013	BENTENG-B50-2013
Pentium-b70-2006 ~2009	BENTENG-B70-2006~2009
Pentium-B70-2010	BENTENG-B70-2010
Pentium-garbo T51-2011	BENTENG-JIABAOT51-2011
Pentium-X80-2013	BENTENG-X80-2013
Honda-elisen -2012	BENTIAN-AILISHEN-2012
Honda-ailishen -2016	BENTIAN-AILISHEN-2016
Honda-odyssey -2002	BENTIAN-AODESAI-2002
Honda-odyssey -2007	BENTIAN-AODESAI-2007
Honda-odyssey -2008	BENTIAN-AODESAI-2008
Honda-odyssey -20092013	BENTIAN-AODESAI-20092013
Honda-odyssey -2011	BENTIAN-AODESAI-2011
Honda-odyssey -20152017	BENTIAN-AODESAI-20152017

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Type of vehicle	Car model code
Honda-odyssey -2017	BENTIAN-AODESAI-2017
Honda-binzhi -2015~2017	BENTIAN-BINZHI-2015~2017
Honda-CRV-20042005	BENTIAN-CRV-20042005
Honda-CRV-2006	BENTIAN-CRV-2006
Honda-CRV-2007	BENTIAN-CRV-2007
Honda-CRV-2010	BENTIAN-CRV-2010
Honda-CRV-2013	BENTIAN-CRV-2013
Honda-CRV-2015	BENTIAN-CRV-2015
Honda-CRV-2017	BENTIAN-CRV-2017
Honda-fit -2003	BENTIAN-FEIDU-2003
Honda-fit -2004	BENTIAN-FEIDU-2004
Honda-fit -2007	BENTIAN-FEIDU-2007
Honda-fit -2008	BENTIAN-FEIDU-2008
Honda-fit -2011	BENTIAN-FEIDU-2011
Honda-fit -20142016	BENTIAN-FEIDU-20142016
Honda-fit -20142016-SHUSHI	BENTIAN-FEIDU-20142016-SHUSHI
Honda-fit -2008-1.3MT	BENTIAN - FEIDU1.3 MT - 2008
Honda - Feng Fan -2008	BENTIAN-FENGFAN-2008
Honda - Fengfan -2011	BENTIAN-FENGFAN-2011
Honda - Fengfan -2012	BENTIAN-FENGFAN-2012
Honda - Fengfan -20152017	BENTIAN-FENGFAN-20152017
Honda-gurry -2016	BENTIAN-GERUI-2016
Honda - Gerui -2012	BENTIAN-GESHITU-2012
Honda - Geshitu -20142016	BENTIAN-GESHITU-20142016
Honda-guandao -2017	BENTIAN-GUANDAO-2017
Honda -HRV-2013	BENTIAN-HRV-2013
Honda -INSIGHT-2013	BENTIAN-INSIGHT-2013
Honda-jed -2013~2016	BENTIAN-JIEDE-2013~2016
Honda-jiede -2014	BENTIAN-JIEDE-2014
Honda - Jingrui -2017	BENTIAN-JINGRUI-2017
Honda - Ling Pai -20132015	BENTIAN-LINGPAI-20132015

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Type of vehicle	Car model code
Honda - Lingpai -2016	BENTIAN-LINGPAI-2016
Honda -- Idea -- 2014	BENTIAN-LINIAN-2014
Honda - Concept S1-2011	BENTIAN-LINIANS1-2011
Honda - Shi Yun -2004	BENTIAN-SHIJUN-2004
Honda-spirex -2009	BENTIAN-SIBORUI-2009
Honda-siborui -2013	BENTIAN-SIBORUI-2013
Honda-siborui -2014	BENTIAN-SIBORUI-2014
Honda-siborui -20152017	BENTIAN-SIBORUI-20152017
Honda - Siborui -2006	BENTIAN-SIDI-2006
Honda-sidi -2007	BENTIAN-SIDI-2007
Honda-siming -2012	BENTIAN-SIMING-2012
Honda-civic -2008	BENTIAN-SIYU-2008
Honda-civic -2009	BENTIAN-SIYU-2009
Honda-civic -20122013	BENTIAN-SIYU-20122013
Honda-civic -2014	BENTIAN-SIYU-2014
Honda-civic -2016	BENTIAN-SIYU-2016
Honda -URV-2017	BENTIAN-URV-2017
Honda -XRV-2015	BENTIAN-XRV-2015
Honda-accord -1995	BENTIAN-YAGE-1995
Honda-accord -2002	BENTIAN-YAGE-2002
Honda-accord -2006	BENTIAN-YAGE-2006
Honda-accord -2007	BENTIAN-YAGE-2007
Honda-accord -2008	BENTIAN-YAGE-2008
Honda-accord -20092010	BENTIAN-YAGE-20092010
Honda-accord -20122013	BENTIAN-YAGE-20122013
Honda-accord -2014	BENTIAN-YAGE-2014
Honda - Accord -20142015	BENTIAN-YAGE-20142015
Honda-accord -2015(Honda-Yage-2014-3.0)	BENTIAN YAGE - 2015 (BENTIAN - YAGE - 2014-3.0)
Honda-accord -2016	BENTIAN-YAGE-2016
Honda-accord -2016-2.0L	BENTIAN - YAGE - 2016-2.0 L
Honda-accord -2016-2.4L	BENTIAN - YAGE - 2016-2.4 L

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Type of vehicle	Car model code
Peugeot -2008-2015	BIAOZHI-2008-2015
Peugeot -206-2004~2008	BIAOZHI-206-2004~2008
Peugeot -207-2011	BIAOZHI-207-2011
Peugeot -3008-20112012-JINKOU	BIAOZHI-3008-20112012-JINKOU
Peugeot -3008-2013	BIAOZHI-3008-2013
Peugeot -3008-2016	BIAOZHI-3008-2016
Peugeot -301-20142016	BIAOZHI-301-20142016
Peugeot -307-2004	BIAOZHI-307-2004
Peugeot -307-2009~2013	BIAOZHI-307-2009~2013
Peugeot -308-2012	BIAOZHI-308-2012
Peugeot -308-2014	BIAOZHI-308-2014
Peugeot -308-2016	BIAOZHI-308-2016
Peugeot -308S-2015	BIAOZHI-308S-2015
Peugeot -4008-2013	BIAOZHI-4008-2013
Peugeot -4008-2017	BIAOZHI-4008-2017
Peugeot -408-2011	BIAOZHI-408-2011
Peugeot -408-2013	BIAOZHI-408-2013
Peugeot -408-2014~2018	BIAOZHI-408-2014~2018
Peugeot -5008-2017	BIAOZHI-5008-2017
Peugeot -508-2013	BIAOZHI-508-2013
Peugeot -508-20152016	BIAOZHI-508-20152016
Buick - Encore -20132014	BIEKE-ANGKELA-20132014
Buick - Encore -2016~2018	BIEKE-ANGKELA-2016~2018
Buick - Enclave -2009	BIEKE-ANGKELEI-2009
Buick - Envision -2015	BIEKE-ANGKEWEI-2015
Buick -GL8-20032005	BIEKE-GL8-20032005
Buick -GL8-20052006-LUZUN	BIEKE-GL8-20052006-LUZUN
Buick -GL8-20052007	BIEKE-GL8-20052007
Buick -GL8-2011	BIEKE-GL8-2011
Buick -GL8-2013	BIEKE-GL8-2013
Buick -GL8-2017-25S	BIEKE-GL8-2017-25S

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Type of vehicle	Car model code
Buick -GL8-2017-28T	BIEKE-GL8-2017-28T
Buick - Regal -1999	BIEKE-JUNWEI-1999
Buick - Regal -20042005	BIEKE-JUNWEI-20042005
Buick - Regal -20092013	BIEKE-JUNWEI-20092013
Buick - Regal -2015	BIEKE-JUNWEI-2015
Buick - Regal -2017	BIEKE-JUNWEI-2017
Buick - Regal GS-2013	BIEKE-JUNWEIGS-2013
Buick - Lacrosse -20062008	BIEKE-JUNYUE-20062008
Buick - Lacrosse -2009	BIEKE-JUNYUE-2009
Buick - Lacrosse -2013	BIEKE-JUNYUE-2013
Buick - Lacrosse -2016	BIEKE-JUNYUE-2016
Buick - Kaiyue -20042007	BIEKE-KAIYUE-20042007
Buick - Kaiyue -2006	BIEKE-KAIYUE-2006
Buick - Kaiyue -20082011	BIEKE-KAIYUE-20082011
Buick - Kaiyue -2013	BIEKE-KAIYUE-2013
Buick - Kaiyue -2015	BIEKE-KAIYUE-2015
Buick Excelle HRV-2005	BIEKE-KAIYUEHRV-2005
Buick - Boulevard -2007~2010	BIEKE-LINYINDADAO-2007~2010
Buick Sail -2003~2004	BIEKE-SAIOU-2003~2004
Buick - Century -1996	BIEKE-SHIJI-1996
Buick - Century -1996-2	BIEKE-SHIJI-1996-2
Buick -VELITE5-2017	BIEKE-VELITE5-2017
Buick - Velite5 -20152017	BIEKE-WEILANG-20152017
Buick - Weilang -2016	BIEKE-WEILANG-2016
Buick - Weilang GS-2016	BIEKE-WEILANGGS-2016
Buick - Inlong -20152017	BIEKE-YINGLANG-20152017
Buick - Yinglang -2018	BIEKE-YINGLANG-2018
Buick -- Yinglang GT -- 2010~2013	BIEKE-YINGLANGGT-2010~2013
Buick - Yinglanggt-20122013	BIEKE-YINGLANGGT-20122013
Buick -- YinglangXT-2010 ~2014	BIEKE-YINGLANGXT-2010~2014
Bentley - Continental -2014	BINLI-OULU-2014

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Type of vehicle	Car model code
Bentley - Continental -2015~2017	BINLI-OULU-2015~2017
Bentley - Tim Yue -2016	BINLI-TIANYUE-2016
Binli -T5-2017	BISU-T5-2017
BYD-E5-20162017	BIYADI-E5-20162017
BiYadi-E6-2012	BIYADI-E6-2012
Byd-e6-2014 ~2017	BIYADI-E6-2014~2017
BYD-F0-20122013	BIYADI-F0-20122013
BiYADI-F0-2015	BIYADI-F0-2015
BYD-F3-20122013	BIYADI-F3-20122013
BYD-F3-2015	BIYADI-F3-2015
BYD-F3R-200820092011	BIYADI-F3R-200820092011
BiYADI-F6-2011	BIYADI-F6-2011
Byd-g3-2010 ~2013	BIYADI-G3-2010~2013
BiYadi-G5-2014	BIYADI-G5-2014
BYD-G6-2013	BIYADI-G6-2013
BYD-L3-2013	BIYADI-L3-2013
BYD-M6-20102011	BIYADI-M6-20102011
BiYADI-M6-2013	BIYADI-M6-2013
BYD-M6-2015	BIYADI-M6-2015
Byd - Qin -2012~2016	BIYADI-QIN-2012~2016
Biyadi-qin -2017	BIYADI-QIN-2017
BYD-S6-2012	BIYADI-S6-2012
BYD-S6-2014	BIYADI-S6-2014
BYD-S7-2015	BIYADI-S7-2015
BYD-S7-20152016	BIYADI-S7-20152016
Byd-suirui -2013	BIYADI-SIRUI-2013
Byd - Song -2016	BIYADI-SONG-2016
Byd-suirui -2014	BIYADI-SURUI-2014
Byd-surui -2015	BIYADI-SURUI-2015
Byd-don -2015	BIYADI-TANG-2015
Byd-tang -20152017	BIYADI-TANG-20152017

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Type of vehicle	Car model code
Biyadi-yuan -- 2015	BIYADI-YUAN-2015
Bugatti - Weihang -2014	BUJIADI-WEIHANG-2014
Changan - Benben -2014	CHANGAN-BENBEN-2014
Changan-benben EV-20172018	CHANGAN-BENBENEV-20172018
Changan-benben-i-2006 (Changan-Benbenlove-2010)	CHANGAN-BENBENI-2006(CHANGAN-BENBENLOVE-2010)
Changan-Benben-I-2007	CHANGAN-BENBENI-2007
Changan-benben LOVEMT-2010	CHANGAN-BENBENLOVEMT-2010
Changan-benbenlovemt MINI-20102011	CHANGAN-BENBENMINI-20102011
Changan-benben-mini -2012	CHANGAN-BENBENMINI-2012
Changan - Changan Starlight -2007-SHANGYONG	CHANGAN-CHANGANXINGGUANG-2007-SHANGYONG
Changan-changanxingguang - 4500-2007-SHANGYONG	CHANGAN-CHANGANXINGGUANG4500-2007-SHANGYONG
Changan-changanxingguang4500-2012 -- SHANGYONG	CHANGAN-CHANGANXINGGUANG4500-2012-SHANGYONG
Changan -- Changan Xingka -- 2012	CHANGAN-CHANGANXINGKA-2012
Changan -- Changan Xingka -- 20132015	CHANGAN-CHANGANXINGKA-20132015
Changan -- Changan Star -- 2003 -- SHANGYONG	CHANGAN-CHANGANZHIXING-2003-SHANGYONG
Changan - Changan Star -2009-SHANGYONG	CHANGAN-CHANGANZHIXING-2009-SHANGYONG
Changan - Changan Star -2013-SHANGYONG	CHANGAN-CHANGANZHIXING-2013-SHANGYONG
Changan - Changan Star 2-2009-SHANGYONG	CHANGAN-CHANGANZHIXING2-2009-SHANGYONG
Changan-changanzhixing2-2012 -SHANGYONG	CHANGAN-CHANGANZHIXING2-2012-SHANGYONG
Changan-Changanzhixing2-2015	CHANGAN-CHANGANZHIXING3-2015
Changan-Changanzhixing3-2015	CHANGAN-CHANGANZHIXING9-2015
Changan - Changan Star S460-2009-SHANGYONG	CHANGAN-CHANGANZHIXINGS460-2009-SHANGYONG
Changan-ChanganzhixingsSC6363a-2007	CHANGAN-CHANGANZHIXINGSC6363A-2007
Changan-changanzhixingsc6378a4s-2009 -SHANGYONG	CHANGAN-CHANGANZHIXINGSC6378A4S-2009-SHANGYONG
Changan-cm8-2004 -SHANGYONG	CHANGAN-CM8-2004-SHANGYONG
Changan-CS15-2016	CHANGAN-CS15-2016
Changan-cs35-2012 ~2017	CHANGAN-CS35-2012~2017
Changan-CS35-2014	CHANGAN-CS35-2014
Changan-CS55-2017	CHANGAN-CS55-2017
Changan-CS75-2014	CHANGAN-CS75-2014
Changan-CS95-2017	CHANGAN-CS95-2017

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Type of vehicle	Car model code
Changan-CX20-2011	CHANGAN-CX20-2011
Changan-CX20-2014	CHANGAN-CX20-2014
Changan-cx70-2016 (Changan-CX70-2017-SHOUdong)	CHANGAN-CX70-2016(CHANGAN-CX70-2017-SHOUDONG)
Changan-leap-king -2017	CHANGAN-KUAYUEWANG-2017
Changan-leimon -- 2005	CHANGAN-LEIMENG-2005
Changan-leimeng -- 2017	CHANGAN-LINXUAN-2017
Changan-liwei -- 20132017	CHANGAN-OULIWEI-20132017
Changan-ouliwei -- 20142015	CHANGAN-OULIWEI-20142015
Changan-ouliwei EV-2017	CHANGAN-OULIWEIEV-2017
Changan-ouliweiev -2012-SHANGYONG	CHANGAN-OUNUO-2012-SHANGYONG
Changan-ounuo -2014-SHANGYONG	CHANGAN-OUNUO-2014-SHANGYONG
Changan-ounuo -20152017-SHANGYONG	CHANGAN-OUNUO-20152017-SHANGYONG
Changan-ounuo Commercial Vehicle -- 2012 -- SHANGYONG	CHANGAN-OUNUOSHANGWUCHE-2012-SHANGYONG
Changan-auchan -20152016	CHANGAN-OUSHANG-20152016
Changan-oushang -- 2013	CHANGAN-RUICHENG-2013
Chang 'an -- Rucheng -- 2017	CHANGAN-RUICHENG-2017
Changan-ruhang M70-2016	CHANGAN-RUIXINGM70-2016
Changan-ruixing M80-2014	CHANGAN-RUIXINGM80-2014
Chang 'an - Shenqi -2012-SHANGYONG	CHANGAN-SHENQI-2012-SHANGYONG
Changan - Shenqi -2014-SHANGYONG	CHANGAN-SHENQI-2014-SHANGYONG
Changan-shenqi - F30-2016	CHANGAN-SHENQIF30-2016
Changan-shenqif30 -- 2013	CHANGAN-SHENTONGXIAOCHE-2013
Changan-v5-2013 -SHANGYONG	CHANGAN-V5-2013-SHANGYONG
Changan - New Leopard -2011	CHANGAN-XINBAO-2011
Changan-xinbao 2DAI-2014	CHANGAN-XINBAO2DAI-2014
Changan-xinbao MINI-2016	CHANGAN-XINBAOMINI-2016
Changan-xinbaomini -- 2007	CHANGAN-XINGKA-2007
Changan - Xun Long -2009-SHANGYONG	CHANGAN-XUNLONG-2009-SHANGYONG
Changan-xunlong -2010-SHANGYONG	CHANGAN-XUNLONG-2010-SHANGYONG
Changan-xunlong -- 2014~2016	CHANGAN-YIDONG-2014~2016

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Type of vehicle	Car model code
Changan-yidong -- 20152016	CHANGAN-YIDONG-20152016
Changan-escape New Energy -- 2016	CHANGAN-YIDONGXINNENGYUAN-2016
Changan-yuexiang -- 20092010	CHANGAN-YUEXIANG-20092010
Changan-yuexiang -- 2012	CHANGAN-YUEXIANG-2012
Changan-yuexiang -- 2015	CHANGAN-YUEXIANG-2015
Changan-yuexiang V3-2012	CHANGAN-YUEXIANGV3-2012
Changan-YuexiangV5-2012	CHANGAN-YUEXIANGV5-2012
Changan-YuexiangV7-2015	CHANGAN-YUEXIANGV7-2015
Changan-YuexiangV2007	CHANGAN-YUNTONG-2007
Changan-zhishang XT-2013	CHANGAN-ZHISHANGXT-2013
Changan-ZhishangxT-2009	CHANGANKUAYUE-WEIBAO-2009
Changan Auchan - Changan Star 7-2014	CHANGANOUSHANG-CHANGANZHIXING7-2014
Changan Auchan - Taurus Star -20112013	CHANGANOUSHANG-JINNIUXING-20112013
The Great Wall -- C20R-2013	CHANGCHENG-C20R-2013
The Great Wall -C30-20102012	CHANGCHENG-C30-20102012
The Great Wall -C30-2013	CHANGCHENG-C30-2013
The Great Wall -C30-2014	CHANGCHENG-C30-2014
The Great Wall -C30-2015	CHANGCHENG-C30-2015
The Great Wall -C30-2016	CHANGCHENG-C30-2016
Great Wall -- C30 New Energy -- 2017	CHANGCHENG-C30XINNENGYUAN-2017
The Great Wall -- C50-20122013	CHANGCHENG-C50-20122013
The Great Wall -C50-2014	CHANGCHENG-C50-2014
The Great Wall - Feng Jun 3-2011	CHANGCHENG-FENGJUN3-2011
The Great Wall - Fengjun 5-20122014	CHANGCHENG-FENGJUN5-20122014
The Great Wall - Fengjun5-2013	CHANGCHENG-FENGJUN5-2013
The Great Wall - Fengjun 5-2017	CHANGCHENG-FENGJUN5-2017
The Great Wall - Fengjun 6-2014	CHANGCHENG-FENGJUN6-2014
The Great Wall - Fengjun 6-2017	CHANGCHENG-FENGJUN6-2017
Great Wall - Haval H3-2006	CHANGCHENG-HAFUH3-2006
Great Wall - Haval H3-2007	CHANGCHENG-HAFUH3-2007
Great Wall - Hafuh3-2007-2	CHANGCHENG-HAFUH3-2007-2

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Type of vehicle	Car model code
Great Wall - Hafuh3-2012	CHANGCHENG-HAFUH3-2012
Great Wall - Haval H5-2010	CHANGCHENG-HAFUH5-2010
Great Wall - Haval H5-2010-2	CHANGCHENG-HAFUH5-2010-2
Changcheng - Haval H5-2012-OUFENG	CHANGCHENG-HAFUH5-2012-OUFENG
Great Wall - Haval H5-2013	CHANGCHENG-HAFUH5-2013
Great Wall - Haval H6-2011	CHANGCHENG-HAFUH6-2011
Great Wall - Haval H6-2014	CHANGCHENG-HAFUH6-2014
Changcheng - Jindir -2005	CHANGCHENG-JINDIER-2005
The Great Wall - Genie -2008	CHANGCHENG-JINGLING-2008
Great Wall - Cool Bear -2009	CHANGCHENG-KUXIONG-2009
Great Wall - Kuxiong -20092010	CHANGCHENG-KUXIONG-20092010
The Great Wall - Ling Ao -2010	CHANGCHENG-LINGAO-2010
The Great Wall -M1-2010	CHANGCHENG-M1-2010
The Great Wall -M2-2010	CHANGCHENG-M2-2010
The Great Wall -M2-20122013	CHANGCHENG-M2-20122013
The Great Wall -M4-2013	CHANGCHENG-M4-2013
The Great Wall -M4-20142015	CHANGCHENG-M4-20142015
Great Wall - Selling Motorhome -2009	CHANGCHENG-SAILINGFANGCHE-2009
The Great Wall - SailingFangche -2004	CHANGCHENG-SAIYING-2004
Great Wall - Tengyi V80-2011	CHANGCHENG-TENGYIV80-2011
The Great Wall -V80-2011~2013	CHANGCHENG-V80-2011~2013
The Great Wall -- Xuan Li -- 2009	CHANGCHENG-XUANLI-2009
The Great Wall - Xuanli -2011	CHANGCHENG-XUANLI-2011
Changhe - Aidier -2004	CHANGHE-AIDIER-2004
Changhe - Aidier -20062011	CHANGHE-AIDIER-20062011
Changhe -- Freda -- 2009~2014	CHANGHE-FURUIDA-2009~2014
Changhe -M50-2014	CHANGHE-M50-2014
Changhe -M50-2015	CHANGHE-M50-2015
Changhe -Q35-2016	CHANGHE-Q35-2016
Success-X1-2014	CHENGGONG-X1-2014
Dacia -DACIALOGAN-2017	DACIA-DACIALOGAN-2017

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Type of vehicle	Car model code
Daihatsu - Tree -2007	DAFA-TERUI-2007
Dodgers - Kubo - 2009-2011	DAOQI-KUBO-2009~2011
Daoqi-kuwei -2009-JINKOU	DAOQI-KUWEI-2009-JINKOU
Daoqi-kuwei -2013	DAOQI-KUWEI-2013
Dodge - Challenger -2015	DAOQI-TIAOZHANZHE-2015
Datsun -MIDO-2014	DATSUN-MIDO-2014
Dayun-Opuli-0000	DAYUN-AOPULI
Dayun-aopuli -DYX5040-0000	DAYUN-DYX5040
Dayun - Good Luck -0000	DAYUN-JIYUN
Volkswagen - Bora -2004	DAZHONG-BAOLAI-2004
Volkswagen - Bora -2006	DAZHONG-BAOLAI-2006
Volkswagen - Bora -2009	DAZHONG-BAOLAI-2009
Volkswagen - Bora -2012	DAZHONG-BAOLAI-2012
Volkswagen -- Bora -- 2012 -- CHAOZHI	DAZHONG-BAOLAI-2012-CHAOZHI
Volkswagen - Bora -2014	DAZHONG-BAOLAI-2014
Volkswagen - Bora -2014-2	DAZHONG-BAOLAI-2014-2
Volkswagen - Bora -2014-SPORTLINE	DAZHONG-BAOLAI-2014-SPORTLINE
Volkswagen - Bora -20162017	DAZHONG-BAOLAI-20162017
Volkswagen -CC-2009~2012	DAZHONG-CC-2009~2012
Volkswagen -CC-2013~2018	DAZHONG-CC-2013~2018
Dazhong - Gower -2002	DAZHONG-GAOER-2002
Volkswagen - Golf -2004	DAZHONG-GOLF-2004
Dazhong - Golf -201020112012	DAZHONG-GOLF-201020112012
Dazhong - Golf -2014~2016	DAZHONG-GOLF-2014~2016
Volkswagen - Golf -2016-RLINE	DAZHONG-GOLF-2016-RLINE
Dazhong - Golf GTI-20122016	DAZHONG-GOLFGTI-20122016
Volkswagen -- Phaeton -- 2011~2013	DAZHONG-HUITENG-2011~2013
Volkswagen - Phaeton -2015	DAZHONG-HUITENG-2015
Volkswagen-jetta-2011 (Volkswagen-SUTENg-20132014)	DAZHONG-JETTA-2011(DAZHONG-SUTENG-20132014)
Volkswagen -JETTA-2014	DAZHONG-JETTA-2014

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Type of vehicle	Car model code
Volkswagen - Beetle -2006	DAZHONG-JIAKECHONG-2006
Volkswagen - Beetle -2012~2015	DAZHONG-JIAKECHONG-2012~2015
Volkswagen - Beetle -20172018	DAZHONG-JIAKECHONG-20172018
Volkswagen - Jetta -19982005	DAZHONG-JIEDA-19982005
Volkswagen -- Jetta -- 20002006~2008	DAZHONG-JIEDA-20002006~2008
Volkswagen-jetta -- 2010~2012	DAZHONG-JIEDA-2010~2012
Volkswagen - Jetta -20132015-SHISHANG	DAZHONG-JIEDA-20132015-SHISHANG
Volkswagen - Jetta -20132016	DAZHONG-JIEDA-20132016
Volkswagen - Keluway -20142015	DAZHONG-KAILUWEI-20142015
Dazhong - Kailuwei -20152017	DAZHONG-LANGXING-20152017
Volkswagen - Lavida -2008	DAZHONG-LANGYI-2008
Volkswagen - Lavida -2011	DAZHONG-LANGYI-2011
Volkswagen - Lavida -2012~2014-FENGSHANG	DAZHONG-LANGYI-2012~2014-FENGSHANG
Dazhong - Lavida -2012~2014-SHUSHIHAOHUA	DAZHONG-LANGYI-2012~2014-SHUSHIHAOHUA
Volkswagen - Lavida -2015	DAZHONG-LANGYI-2015
Volkswagen - Lavida -2015-FENGSHANG	DAZHONG-LANGYI-2015-FENGSHANG
Dazhong - Lavida -2015~2017	DAZHONG-LANGYI-2015~2017
Dazhong - Lamdo -20152017	DAZHONG-LINGDU-20152017
Volkswagen - Magotan -2009	DAZHONG-MAITENG-2009
Volkswagen - Maiteng -201220132015	DAZHONG-MAITENG-201220132015
Volkswagen-maiteng -- 2017	DAZHONG-MAITENG-2017
Volkswagen - Maiteng -20122014	DAZHONG-MAITEWEI-20122014
Volkswagen - Passat -20002005	DAZHONG-PASATE-20002005
Dazhong - Passat -2011~2015-ZHIZUN	DAZHONG-PASATE-2011~2015-ZHIZUN
Dazhong - Passat -2011~2015-ZUNRONG	DAZHONG-PASATE-2011~2015-ZUNRONG
Volkswagen - Passat -20162017	DAZHONG-PASATE-20162017
Dazhong -PASSAT Drive -20052007	DAZHONG-PASSATLINGYU-20052007
Dazhong -PASSAT Drive -2011	DAZHONG-PASSATLINGYU-2011
Volkswagen -POLO-2004	DAZHONG-POLO-2004
Volkswagen -POLO-20072008	DAZHONG-POLO-20072008

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Type of vehicle	Car model code
Volkswagen -POLO-20072009	DAZHONG-POLO-20072009
Volkswagen -POLO-2009	DAZHONG-POLO-2009
Volkswagen -POLO-2011	DAZHONG-POLO-2011
Volkswagen -POLO-2011- Import	DAZHONG-POLO-2011-JINQU
Volkswagen -POLO-2012-GTI	DAZHONG-POLO-2012-GTI
Volkswagen -POLO-2013-FENGSHANG	DAZHONG-POLO-2013-FENGSHANG
Dazhong -POLO-20142016	DAZHONG-POLO-20142016
Dazhong -POLO-20142016-FENGSHANG	DAZHONG-POLO-20142016-FENGSHANG
Dazhong -POLOCROSS-2007	DAZHONG-POLOCROSS-2007
Volkswagen -POLOCROSS-2014	DAZHONG-POLOCROSS-2014
Volkswagen - Santana -1998	DAZHONG-SANGTANA-1998
Volkswagen - Santana -20042007	DAZHONG-SANGTANA-20042007
Volkswagen - Santana -2013	DAZHONG-SANGTANA-2013
Volkswagen - Santana -2015	DAZHONG-SANGTANA-2015
Volkswagen - Santana -2017	DAZHONG-SANGTANA-2017
Dazhong - Santana Zhijun -2006	DAZHONG-SANGTANAZHIJUN-2006
Dazhong - Santana Zhijun -200620082010	DAZHONG-SANGTANAZHIJUN-200620082010
Dazhong - Sangtanazhijun Santana -2008	DAZHONG-SANGTANAZHIJUN-2008
Volkswagen - Scirocco -2009~2014	DAZHONG-SHANGKU-2009~2014
Dazhong - Shangku -20152016	DAZHONG-SHANGKU-20152016
Dazhong -- Sagitar -- 2006~2011	DAZHONG-SUTENG-2006~2011
Volkswagen-suteng -- 20122014	DAZHONG-SUTENG-20122014
Volkswagen-suteng -2015	DAZHONG-SUTENG-2015
Volkswagen - Touran -2005	DAZHONG-TUAN-2005
Volkswagen - Touan -2008	DAZHONG-TUAN-2008
Volkswagen - Touan -2013~2015	DAZHONG-TUAN-2013~2015
Volkswagen - Touran -2017	DAZHONG-TUANG-2017
Volkswagen - Tiguan -2009	DAZHONG-TUGUAN-2009
Volkswagen - Tiguan -2012	DAZHONG-TUGUAN-2012
Volkswagen - Tiguan -2013~2017	DAZHONG-TUGUAN-2013~2017
Volkswagen - Tiguan L-2017	DAZHONG-TUGUANL-2017

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Type of vehicle	Car model code
Volkswagen - Touareg -2010	DAZHONG-TURUI-2010
Volkswagen - Touareg -20112014	DAZHONG-TURUI-20112014
Volkswagen - Touareg -20162017	DAZHONG-TURUI-20162017
Dazhong -- Weiling -- 2017	DAZHONG-WEILING-2017
Dazhong - Sharan -2012~2017	DAZHONG-XIALANG-2012~2017
Electric coffee -- EV10-2018	DIANKA-EV10-2018
Emgrand - Bo Rui -20152016	DIHAO-BORUI-20152016
Emgrand - Boyue -2016	DIHAO-BOYUE-2016
Emgrand - Emgrand -2016	DIHAO-DIHAO-2016
Emgrand - Emgrand -2017	DIHAO-DIHAO-2017
Emgrand - Emgrand EV-2016	DIHAO-DIHAOEV-2016
Emgrand - Emgrand EV-2017	DIHAO-DIHAOEV-2017
Emgrand -EC7-2012	DIHAO-EC7-2012
Emgrand -EC7-2013	DIHAO-EC7-2013
Emgrand -EC7RV-2010	DIHAO-EC7RV-2010
Emgrand -EC8-20112013	DIHAO-EC8-20112013
Emgrand -GL-2017	DIHAO-GL-2017
Emgrand -GS-20142016	DIHAO-GS-20142016
Emgrand -GS-20162017-YUNDONG	DIHAO-GS-20162017-YUNDONG
Emgrand -GX7-2015	DIHAO-GX7-2015
Emgrand - Haoqing SUV-2014	DIHAO-HAOQINGSUV-2014
Emgrand - Kong -20162017	DIHAO-JINGANG-20162017
Emgrand - Vista -2015	DIHAO-YUANJING-2015
Emgrand -- Vista -- 20152016	DIHAO-YUANJING-20152016
Emgrand - Vista -2017	DIHAO-YUANJING-2017
Emgrand -- Vista -- 2018	DIHAO-YUANJING-2018
Emgrand - Vision S1-2018	DIHAO-YUANJINGS1-2018
Emgrand - Vision SUV-2016	DIHAO-YUANJINGSUV-2016
Emgrand - Vision X1-2017	DIHAO-YUANJINGX1-2017
Emgrand - Vision X3-2017	DIHAO-YUANJINGX3-2017
Dongfeng - Dongfeng Jinka-0000	DONGFENG-DONGFENGJINKA

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Type of vehicle	Car model code
Dongfeng -- Dongfeng Pickup -- 2006	DONGFENG-DONGFENGPIKA-2006
Dongfeng - Dorika -0000	DONGFENG-DUOLIKA
Dongfeng - Dolica -20102011(Dongfeng -DONGFENGZHIXING)	DONGFENG-DUOLIKA-20102011(DONGFENG-DONGFENGZHIXING)
Dongfeng -- Mien -- 2007 -- AODING	DONGFENG-FENGDU-2007-AODING
Dongfeng -- Grace -- 2010 -- SHUAIKE	DONGFENG-FENGDU-2010-SHUAIKE
Dongfeng - Grace MX5-2016	DONGFENG-FENGDUMX5-2016
Dongfeng - Grace MX6-20152016	DONGFENG-FENGDUMX6-20152016
Dongfeng-Fengfeng360-2015	DONGFENG-FENGGUANG360-2015
Dongfeng - Fengguang 370-2016	DONGFENG-FENGGUANG370-2016
Dongfeng - Fengguang 580-20162017	DONGFENG-FENGGUANG580-20162017
Dongfeng -- Fengshen A30-2014	DONGFENG-FENGSHENA30-2014
Dongfeng -- Fengshena60-2012 -- ZUNGUI	DONGFENG-FENGSHENA60-2012-ZUNGUI
Dongfeng - Fengshena60-2014	DONGFENG-FENGSHENA60-2014
Dongfeng - Fengshena60-2016	DONGFENG-FENGSHENA60-2016
Dongfeng - FengshenA60EV-2015	DONGFENG-FENGSHENA60EV-2015
Dongfeng - FengshenA60EV-2016	DONGFENG-FENGSHENA60EV-2016
Dongfeng - Fengshena9-2016	DONGFENG-FENGSHENA9-2016
Dongfeng - Fengshena9-2016	DONGFENG-FENGSHENAX3-2016
Dongfeng - Fengshenax4-2017	DONGFENG-FENGSHENAX4-2017
Dongfeng - FengshenAX7-2015	DONGFENG-FENGSHENAX7-2015
Dongfeng -- Fengshenax-E30-20152016	DONGFENG-FENGSHENE30-20152016
Dongfeng - FengsheneH30-20102011	DONGFENG-FENGSHENH30-20102011
Dongfeng-Fengshenh30-2012	DONGFENG-FENGSHENH30-2012
Dongfeng - Fengshenh30-2013	DONGFENG-FENGSHENH30-2013
Dongfeng-fengshenh30 -- 2015	DONGFENG-FENGSHENL60-2015
Dongfeng - FengshenlS30-2014	DONGFENG-FENGSHENS30-2014
Dongfeng - FengshensCM7-2016 ~2018	DONGFENG-FENGXINGCM7-2016~2018
Dongfeng -- Fengfeng Jingyi -- 2010~2014	DONGFENG-FENGXINGJINGYI-2010~2014
Dongfeng -- FengxingJingyi -- 2011	DONGFENG-FENGXINGJINGYI-2011
Dongfeng - FengxingJingyi LV-2011	DONGFENG-FENGXINGJINGYILV-2011

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Type of vehicle	Car model code
Dongfeng - Fengfeng Jingyi S50-2016	DONGFENG-FENGXINGJINGYIS50-2016
Dongfeng - FengxingJingyi X3-2014	DONGFENG-FENGXINGJINGYIX3-2014
Dongfeng - FengxingJingyi X3-2016	DONGFENG-FENGXINGJINGYIX3-2016
Dongfeng - FengxingJingyi X5-2013	DONGFENG-FENGXINGJINGYIX5-2013
Dongfeng - FengxingJingyi X5-2017	DONGFENG-FENGXINGJINGYIX5-2017
Dongfeng -- Fengfeng Lingzhi -- 2010	DONGFENG-FENGXINGLINGZHI-2010
Dongfeng -- Fengfeng Lingzhi -- 20102013	DONGFENG-FENGXINGLINGZHI-20102013
Dongfeng -- Fengfeng Xinglingzhi -- 2012	DONGFENG-FENGXINGLINGZHI-2012
Dongfeng -- Fengfeng Xinglingzhi -- 2018	DONGFENG-FENGXINGLINGZHI-2018
Dongfeng - Fengfeng Lingzhi M3-2015~2017	DONGFENG-FENGXINGLINGZHIM3-2015~2017
Dongfeng - Fengfeng Lingzhi M5-2012	DONGFENG-FENGXINGLINGZHIM5-2012
Dongfeng - Fengfeng Lingzhi M5-2013	DONGFENG-FENGXINGLINGZHIM5-2013
Dongfeng -- Fengfeng S500-20162017	DONGFENG-FENGXINGS500-20162017
Dongfeng - Fengfeng SX6-2016	DONGFENG-FENGXINGSX6-2016
Dongfeng - Furica -0000	DONGFENG-FURUIKA
Dongfeng - Jinka -0000	DONGFENG-JINKA
Dongfeng - Jinyong -0000	DONGFENG-JINYONG
Dongfeng-junfeng CV03-2012	DONGFENG-JUNFENGCV03-2012
Dongfeng-JunfengER30-2016	DONGFENG-JUNFENGER30-2016
Dongfeng-Capt-0000	DONGFENG-KAIPUTE
Dongfeng - Ruiqi Pickup truck -2007	DONGFENG-RUIQIPIKA-2007
Dongfeng-Ruiqipika-2015	DONGFENG-RUIQIPIKA-2015
Dongfeng -- Ruiqipika -- 2016	DONGFENG-SHIKONGJUNFENG-2016
Dongfeng - Little Bully -2004	DONGFENG-XIAOBAWANG-2004
Dongfeng - Xiaobawang -2006	DONGFENG-XIAOBAWANG-2006
Dongfeng - Xiaobawang V Mica-0000	DONGFENG-XIAOBAWANGVWEIKA
Dongfeng - Xiaobawangvweika C31-2011	DONGFENG-XIAOKANGC31-2011
Dongfeng -- XiaokangC32-20152016	DONGFENG-XIAOKANGC32-20152016
Dongfeng - XiaokangC35-2012 (Dongfeng -XIAOKANGC37-2012)	DONGFENG-XIAOKANGC35-2012(DONGFENG-XIAOKANGC37-2012)
Dongfeng - XiaokangFeng-2013	DONGFENG-XIAOKANGFENGGUANG-2013

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Type of vehicle	Car model code
Dongfeng - XiaokangFengguang -2014	DONGFENG-XIAOKANGFENGGUANG-2014
Dongfeng - Xiaokang K05S-2016(Dongfeng -XIAOKANGK01-2015)	DONGFENG-XIAOKANGK05S-2016(DONGFENG-XIAOKANGK01-2015)
Dongfeng - Xiaokang K07-2006	DONGFENG-XIAOKANGK07-2006
Dongfeng - XiaokangK07-2011	DONGFENG-XIAOKANGK07-2011
Dongfeng - XiaokangK07-2013	DONGFENG-XIAOKANGK07-2013
Dongfeng - Xiaokangk07S-20152016	DONGFENG-XIAOKANGK07S-20152016
Dongfeng - Xiaokangk07S-2011	DONGFENG-XIAOKANGV07S-2011
Dongfeng - XiaokangV27-2011	DONGFENG-XIAOKANGV27-2011
Dongfeng - XiaokangV29-2012	DONGFENG-XIAOKANGV29-2012
Dongfeng-yufeng-2012 ~2016(Dongfeng-YuFENGEV-2015)	DONGFENG-YUFENG-2012~2016(DONGFENG-YUFENGEV-2015)
Dongfeng-ZD22TE-2013	DONGFENG-ZD22TE-2013
Dongdong-delica -- 2008	DONGNAN-DELIKA-2008
Dongnan-delika -2009	DONGNAN-DELIKA-2009
Dongnan-delika -2014	DONGNAN-DELIKA-2014
Dongnan -DX3-20162018	DONGNAN-DX3-20162018
Dongnan -- DX7-20152016	DONGNAN-DX7-20152016
Dongnan -- Fulica -- 2007	DONGNAN-FULIKA-2007
Dongnan-fulika -2010	DONGNAN-FULIKA-2010
Dongnan - Ryu Shuai -2005	DONGNAN-LINGSHUAI-2005
Dongnan - Lingli -0000	DONGNAN-LINLI
Dongnan-linli -V3 Rhombus -2010	DONGNAN-V3LINGYUE-2010
Dongnan-v3Lingyue-20102011	DONGNAN-V3LINGYUE-20102011
Dongnan-v3Lingyue-2013	DONGNAN-V3LINGYUE-2013
Dongnan-v3Lingyue-2014	DONGNAN-V3LINGYUE-2014
Dongnan - v3Lingyue-2014 -2	DONGNAN-V3LINGYUE-2014-2
Dongnan-V3Lingyue-2015	DONGNAN-V3LINGYUE-2015
Dongnan-v5 Lingzhi-20142015	DONGNAN-V5LINGZHI-20142015
Dongnan -- V5 Lingzhi -- 2017	DONGNAN-V5LINGZHI-2017
Dongnan -V6 Rishi -2014	DONGNAN-V6LINGSHI-2014
Dongnan -V6 Lingshi -20142015	DONGNAN-V6LINGSHI-20142015

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Type of vehicle	Car model code
Dongnan - Shiwang -2011	DONGNAN-XIWANG-2011
DS-5LS-2014~2016	DS-5LS-2014~2016
DS-6-2014~2017	DS-6-2014~2017
Ferrari-458-2011	FALALI-458-2011
Ferrari-488-2015	FALALI-488-2015
Ferrari -CALIFORNIA-2015	FALALI-CALIFORNIA-2015
Ferrari -F430-2009	FALALI-F430-2009
Ferrari -PROTOFINO-2018	FALALI-PROTOFINO-2018
Flying Saucer - Alchi -0000	FEIDIE-AOCHI
Flying Saucer - Auchi M Series -0000	FEIDIE-AOCHIMXI
Feidie - Aochimxi X Series -0000	FEIDIE-AOCHIXXI
Flying Saucer - Ditu GX-2017	FEIDIE-DITUGX-2017
Fiat-500-20122014	FEIYATE-500-20122014
Fiat-beau-500-2008 ~2011	FEIYATE-BOYUE-2008~2011
Feiyate-boyue -- 2012~2014	FEIYATE-FEIXIANG-2012~2014
Fiat-feixiang -2015	FEIYATE-FEIXIANG-2015
Fiat-feixiang -- 2012~2014	FEIYATE-FEIYUE-2012~2014
Fiat-siena -2006	FEIYATE-XIYENA-2006
Fiat - Zhiyue -2014	FEIYATE-ZHIYUE-2014
Fiat-Zhiyue-2015	FEIYATE-ZHIYUE-2015
Toyota-86-2012 ~2014	FENGTIAN-86-2012~2014
Toyota-86-2017	FENGTIAN-86-2017
Toyota-Elpha-2011	FENGTIAN-AIERFA-2011
Toyota-Aierfa-2012	FENGTIAN-AIERFA-2012
Toyota-Aierfa-2015	FENGTIAN-AIERFA-2015
Toyota -FJ Coolooze -2017	FENGTIAN-FJKULUZE-2017
Toyota-fortuner -2012	FENGTIAN-FORTUNER-2012
Toyota-hilux -2002	FENGTIAN-HAILAKESI-2002
Toyota - Sea Lion -1999	FENGTIAN-HAISHI-1999
Toyota-haishi -2011	FENGTIAN-HAISHI-2011
Toyoda - Highlander -20112013	FENGTIAN-HANLANDA-20112013

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Type of vehicle	Car model code
Toyota-hanlanda -2012	FENGTIAN-HANLANDA-2012
Toyota-hanlanda -20152017	FENGTIAN-HANLANDA-20152017
Toyota -HILUX-2017	FENGTIAN-HILUX-2017
Toyota - Corolla -2004	FENGTIAN-HUAGUAN-2004
Toyota - Corolla -2007	FENGTIAN-HUAGUAN-2007
Toyota - Corolla -2010	FENGTIAN-HUAGUAN-2010
Toyota - Corolla -2013	FENGTIAN-HUAGUAN-2013
Toyota - Corolla -2013-2	FENGTIAN-HUAGUAN-2013-2
Toyota - Crown -1999	FENGTIAN-HUANGGUAN-1999
Toyota - Crown -20052007	FENGTIAN-HUANGGUAN-20052007
Toyota -- Crown -- 2010	FENGTIAN-HUANGGUAN-2010
Toyota - Crown -2011	FENGTIAN-HUANGGUAN-2011
Toyota - Crown -2012	FENGTIAN-HUANGGUAN-2012
Toyota - Crown -2015	FENGTIAN-HUANGGUAN-2015
Toyota - Camry -1998	FENGTIAN-JIAMEI-1998
Toyota-jiluchi -2011	FENGTIAN-JIELUCHI-2011
Toyota - Kowloon Sea Lions -2010	FENGTIAN-JIULONGHAISHI-2010
Toyota - Camry -20022004	FENGTIAN-KAIMEIRUI-20022004
Toyota - Camry -2005-JINKOU	FENGTIAN-KAIMEIRUI-2005-JINKOU
Toyota - Camry -20072008	FENGTIAN-KAIMEIRUI-20072008
Toyota - Camry -2009~2012	FENGTIAN-KAIMEIRUI-2009~2012
Toyota -- Camry -- 2012 -- JUNRUI	FENGTIAN-KAIMEIRUI-2012-JUNRUI
Toyota - Camry -2012-OUZHOU-HAIWAI	FENGTIAN-KAIMEIRUI-2012-OUZHOU-HAIWAI
Toyota - Camry -2012-ZUNRUI	FENGTIAN-KAIMEIRUI-2012-ZUNRUI
Toyota - Camry -2013	FENGTIAN-KAIMEIRUI-2013
Toyota - Camry -2015	FENGTIAN-KAIMEIRUI-2015
Toyota - Corolla -2007~2009	FENGTIAN-KALUOLA-2007~2009
Toyota - Corolla -2010~2013	FENGTIAN-KALUOLA-2010~2013
Toyota - Corolla -20142017	FENGTIAN-KALUOLA-20142017
Toyota - Corolla -2016	FENGTIAN-KALUOLA-2016
Toyota - Corolla -2017	FENGTIAN-KALUOLA-2017

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Type of vehicle	Car model code
Toyota - Corolla -2005	FENGTIAN-LANDEKULUZE-2005
Toyota - Corolla -2007	FENGTIAN-LANDEKULUZE-2007
Toyota-landekuluze -2008	FENGTIAN-LANDEKULUZE-2008
Toyota-landekuluze -2015-JINKOU	FENGTIAN-LANDEKULUZE-2015-JINKOU
Toyota-landekuluze -2016	FENGTIAN-LANDEKULUZE-2016
Toyoda - Leiling -2014-LINGXIAN	FENGTIAN-LEILING-2014-LINGXIAN
Toyota-leiling -2016	FENGTIAN-LEILING-2016
Toyota-leiling -2017	FENGTIAN-LEILING-2017
Toyota - Prado -2004	FENGTIAN-PULADUO-2004
Toyota - Prado -2010	FENGTIAN-PULADUO-2010
Toyota-prado -2014	FENGTIAN-PULADUO-2014
Toyota-prado -2014~2016	FENGTIAN-PULADUO-2014~2016
Toyota - Prius -2006	FENGTIAN-PURUISI-2006
Toyota - Prius -2012	FENGTIAN-PURUISI-2012
Toyota-Puruvia-2004	FENGTIAN-PURUIWEIYA-2004
Toyota-puruiweiya -2006	FENGTIAN-PURUIWEIYA-2006
Toyota-puruiweiya -2007	FENGTIAN-PURUIWEIYA-2007
Toyota -RAV4-20092010	FENGTIAN-RAV4-20092010
Toyota -RAV4-20112012	FENGTIAN-RAV4-20112012
Toyota -RAV4-2013	FENGTIAN-RAV4-2013
Toyota -RAV4-2015	FENGTIAN-RAV4-2015
Toyota -RAV4-2016	FENGTIAN-RAV4-2016
Toyota-reiz -2005~2008	FENGTIAN-RUIZHI-2005~2008
Toyota-reiz -2009	FENGTIAN-RUIZHI-2009
Toyota-reiz -2010	FENGTIAN-RUIZHI-2010
Toyota-reiz -2013	FENGTIAN-RUIZHI-2013
Toyota-senna -2011~2015	FENGTIAN-SIENNA-2011~2015
Toyota-sienna -2016~2017	FENGTIAN-SIENNA-2016~2017
Toyota -- Tandu -- 2011	FENGTIAN-TANTU-2011
Toyota -- Tantu -- 20142016	FENGTIAN-TANTU-20142016
Toyota-tantu -2004	FENGTIAN-TERUI-2004

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Type of vehicle	Car model code
Toyota-vios -2004	FENGTIAN-WEICHI-2004
Toyota-vios -2008	FENGTIAN-WEICHI-2008
Toyota - Vios -2008-1.3LGLIAT	LGLIAT FENGTIAN - WEICHI - 2008-1.3
Toyota - Vios -2010	FENGTIAN-WEICHI-2010
Toyota-vios -2013	FENGTIAN-WEICHI-2013
Toyota-vios -2014	FENGTIAN-WEICHI-2014
Toyota - Vios -2017	FENGTIAN-WEICHI-2017
Toyota-wizz -20082011	FENGTIAN-WEIZHI-20082011
Toyota-Weizhi-20042011	FENGTIAN-WEIZI-20042011
Toyota-yaris -2008	FENGTIAN-YALISHI-2008
Toyota-yaris -2011	FENGTIAN-YALISHI-2011
Toyoda -YARISL Zhihyun -2015	FENGTIAN-YARISLZHIXUAN-2015
Toyoda -YARISL Zhixuan -2016-GAIKUAN	FENGTIAN-YARISLZHIXUAN-2016-GAIKUAN
Toyota-yatsui -- 201120122014	FENGTIAN-YIZHI-201120122014
Toyota-yizhi -2015	FENGTIAN-YIZHI-2015
Toyota Reiz - Reiz -2010	FENGTIANRUIZHI-RUIZHI-2010
Toyota Reishi - Reishi -2010-HAIWAI	FENGTIANRUIZHI-RUIZHI-2010-HAIWAI
Toyota Reishi - Reishi -2013-HAIWAI	FENGTIANRUIZHI-RUIZHI-2013-HAIWAI
Fengtianruizhi -FZ3041E4-0000	FUDA-FZ3041E4
Fuda - Pathfinder 6-2010	FUDI-TANLUZHE6-2010
Fudi - Little Superman -2012	FUDI-XIAOCHAOREN-2012
Fudi - Little Superman -2015	FUDI-XIAOCHAOREN-2015
Fudi - Lion -2012	FUDI-XIONGSHI-2012
Fudi - Lion F16-2012	FUDI-XIONGSHIF16-2012
Fudi-xiongshif-qiteng - Qiteng V60-2017	FUQIQITENG-QITENGV60-2017
Ford-cmax -2017	FUTE-CMAX-2017
Ford-focus -- 2005	FUTE-FUKESI-2005
Ford-focus -2007	FUTE-FUKESI-2007
Ford-focus -2009	FUTE-FUKESI-2009
Ford-fox -2009-JINKOU	FUTE-FUKESI-2009-JINKOU
Ford - Focus -2010	FUTE-FUKESI-2010

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Type of vehicle	Car model code
Ford-focus -2011	FUTE-FUKESI-2011
Ford-fox-2011 -JINKOU	FUTE-FUKESI-2011-JINKOU
Ford-fox-2011 -SANXIANG	FUTE-FUKESI-2011-SANXIANG
Ford-focus -2012	FUTE-FUKESI-2012
Ford-focus -2013	FUTE-FUKESI-2013
Ford - Fox -20152018-LIANGXIANG	FUTE-FUKESI-20152018-LIANGXIANG
Ford-focus -2015~2018	FUTE-FUKESI-2015~2018
Ford-fuaris -2015	FUTE-FURUISI-2015
Ford - Shaker of the Road -20162017	FUTE-HANLUZHE-20162017
Ford-fiesta -200820102011	FUTE-JIANIANHUA-200820102011
Ford - Fiesta -20112012-LIANGXIANG	FUTE-JIANIANHUA-20112012-LIANGXIANG
Ford-fiesta -2013	FUTE-JIANIANHUA-2013
Ford - Fiesta -2014	FUTE-JIANIANHUA-2014
Ford - Classic Quanshun -2009~2015	FUTE-JINGDIANQUANSHUN-2009~2015
Ford - Classic Quanshun -2009~2015-CHAIYOU	FUTE-JINGDIANQUANSHUN-2009~2015-CHAIYOU
Ford - Taurus -20152017	FUTE-JINNIUZUO-20152017
Ford - Max -2008	FUTE-MAIKESI-2008
Ford-mondeo -2000	FUTE-MENGDIOU-2000
Ford-mondeo -20042005	FUTE-MENGDIOU-20042005
Ford-mondeo -2006	FUTE-MENGDIOU-2006
Ford-mondeo -2007	FUTE-MENGDIOU-2007
Ford-mondeo -- 2008 -- ZHISHENG	FUTE-MENGDIOU-2008-ZHISHENG
Ford - Mondeo -2011-ZHISHENG	FUTE-MENGDIOU-2011-ZHISHENG
Ford - Mondeo -2013	FUTE-MENGDIOU-2013
Ford - Mondeo -2017	FUTE-MENGDIOU-2017
Ford - Raptor F150-20122013	FUTE-MENGQINF150-20122013
Ford -- Quanshun -- 2017	FUTE-QUANSHUN-2017
Ford - Rui Jie -20112012	FUTE-RUIJIE-20112012
Ford - Ruijie -20152016	FUTE-RUIJIE-20152016
Ford - Explorer -2011	FUTE-TANXIANZHE-2011
Fute - Explorers -20162017	FUTE-TANXIANZHE-20162017

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Type of vehicle	Car model code
Ford - Turui -20162017	FUTE-TURUIOU-20162017
Ford - New Generation All Smooth -2009	FUTE-XINSHIDAIQUANSHUN-2009
Ford - New Generation Quanshun -2013	FUTE-XINSHIDAIQUANSHUN-2013
Ford - Mustang -2015~2017	FUTE-YEMA-2015~2017
Ford - Wing-Beat -2013	FUTE-YIBO-2013
Ford-escape -2013	FUTE-YIHU-2013
Ford - Escape -2017	FUTE-YIHU-2017
Futon - Okling -0000	FUTIAN-AOLING
Futian - Okuzu T3-2016	FUTIAN-AOLINGT3-2016
Futian - AolingTX-0000	FUTIAN-AOLINGTX
Futian - AolingTX -2010	FUTIAN-AOLINGTX-2010
Futian - Scenery G7-2014~2016	FUTIAN-FENGJINGG7-2014~2016
Futian - Scenery G9-2016	FUTIAN-FENGJINGG9-2016
Futian - Scenic Sea Lion -1999	FUTIAN-FENGJINGHAISHI-1999
Futian - Scenery Quick -2012	FUTIAN-FENGJINGKUAIJIE-2012
Futian - Scenery Express -2011	FUTIAN-FENGJINGKUAIYUN-2011
Futian - Scenery V3-20152017	FUTIAN-FENGJINGV3-20152017
Futian - Jiatu T3-2016	FUTIAN-JIATUT3-2016
Futian - Jiatutu V5-2015	FUTIAN-JIATUV5-2015
Futian - Monpeck E-2010	FUTIAN-MENGPAIKEE-2010
Futian - Mengpaikee-2014	FUTIAN-MENGPAIKEE-2014
Futian - Mengpaikee -2011	FUTIAN-MIDI-2011
Futian - O 'Marco -0000	FUTIAN-OUMAKE
Futian - SAP T3-2011	FUTIAN-SAPUT3-2011
Futian - Saputu T3-2011-2	FUTIAN-SAPUT3-2011-2
Futian - Saput-V5-2011	FUTIAN-SAPUV5-2011
Futian - SapuV5-2011	FUTIAN-SAPUZ7-2011
Futian - Takuto -2012	FUTIAN-TUOLUZHE-2012
Futian - Tuoluzhe -2015	FUTIAN-TUYANUO-2015
Foton Passenger Car - Gattu IM6-2016	FUTIANCHENGWUCHE-GATUIM6-2016
Foton Passenger Car - GatuIM-IX5-2016	FUTIANCHENGWUCHE-GATUIX5-2016

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Type of vehicle	Car model code
Futian Times - Furui -0000-2800	FUTIANSHIDAI-FURUI-0000-2800
Futian Times - Jieshun -0000	FUTIANSHIDAI-JIESHUN
Futianshidai-jieshun. Fukuda Times - Kong -2006	FUTIANSHIDAI-JINGANG-2006
Futianshidai - Jingang - 628-0000	FUTIANSHIDAI-JINGANG628
Futian Times -K1-0000	FUTIANSHIDAI-K1
Futian Times - Conrey H2-0000	FUTIANSHIDAI-KANGRUIH2
Futianshidai-KangruiH2	FUTIANSHIDAI-KANGRUIK2
Futianshidai-riich 2-0000	FUTIANSHIDAI-RUIQI2
Futianshidai-ruiwei 6-0000	FUTIANSHIDAI-RUIWO6
Futian Times - Box style -0000	FUTIANSHIDAI-XIANGSHI
Futianshidai - Xiaoka Star -0000	FUTIANSHIDAI-XIAOKAZHIXING
Futianshidai - Xiaokazhixing 2-2010-LINGHANG	FUTIANSHIDAI-XIAOKAZHIXING2-2010-LINGHANG
Futian Times -- Yu Ling -- 2009	FUTIANSHIDAI-YULING-2009
Futian Time -- Yu Ling -- 2010	FUTIANSHIDAI-YULING-2010
Futian Times - Yu Ling -2011	FUTIANSHIDAI-YULING-2011
GMC-SAVANA-2010~2013	GMC-SAVANA-2010~2013
Gac Trumpchi -GA3-20132014	GUANGQICHUANQI-GA3-20132014
Trumpchi -- GA3S Vision -- 20142016	GUANGQICHUANQI-GA3SSHIJIE-20142016
Trumpchi -- GA3S New Energy -- 2017	GUANGQICHUANQI-GA3SXINNENGYUAN-2017
Trumpchi -- GA5-20112012	GUANGQICHUANQI-GA5-20112012
Trumpchi -GA5-2015	GUANGQICHUANQI-GA5-2015
Trumpchi -GA5 New Energy -2016	GUANGQICHUANQI-GA5XINNENGYUAN-2016
Trumpchi -- GA6-20152016	GUANGQICHUANQI-GA6-20152016
Trumpchi -GA8-2017	GUANGQICHUANQI-GA8-2017
Trumpchi -GE3-2017	GUANGQICHUANQI-GE3-2017
Gac Trumpchi -- GS4-20152016	GUANGQICHUANQI-GS4-20152016
Trumpchi -GS5-2012~2014	GUANGQICHUANQI-GS5-2012~2014
Trumpchi -GS5SUPER-20152016	GUANGQICHUANQI-GS5SUPER-20152016
Trumpchi -GS8-2017	GUANGQICHUANQI-GS8-2017
Gac Geo-Aoxuan G3-2011	GUANGQIJIAO-AOXUANG3-2011

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Type of vehicle	Car model code
Gac Ggio -- Fortune Luck 100-2012	GUANGQIJIAO-CAIYUN100-2012
Guangqi Ggio -- Fortune Luck 300-2010	GUANGQIJIAO-CAIYUN300-2010
Gac Geo - Xinglong -2014	GUANGQIJIAO-XINGLANG-2014
Gac Jiao-Xingwang -- 20102012	GUANGQIJIAO-XINGWANG-20102012
Qoro-3-2014 ~2017	GUANZHI-3-2014~2017
Qoros 5-20162017	GUANZHI-5-20162017
National-GM3-2018	GUOJIN-GM3-2018
Ha Fei - Junyi -2010	HAFEI-JUNYI-2010
Hafei-lubao -2007	HAFEI-LUBAO-2007
Hafei-lubao -2008	HAFEI-LUBAO-2008
Hafei - Luzun Little Bully -2011	HAFEI-LUZUNXIAOBAWANG-2011
Hafei - Luzunxiaobawang -2004	HAFEI-MINYI-2004
Hafei-minyi -2006	HAFEI-MINYI-2006
Hafei-minyi -2007	HAFEI-MINYI-2007
Hafei-minyi -2008	HAFEI-MINYI-2008
Hafei-minyi -2009	HAFEI-MINYI-2009
Hafei-minyi -2012	HAFEI-MINYI-2012
Hafei - Saibao -2008	HAFEI-SAIBAO-2008
Hafei-saibao -2004	HAFEI-SAIMA-2004
Hafei-songhuajiang V-2005	HAFEI-SONGHUAJIANGV-2005
Hafei - Little Bully -2010	HAFEI-XIAOBAWANG-2010
Hafei - Zhongyi -2002	HAFEI-ZHONGYI-2002
Hafei - Zhongyi V5-2013	HAFEI-ZHONGYIV5-2013
Hafei-H1-20152016	HAFU-H1-20152016
Hafu-H1-2016	HAFU-H1-2016
Hafu-H1-20162017	HAFU-H1-20162017
Hafu-H2-20152017	HAFU-H2-20152017
Hafu-H2-2017	HAFU-H2-2017
Hafu-H2S-2017	HAFU-H2S-2017
Hafu-H5-2015	HAFU-H5-2015
Hafu-H5-2016	HAFU-H5-2016

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Type of vehicle	Car model code
Hafu -H6-2013	HAFU-H6-2013
Hafu -H6-2014	HAFU-H6-2014
Hafu-h6-2015 -YUNDONG	HAFU-H6-2015-YUNDONG
Hafu-H6-20152016	HAFU-H6-20152016
Hafu-H6-2017	HAFU-H6-2017
Hafu -H6-2018	HAFU-H6-2018
Hafu -H6COUPE-2017- Blue	HAFU-H6COUPE-2017-BLUE
Hafu -H6COUPE-2017- Red	HAFU-H6COUPE-2017-RED
Hafu-h7-2015 ~2017	HAFU-H7-2015~2017
Hafu-H8-20132015	HAFU-H8-20132015
Hafu -H9-20152016	HAFU-H9-20152016
Hafu-H9-2017	HAFU-H9-2017
Hafu-M6-2017	HAFU-M6-2017
Hag-H5C-2011	HAIGE-H5C-2011
Haige-ujun -201120122014	HAIGE-YUJUN-201120122014
Haima - Fumilai -2006	HAIMA-FUMEILAI-2006
Haima - Fumeilai -2008	HAIMA-FUMEILAI-2008
Haima - Fumeilai -2011	HAIMA-FUMEILAI-2011
Haima - Fumeilai -20122013	HAIMA-FUMEILAI-20122013
Haima -- Fumeilai -- 2014~2016	HAIMA-FUMEILAI-2014~2016
Haima - Fumeilai -2017	HAIMA-FUMEILAI-2017
Haima - Fumeilai Classic -2015	HAIMA-FUMEILAIJINGDIAN-2015
Haima - Fumeilaijingdian -2009(Haima -FUSHIDAFUKA-2012)	HAIMA-FUSHIDAHONGDA-2009(HAIMA-FUSHIDAFUKA-2012)
Haima - Fushidahongda -2012	HAIMA-FUSHIDAHONGDA-2012
Haima - Fushidahongda -2012	HAIMA-FUSHIDARONGDA-2012
Haima - Fushidarongda -2007~2010	HAIMA-HAIFUXING-2007~2010
Haima -- Haifuxing -- 2010 -- SHOUDONGSHUSHI	HAIMA-HAIFUXING-2010-SHOUDONGSHUSHI
Haima - Haifuxing - 2010 - Shoudongshushi	HAIMA-HAIFUXING-2011
Haima - Haima - 3-2010	HAIMA-HAIMA3-2010
Haima - Haima M3-2013	HAIMA-HAIMAM3-2013

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Type of vehicle	Car model code
Haima - Haima M3-2013-SHOUDONGBIAOZHUN	HAIMA-HAIMAM3-2013-SHOUDONGBIAOZHUN
Haima - Prince of the Seahorses -2010	HAIMA-HAIMAWANGZI-2010
Haima -M3-2016	HAIMA-M3-2016
Haima -M6-2013~2017	HAIMA-M6-2013~2017
Haima -M8-2015	HAIMA-M8-2015
Haima - Prima -2007	HAIMA-PULIMA-2007
Haima - Pulima -20102012	HAIMA-PULIMA-20102012
Haima - Pulima -2012-KAITUO	HAIMA-PULIMA-2012-KAITUO
Haima - Prima -2014	HAIMA-PULIMA-2014
Haima - Knight -2010	HAIMA-QISHI-2010
Seahorse - Knight -2013-LINGHANGXING	HAIMA-QISHI-2013-LINGHANGXING
Haima - Cupid -20102011	HAIMA-QIUBITE-20102011
Haima - Cupid -2012~2015	HAIMA-QIUBITE-2012~2015
Haima -S5-2015	HAIMA-S5-2015
Haima -S7-20132015	HAIMA-S7-20132015
Haima -S7-2015	HAIMA-S7-2015
Haiquan -A9-2016	HAIQUAN-A9-2016
Hummer -H2-2008	HANMA-H2-2008
Hanten-X7-2016	HANTENG-X7-2016
Panthers -1027 Series -2010	HEIBAO-1027XILIE-2010
Panthers -1030 Series -2010	HEIBAO-1030XILIE-2010
Black Panther-HB2320-0000	HEIBAO-HB2320
Hengtian - New Chufeng -2017	HENGTIAN-XINCHUFENG-2017
Upi -ETAKE-2018	HEZHONG-ETAKE-2018
Red Flag -H7-20132015	HONGQI-H7-20132015
Hongqi-mingshi -2002	HONGQI-MINGSHI-2002
Hongqi-star of the Century -2004	HONGQI-SHIJIXING-2004
Huakai -- Huakai Pickup -- 2016	HUAKAI-HUAKAIPIKA-2016
Huakai-tianjin Daihatsu -- 1993	HUALI-TIANJINDAFA-1993
Huanghai - Aojun -2009	HUANGHAI-AOJUN-2009
Huanghai-Aojun-2009-Haohua	HUANGHAI-AOJUN-2009-HAOHUA

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Type of vehicle	Car model code
Huanghai - Milion CUV-2010	HUANGHAI-AOLONGCUV-2010
Yellow Sea - Big Chai God -2007	HUANGHAI-DACHAISHEN-2007
Huanghai-dachaishen -2009	HUANGHAI-DACHAISHEN-2009
Huanghai-N1-2014	HUANGHAI-N1-2014
Huanghai -- Qisheng CUV -- 2010	HUANGHAI-QISHENGCUV-2010
Huanghai-qisheng F1-20092012(Huanghai-Qisheng CUV-2010)	HUANGHAI-QISHENGF1-20092012(HUANGHAI-QISHENGCUV-2010)
Huanghai-qishengcuv - Challenger SUV-2010	HUANGHAI-TIAOZHANZHESUV-2010
Huapu - Hai Feng -2007	HUAPU-HAIFENG-2007
Huapu - Haishang -2005	HUAPU-HAISHANG-2005
Huapu - Hixun -2007	HUAPU-HAIXUN-2007
Huapu - Haixun-2007	HUAPU-HAIYU-2007
Huapu - Jestamme Deer -2002	HUAPU-JIESHIDAMEILU-2002
Huapu -M203-2004	HUAPU-M203-2004
Huapu - Huapu 7-2015	HUASONG-HUANGSONG7-2015
Huasong - Paulig -2013	HUATAI-BAOLIGE-2013
Huatai-lu Sheng E70-2013	HUATAI-LUSHENGE70-2013
Huatai - Santa Fe -2006	HUATAI-SHENGDAFEI-2006
Huatai - Santa Fe -2012	HUATAI-SHENGDAFEI-2012
Houghton -COMMODORE-2016	HUODUN-COMMODORE-2016
Jianghuai -- Binyue -- 2008	JIANGHUAI-BINYUE-2008
Jianghuai - Binyue -2009	JIANGHUAI-BINYUE-2009
Jianghuai - Great Luck -0000-HFC1120K1T	JIANGHUAI-DAHAOYUN-0000-HFC1120K1T
Jianghuai - Dingli -0000	JIANGHUAI-DINGLI
Jianghuai - Haowei -2013	JIANGHUAI-HAOWEI-2013
Jianghuai - Good Luck V-0000(Jianghuai - Kangling -2010)	JIANGHUAI-HAOYUNV(JIANGHUAI-KANGLING-2010)
Jianghuai - Heyue -2010~2012	JIANGHUAI-HEYUE-2010~2012
Jianghuai - Heyue -2014	JIANGHUAI-HEYUE-2014
Jianghuai - Heyue RS-2010~2012	JIANGHUAI-HEYUERS-2010~2012
Jianghuai - Heyuers RS-2013	JIANGHUAI-HEYUERS-2013
Jianghuai -IEV-2017	JIANGHUAI-IEV-2017

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Type of vehicle	Car model code
Jianghuai -IEV5-2015	JIANGHUAI-IEV5-2015
Jianghuai -IEV6E-2017	JIANGHUAI-IEV6E-2017
Jianghuai -IEV6S-2016	JIANGHUAI-IEV6S-2016
Jianghuai -IEV7-2017	JIANGHUAI-IEV7-2017
Jianghuai - Junling -0000-HFC5043CCYP91K5C2	JIANGHUAI-JUNLING-0000-HFC5043CCYP91K5C2
Jianghuai - Junling -2008	JIANGHUAI-JUNLING-2008
Jianghuai - Junling V3-0000(Jianghuai -JINLINGV5~V7)	JIANGHUAI-JUNLINGV3(JIANGHUAI-JINLINGV5~V7)
Jianghuai - Kangling -0000	JIANGHUAI-KANGLING
Jianghuai - Ruifeng -2007	JIANGHUAI-RUIFENG-2007
Jianghuai - Ruifeng -200720112012	JIANGHUAI-RUIFENG-200720112012
Jianghuai - Ruifeng M3-2015	JIANGHUAI-RUIFENGM3-2015
Jianghuai - Ruifeng M3-2016	JIANGHUAI-RUIFENGM3-2016
Jianghuai - RuifengM4-2016 ~2018	JIANGHUAI-RUIFENGM4-2016~2018
Jianghuai - Ruifeng M5-2012	JIANGHUAI-RUIFENGM5-2012
Jianghuai - Ruifengm5-20152016	JIANGHUAI-RUIFENGS2-20152016
Jianghuai - RuifengS3-2016	JIANGHUAI-RUIFENGS3-2016
Jianghuai - RuifengS3-2017	JIANGHUAI-RUIFENGS3-2017
Jianghuai - RuifengS5-2013	JIANGHUAI-RUIFENGS5-2013
Jianghuai - RuifengS5-2015	JIANGHUAI-RUIFENGS5-2015
Jianghuai - Riling -20112014	JIANGHUAI-RUILING-20112014
Jianghuai - Ruiling -2012	JIANGHUAI-RUILING-2012
Jianghuai - Ruiling -2008~2010	JIANGHUAI-RUIYING-2008~2010
Jianghuai - Ruiying -2011~2013	JIANGHUAI-RUIYING-2011~2013
Jianghuai - Shuailing -0000	JIANGHUAI-SHUAILING
Jianghuai - Shuai Ling -0000-2	JIANGHUAI-SHUAILING-0000-2
Jianghuai - Shuai Ling T6-20152016	JIANGHUAI-SHUAILINGT6-20152016
Jianghuai - Tongyue -2008~2011	JIANGHUAI-TONGYUE-2008~2011
Jianghuai - Weiling -0000	JIANGHUAI-WEILING
Jianghuai - Xingrui -2011	JIANGHUAI-XINGRUI-2011
Jianghuai - Yueyue -2011	JIANGHUAI-YUEYUE-2011
Jiangling - Baodian -2002	JIANGLING-BAODIAN-2002

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Type of vehicle	Car model code
Jiangling - Baodian -2007	JIANGLING-BAODIAN-2007
Jiangling - Baodian -2014	JIANGLING-BAODIAN-2014
Jiangling - Baodian -2014-2	JIANGLING-BAODIAN-2014-2
Jiangling - Baodian -2016	JIANGLING-BAODIAN-2016
Jiangling - Baowei -2009	JIANGLING-BAOWEI-2009
Jiangling - Carrie-0000	JIANGLING-KAIRUI
Jiangling - Kairui 800-0000	JIANGLING-KAIRUI800
Jiangling-Kaiyun-0000	JIANGLING-KAIYUN
Jiangling-qiling T5-2014	JIANGLING-QILINGT5-2014
Jiangling -- Light Truck -- 0000-2.8MTDSP	JIANGLING - QINGKA - 0000-2.8 MTDSP
Jiangling - Quanshun -0000	JIANGLING-QUANSHUN
Jiangling - Shunda -0000	JIANGLING-SHUNDA
Jiang Ling - Shunda -2007-ZAI	JIANGLING-SHUNDA-2007-ZAI
Jiangling - Shunda -2017	JIANGLING-SHUNTE-2017
Jiangling - Shunte -2017	JIANGLING-TESHUN-2017
Jiangling - Yuhu -2012	JIANGLING-YUHU-2012
Jiangling - Yunba -2005	JIANGLING-YUNBA-2005
Jiangling New Energy -- E200-2016	JIANGLINGXINNENGYUAN-E200-2016
Jiangxi Isuzu -- Remway -- 20162017	JIANGXIWUSHILING-RUIMAI-20162017
Jaguar -FPACE-2016	JIEBAO-FPACE-2016
Jaguar -FPACE-2016-YUNDONG	JIEBAO-FPACE-2016-YUNDONG
Jag -FTYPE-20142015	JIEBAO-FTYPE-20142015
Jaguar -FTYPE-20152016	JIEBAO-FTYPE-20152016
Jag -STYPE-2004	JIEBAO-STYPE-2004
Jag -XE-20172018	JIEBAO-XE-20172018
Jag -XF-2010	JIEBAO-XF-2010
Jag -XF-2011~2013	JIEBAO-XF-2011~2013
Jag -XF-2014	JIEBAO-XF-2014
Jaguar -XF-2015~2016	JIEBAO-XF-2015~2016
Jaguar -XJ-2010~2015	JIEBAO-XJ-2010~2015
Jag -XJ-2016	JIEBAO-XJ-2016

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Type of vehicle	Car model code
Jag -XK-2017	JIEBAO-XK-2017
Jiehai-krD5021xxyBEV-2016	JIHAI-KRD5021XXYBEV-2016
Jihai-hai-liangxing -- 2004-LIANGXING	JILI-HAOQING-2004-LIANGXING
Jili - Haoqing -2004 - Liangxing	JILI-HAOQING203A-2004
Jili - Kong -20062007	JILI-JINGANG-20062007
Geely - Kong -2010-HAOHUA(Geely -JINGANGERDAI-2010)	JILI-JINGANG-2010-HAOHUA(JILI-JINGANGERDAI-2010)
Jili - Vajra -2011(YINGLUN- Vajra -2010-WUDI)	JILI-JINGANG-2011(YINGLUN-JINGANG-2010-WUDI)
Jili-golden Eagle -20082010	JILI-JINYING-20082010
Jili-us-japan -- 2006	JILI-MEIRI-2006
Jili-unio -2004	JILI-YOULIOU-2004
Jili-youliou -2006	JILI-YUANJING-2006
Jili -- Freedom Ship -- 2005	JILI-ZIYOUJIAN-2005
Jili - Freedom Ship -2007	JILI-ZIYOUJIAN-2007
Geely - Freedom Ship -2010	JILI-ZIYOUJIAN-2010
Jili-ziyoujian -- 2010	JILIYINGLUN-JINGANG-2010
Jiliyinglun-Jingang-2010-WudI	JILIYINGLUN-JINGANG-2011(YINGLUN-JINGANG-2010-WUDI)
Jiliyinglun-jingang-fortune -2012	JILIYINGLUN-JINGANGCAIFU-2012
Geely England -- King Kong Wealth -- 2015 -- ZUIGUI	JILIYINGLUN-JINGGANGCAIFU-2015-ZUIGUI
Jiliyinglun - Jinggangcaifu -2015-ZUNGUIXING	JILIYINGLUN-JINGGANGCAIFU-2015-ZUNGUIXING
Jiliyinglun -- Golden Eagle -- 20082010	JILIYINGLUN-JINYING-20082010
JiliyingLun-SC5-2011	JILIYINGLUN-SC5-2011
JiliyingLUN-SC7-20092011	JILIYINGLUN-SC7-20092011
Geely England -SX7-2013	JILIYINGLUN-SX7-2013
Geely Englain-TX4-2012	JILIYINGLUN-TX4-2012
Jiliyinglun -- Prospect -- 20092010	JILIYINGLUN-YUANJING-20092010
Gold Cup -750-20152016	JINBEI-750-20152016
Gold Cup - Big Sea Lion -2011	JINBEI-DAHAISHI-2011
Jinbei-dahaishi -2007-2	JINBEI-GERUISI-2007-2
Jinbei - Geruisi -2008	JINBEI-GERUISI-2008
Jinbei - Geruisi -2014	JINBEI-GERUISI-2014

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Type of vehicle	Car model code
Jinbei - Geruisi -2016	JINBEI-GERUISI-2016
Jinbei-geruisi -1999	JINBEI-HAISHI-1999
Jinbei-haishi -1999-2	JINBEI-HAISHI-1999-2
Jinbei-haishi -2000	JINBEI-HAISHI-2000
Jinbei-haishi -2002	JINBEI-HAISHI-2002
Jinbei-haishi -2004	JINBEI-HAISHI-2004
Jinbei-haishi -- 20082011	JINBEI-HAISHI-20082011
Jinbei-haishi -2011	JINBEI-HAISHI-2011
Jinbei-haishi -2013	JINBEI-HAISHI-2013
Jinbei -- Haishi -- 2014 -- HAOHUA	JINBEI-HAISHI-2014-HAOHUA
Jinbei - Sea Lion Sixth Generation -2011	JINBEI-HAISHIDILIUDAI-2011
Gold Cup - Sea Lion X30L-2016	JINBEI-HAISHIX30L-2016
Gold Cup - Sea Star A7-2011	JINBEI-HAIXINGA7-2011
Jinbei-haixinga7-2011 -BIAOZHUN	JINBEI-HAIXINGA7-2011-BIAOZHUN
Jinbei -- Nuclear Power -- 2005	JINBEI-HEDONGLI-2005
Jinbei - Jindian -2009	JINBEI-JINDIAN-2009
Jin Bei - Jin Yun -0000	JINBEI-JINYUN
Jinbei - Collar Chi -0000	JINBEI-LINGCHI
Jinbei - Lingqi -2008	JINBEI-LINGQI-2008
Jinbei -- Qiyun -- 2013	JINBEI-QIYUN-2013
Gold Cup - Western Cowboys -2015	JINBEI-XIBUNIUZAI-2015
Jinbei-zhishang S30-2012~2015	JINBEI-ZHISHANGS30-2012~2015
Jinbei -- Zhishang S30-2013-2	JINBEI-ZHISHANGS30-2013-2
Jinlong - Jinwei Yuchai -0000	JINLONG-JINWEIYUCHAI
Jinlong - Song of Triumph -20142015	JINLONG-KAIGE-20142015
Jinlong - Sea Lion -2005	JINLV-HAISHI-2005
Jinlv-haishi -2010	JINLV-HAISHI-2010
Jeep-grand Cherokee -2011~2013	JIPU-DAQIENUOJI-2011~2013
Jeep-grand Cherokee -2014~2016	JIPU-DAQIENUOJI-2014~2016
Jeep-grand Cherokee -2014~2017	JIPU-DAQIENUOJI-2014~2017
Jeep-Jeep-2005	JIPU-JIPU-2005

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Type of vehicle	Car model code
Jeep-wrangler -2008	JIPU-MUMAREN-2008
Jipu-cherokee -1997	JIPU-QIENUOJI-1997
Jipu - Commander -2005	JIPU-ZHIHUIGUAN-2005
Jipu - Commander -2008	JIPU-ZHIHUIGUAN-2008
Jipu - Guide -2007	JIPU-ZHINANZHE-2007
Jipu - Guide -2011~2016	JIPU-ZHINANZHE-2011~2016
Jipu - Guide -2017	JIPU-ZHINANZHE-2017
Jipu - Free Light -20142015	JIPU-ZIYOUGUANG-20142015
Jeep-freedom Passenger -2012~2015	JIPU-ZIYOUKE-2012~2015
Jipu-ziyouke -20162017	JIPU-ZIYOUXIA-20162017
Jipu-effie -2014	JIULONG-AIFEI-2014
Carlson -GL-2012	KAERSHEN-GL-2012
Cadillac-ats -2014-JINKOU	KAIDILAKE-ATS-2014-JINKOU
Cadillac -ATSL-2014~2017	KAIDILAKE-ATSL-2014~2017
Cadillac -CT6-2017	KAIDILAKE-CT6-2017
Cadillac -CTS-2006	KAIDILAKE-CTS-2006
Cadillac -CTS-2009~2011	KAIDILAKE-CTS-2009~2011
Cadillac -CTS-2012	KAIDILAKE-CTS-2012
Cadillac -CTS-2014-JINKOU	KAIDILAKE-CTS-2014-JINKOU
Cadillac-escalade -2006~2010	KAIDILAKE-KAILEIDEESCALADE-2006~2010
Cadillac-escalade -2015	KAIDILAKE-KAILEIDEESCALADE-2015
Cadillac -SLS Sevay -2007	KAIDILAKE-SLSSAIWEI-2007
Cadillac -SLS Saiwei -2010~2012	KAIDILAKE-SLSSAIWEI-2010~2012
Cadillac -SRX-2010~2012	KAIDILAKE-SRX-2010~2012
Cadillac -SRX-2013~2015	KAIDILAKE-SRX-2013~2015
Cadillac -XT5-2016	KAIDILAKE-XT5-2016
Cadillac -XTS-2012~2015	KAIDILAKE-XTS-2012~2015
Cadillac -XTS-2013	KAIDILAKE-XTS-2013
Cadillac -XTS-20162017	KAIDILAKE-XTS-20162017
Kaima-foleika -0000	KAIMA-FULAIKA
Kaima - Good Luck Coming -0000	KAIMA-HAOYUNLAI

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Type of vehicle	Car model code
Kaima-junteng -0000-KMC3046ZLB33D4	KAIMA-JUNTENG-0000-KMC3046ZLB33D4
Kaima-capgemini -0000	KAIMA-KAIJIE
Kaima-Kaima-0000	KAIMA-KAIMA
Kaima - Kaima -0000-2	KAIMA-KAIMA-0000-2
Kairui -K50-20152017	KAIRUI-K50-20152017
Kairui -K60-2017	KAIRUI-K60-2017
Kairui -LVKAC-0000	KAIRUI-LVKAC
Kairui -LVKAS-0000	KAIRUI-LVKAS
Kairui - Youjin -2012	KAIRUI-YOUJIN-2012
Kairui - Youseung II -2010	KAIRUI-YOUSHENGERDAI-2010
Kairui - Youshengerdai -2008	KAIRUI-YOUYA-2008
Kairui - Elegant II -2013	KAIRUI-YOUYA2DAI-2013
Kairui -- Youyou 2Dai -- 20132016	KAIRUI-YOUYOU2DAI-20132016
Kairui -C3R-20152016	KAIYI-C3R-20152016
Kaiyi-C3R-2016	KAIYI-V3-2016
Kandy -K10-2015	KANGDI-K10-2015
Kangdi-K11-2015	KANGDI-K11-2015
Kawi -K1-2016	KAWEI-K1-2016
Chrysler-300C-2004	KELAISILE-300C-2004
Chrysler-300C-2006	KELAISILE-300C-2006
Chrysler-300C-2010	KELAISILE-300C-2010
Chrysler-300C-2014	KELAISILE-300C-2014
Chrysler-bo -2008	KELAISILE-BORUI-2008
Chrysler-grand Dragon -2007	KELAISILE-DAJIELONG-2007
Chrysler-pt Rambler -2006~2009	KELAISILE-PTMANBUZHE-2006~2009
Rada - Niwa -2017	LADA-NIWA-2017
Lamborghini -AVENTADOR-2011~2016	LANBOJINI-AVENTADOR-2011~2016
Lamborghini -GALLARDO-2009~2012	LANBOJINI-GALLARDO-2009~2012
Lamborghini -HURACAN-2014	LANBOJINI-HURACAN-2014
Lamborghini -HURACAN-2016	LANBOJINI-HURACAN-2016

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Type of vehicle	Car model code
Lancia -YPSILON-2012	LANQIYA-YPSILON-2012
Rolls-Royce - Gust -2016	LAOSILAISI-GUSITE-2016
Rolls-Royce - Phantom -2013	LAOSILAISI-HUANYIN-2013
Reading -EV-2017	LEIDIN-EV-2017
Lexus -CT-2013-ANYEQISHI	LEIKESASI-CT-2013-ANYEQISHI
Lexus -CT-20142015	LEIKESASI-CT-20142015
Lexus -ES-2015~2017	LEIKESASI-ES-2015~2017
Lexus -ES240-2012	LEIKESASI-ES240-2012
Lexus -ES250-2013	LEIKESASI-ES250-2013
Lexus -ES330-2005	LEIKESASI-ES330-2005
Lexus -ES350-2006-HAOHUA	LEIKESASI-ES350-2006-HAOHUA
Lexus -GS-2012	LEIKESASI-GS-2012
Lexus -GS-2012-SPORT	LEIKESASI-GS-2012-SPORT
Lexus -GS-2016	LEIKESASI-GS-2016
Lexus -GS300-2005	LEIKESASI-GS300-2005
Lexus -GX-20102012	LEIKESASI-GX-20102012
Lexus -GX-2014	LEIKESASI-GX-2014
Lexus -IS-2006~2009	LEIKESASI-IS-2006~2009
Lexus -IS-2015	LEIKESASI-IS-2015
Lexus -IS-20152017	LEIKESASI-IS-20152017
Lexus-Ls-20042005	LEIKESASI-LS-20042005
Rexas-LS-20072010	LEIKESASI-LS-20072010
Lexas-LS-2010	LEIKESASI-LS-2010
Lexus -LX570-2007	LEIKESASI-LX570-2007
Lexus -LX570-20122013	LEIKESASI-LX570-20122013
Lexus -LX570-2016	LEIKESASI-LX570-2016
Lexus -NX-20152016	LEIKESASI-NX-20152016
Lexus -RX-2007	LEIKESASI-RX-2007
Lexus -RX-2011	LEIKESASI-RX-2011
Lexus -RX-2013	LEIKESASI-RX-2013
Lexus -RX-2016	LEIKESASI-RX-2016

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Type of vehicle	Car model code
Lexus -RX300-2004	LEIKESASI-RX300-2004
Reno - Scenery -2004	LEINUO-FENGJING-2004
Leinuo - Fenglang -2011	LEINUO-FENGJING-2011
Leinuo - Fengjing -2011	LEINUO-FENGLANG-2011
Leinuo - Fenglang -2013	LEINUO-FENGLANG-2013
Leinuo - Fenglang -2015	LEINUO-FENGLANG-2015
Leinuo - Cabin -20142015	LEINUO-KABIN-20142015
Leinuo - Koreo -2010	LEINUO-KELEIAO-2010
Leinuo-keleiao -2012	LEINUO-KELEIAO-2012
Leinuo-keleiao -2014	LEINUO-KELEIAO-2014
Leinuo - Keleiao -2016-JINKOU	LEINUO-KELEIAO-2016-JINKOU
Leinuo - Keleiao -2017	LEINUO-KELEIAO-2017
Leinuo-keleiao -- 2015~2017	LEINUO-KELEIJIA-2015~2017
Leinuo-laguna -2004	LEINUO-LAGUNA-2004
Reno Talisman -2012	LEINUO-TALISIMAN-2012
Leinuo - Dimension -20112013	LEINUO-WEIDU-20112013
Leinuo - Jingyue -2009	LIANHUA-JINGYUE-2009
Lianhua -L3-2009	LIANHUA-L3-2009
Lianhua -L5-2014	LIANHUA-L5-2014
Cheetah -6481-2009	LIEBAO-6481-2009
Liebao-cs10-2014 ~2017	LIEBAO-CS10-2014~2017
Liebao-CS6-2008	LIEBAO-CS6-2008
Cheetah - Flying Bell -2010	LIEBAO-FEILING-2010
Cheetah - Flying Bell Pickup -2009	LIEBAO-FEIYANGPIKA-2009
Cheetah - Black Gold Gang -20042009	LIEBAO-HEIJINGANG-20042009
Cheetah -Q6-0000	LIEBAO-Q6
Lifan -320-20092012	LIFAN-320-20092012
LifAN-330-2015	LIFAN-330-2015
Lifan-520-2007	LIFAN-520-2007
Lifan-520-2011	LIFAN-520-2011
Lifan-620-2012	LIFAN-620-2012

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Type of vehicle	Car model code
Lifan - Fengshun -2011	LIFAN-FENGSHUN-2011
Lifan -- LFJ3046G2-0000	LIFAN-LFJ3046G2
Lifan - Maiwei -20162017	LIFAN-MAIWEI-20162017
Lifan-X60-2012	LIFAN-X60-2012
Lifan Shijun - Skat	LIFANSHIJUN-SIKATE
Lynk & Co - Lynk & Co 01-2017	LINGKE-LINGKE01-2017
Suzuki -- Alto -- 2001 -- DUSHIBEIBEI	LINGMU-AOTUO-2001-DUSHIBEIBEI
Suzuki -- Aotuo -- 200920112012	LINGMU-AOTUO-200920112012
Suzuki - Aotuo -2010	LINGMU-AOTUO-2010
Suzuki - Aotuo -2013	LINGMU-AOTUO-2013
Suzuki - Aotuo Happy Prince -2007	LINGMU-AOTUOKUAILEWANGZI-2007
Suzuki - Big Dipper -2002	LINGMU-BEIDOUXING-2002
Suzuki - Beidouxing -2004	LINGMU-BEIDOUXING-2004
Suzuki - Beidouxing -20042013	LINGMU-BEIDOUXING-20042013
Suzuki - Beidouxing -2007	LINGMU-BEIDOUXING-2007
Suzuki - Beidouxing -2010	LINGMU-BEIDOUXING-2010
Suzuki - Beidouxing -20152016	LINGMU-BEIDOUXING-20152016
Suzuki - Beidouxing X5-2013	LINGMU-BEIDOUXINGX5-2013
Suzuki - Super Vitra -20072008	LINGMU-CHAOJIWEITELA-20072008
Suzuki - Fronuis -2014	LINGMU-FENGYU-2014
Suzuki - Fengyu -2014-2	LINGMU-FENGYU-2014-2
Suzuki - Jimni -20122015-JINKOU	LINGMU-JIMUNI-20122015-JINKOU
Suzuki - Nandi -20072008	LINGMU-LANGDI-20072008
Suzuki - Antelope -2004	LINGMU-LINGYANG-2004
Suzuki - Antelope -2009	LINGMU-LINGYANG-2009
Suzuki - Antelope -2011	LINGMU-LINGYANG-2011
Suzuki - Antelope -2012	LINGMU-LINGYANG-2012
Suzuki - Liana -2005	LINGMU-LIYANA-2005
Suzuki - Liyana -2008	LINGMU-LIYANA-2008
Suzuki - Liyana -2011	LINGMU-LIYANA-2011
Suzuki - Liyana - A6-2014	LINGMU-LIYANAA6-2014

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Type of vehicle	Car model code
Suzuki - Liyana A6-2014~2015	LINGMU-LIYANAA6-2014~2015
Suzuki - Paiki -2012	LINGMU-PAIXI-2012
Suzuki - Kai Yue -2015	LINGMU-QIYUE-2015
Suzuki -- Heavenly Language -- 2011~2013	LINGMU-TIANYUSHANGYUE-2011~2013
Suzuki - Tianyu SX4-2006	LINGMU-TIANYUSX4-2006
Suzuki - Tianyusx4-20072009	LINGMU-TIANYUSX4-20072009
Suzuki - Tianyusx4-20112016	LINGMU-TIANYUSX4-20112016
Suzuki - Tianyusx4-2012	LINGMU-TIANYUSX4-2012
Suzuki - Tianyusx4-2013	LINGMU-TIANYUSX4-2013
Suzuki -VITARA-2016	LINGMU-VITARA-2016
Suzuki - Vitra -2016	LINGMU-WEITELA-2016
Suzuki - Swift -2005	LINGMU-YUYAN-2005
Suzuki - Swift -2005-2	LINGMU-YUYAN-2005-2
Suzuki - Swift -20092011	LINGMU-YUYAN-20092011
Suzuki - Swift -2013	LINGMU-YUYAN-2013
Suzuki - Swift -2014-BIAOZHUN	LINGMU-YUYAN-2014-BIAOZHUN
Lingmu-i1-2016	LINGZHI-I1-2016
Concept -S1-2011	LINIAN-S1-2011
Lincoln - Navigator -2010	LINKEN-LINGHANGYUAN-2010
Lincoln - Navigator -20142017	LINKEN-LINGHANGYUAN-20142017
Lincoln -MKC-2014~2016	LINKEN-MKC-2014~2016
Linken-MKX-20152017	LINKEN-MKX-20152017
Linken-mkz -2013~2016	LINKEN-MKZ-2013~2016
Linken-mkz -2017	LINKEN-MKZ-2017
Longxi -LX273Z-0000	LONGXI-LX273Z
Land Ark - Iway -2012	LUDIFANGZHOU-AIWEI-2012
Land Ark - Jinma -2013	LUDIFANGZHOU-JINMA-2013
Land Ark -V5-2013	LUDIFANGZHOU-V5-2013
Lu Fangzhou-Weitu Z35-20162017	LUDIFANGZHOU-WEITUZ35-20162017
Ludifangzhou-fenghua -- 20072008	LUFENG-FENGHUA-20072008
Land Wind - Style -2006	LUFENG-FENGSHANG-2006

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Type of vehicle	Car model code
Land Wind -X2-2017	LUFENG-X2-2017
Land Wind -X5-2014	LUFENG-X5-2014
Land Wind -X5-2016	LUFENG-X5-2016
Land Wind -X6-2008	LUFENG-X6-2008
Land Wind -X7-2015	LUFENG-X7-2015
Land Wind -X7-2015~2017	LUFENG-X7-2015~2017
Lu Feng-X8-20092011	LUFENG-X8-20092011
Lu Feng-X8-20122014	LUFENG-X8-20122014
Land Rover -- Discovery -- 2006	LUHU-FAXIAN-2006
Land Rover -- Discovery -- 2010~2016	LUHU-FAXIAN-2010~2016
Land Rover -- Discovery -- 20172018	LUHU-FAXIAN-20172018
Land Rover - Discovery -20162017	LUHU-FAXIANSHENXING-20162017
Land Rover - Range Rover -2007	LUHU-LANSHENG-2007
Land Rover - Range Rover -2010	LUHU-LANSHENG-2010
Land Rover - Range Rover -2011	LUHU-LANSHENG-2011
Land Rover - Range Rover -2011-YUNDONG	LUHU-LANSHENG-2011-YUNDONG
Land Rover - Range Rover -2014~2017	LUHU-LANSHENG-2014~2017
Land Rover - Range Rover -2014~2017-YUNDONG	LUHU-LANSHENG-2014~2017-YUNDONG
Land Rover - Range Rover -2018-YUNDONG	LUHU-LANSHENG-2018-YUNDONG
Land Rover - Range Rover Evoque -2012~2015	LUHU-LANSHENGJIGUANG-2012~2015
Land Rover - Range Rover Evoque -20162017	LUHU-LANSHENGJIGUANG-20162017
Land Rover - Godwalker 2-2010	LUHU-SHENXINGZHE2-2010
Land Rover - Godwalker 2-2011~2015	LUHU-SHENXINGZHE2-2011~2015
McLaren -12C-2013	MAIKAILUN-12C-2013
Maserati -GHIBLI-2014~2017	MASHALADI-GHIBLI-2014~2017
Maserati -GRANCABRIO-20102012	MASHALADI-GRANCABRIO-20102012
Maserati -GRANTURISMO-2013	MASHALADI-GRANTURISMO-2013
Maserati -LEVANTE-2016	MASHALADI-LEVANTE-2016
Maserati - President -2008~2011	MASHALADI-ZONGCAI-2008~2011
Maserati - President -2013~2015	MASHALADI-ZONGCAI-2013~2015
Maserati - President -2017	MASHALADI-ZONGCAI-2017

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Type of vehicle	Car model code
Mazda-2-2007	MAZIDA-2-2007
Mazda-2-2012	MAZIDA-2-2012
Mazda-2 Jinxiang -2008	MAZIDA-2JINXIANG-2008
Mazda-3-2003	MAZIDA-3-2003
Mazda-3-2004	MAZIDA-3-2004
Mazda-3-2005	MAZIDA-3-2005
Mazda-3-2006	MAZIDA-3-2006
Mazda-3-2007	MAZIDA-3-2007
Mazda-3-2009	MAZIDA-3-2009
Mazda-3-2010	MAZIDA-3-2010
Mazda-3-2012	MAZIDA-3-2012
Mazda-3 Star Cheng -20112013	MAZIDA-3XINGCHENG-20112013
Mazda-5-2008	MAZIDA-5-2008
Mazda-6-2004	MAZIDA-6-2004
Mazda-6-20062007	MAZIDA-6-20062007
Mazda-6-2008-Shishang	MAZIDA-6-2008-SHISHANG
Mazda-6-200820112012	MAZIDA-6-200820112012
Mazda-8-2011	MAZIDA-8-2011
Mazda-atz -2014	MAZIDA-ATEZI-2014
Mazda-atz -20172018	MAZIDA-ATEZI-20172018
Mazida-axela Axela -2014	MAZIDA-AXELAANGKESAILA-2014
Mazida-axela Axelaangkesaila -20142016	MAZIDA-AXELAANGKESAILA-20142016
Mazida -Axela Axela -2017	MAZIDA-AXELAANGKESAILA-2017
Mazda -CX4-20162018	MAZIDA-CX4-20162018
Mazda -CX5-2013	MAZIDA-CX5-2013
Mazda -CX5-2015	MAZIDA-CX5-2015
Mazda -CX5-2017	MAZIDA-CX5-2017
Mazda -CX7-2014	MAZIDA-CX7-2014
Mazda -MX5-2009	MAZIDA-MX5-2009
Mazda-pulma -2006	MAZIDA-PULIMA-2006

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Type of vehicle	Car model code
Mazda - Raywing -20092010	MAZIDA-RUIYI-20092010
Mazda - Ruiyi -2010-JIAOPAO	MAZIDA-RUIYI-2010-JIAOPAO
Mazda -- Ruiyi -- 2012	MAZIDA-RUIYI-2012
Mazda -- Ruiyi -- 20122015 -- JIAOPAO	MAZIDA-RUIYI-20122015-JIAOPAO
Mazida-RX8-2014	MAZIDA-RX8-2014
Mg - RX3-2013	MG-3-2013
Mg -3-2014	MG-3-2014
Mg -3SW-20152016	MG-3SW-20152016
Mg -5-2012	MG-5-2012
Mg -6-2012	MG-6-2012
Mg - MG 7-2007 to 2010	MG-MINGJUE7-2007~2010
Mg - Reiten -20152016	MG-RUITENG-20152016
Mg - Ruiteng -2017	MG-RUITENG-2017
Mg - Ruiteng -2014~2016	MG-RUIXING-2014~2016
MINI-CLUBMAN-2013	MINI-CLUBMAN-2013
MINI-COOPER-2010	MINI-COOPER-2010
MINI-COOPER-2012	MINI-COOPER-2012
MINI-COOPER-2014~2017	MINI-COOPER-2014~2017
MINI-COUNTRYMAN-2011	MINI-COUNTRYMAN-2011
MINI-COUNTRYMAN-2016	MINI-COUNTRYMAN-2016
MINI-COUNTRYMAN-2017	MINI-COUNTRYMAN-2017
Nanjing IVeco -- Yuejin -- 0000-XIAOFUXING	NANJINGYIWEIKE-YUEJIN-0000-XIAOFUXING
Nanjing Iveco - Yuejin -2009	NANJINGYIWEIKE-YUEJIN-2009
Nanjing Iveco -- Yuejin -- 2010 -- SHUAIHUH100	NANJINGYIWEIKE-YUEJIN-2010-SHUAIHUH100
Nanjing Iveco - Yuejin -2011-XIAOHU	NANJINGYIWEIKE-YUEJIN-2011-XIAOHU
Nanjing Iveco - Yuejin -0000-SHANGJUNX	NANJINGYIWEIKE-YUNJIN-0000-SHANGJUNX
Nanjing IVeco - Yuejin -0000-SHAUIHUH500	NANJINGYIWEIKE-YUNJIN-0000-SHAUIHUH500
Nanjing IVeco - Leap Forward -2005	NANJINGYIWEIKE-YUNJIN-2005
Nanjun -- CNJ1030SDA30V-0000	NANJUN-CNJ1030SDA30V
Nanjun-CNJ1030ZP33M-0000	NANJUN-CNJ1030ZP33M

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Type of vehicle	Car model code
Nanjun-CNJ3060ZFP34m-0000	NANJUN-CNJ3060ZFP34M
Nanjun-Ruikang-0000	NANJUN-RUIKANG
Nanjun - Ruiyi -0000	NANJUN-RUIYI
NAT - Big 7MPV-20132015	NAZHIJIE-DA7MPV-20132015
Nazhijie - Big 7MPV-2016	NAZHIJIE-DA7MPV-2016
Nazhijie - Big 7SUV-20112013	NAZHIJIE-DA7SUV-20112013
Nazhijie - Big 7SUV-2014~2016	NAZHIJIE-DA7SUV-2014~2016
Nazhijie -MASTERCEO-2013	NAZHIJIE-MASTERCEO-2013
Nazhijie - Na 5-20132014	NAZHIJIE-NA5-20132014
Nazhijie-Na5-2015	NAZHIJIE-NA5-2015
Nazhijie-rui 3-2016	NAZHIJIE-RUI3-2016
Nazhijie-you6suv -2014~2016	NAZHIJIE-YOU6SUV-2014~2016
Nazhijie-you6suv -2014~2017	NAZHIJIE-YOU6SUV-2014~2017
NEVS-NEWS93-2017	NEWS-NEWS93-2017
Non-motor vehicles -0000-0000	NONMOTORVEHICLE
Opel-andra -2011	OUBAO-ANDELA-2011
Oubao-merina -2006	OUBAO-MAIRUINA-2006
Oubao-vista -2002	OUBAO-WEIDA-2002
Oubao-weida -2004	OUBAO-WEIDA-2004
Opel-art -2007~2010	OUBAO-YATE-2007~2010
Acura -CDX-20162017	OUGE-CDX-20162017
Acura -MDX-2009	OUGE-MDX-2009
Acura -MDX-2010	OUGE-MDX-2010
Acura -MDX-2014	OUGE-MDX-2014
Acura -RDX-2013	OUGE-RDX-2013
Acura -TL-2010	OUGE-TL-2010
Acura -ZDX-2011	OUGE-ZDX-2011
Promise -K50-2015	QIANTU-K50-2015
Qiantu - Morrowind -2014	QICHEN-CHENFENG-2014
Qichen -D50-2014	QICHEN-D50-2014
Qichen -D50-2015	QICHEN-D50-2015

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Type of vehicle	Car model code
Qichen -E30-2017	QICHEN-E30-2017
Qichen-M50V-2017	QICHEN-M50V-2017
Qichen-R30-20142016	QICHEN-R30-20142016
Qichen -R50X-20132015	QICHEN-R50X-20132015
Qichen -R50X-2015	QICHEN-R50X-2015
Qichen -T70X-2015	QICHEN-T70X-2015
Qichen -T70X-2016	QICHEN-T70X-2016
Qichen -T90-2017	QICHEN-T90-2017
Light Riding -ZB4015-2000	QINGQI-ZB4015-2000
Chery -A1-2007	QIRUI-A1-2007
Chery -A3-2008~2012	QIRUI-A3-2008~2012
Chery -A5-2006	QIRUI-A5-2006
Chery -A5-20072009	QIRUI-A5-20072009
Qiry-arezer 3-2015	QIRUI-AIRUIZE3-2015
Chery - Airuize5 -20162017	QIRUI-AIRUIZE5-20162017
Chery - Airuize5E-2017	QIRUI-AIRUIZE5E-2017
Chery - Airuize7 -2013	QIRUI-AIRUIZE7-2013
Chery - Airuize7E-2016	QIRUI-AIRUIZE7E-2016
Chery - Airuize7E -2015	QIRUI-AIRUIZEM7-2015
Chery - Son of the East -2006	QIRUI-DONGFANGZHIZI-2006
Chery - Son of the Orient -2007	QIRUI-DONGFANGZHIZI-2007
Chery - Son of the East CROSS-2009	QIRUI-DONGFANGZHIZICROSS-2009
Chery -E3-2013	QIRUI-E3-2013
Chery -E3-2015	QIRUI-E3-2015
Chery -E5-201120122014	QIRUI-E5-201120122014
Chery -EQ-2015	QIRUI-EQ-2015
Chery -EQ-2017	QIRUI-EQ-2017
Chery -EQ1-2017	QIRUI-EQ1-2017
Qirui - Fengyun -2005	QIRUI-FENGYUN-2005
Qirui-fengyun -2010	QIRUI-FENGYUN2-2010
Qirui-Fengyun2-2013	QIRUI-FENGYUN2-2013

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Type of vehicle	Car model code
Qirui-fengyun2-2014 ~2016	QIRUI-FENGYUN2-2014~2016
Chery -- Qiyun -- 2006	QIRUI-QIYUN-2006
Chery - Qiyun - 1-2010	QIRUI-QIYUN1-2010
Chery - Qiyun1-2012	QIRUI-QIYUN1-2012
Chery - Qiyun2-2008	QIRUI-QIYUN2-2008
Chery - Qiyun2-2012	QIRUI-QIYUN2-2012
Chery - Qiyun3-2010	QIRUI-QIYUN3-2010
Chery - Qiyun5-2012	QIRUI-QIYUN5-2012
Chery -QQ-2013	QIRUI-QQ-2013
Chery -- QQ3-20042005	QIRUI-QQ3-20042005
Chery -QQ3-200920112012	QIRUI-QQ3-200920112012
Chery -QQ3-2012-YUNDONG	QIRUI-QQ3-2012-YUNDONG
Chery -QQ6-2007~2010	QIRUI-QQ6-2007~2010
Chery - Tighu-2007	QIRUI-RUIHU-2007
Chery - Ruihu -2011~2013	QIRUI-RUIHU-2011~2013
Chery - Ruihu 3-2009	QIRUI-RUIHU3-2009
Chery - Ruihu-Ruihu3-2014	QIRUI-RUIHU3-2014
Chery - Ruihuis 3-2014-2	QIRUI-RUIHU3-2014-2
Qirui-Ruihu3-2014-2016	QIRUI-RUIHU3-2014~2016
Chery - Ruihu5 -20142015	QIRUI-RUIHU5-20142015
Chery - Ruihu5-20162017	QIRUI-RUIHU5-20162017
Chery - Ruihu7-20162017	QIRUI-RUIHU7-20162017
Chery - Ruihu DR-2010-OUZHOU	QIRUI-RUIHUDR-2010-OUZHOU
Kia - Ruirui -2013	QIYA-BARUI-2013
Kia - Furedi -2009	QIYA-FURUIDI-2009
Kia-furuidi -20112012	QIYA-FURUIDI-20112012
Kia - Furuidi -2014	QIYA-FURUIDI-2014
Kia - Ka Wah -2004	QIYA-JIAHUA-2004
Kia - Jiahua -2006	QIYA-JIAHUA-2006
Kia - Jiahua -2007	QIYA-JIALE-2007
Kia - Jiale -2011	QIYA-JIALE-2011

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Type of vehicle	Car model code
Kia - Jiale -2013	QIYA-JIALE-2013
Kia -K2-2012	QIYA-K2-2012
Kia -K2-2015	QIYA-K2-2015
Kia -K2-2017	QIYA-K2-2017
Kia-K3-2013	QIYA-K3-2013
Kia-K3-2016	QIYA-K3-2016
Kia-K3s-2014	QIYA-K3S-2014
Kia-k4-2014 -GL	QIYA-K4-2014-GL
Kia-K4-20142015	QIYA-K4-20142015
Kia-K4-2017	QIYA-K4-2017
Kia-K5-20112012	QIYA-K5-20112012
Kia-K5-2014	QIYA-K5-2014
Kia-K5-2015	QIYA-K5-2015
Kia-K5-2016	QIYA-K5-2016
Kia-k5-2016 -LUX	QIYA-K5-2016-LUX
Kia-k5-2016 -PRM	QIYA-K5-2016-PRM
Kia - Kaizun -2011	QIYA-KAIZUN-2011
Kia - Kaizun -20132014	QIYA-KAIZUN-20132014
Kia -KX3-2015	QIYA-KX3-2015
Kia -KX3-2017	QIYA-KX3-2017
Kia-KX5-2016	QIYA-KX5-2016
Kia-KX7-2017	QIYA-KX7-2017
Kia - Opheles -2004	QIYA-OUFEILAISI-2004
Kia-pratt -2002	QIYA-PULAITE-2002
Kia - Chollima -2004	QIYA-QIANLIMA-2004
Kia - Chollima -2005	QIYA-QIANLIMA-2005
Kia-reo -2007	QIYA-RUIOU-2007
Kia-Ruio-2007-2	QIYA-RUIOU-2007-2
Kia-cerato -2005	QIYA-SAILATU-2005
Kia-cerato -2006	QIYA-SAILATU-2006
Chia-cerato -20082012	QIYA-SAILATU-20082012

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Type of vehicle	Car model code
Chia-cerato -2010	QIYA-SAILATU-2010
Kia - Sportage -2007	QIYA-SHIPAO-2007
Kia - Sportage -20092011	QIYA-SHIPAO-20092011
Kia - Sportage -2009~2011	QIYA-SHIPAO-2009~2011
Kia - Sportage -2010	QIYA-SHIPAO-2010
Kia - Sportage -2012	QIYA-SHIPAO-2012
Kia - Sportage -2013	QIYA-SHIPAO-2013
Kia -SOUL-2010	QIYA-SOUL-2010
Kia - Sorento -2006	QIYA-SUOLANTUO-2006
Kia - Sorento -2012	QIYA-SUOLANTUO-2012
Kia - Sorento -2013	QIYA-SUOLANTUO-2013
Kia - Sorento -20152016	QIYA-SUOLANTUO-20152016
Kia -VQ-20112013	QIYA-VQ-20112013
Kia - Soor -2010~2013	QIYA-XIUER-2010~2013
Kia - Far Ship -2004	QIYA-YUANJIAN-2004
Kia - Yuanjian -2005	QIYA-YUANJIAN-2005
Kia - Zhirun -2011~2014	QIYA-ZHIPAO-2011~2014
Kia - Zhipao -20152016	QIYA-ZHIPAO-20152016
Global Hawk -GC7-20122013	QUANQIUYING-GC7-20122013
Global Hawk -GX2-2012	QUANQIUYING-GX2-2012
Global Hawk -GX7-2013	QUANQIUYING-GX7-2013
Global Hawk -GX7-2015	QUANQIUYING-GX7-2015
Global Hawk -GX720-2014	QUANQIUYING-GX720-2014
Global Hawk -K17A-2016	QUANQIUYING-K17A-2016
Global Hawk -- Panda -- 2010	QUANQIUYING-XIONGMAO-2010
Global Hawk - Panda -2016	QUANQIUYING-XIONGMAO-2016
Global Hawk -- Vista -- 20062011	QUANQIUYING-YUANJING-20062011
Global Hawk - Freedom Ship -2011	QUANQIUYING-ZIYOUJIAN-2011
Global Hawk - Freedom Ship -2012	QUANQIUYING-ZIYOUJIAN-2012
Nissan-D22-20112013	RICHAN-D22-20112013
Nissan -D22PIKA-2007	RICHAN-D22PIKA-2007

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Type of vehicle	Car model code
Nissan -D50-2014	RICHAN-D50-2014
Nissan - Quisco -2011~2015	RICHAN-GUISHI-2011~2015
Nissan - Energizer -2017	RICHAN-JINKE-2017
Nissan - Junyi -2006	RICHAN-JUNYI-2006
Nissan - Blue Bird -2004	RICHAN-LANNIAO-2004
Nissan - Blue Bird -2004-ZHIZUN	RICHAN-LANNIAO-2004-ZHIZUN
Nissan - Bluebird -2016	RICHAN-LANNIAO-2016
Nissan-lixil -2007	RICHAN-LIWEI-2007
Nissan-liwei -20082009	RICHAN-LIWEI-20082009
Nissan - Liwei -2010	RICHAN-LIWEI-2010
Nissan - Liwei -2013	RICHAN-LIWEI-2013
Nissan - Liwei -2015	RICHAN-LIWEI-2015
Nissan - Loulan -2011	RICHAN-LOULAN-2011
Nissan - Loulan -2015~2017	RICHAN-LOULAN-2015~2017
Nissan-marche -2010	RICHAN-MACHI-2010
Nissan -NV200-2010~2013	RICHAN-NV200-2010~2013
Nissan -NV200-2014	RICHAN-NV200-2014
Nissan -NV200-20142016-CVT	RICHAN-NV200-20142016-CVT
Nissan - Paladin -2004	RICHAN-PALADING-2004
Nissan - Paladin -20062013	RICHAN-PALADING-20062013
Nissan-versa -20052006	RICHAN-QIDA-20052006
Nissan-versa -20072008	RICHAN-QIDA-20072008
Nissan-versa -2011	RICHAN-QIDA-2011
Nissan-versa -2014	RICHAN-QIDA-2014
Nissan-versa -2016	RICHAN-QIDA-2016
Nissan - Qijun -2010	RICHAN-QIJUN-2010
Nissan - Qijun -2012	RICHAN-QIJUN-2012
Nissan - Qijun -2014	RICHAN-QIJUN-2014
Nissan - Qijun -2017	RICHAN-QIJUN-2017
Nissan - Shuaike -2013	RICHAN-SHUAIKE-2013

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Type of vehicle	Car model code
Nissan - Teana -2004	RICHAN-TIANLAI-2004
Nissan - Teana -2007	RICHAN-TIANLAI-2007
Nissan - Teana -2008	RICHAN-TIANLAI-2008
Nissan - Teana -20102012	RICHAN-TIANLAI-20102012
Nissan - Teana -2011	RICHAN-TIANLAI-2011
Nissan - Teana -2013	RICHAN-TIANLAI-2013
Nissan - Teana -2016	RICHAN-TIANLAI-2016
Nissan - Tule -2017	RICHAN-TULE-2017
Nissan - Qashqai -2008	RICHAN-XIAOKE-2008
Nissan - Qashqai -2011~2013	RICHAN-XIAOKE-2011~2013
Nissan - Qashqai -2016	RICHAN-XIAOKE-2016
Nissan - Sima -2016	RICHAN-XIMA-2016
Nissan-Sylvest-20072008	RICHAN-XUANYI-20072008
Nissan - Sylphy -2009	RICHAN-XUANYI-2009
Nissan -- Xuyi -- 2012~2014	RICHAN-XUANYI-2012~2014
Nissan -- Xuyi -- 2016	RICHAN-XUANYI-2016
Nissan -- Sunshine -- 2003	RICHAN-YANGGUANG-2003
Nissan -- Yangguang -- 2004	RICHAN-YANGGUANG-2004
Nissan -- Yangguang -- 2005	RICHAN-YANGGUANG-2005
Nissan -- Yangguang -- 2011	RICHAN-YANGGUANG-2011
Nissan -- Yangguang -- 2014~2016	RICHAN-YANGGUANG-2014~2016
Nissan -- Yida -- 2005	RICHAN-YIDA-2005
Nissan - Yida -2008	RICHAN-YIDA-2008
Roewe -350-2011-DIANDONG	RONGWEI-350-2011-DIANDONG
Roewe-350-20122014	RONGWEI-350-20122014
Rongwei-360-2015	RONGWEI-360-2015
Rongwei-550-2012 ~2014	RONGWEI-550-2012~2014
Rongwei-750-2006 ~2010	RONGWEI-750-2006~2010
Rongwei-750-2012	RONGWEI-750-2012
Roewe -750S-2008	RONGWEI-750S-2008
Rongwei -- 950-2015	RONGWEI-950-2015

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Type of vehicle	Car model code
Rongwei-950-2017	RONGWEI-950-2017
Roewe-E50-2016	RONGWEI-E50-2016
Rongwei-E550-2016	RONGWEI-E550-2016
Roewe-EI6-2017	RONGWEI-EI6-2017
Roewe-I6-20172018	RONGWEI-I6-20172018
Roewe-RX5-2016	RONGWEI-RX5-2016
Roewe-rx5 New Energy -- 20162017	RONGWEI-RX5XINNENGYUAN-20162017
Roewe-W5-20112013	RONGWEI-W5-20112013
Roewe -W5-2014	RONGWEI-W5-2014
Rishi -EC35-2016	RUICHI-EC35-2016
Ruichi-EK05A-2016	RUICHI-EK05A-2016
Riich-G3-2010	RUIQI-G3-2010
Ruiqi-G5-2012	RUIQI-G5-2012
Ruiqi-M1-2011	RUIQI-M1-2011
Ruiqi-X1-2012	RUIQI-X1-2012
Saab-Saab-9-2004	SABO-SAAB9-2004
Sabo-Saad9-2010	SABO-SAAD9-2010
Mitsubishi - Fadith -2013	SANLING-FENGSIDI-2013
Mitsubishi - Furica -2003	SANLING-FULIKA-2003
Mitsubishi - Fulika -2007	SANLING-FULIKA-2007
Mitsubishi - Golan -2009	SANLING-GELAN-2009
Mitsubishi - Grandi _-2004	SANLING-GELANDI-2004
Mitsubishi - Jin Hyun ASX-20112012	SANLING-JINXUANASX-20112012
Mitsubishi - JinxuanASX-2013	SANLING-JINXUANASX-2013
Mitsubishi - JinxuanASX-2015	SANLING-JINXUANASX-2015
Mitsubishi - JinxuanASX-2018	SANLING-JINXUANASX-2018
Mitsubishi - Junkaku -2008	SANLING-JUNGE-2008
Mitsubishi - Lancer -2006	SANLING-LANSE-2006
Mitsubishi - Lanse -2006~2010	SANLING-LANSE-2006~2010
Mitsubishi - Lanse -20122015	SANLING-LANSE-20122015
Mitsubishi - Johnson -2005	SANLING-LINGSHEN-2005

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Type of vehicle	Car model code
Mitsubishi - Johnson -2006	SANLING-LINGSHEN-2006
Mitsubishi - Rhombus -2005	SANLING-LINGSHUAI-2005
Mitsubishi - Outlander -2007~2009	SANLING-OULANDE-2007~2009
Mitsubishi - Outlander -2013	SANLING-OULANDE-2013
Mitsubishi - Outlander -2014	SANLING-OULANDE-2014
Mitsubishi - Outlander -2016	SANLING-OULANDE-2016
Mitsubishi - Outlander Classic -20042005	SANLING-OULANDEJINGDIAN-20042005
Mitsubishi - Outlander Realm -20102011	SANLING-OULANDEJINGJIE-20102011
Mitsubishi - Pajero -1992	SANLING-PAJIELUO-1992
Mitsubishi - Pajieluo -2004~2011	SANLING-PAJIELUO-2004~2011
Mitsubishi - Pajieluo -2007~2011-JINKOU	SANLING-PAJIELUO-2007~2011-JINKOU
Mitsubishi - Pajieluo -2012~2014-JINKOU	SANLING-PAJIELUO-2012~2014-JINKOU
Mitsubishi - Pajieluo -20162018	SANLING-PAJIELUO-20162018
Mitsubishi - Pajieluo Jinchang -2011-JINKOU	SANLING-PAJIELUOJINCHANG-2011-JINKOU
Mitsubishi - PajieluoJinchang -20132015	SANLING-PAJIELUOJINCHANG-20132015
Mitsubishi - Pajieluojinchang -2004	SANLING-PAJIELUOSUPAO-2004
Mitsubishi -V3 Rhombus -20102011	SANLING-V3LINGYUE-20102011
Mitsubishi - V3Lingyue-2011	SANLING-V3LINGYUE-2011
Mitsubishi -V5 Rishi -20142015	SANLING-V5LINGZHI-20142015
Mitsubishi -V5 Rlingzhi -20152017	SANLING-V5LINGZHI-20152017
Mitsubishi -V5 Rhombozhi -2017	SANLING-V5LINGZHI-2017
Mitsubishi - Winged God -20102012	SANLING-YISHEN-20102012
Mitsubishi - Winged God -2013	SANLING-YISHEN-2013
Mitsubishi - Winged God -2013-ZHISHANG	SANLING-YISHEN-2013-ZHISHANG
Mitsubishi - Yishen -2015	SANLING-YISHEN-2015
SCION-FRS-20132016	SCION-FRS-20132016
Saic Maxus -- G10-2016	SHANGQIDATONG-G10-2016
Shangqidatong-G10-2018	SHANGQIDATONG-G10-2018
Shangqidatong-v80-2011 ~2013	SHANGQIDATONG-V80-2011~2013
Shangqidatong-v80-2014 ~2016	SHANGQIDATONG-V80-2014~2016

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Type of vehicle	Car model code
Shangqidatong-v80-2014 ~2017	SHANGQIDATONG-V80-2014~2017
Shangqidatong -- Istana -- 2013	SHANGQIDATONG-YISITANNA-2013
Saic Yuejin - Beyond C-0000	SHANGQIYUEJIN-CHAOYUEC
Shaanxi-Huashan-0000-Huakang	SHANQI-HUASHAN-0000-HUAKANG
Shifeng - Fengchi -0000	SHIFENG-FENGCHI
Shifeng - Xinfengchi -0000	SHIFENG-XINFENGCHI
Ten Tong -STQ1039L2Y13-0000	SHITONG-STQ1039L2Y13
Double Ring - Corando -2011	SHUANGHUAN-KELANDUO-2011
Double Ring - Noble SRV-2004	SHUANGHUAN-LAIBAOSRV-2004
Double Ring -SCEO-2011	SHUANGHUAN-SCEO-2011
Shuanglong -- Aiteng -- 20062007	SHUANGLONG-AITENG-20062007
Shuanglong -- Corando -- 2014~2017	SHUANGLONG-KELANDUO-2014~2017
Shuanglong -- Xiang Yu -- 2007	SHUANGLONG-XIANGYU-2007
Shuanglong -- Chairman -- 2004	SHUANGLONG-ZHUXI-2004
Subaru -- Outback -- 2011	SIBALU-AOHU-2011
Subaru - Aohu -2013	SIBALU-AOHU-2013
Subaru - Aohu -2015~2017	SIBALU-AOHU-2015~2017
Subaru -BRZ-20152017	SIBALU-BRZ-20152017
Subaru - Chippon -2007	SIBALU-CHIPENG-2007
Subaru - Lion -2006	SIBALU-LISHI-2006
Subaru - Lishi -2010	SIBALU-LISHI-2010
Subaru - Lishi -2013	SIBALU-LISHI-2013
Subaru - Lishi -20162017	SIBALU-LISHI-20162017
Subaru - Forester -2007	SIBALU-SENLINREN-2007
Subaru - Forester - 2009-2011	SIBALU-SENLINREN-2009~2011
Subaru - Senlinren -2012	SIBALU-SENLINREN-2012
Subaru - Forester -2013~2015	SIBALU-SENLINREN-2013~2015
Subaru - Forester -20152016	SIBALU-SENLINREN-20152016
Subaru - Forester -20162017	SIBALU-SENLINREN-20162017
Subaru -WRX-2016	SIBALU-WRX-2016
Subaru -XV-2012~2015	SIBALU-XV-2012~2015

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Type of vehicle	Car model code
Subaru -XV-2017	SIBALU-XV-2017
Subaru -XV-2018	SIBALU-XV-2018
Subaru - Impreza -20072008	SIBALU-YIBAO-20072008
Skoda -- Hao Rui -- 20092012	SIKEDA-HAORUI-20092012
Skoda - Jing Rui -2008	SIKEDA-JINGRUI-2008
Skoda - Jingrui -2012	SIKEDA-JINGRUI-2012
Skoda - Jingrui -20122014-JINGZHI	SIKEDA-JINGRUI-20122014-JINGZHI
Skoda - Jingrui -2017	SIKEDA-JINGRUI-2017
Skoda - Kodiak -20172018	SIKEDA-KEDIYAKE-20172018
Skoda - Octavia -20072008	SIKEDA-MINGRUI-20072008
Skoda - Octavia -20102014	SIKEDA-MINGRUI-20102014
Skoda - Octavia -2015	SIKEDA-MINGRUI-2015
Skoda - Octavia -2017	SIKEDA-MINGRUI-2017
Skoda - Super Pie -20162018	SIKEDA-SUPAI-20162018
Skoda - Rapid -20142016	SIKEDA-XINDONG-20142016
Skoda - Xindong -2013	SIKEDA-XINRUI-2013
Skoda - Xin Rui -2015	SIKEDA-XINRUI-2015
Skoda - Noti -2013-JINKOU	SIKEDA-YETI-2013-JINKOU
Skoda - Yeti -2014~2017	SIKEDA-YETI-2014~2017
Sikeda-yeti -2014	SIMING-SIMING-2014
Sway-X7-2017	SIWEI-X7-2017
SMART-FORJEREMY-2013	SMART-FORJEREMY-2013
SMART-FORTWO-2009~2011	SMART-FORTWO-2009~2011
SMART-FORTWO-20162017	SMART-FORTWO-20162017
Tang Jun -- Jinlika -- 0000	TANGJUN-JINLIKA
Tang Jun-K3-0000	TANGJUN-K3
Tang Jun - Ou Ling -0000	TANGJUN-OULING
Tang Jun-Ouling -0000-2	TANGJUN-OULING-0000-2
Tang Jun-Ouling-0000-3	TANGJUN-OULING-0000-3
Tang Jun-Ouling-0000-ZB5815P3t	TANGJUN-OULING-0000-ZB5815P3T
Tang Jun-Sai Ling -0000	TANGJUN-SAILIN

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Type of vehicle	Car model code
Tang Jun - Sailin A6-0000	TANGJUN-SAILINA6
Tang Jun -T6-2013	TANGJUN-T6-2013
Tang Jun - Mini BMW -0000	TANGJUN-XIAOBAOMA
Tangjun - Xinyu Ma -2016	TANGJUN-XINYUMA-2016
Tenza - Tenza -2017	TENGSHI-TENGSHI-2017
Tesla -MODELS-20142015	TESILA-MODELS-20142015
Tesila -MODELS-20162017	TESILA-MODELS-20162017
Tesla-ModelX-2016	TESILA-MODELX-2016
Weichai Yingzhi - Yingzhi 727-2016	WEICAIYINGZHI-YINGZHI727-2016
Weicaiyingzhi -- Weicaiyingzhi V5-2009~2012	WEILIN-WEILINV5-2009~2012
WEY-VV5-2017	WEY-VV5-2017
Volvo-c30-2006 ~2010	WOERWO-C30-2006~2010
Volvo-c30-2011 ~2013	WOERWO-C30-2011~2013
Volvo-s40-2004 ~2006	WOERWO-S40-2004~2006
Volvo-S60-2004	WOERWO-S60-2004
Volvo-s60-20112012 (Volvo-V60-2011)	WOERWO-S60-20112012(WOERWO-V60-2011)
Volvo-s60l-2014 ~2017	WOERWO-S60L-2014~2017
Volvo-S80L-2009	WOERWO-S80L-2009
Volvo-s80l-2009 ~2012-AWD	WOERWO-S80L-2009~2012-AWD
Volvo-S80L-2010	WOERWO-S80L-2010
Volvo-S80L-20142015	WOERWO-S80L-20142015
Volvo-S90L-2017	WOERWO-S90L-2017
Volvo-V40-201320152016	WOERWO-V40-201320152016
Volvo-v60-2014 ~2016	WOERWO-V60-2014~2016
Volvo-xc60-2011 -JINKOU	WOERWO-XC60-2011-JINKOU
Volvo-xc60-2015 ~2017	WOERWO-XC60-2015~2017
Volvo -XC90-2007~2013	WOERWO-XC90-2007~2013
Volvo -XC90-2015~2018	WOERWO-XC90-2015~2018
Wuling-6320-2004	WULING-6320-2004
Wuling-hongtu -2009	WULING-HONGTU-2009
Wuling-pn truck-2009	WULING-PNHUOCHE-2009

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Type of vehicle	Car model code
Wuling-pn truck-2010	WULING-PNHUOCHE-2010
Wuling-pn truck 1010PLNNF-2010	WULING-PNHUOCHE1010PLNNF-2010
Wuling-wuling Hongguang -- 20102013	WULING-WULINGHONGGUANG-20102013
Wuling - Wuling Hongguang -201020132014	WULING-WULINGHONGGUANG-201020132014
Wuling - Wuling Hongguang -2013-HAOHUA	WULING-WULINGHONGGUANG-2013-HAOHUA
Wuling - Wuling Hongguang -2013~2015	WULING-WULINGHONGGUANG-2013~2015
Wuling - Wuling Hongguang -2015	WULING-WULINGHONGGUANG-2015
Wuling - Wuling Hongguang -2016	WULING-WULINGHONGGUANG-2016
Wuling - Wuling Hongguang V-2015	WULING-WULINGHONGGUANGV-2015
Wuling -- Wuling Rongguang -- 20082011	WULING-WULINGRONGGUANG-20082011
Wuling - Wuling Rongguang -2009	WULING-WULINGRONGGUANG-2009
Wuling-wuling Grongguang -- 2012	WULING-WULINGRONGGUANG-2012
Wuling - Wuling Rongguang -2014	WULING-WULINGRONGGUANG-2014
Wuling - Wuling Xingwang -20092010	WULING-WULINGXINGWANG-20092010
Wuling-wuling Yangguang -- 2006	WULING-WULINGYANGGUANG-2006
Wuling - Wuling Journey -2015	WULING-WULINGZHENGCHENG-2015
Wuling - Wuling Zhiguang -2005	WULING-WULINGZHIGUANG-2005
Wuling - Wuling Zhiguang -2007	WULING-WULINGZHIGUANG-2007
Wuling -- Wuling Light -- 2010 -- LIYE	WULING-WULINGZHIGUANG-2010-LIYE
Wuling - Wuling Zhiguang -2010-SHIYONG	WULING-WULINGZHIGUANG-2010-SHIYONG
Wuling-wuling Zhiguang -2010-XINLIYE	WULING-WULINGZHIGUANG-2010-XINLIYE
Wuling - Wuling Zhiguang -2013-SHIYONG	WULING-WULINGZHIGUANG-2013-SHIYONG
Wuling-wuling Zhiguang -- 2015	WULING-WULINGZHIGUANG-2015
Isuzu -C-2010	WUSHILING-C-2010
Isuzu -DMAX-20152018	WUSHILING-DMAX-20152018
Isuzu -MU-2015	WUSHILING-MU-2015
Isuzu -NPR66L(Isuzu -NHR55ELDWCJ)	WUSHILING-NPR66L(WUSHILING-NHR55ELDWCJ)
Isuzu - Pickup -2009	WUSHILING-PIKA-2009
Isuzu - Pika -2009-2	WUSHILING-PIKA-2009-2
Five Signs - Altridge 1700-0000	WUZHENG-AOCHI1700
Xiali-a +-20102011	XIALI-A+-20102011

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Type of vehicle	Car model code
Xiali-N3-2004	XIALI-N3-2004
Shelly -N3-2008	XIALI-N3-2008
Xiali-genya -2006	XIALI-SHENYA-2006
Xiali-TJ7131-2002	XIALI-TJ7131-2002
Hyundai - Grui -2013	XIANDAI-GERUI-2013
Xiandai -- Gerui -- 20152016	XIANDAI-GEYUE-20152016
Hyundai - Hui Yi -2011	XIANDAI-HUIYI-2011
Hyundai -I30-2009	XIANDAI-I30-2009
Hyundai -IX25-2015	XIANDAI-IX25-2015
Hyundai -IX35-2010~2012	XIANDAI-IX35-2010~2012
Hyundai -IX35-2013	XIANDAI-IX35-2013
Hyundai - Genesis -20152016	XIANDAI-JIEENSI-20152016
Hyundai - Coolpad -2004	XIANDAI-KUPAI-2004
Hyundai - Coolpad -2006	XIANDAI-KUPAI-2006
Xiandai-langdong -20122013	XIANDAI-LANGDONG-20122013
Hyundai - Langdong -2015	XIANDAI-LANGDONG-2015
Hyundai - Langdong -2016	XIANDAI-LANGDONG-2016
Hyundai - Genesis Coolpad -20092010	XIANDAI-LAOENSIKUPAI-20092010
Hyundai - Genesis Coolpad -2012	XIANDAI-LAOENSIKUPAI-2012
Xiandai - Leading -2016	XIANDAI-LINGDONG-2016
Hyundai -- Lingxiang -- 2009	XIANDAI-LINGXIANG-2009
Hyundai - Mingtu -20132014	XIANDAI-MINGTU-20132014
Hyundai - Mingtu -2017	XIANDAI-MINGTU-2017
Xiandai - Mingtu -2009	XIANDAI-MINGYU-2009
Hyundai - Brand New Shengda -2013	XIANDAI-QUANXINSHENGDA-2013
Hyundai - New Shengda -20132015	XIANDAI-QUANXINSHENGDA-20132015
Xiandai - New Shengda -2017	XIANDAI-QUANXINSHENGDA-2017
Xiandai - Rui Feng -2007	XIANDAI-RUIFENG-2007
Hyundai - Ruifeng -2011	XIANDAI-RUIFENG-2011
Hyundai - Ruina -2010	XIANDAI-RUINA-2010
Xiandai-ruina -2014	XIANDAI-RUIYI-2014

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Type of vehicle	Car model code
Hyundai - Shengda -2007	XIANDAI-SHENGDA-2007
Hyundai - Shengda -2011	XIANDAI-SHENGDA-2011
Hyundai - Santa Fe -2005~2007	XIANDAI-SHENGDAFEI-2005~2007
Hyundai - Sonata -2004	XIANDAI-SUONATA-2004
Hyundai - Sonata -200420062008	XIANDAI-SUONATA-200420062008
Hyundai - Sonata -2006	XIANDAI-SUONATA-2006
Hyundai - Sonata -2008	XIANDAI-SUONATA-2008
Hyundai - Sonata - 8-2010	XIANDAI-SUONATA8-2010
Hyundai - Sonata 8-20132015	XIANDAI-SUONATA8-20132015
Hyundai - Sonata 9-20152017	XIANDAI-SUONATA9-20152017
Hyundai - Sonata 9-2017	XIANDAI-SUONATA9-2017
Hyundai - Sonata 9-2017-GLX	XIANDAI-SUONATA9-2017-GLX
Hyundai - Sonata 9-2017-GX	XIANDAI-SUONATA9-2017-GX
Hyundai - Tlaka -2004	XIANDAI-TELAKA-2004
Hyundai - Tucson -2006	XIANDAI-TUSHENG-2006
Hyundai - Tucson -2009	XIANDAI-TUSHENG-2009
Hyundai - Tucson -2013	XIANDAI-TUSHENG-2013
Hyundai - Tucson -2015	XIANDAI-TUSHENG-2015
Hyundai -Veloster -2011	XIANDAI-VELOSTERFEISI-2011
Hyundai - Velosterfeisi -2015	XIANDAI-VELOSTERFEISI-2015
Xiandai - Velax -2009	XIANDAI-WEILAKESI-2009
Xiandai - New Shengda -2006-JINKOU	XIANDAI-XINSHENGDA-2006-JINKOU
Hyundai - Xinshengda -2010-JINKOU	XIANDAI-XINSHENGDA-2010-JINKOU
Hyundai - Accent -20082009	XIANDAI-YASHENTE-20082009
Hyundai - Accent -2010-JINKOU	XIANDAI-YASHENTE-2010-JINKOU
Xiandai - Yashente -2011	XIANDAI-YASHENTE-2011
Modern - Elegant -2009	XIANDAI-YAZUN-2009
Xiandai-yazun -20112012-JINKOU	XIANDAI-YAZUN-20112012-JINKOU
Xiandai-elantra -2004	XIANDAI-YILANTE-2004
Hyundai - Yilante -2007	XIANDAI-YILANTE-2007

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Type of vehicle	Car model code
Xiandai - Yilante -2011	XIANDAI-YILANTE-2011
Xiandai-yilante -- 2008~2010	XIANDAI-YUEDONG-2008~2010
Hyundai - Yuedong -2011	XIANDAI-YUEDONG-2011
Hyundai - Yuedong -2015	XIANDAI-YUEDONG-2015
Hyundai - Yue Moving-2016	XIANDAI-YUEDONG-2016
Hyundai - Yuedong -2017	XIANDAI-YUEDONG-2017
Hyundai - Yuedong -2016	XIANDAI-YUENA-2016
Hyundai - Yuxiang -2005	XIANDAI-YUXIANG-2005
Chevrolet -- Aveo -- 20112013	XUEFULAN-AIWEIOU-20112013
Chevy - Aiweiou -2014	XUEFULAN-AIWEIOU-2014
Chevy - Trancor -2016	XUEFULAN-CHUANGKU-2016
Chevy - Chuangku -2017	XUEFULAN-CHUANGKU-2017
Chevy - Vista -20052006	XUEFULAN-JINGCHENG-20052006
Chevy - Jingcheng -20072008	XUEFULAN-JINGCHENG-20072008
Chevy - Jingcheng -200820112012	XUEFULAN-JINGCHENG-200820112012
Chevy - Jingcheng -201020112012	XUEFULAN-JINGCHENG-201020112012
Chevy - Cruze -2013	XUEFULAN-KELUZI-2013
Chevy - Cruze -2015	XUEFULAN-KELUZI-2015
Chevy - Cruze -2015-2	XUEFULAN-KELUZI-2015-2
Chevrolet - Cruze -20172018	XUEFULAN-KELUZI-20172018
Chevrolet Cruze AT-2009	XUEFULAN-KELUZIAT-2009
Chevy - Cruze MT-2009	XUEFULAN-KELUZIMT-2009
Chevy - Camaro -2012	XUEFULAN-KEMAILUO-2012
Chevy - Kopaci -2010-JINKOU	XUEFULAN-KEPAQI-2010-JINKOU
Chevy - Kopaci -20142015	XUEFULAN-KEPAQI-20142015
Chevy - Kovoz -2016	XUEFULAN-KEWOZI-2016
Chevy - Aveo -2005	XUEFULAN-LECHENG-2005
Chevy - Lezzi -2008	XUEFULAN-LECHI-2008
Chevrolet - Music -20062007	XUEFULAN-LEFENG-20062007
Chevy - Lefeng -2009	XUEFULAN-LEFENG-2009
Chevy - Lefeng RV-2016	XUEFULAN-LEFENGRV-2016

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Type of vehicle	Car model code
Chevrolet Malibu -2012~2014	XUEFULAN-MAIRUIBAO-2012~2014
Chevrolet - Malibu -20162017	XUEFULAN-MAIRUIBAO-20162017
Chevrolet - Malibu XL-20162017	XUEFULAN-MAIRUIBAOXL-20162017
Chevy - Sail -2004	XUEFULAN-SAIOU-2004
Chevy - Sail -20102012	XUEFULAN-SAIOU-20102012
Chevrolet - Sail -20152016	XUEFULAN-SAIOU-20152016
Chevy - Surveyor -2017	XUEFULAN-TANJIEZHE-2017
Citroen - Elysee -20042007	XUETIELONG-AILISHE-20042007
Citroen - Elysee -2009~2013	XUETIELONG-AILISHE-2009~2013
Citroen - Elysee -2014	XUETIELONG-AILISHE-2014
Citroen - Elysee -2017	XUETIELONG-AILISHE-2017
Citroen - Picasso -2004	XUETIELONG-BIJIASUO-2004
Citroen - Picasso -2007	XUETIELONG-BIJIASUO-2007
Citroen -C2-2010	XUETIELONG-C2-2010
Citroen -C3XR-20152017	XUETIELONG-C3XR-20152017
Citroen -C4L-2014	XUETIELONG-C4L-2014
Citroen -C4L-2016	XUETIELONG-C4L-2016
Citroen -C4 Picasso -20142015-JINKOU	XUETIELONG-C4PICASSO-20142015-JINKOU
Citroen -C4 Picasso -2015-JINKOU	XUETIELONG-C4PICASSO-2015-JINKOU
Citroen -C4 Sega -2016	XUETIELONG-C4SHIJIA-2016
Citroen -C5-2011	XUETIELONG-C5-2011
Citroen -C5-2014~2016	XUETIELONG-C5-2014~2016
Citroen -DS4-2012	XUETIELONG-DS4-2012
Citroen -DS5-2012	XUETIELONG-DS5-2012
Citroen - Fukang -200420052007	XUETIELONG-FUKANG-200420052007
Citroen - Senna -20042005	XUETIELONG-SAINA-20042005
Citroen - Sega -2007	XUETIELONG-SHIJIA-2007
Citroen - Sega -200820092011	XUETIELONG-SHIJIA-200820092011
Citroen - Sega -20122013	XUETIELONG-SHIJIA-20122013
Citroen - Sega -2014-VTS	XUETIELONG-SHIJIA-2014-VTS

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Type of vehicle	Car model code
Citroen - Tiat -2017	XUETIELONG-TIANYI-2017
Yandai -1027 series -2010	YANTAI-1027XILIE-2010
Yantai-YTQ5031CCYWF5TV-0000	YANTAI-YTQ5031CCYWF5TV
Mustang -T70-2016	YEMA-T70-2016
Infiniti -ESQ-2014	YINGFEINIDI-ESQ-2014
Infiniti -EX35-2008	YINGFEINIDI-EX35-2008
Infiniti -FX-2007	YINGFEINIDI-FX-2007
Infiniti -FX-2009	YINGFEINIDI-FX-2009
Infiniti -GXI-2007	YINGFEINIDI-GXI-2007
Infiniti -GXI-2009	YINGFEINIDI-GXI-2009
Infiniti -GXI-2010~2013	YINGFEINIDI-GXI-2010~2013
Infiniti -JX-20112013	YINGFEINIDI-JX-20112013
Infiniti -M-2011~2013	YINGFEINIDI-M-2011~2013
Infiniti -Q50L-20152016	YINGFEINIDI-Q50L-20152016
Infiniti -- Q50L-20152016-HAOHUA	YINGFEINIDI-Q50L-20152016-HAOHUA
Infiniti -- Q70L-20152017	YINGFEINIDI-Q70L-20152017
Infiniti -QX-2011	YINGFEINIDI-QX-2011
Infiniti -QX30-20162017	YINGFEINIDI-QX30-20162017
Infiniti -QX50-2015	YINGFEINIDI-QX50-2015
Inta-cj1041YT-0000	YINGTIAN-CJ1041YT
Faw-pentium B30-2014~2017	YIQI-BENTENGB30-2014~2017
Faw-pentium B50-2012	YIQI-BENTENGB50-2012
Faw-pentium B50-2013	YIQI-BENTENGB50-2013
Faw-pentium B50-2016	YIQI-BENTENGB50-2016
Faw-pentium B50-20162018	YIQI-BENTENGB50-20162018
Faw-pentium B70-2012	YIQI-BENTENGB70-2012
Faw-pentium B70-2014	YIQI-BENTENGB70-2014
Faw-pentium B90-2016	YIQI-BENTENGB90-2016
Faw-pentium X80-2013	YIQI-BENTENGX80-2013
Faw -- Hongqi Shengshi -- 2009	YIQI-HONGQISHENGSHI-2009
Faw-jiabao T51-2011	YIQI-JIABAOT51-2011

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Type of vehicle	Car model code
Faw-jiabao T55-2011	YIQI-JIABAOT55-2011
Faw-jiabao V52-20102011	YIQI-JIABAOV52-20102011
Faw-jiabao V52-2011	YIQI-JIABAOV52-2011
Faw-jiabao V55-2011	YIQI-JIABAOV55-2011
Faw-jiabao V70-2012	YIQI-JIABAOV70-2012
Faw-jiabao V80-2013	YIQI-JIABAOV80-2013
Faw -- Jiefang Baoling -- 0000	YIQI-JIEFANGBALING-0000
Faw-jiefangbaling 3-0000	YIQI-JIEFANGBALING3-0000
Faw-jiefangbaling V-0000	YIQI-JIEFANGBALINGV
Faw-jiefangbalingv S230-0000	YIQI-JIEFANGGONGSHIS230
Faw - Jiefang Hongta Jinka -0000	YIQI-JIEFANGHONGTAJINGKA
Faw-jiefang Tiger V-0000	YIQI-JIEFANGHUV-0000
Faw-jiefang J6F-0000	YIQI-JIEFANGJ6F
Faw-jiefang Jiabao-2000	YIQI-JIEFANGJIABAO-2000
Faw -- Jiefang Jinling -- 0000	YIQI-JIEFANGJINLING-0000
Faw-junpai A70-2016	YIQI-JUNPAIA70-2016
FAW-JunpaiaD60-2015	YIQI-JUNPAID60-2015
FAW-JunpaiD60-2016	YIQI-JUNPAID60-2016
Faw-kuncheng -- 2012	YIQI-KUNCHENG-2012
Faw-oulang -- 2012~2014	YIQI-OULANG-2012~2014
Faw-senya M80-20092011	YIQI-SENYAM80-20092011
Faw-senya R7-20162017	YIQI-SENYAR7-20162017
FAW-SenYARS80-2013	YIQI-SENYAS80-2013
FAW-SenYAS-S80-2015	YIQI-SENYAS80-2015
Faw-gm 501-0000	YIQI-TONGYONG501-0000
Faw-gm Xiaojiefang -0000	YIQI-TONGYONGXIAOJIEFANG-0000
FAW-Wile-2004	YIQI-WEILE-2004
FAW-Weile-2008	YIQI-WEILE-2008
FAW-Weile-20082011	YIQI-WEIZHI-20082011
FAW-Weizhi-2011-Shushi	YIQI-WEIZHI-2011-SHUSHI
Faw-weizhi V2-2010	YIQI-WEIZHIV2-2010

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FAW-WeIZhiV5-2013	YIQI-WEIZHIV5-2013
FAW-Weiz-20042011	YIQI-WEIZI-20042011
FAW-Xiali-2000	YIQI-XIALI-2000
FAW-Xiali-2012	YIQI-XIALI-2012
Faw-xiali N3-2012	YIQI-XIALIN3-2012
Faw-xiali N5-2014	YIQI-XIALIN5-2014
Faw-xiali N7-2013	YIQI-XIALIN7-2013
Faw New Energy - Jiabao V80EV-2016	YIQIXINNENGYUAN-JIABAOV80EV-2016
Iveco - Baodi -2013	YIWEIKE-BAODI-2013
Iveco - Smug -2009	YIWEIKE-DEYI-2009
Iveco - Deyi -2012	YIWEIKE-DEYI-2012
Iveco - Torino -2004	YIWEIKE-DULING-2004
Iveco - Torino -2009	YIWEIKE-DULING-2009
Iveco -JH8810-2007	YIWEIKE-JH8810-2007
Iveco -TURBODAILY-2011	YIWEIKE-TURBODAILY-2011
Yongyuan -A380-2014	YONGYUAN-A380-2014
Royal Jet -Q5S-2014	YUJIE-Q5S-2014
Yu Sheng-S330-2016	YUSHENG-S330-2016
Yusheng -S350-20112012	YUSHENG-S350-20112012
Yusheng -S350-2013	YUSHENG-S350-2013
Yusheng -S350-20162017	YUSHENG-S350-20162017
Zhitou -D1-2016	ZHIDOU-D1-2016
Zhidou -D2-2015	ZHIDOU-D2-2015
Zhidou-D2-2017	ZHIDOU-D2-2017
Zhidou-60H-2017	ZHINUO-60H-2017
Sinotruk - Howo Warrior	ZHONGGUOZHONGQI-HOWOHANJIANG
Sinotruk - Howohanzong	ZHONGGUOZHONGQI-HOWOTONGSHUAI
Sinotruk Hauman-H3	ZHONGGUOZHONGQIHAOMA-H3
Zhongzhong-H230-2012	ZHONGHUA-H230-2012
Zhonghua-H330-2013	ZHONGHUA-H330-2013
Zhonghua-H530-20112012	ZHONGHUA-H530-20112012

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Zhonghua-h530-2014 ~2017	ZHONGHUA-H530-2014~2017
Zhonghua-junjie -- 2007	ZHONGHUA-JUNJIE-2007
Zhonghua - Junjie -2011	ZHONGHUA-JUNJIE-2011
Zhonghua - Junjie CROSS-2010	ZHONGHUA-JUNJIECROSS-2010
Zhonghua - Junjiecross - FRV-2008	ZHONGHUA-JUNJIEFRV-2008
Zhonghua - JunjieFRV -2010	ZHONGHUA-JUNJIEFRV-2010
Zhonghua - JunjiefrV -2009	ZHONGHUA-JUNJIEFSV-2009
Zhonghua-JunjieFSV-2011	ZHONGHUA-JUNJIEFSV-2011
Zhonghua-kubo -2007	ZHONGHUA-KUBAO-2007
Zhonghua-V3-20152016	ZHONGHUA-V3-20152016
Zhonghua-V5-2012	ZHONGHUA-V5-2012
Zhonghua-V5-20142016	ZHONGHUA-V5-20142016
Zhonghua - Zhonghua -2002	ZHONGHUA-ZHONGHUA-2002
Zhonghua - Zunchi -2004	ZHONGHUA-ZUNCHI-2004
Truk Ace -7-0000	ZHONGQIWANGPAI-7
Zhongshun - Century -2006	ZHONGSHUN-SHIJI-2006
Zhongshun - Shiji -2006-2	ZHONGSHUN-SHIJI-2006-2
Zhongtai -2008-2008	ZHONGTAI-2008-2008
Zhongtai-5008-2008	ZHONGTAI-5008-2008
Zhongtai-5008-2010	ZHONGTAI-5008-2010
Zotye - Damai X5-2015~2017	ZHONGTAI-DAMAIX5-2015~2017
Zhongtai - Damaix7-20162017	ZHONGTAI-DAMAIX7-20162017
Zhongtai-E20-2014	ZHONGTAI-E20-2014
Zhongtai-e200-2014 ~2017	ZHONGTAI-E200-2014~2017
Zhongtai - Jiangnan TT-2010	ZHONGTAI-JIANGNANTT-2010
Zhongtai -- M300-2010	ZHONGTAI-M300-2010
Zhongtai-SR7-2016	ZHONGTAI-SR7-2016
Zotye -SR9-2017	ZHONGTAI-SR9-2017
Zhongtai-T600-2014-Luhu	ZHONGTAI-T600-2014-LUHU
Zhongtai-t600-2014 ~2017	ZHONGTAI-T600-2014~2017
Zhongtai-T600-2018	ZHONGTAI-T600-2018

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Type of vehicle	Car model code
Zhongtai-t600coupe -2017	ZHONGTAI-T600COUPE-2017
Zhongtai-T700-2017	ZHONGTAI-T700-2017
Zhongtai-V10-2011	ZHONGTAI-V10-2011
Zhongtai-Z100-2013	ZHONGTAI-Z100-2013
Zhongtai-Z200-2011	ZHONGTAI-Z200-2011
Zhongtai-Z300-2012	ZHONGTAI-Z300-2012
Zhongtai-Z300-2016	ZHONGTAI-Z300-2016
Zhongtai-z500-20152016 (Zhongtai-Z560-2017)	ZHONGTAI-Z500-20152016(ZHONGTAI-Z560-2017)
Zhongtai-Z700-2016	ZHONGTAI-Z700-2016
Zhongtai - Zhima -2017	ZHONGTAI-ZHIMA-2017
Zhong-C3-2014	ZHONGXING-C3-2014
Zhongxing -GX3-2015	ZHONGXING-GX3-2015
Zhongxing -- Overlord -- 20162018	ZHONGXING-LINGZHU-20162018
Zhongxing - Flagship A9-2009	ZHONGXING-QIJIANA9-2009
Zhongxing -- Weihu -- 2011~2017	ZHONGXING-WEIHU-2011~2017
Zhongxing Weihu G3-2012	ZHONGXING-WEIHUG3-2012
Zhongxing-Weihu-G3-2013	ZHONGXING-WEIHUG3-2013
Zhongxing -- Little Tiger -- 2015	ZHONGXING-XIAOLAOHU-2015
Zhongxing - Xintian Field -2003	ZHONGXING-XINTIANYE-2003

7.1.8 Type Table of Vehicle Logo

Coding	Name
A0	Audi
A1	Alpha Romeo
A2	Ankai Bus
A3	Anyuan Bus
A4	Aston Martin
A5	Ossein
A6	Antong Bus
B0	Benz
B1	Beijing Automotive

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Coding	Name
B2	Bugadi
B3	Buick
B4	Bentley
B5	BMW
B6	Porsche
B7	Honda
B8	Pentium
B9	BYD
BA	Peugeot
BB	Beiqi Weiwang
BC	Baojun
BD	Baic magic speed
BE	Gems
BF	Pekin
BG	Northbound heavy truck
BH	Northern Coach
BI	Galloping horses
BJ	Baic Manufacturing
BK	Bbos
BL	Baostrals
BM	Borgward
BN	Beiqi Daoda
BO	Specific speed
BP	Made in Beijing
BQ	Bugatti
C0	Chang 'an
C1	The Great Wall
C2	Changfeng
C3	Sichuan Steam Mustang
C4	Changhe
C5	Chang 'an Crossing

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Coding	Name
C6	Changan Bus
C7	Cyan
C8	Changan Auchan
C9	Successful
CA	Chu
CB	Chufeng School Bus
CC	Changan School Bus
CE	Long deer bus
D0	East Wind
D1	Daihatsu
D2	Dongfeng Fengshen
D3	Emgrand
D4	Southeast
D5	Dodger
D6	Volkswagen
D7	Daewoo
D8	Dongfeng Liuqi
D9	D9
DA	Dongfeng Bus
DB	Dongfeng Nissan Chai
DC	The East is Red
DD	East wind Yangtze River
DE	DS
DF	Dacia
DG	Datsun
DH	Daewoo Bus
DI	Electric coffee
DJ	Dongfeng Shenyu
DK	Dongfeng Nanchong
DL	Chase Bus
F0	Flying saucer

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Coding	Name
F1	Ferrari
F2	Toyota
F3	Ford
F4	Foton
F5	Fiat
F6	Faddy
F7	Foton Era
F8	Foton Bus
F9	Toyota Reishi
FA	Toyota Coach
FB	Flying Bus
FC	Foda
FD	Ford Kai Teng
FE	Foton Crew
FF	Foton Daimler
G0	GMC
G1	Guangzhou Automobile Group
G2	Gac Hino
G3	Gac Ggio
G4	Qoros
G5	Kogang
G7	Gac Bus
H0	Hafei
H1	Hwanghae
H2	Hummer
H3	Seahorse
H4	Wap
H5	Red Flag
H6	Huatai
H7	Crown
H8	Valin

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Coding	Name
H9	Haver
HA	Hager
HB	Hager Coach
HC	Red Rock
HD	Yellow Sea Bus
HE	Huizhong
HF	Hengshan Bus
HG	Hai Quan
HH	Hanten
HI	Panther
HJ	Hengtian
HK	UPI
HL	Huakai
HM	Wally
HN	Hwa Song
HO	Horton
HP	Hwa Chong
HQ	West China Bus
HR	Hengtong Bus
HS	Yellow Sea Trucks
HT	Howo Bus
HU	Joint passenger car
HV	Yellow Sea School Bus
HW	Yangzi Bus
J0	Geo
J1	Jaguar
J2	Gold Cup
J3	JAC
J4	Jillie
J5	Kowloon Motor
J6	Jeep Jeep

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Coding	Name
J7	Jiang Ling
J8	Golden Dragon
J9	Tauri
JA	Jiangling Bus
JB	Golden Brigade
JC	Golden Dragon Bus
JD	Gold Passenger Car
JE	Jac BUS
JF	River Ring
JH	Giemsi
JI	Jiangling New Energy
JJ	Jiangxi Isuzu
JK	Yoshiumi
JL	Jl England
JM	JM
JN	Giang Teh
JO	Emancipation Bus
JP	Gijang Bus
JQ	Jinbei bus
JR	Jingma Bus
JS	Kinnan Bus
JT	Kowloon Coach
K0	Cadillac
K1	Chrysler
K2	Koenigseg
K3	Karry
K4	Condy
K5	Kkema
K6	Karlsen
K7	Kwing
K8	Kwei

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Coding	Name
K9	Kievo
L0	Lamborghini
L1	Lifan
L2	Land breeze
L3	Land Rover
L4	Lotus
L5	Lotus Cars
L6	Lincoln
L7	Lexus
L8	Suzuki
L9	Renault
LA	Rolls-Royce
LB	Cheetah
LC	Concept
LD	Land Ark
LE	Union Truck
LF	Lada
LG	Lancia
LH	Reading
LI	Lifan Shijun
LJ	Lynk
LK	Collar Flag
LL	Long Khe
LM	Rayling
M0	Maybach
M1	McLaren
M2	MINI Mini
M3	A Maserati
M4	Mazda
MG	MG
M5	Opel

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Coding	Name
M6	Acura
M7	mann
M8	Peony bus
M9	Morgan 4
N0	Nanjing Iveco
N1	Luxgen
N2	Nan Jun
N3	South Locomotive Era
N4	NEVS
P0	Pagani
Q0	Global Hawk
Q1	Chery
Q2	Kia
Q3	Venuca
Q4	Youth Coach
Q5	The Promise
Q6	Moped
R0	Nissan
R1	Riich
R2	Roewe
R3	Ritsch
S0	Sabo
S1	Subaru
S2	Double rings
S3	Shanghai England
S4	Spyker
S5	Skoda
S6	Mitsubishi
S7	Ssangyong
S8	Shaanxi Automobile
S9	Saic Maxus

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Coding	Name
SA	Saab
SB	Shifeng
SC	Ten Passes
SD	Three ring ten pass
SE	Sany Heavy Industry
SF	Five signs of Shandong
SG	Shin Long Bus
SH	Shenwo Bus
SI	Si Ming
SJ	Scania
SK	SMART
SL	Shaolin Bus
SM	Sain
SN	Shi Jun
SO	Svay
SP	Shangrao Bus
SQ	Saic Hongyan
SR	Saic Leap Forward
ST	Set Coach
SU	Shangrao School bus
SV	Relaxation bus
SW	SWM
T0	Tang Jun
T1	Tesla
T2	Concentric Bus
T3	Denza
W0	Volvo
W1	Vilin
W2	Wuling Automobile
W3	Wiesmann
W4	Isuzu

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Coding	Name
W5	Wuling
W6	Five Signs
W7	Ace Kamikaze
W8	Weichai Yingzhi
W9	WEY
WA	Wuling School Bus
WB	Wanda Bus
WC	Wuling Bus
WD	Wuzhou Dragon Bus
X0	Modern
X1	Chevy
X2	Chali
X3	Citroen
X4	Seat
X5	New land
X6	Xugong
X7	Xugong heavy truck
X8	Westlands Bus
X9	Sevo Bus
XA	Modern bus
Y0	Infiniti
Y1	FAW
Y2	Iveco
Y3	Eita
Y4	Faw Lute
Y5	Expedition
Y6	Leap Forward
Y7	Yutong Bus
Y8	Drive to Victory
Y9	Swallow Terrace
YA	substar

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Coding	Name
YB	Mustang
YC	Yongyuan
YE	Royal Chop
YF	A tow of heavy trucks
YG	Yutong School bus
YH	Faw Hongta
YI	Faw bus
YK	Friendship bus
YL	Koshi Bus
YM	Yuzhou bus
Z0	Chunghwa
Z1	Zotye
Z2	ZTE
Z3	Sinotruk
Z4	Truk Ace
Z5	Zto Express
Z6	Know beans
Z7	Medium Cis
Z8	Zino
Z9	Zoomlion
ZA	Sinotruk, hao,
ZB	Diamond Bus
ZD	CRRC passenger cars
ZE	Heavy duty bus
99	Unknown
98	To be identified

7.1.9 Vehicle Type

Code	Vehicle type
0	Tricycle
1	Bus

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Code	Vehicle type
2	Compact car
3	Mid-sized car
4	Large car
5	Two-wheeler
6	Motorcycle
7	Tractor
8	Farm van
9	Sedan
10	SUV
11	Van
12	Minivan
13	Minibus
14	Bus/jumbo bus
15	Large van
16	Pickup truck
17	Commercial vehicle
18	Sports Car
19	Minicar
20	Hatchback
21	Notchback
22	Light passenger car
23	Medium van
24	Trailer
25	Tank Car
26	Sprinkler
998	Unknown
999	Other

7.1.10 Types of Violations

Type of Violation Description	Illegal Type Code
Occupying a non-motorized lane	1018

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Type of Violation Description	Illegal Type Code
Occupy a dedicated lane/Occupy a dedicated bus lane	1019
No entry lane for lorries/Yellow Card No entry lane for large lorries/off-site licence	1116
Line pressing/double yellow line pressing/single yellow line pressing/crossing (illegal lane change)	1117
Illegal U-turn	1121
Reversing	1124
Turn not to go straight	1313
Not yielding to pedestrians	1357
Retrograde	1373
Occupying emergency lanes	1622
Running red Lights	1625
Non-motor vehicles going the wrong way	2004
Non-motor vehicles running red lights	2007
Occupation of motor lanes	2009
Pedestrians running red lights	3001
Big bend and small turn	6088
Stopping at a red light	6090
Failure to follow lane	6095
Illegal left/illegal right/illegal straight	6095
Illegal parking	10393
No helmets for non-motor vehicles	12072
Green light follow through	12280
Green stop	16251
Manned	80031
Go green	8002A
Pressure stop line	138002
Overspeed	142001

7.1.11 Lane Types

Lane Type Code	Lane type
0	Motor vehicle lane/regular lane
1	Non-motorized lanes

Lane Type Code	Lane type
2	Bus lanes
3	No lanes for vans
4	Emergency lanes
99	Other

7.1.12 Lane Directions

Lane Direction Codes	Lane direction description
1	Straight line
2	Left turn
4	Right turn
8	U-turn

7.1.13 Direction of Travel

Driving direction code	Driving direction description
01	East to West
02	West to East
03	South to North
04	North South
05	Southeast to Northwest
06	Northwest to Southeast
07	Northeast to Southwest
08	Southwest to Northeast

7.1.14 Image Type

Code	Instructions
1	Snap the panorama/background shot
2	Small picture of the goal
3	License plate binary diagram
4	Master driver facial features diagram
5	Map of the first officer's facial features
6	Car logo

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Code	Instructions
7	Composite diagram for violation
8	Cross car composite diagram
9	Close-up of the vehicle
10	Id photo pictures
11	Snap a small picture of your face
12	Small figure of the human body
13	Small drawing of motor vehicle
14	Non-motor vehicle small drawing
15	Large picture of face when structuring
16	Large picture of the human body when structuring
17	Large picture of motor vehicle when structuring
18	Non-motor vehicle large drawing when structured
19	Pedestrian close-up (Pedestrian running Red light mode)
20	Small picture of face (pedestrian running red light mode)
23	Structured motor vehicle, non-motor vehicle, person, license plate into a big picture
24	License plate big picture
25	Visible light pictures
26	Thermal imaging pictures
27	Linkage channel snap picture
28	Hard hat big picture
29	Hard hat sketch
30	Large picture of work clothes
31	Small drawing of work clothes

7.1.15 OSD Type

Code	Description
0	Not used
1	Custom
2	Time and date
3	PTZ controller
4	PTZ coordinates

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Code	Description
5	Cruise Information
6	Zooming Information
7	Preset Information
8	Alarm Information
9	Coded Information
10	Serial OSD
11	Head azimuth Information
13	Debug OSD
14	Head count OSD
15	Network port OSD
16	Time
17	Date
18	Esp OSD
19	Battery OSD
20	Rolling caption OSD
21	LOGO OSD
22	Vehicle flow at Skynet bayonet
23	Skynet bayonet non-motorized traffic flow
24	Skynet bayonet pedestrian flow
25	INFOOSD type number
26	Ambient volume OSD
27	Device latitude and longitude coordinates OSD
28	Face, machine non-human statistics OSD, Hybrid Detection use
29	Menu OSD
30	Face, machine non-human statistics OSD, traffic monitoring use
31	Foot traffic statistics OSD,
32	Person density count OSD

7.1.16 Channel Type

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Code	Description
VideoChannel	VideoChannel
Radar	Radar channel
InputSwitch	Input switching quantity
Lock	The lock

7.2 Alarm Linkage Action Parameter Table

7.2.1 Alarm Linkage Action Parameter Table

ActID	Description	IPC ActParam
3	Linked storage	Not Support
4	Linkage head preset	PresetActParamInfo (see 7.2.2 Pinion Preset for details)
5	Linkage switch output	OutputSwitchActParamInfo (See 7.2.3 Linkage Switch Output for details)
6	Linkage snaps	Null
8	Linkage Center Storage	Null
9	Linkage to start local storage	Null
10	Linkage stops local storage	Null
11	Linkage capture Upload FTP	Null
12	Linkage capture upload E-mail	Null
13	Linkage snap upload E-mail and FTP at the same time	Null
14	Smart linkage capture upload	Null
15	Linkage face small picture capture upload	Null
16	Linkage Alarm Reporting	Null
19	Working master/slave	Null
20	Linkage Attribute Capture	Null
21	Linkage picture cloud storage	Null
22	Linkage Automatic tracking	Null
28	Linkage sound alarm deployment	AudioLinkagePlanInfo (see 7.2.4 Linkage Sound Alarm Deployment for details)
29	Linkage light alarm deployment	LightLinkagePlanInfo (see 7.2.5 Linkage light alarm Deployment for details)

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30	Linkage FTP video storage	Null

7.2.2 Linkage PTZ Preset

7.2.2.1 Parameter Examples

```
{
   "Num":2,
   "ChannelPresetList":[
      {
         "ChannelID":1,
         "PresetID":1,
      },
      ...
   ]
}
```

7.2.2.2 Parameter Table

Parameter names	Whether required	Type of parameter	Description	The sample value
Num	true	unsigned long	Number of presets for linkage	M
ChannelPresetList	false	object[]	List of presets for linkage	C
+ChannelID	false	unsigned long	Video input channel number IPC does not require this field	1
+PresetID	true	unsigned long	Preset number	1

7.2.3 Linkage Switch Output

7.2.3.1 Parameter Example

```
{
   "Num":2,
   "IDs":[1,...]
}
```

7.2.3.2 Parameter Sheet

Parameter names	Whether required	Type of parameter	Description	Sample Values
Num	true	unsigned long	Linkage switch output number	M
IDs	false	integer[]	Linkage switch output channel number list	C

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			For NVR, the value is video channel number *100+ alarm output serial number, and the device itself channel number is 0 For VMS, the value is the serial number of its own maintenance	

7.2.4 Deploying an Audible Alarm

7.2.4.1 Parameter Examples


```
{
  "TimeMode":0,
  "AudioCustomInfo":{
    "Num":7,
    "Days":[
    {
      "ID":1,
      "Num":4,
      "TimeSectionInfos":[
      {
        "Enabled":0,
        "Begin":"00:00:00",
        "End":"23:59:59",
        "AudioActParamInfo":
        {
          "Enabled":1,
          "AudioFileID":1,
          "WarnCount":3,
          "AudioVolume":1,
        "VoiceTextContent":"Alarm${4}From${2}"
        }
      },
      …
      ]
    }
    ]
  },
  "AudioDayNightInfo":{
    "Num":7,
    "Days":[
    {
      "ID":0,
      "AudioDayInfo":{
        "Enabled":0,
        "AudioActParamInfo":{
          "Enabled":1,
          "AudioFileID":1,
          "WarnCount":3,
          "AudioVolume":1,
          "VoiceTextContent":"Alarm
        ${4}From${2}"
        }
      },
      "AudioNightInfo":{
        "Enabled":0,
        "AudioActParamInfo":{
          "Enabled":1,
          "AudioFileID":1,
          "WarnCount":3,
          "AudioVolume":1,
```


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```
            "VoiceTextContent":"Alarm
          ${4}From${2}"
          }
        }
      },
      ...
      ]
    }
}
```

7.2.4.2 Parameter table

Parameter names	Type	Required	Description
TimeMode	integer	true	Linkage time Period Types 0: User-defined schedule mode 1: Day and night mode
AudioCustomInfo	object	false	Custom mode Linkage Sound Defense Information Details. This parameter is mandatory when the PUT message is set to 0 or the TimeMode message is set to 0
+Num	integer	true	Plan days IPC fixed at 7(7 days a week)
+Days	object[]	true	List of Monitor Plans for each day of the week
++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
++Num	integer	true	Number of time slots per day The number of IPC segments is fixed at 4
++TimeSectionInfos	object[]	true	Configuration Information about deploying defense in a time range Time segments of the same day cannot coincide
+++Enabled	integer	true	Enable the defense time range 0: disables 1: enabled
+++Begin	string	true	Start time. The format is hh:mm:ss Length range: [0, 31]
+++End	string	true	End time in the format hh:mm:ss Length range: [0, 31]
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables the alarm 1: Enables the function
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3

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Parameter names	Type	Required	Description
			Unit: Number of times Not supported by VMS
++++AudioVolume	integer	false	Volume size, used to adjust the output gain when the alarm is generated Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs The device that ${1} belongs to ${2} Alarm source ${3} Alarm time ${4} Alarm type Supported by VMS only
AudioDayNightInfo	object	false	This parameter is mandatory when the PUT message and SupportDayNightMode is 1 and TimeMode is 1 or the GET message and SupportDayNightMode is 1
+Num	integer	true	Plan days IPC fixed at 7(seven days a week)
+Days	object[]	true	List of Monitor Plans for each day of the week
++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
++AudioDayInfo	object	true	Information about the defense configuration during the day
+++Enabled	integer	true	Enable defense deployment 0: disables 1: enabled
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables the alarm 1: enabled
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3 Unit: Number of times Not supported by VMS
++++AudioVolume	integer	false	Volume size, used to adjust the output gain when the alarm is generated Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs

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Parameter names	Type	Required	Description
			The device that ${1} belongs to ${2} Alarm source ${3} Alarm time ${4} Alarm type Supported by VMS only
++AudioNightInfo	object	true	Information about the night defense configuration
+++Enabled	integer	true	Enable defense deployment 0: disables 1: enabled
+++AudioActParamInfo	object	true	Audible alarm configuration
++++Enabled	integer	true	Audible alarm linkage is enabled 0: disables the alarm 1: enabled
++++AudioFileID	integer	true	Audio file ID, used to identify different audio files Not supported by VMS
++++WarnCount	integer	true	Number of audible alarms, range: [1, 50], default 3 Unit: Number of times Not supported by VMS
++++AudioVolume	integer	false	Volume size, used to adjust the output gain when the alarm is generated Range: [0, 255] Not supported by VMS
++++VoiceTextContent	string	false	For voice text content, the following properties can be used in addition to input text: Organization to which ${0} belongs The device that ${1} belongs to ${2} Alarm source ${3} Alarm time ${4} Alarm type Supported by VMS only

7.2.5 Deployment of Linkage Light Alarm

7.2.5.1 Parameter Examples

```
{
  "TimeMode":0,
  "LightCustomInfo":{
    "LightActParamInfo":{
      "Enabled":1,
      "Interval":10,
      "Luminance":50,
      "LightTime":5,
      "Num":2,
      "Actions":[
      {
        "LightType":1,
        "LightParam":{}
```

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```
      },
      ...
      ]
    },
    "LightWeekPlanInfo":{
      "Num":7,
      "Days":[
      {
        "ID":1,
        "Num":4,
        "TimeSectionInfos":[
        {
          "Enabled":0,
          "Begin":"00:00:00",
          "End":"23:59:59",
          "LightActParamInfo":{
            "Enabled":1,
            "Interval":10,
            "Luminance":50,
            "LightTime":5,
            "Num":2,
            "Actions":[
            {
              "LightType":1,
            "LightParam":{}
            },
            ...
            ]
          }
        },
        ...
        ]
      },
      ...
      ]
    }
  },
  "LightDayNightInfo":{
    "LightActParamInfo":{
      "Enabled":1,
      "Interval":10,
      "Luminance":50,
      "LightTime":5,
      "Num":2,
      "Actions":[
      {
        "LightType":1,
      "LightParam":{}
      },
      ...
      ]
    },
    "LightDayNightPlanInfo":{
      "Num":7,
      "Days":{
        "ID":1,
        "LightDayInfo":{
          "Enabled":0,
          "LightActParamInfo":{
            "Enabled":1,
            "Interval":10,
            "Luminance":50,
            "LightTime":5,
```

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```
            "Num":2,
            "Actions":[
            {
              "LightType":1,
            "LightParam":{}
            },
            ...
            ]
          }
        },
        "LightNightInfo":{
          "Enabled":0,
          "LightActParamInfo":{
            "Enabled":1,
            "Interval":10,
            "Luminance":50,
            "LightTime":5,
            "Num":2,
            "Actions":[
            {
              "LightType":1,
            "LightParam":{}
            },
            ...
            ]
          }
        }
      }
    }
  }
}
```

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7.2.5.2 Parameter table

Parameter names	Type	Required	Description
TimeMode	integer	true	Linkage time period type 0: User-defined schedule mode 1: Day and night mode
LightCustomInfo	object	false	Custom mode Linkage light defense Information Details. This parameter is mandatory when the PUT message and TimeMode is 0 or the GET message is displayed
+LightActParamInfo	object	true	Light alarm configuration
++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: Enables the function
++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used

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Parameter names	Type	Required	Description
++Actions	object[]	false	List of linkage light type Information, optional when Num is 0
+++LightType	integer	true	Type of lighting
+++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
+LightWeekPlanInfo	object	true	Linkage lighting monitor details
++Num	integer	true	Plan days IPC fixed at 7(seven days a week)
++Days	object[]	true	List of Monitor Plans for each day of the week
+++ID	integer	true	Index of the Week 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
+++Num	integer	true	Number of time slots per day The number of IPC segments is fixed at 4
+++TimeSectionInfos	object[]	true	Configuration Information about deploying defense in a time range Time segments of the same day cannot coincide
++++Enabled	integer	true	The defense deployment time range is enabled 0: disables 1: enabled
++++Begin	string	true	Start time, format hh:mm:ss Length range: [0, 31]
++++End	string	true	End time in the format hh:mm:ss Length range: [0, 31]
++++LightActParamInfo	object	true	Light alarm parameter Support Light linkage template Mandatory. For details, see 7.2.6 Template Configuration Capabilities
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type Information, optional when Num is 0

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Parameter names	Type	Required	Description
++++++LightType	integer	true	Lighting type
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
LightDayNightInfo	object	false	This parameter is mandatory when the PUT message and SupportDayNightMode is 1 and TimeMode is 1 or the GET message and SupportDayNightMode is 1
+LightActParamInfo	object	true	Light alarm configuration
++Enabled	integer	false	Light alarm linkage enabled 0: disables 1: enabled
++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
++Actions	object[]	false	List of linkage light type Information, optional when Num is 0
+++LightType	integer	true	Type of lighting
+++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
+LightDayNightPlanInfo	object	true	Linkage lighting monitor details
++Num	integer	true	Plan days IPC fixed at 7(seven days a week)
++Days	object	true	List of Monitor Plans for each day of the week
+++ID	integer	true	Weekly index 1: Monday; 2: Tuesday; 3: Wednesday; 4: Thursday; 5: Friday; 6: Saturday; 7: Sunday
+++LightDayInfo	object	true	Information about interlocking defense during the day
++++Enabled	integer	true	Enable defense deployment 0: disables 1: enabled
++++LightActParamInfo	object	false	Light alarm configuration
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled

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Parameter names	Type	Required	Description
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type Information, optional when Num is 0
++++++LightType	integer	true	Type of lighting
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table
+++LightNightInfo	object	true	Information about joint defense deployment at night
++++Enabled	integer	true	Enable defense deployment 0: disables 1: enabled
++++LightActParamInfo	object	false	Light alarm configuration
+++++Enabled	integer	false	Light alarm linkage is enabled 0: disables 1: enabled
+++++Interval	integer	true	Light alarm interval, unit range: [5, 60], default 10s
+++++Luminance	integer	false	Light brightness, range: [1, 1000], default 50
+++++LightTime	integer	false	Light alarm interval, unit range: [5, 60], default 10s This field is used when the human figure is connected to the old light
+++++Num	integer	false	This parameter is mandatory when multiple types of lights are linked. The Actions parameter is used
+++++Actions	object[]	false	List of linkage light type Information, optional when Num is 0
++++++LightType	integer	true	Type of lighting
++++++LightParam	object	true	For details about the mapping between LightType and LightParam, see 7.2.7 LightType Parameter Table

7.2.6 Template Configuration Capabilities

Parameter names	Whether required	Type of parameter	Description	Sample Values

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SupportLightTemplate	true	boolean	Whether the lighting template configuration is supported: 0: No 1: Supported	1
LightTemplateMaxNum	false	unsigned long	Supported light template configuration Mandatory. Set the maximum number of light templates.	1

7.2.7 Light Type Parameter Table

LightType	Description	IPC ActParam	NVR ActParam	VMS ActParam
1	White light	#LightParamInfo	Not Support	Not Support
2	Red and Blue Lights	#AlertLightParamInfo	Not Support	Not Support

7.3 Alarm Types

7.3.1 Main Type of the Common Alarm Log

Alarm Main Type/Alarm main Type (String)	Description of the main type of the alarm
AllTypes	All types
Network	Network configuration
Video & Audio	Audio & Video Configuration
PTZ	PTZ Configuration
Image Set	Image configuration
Smart	Smart configuration
Config Management	System Configuration
Operator	System operation
AlarmSet	Alarm parameter configuration
Storage	Storage
Alarm	Alarm

7.3.2 Public Alarm Day Sub-Type

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Alarm Main Type/Alarm subtype (String)	Description of the alarm subtype
IllegalLogin	Illegal access
Restart	Restart
Login	Login
Locked	lock
Import/Export Configuration	Configuration import/Export
IPC LIGHTAPI Upgrade	IPC LIGHTAPI Upgrade Information Upgrade command
Format Edge Storage	Format the front-end storage device
Result of Formatting Edge Storage	Formatting Edge storage results
High Temperature Alarm	High temperature Alarm
Low Temperature Alarm	Low Temperature Alarm
Temperature Alarm Cleared	Temperature alarm cleared
MotionAlarmOn	Motion detection alarm
MotionAlarmOff	Motion Alarm Recovery
MaskImageAlarmOn	Occlusion Detection alarm
MaskImageAlarmOff	Occlusion Alarm Recovery
InputAlarmOn	Switch quantity input alarm
InputAlarmOff	Inputalarmoff The alarm is cleared
AbnormalAudioOn	Sound detection alarm
AbnormalAudioOff	Audible alarm recovery
VoltageAlarmOn	Voltage detection alarm
VoltageAlarmOff	Voltage alarm recovery
LineDetectorCrossed	The out-of-line detection alarm
FieldDetectorObjectsInside	Area intrusion Alarm
ObjectIsRecognized	Face detection alarms
GlobalSceneChange	Scene Change Alarm
EnterArea	Enter Area Alarm

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LeaveArea	Leavearea Alarm
Loitering	Area wandering alarm
FenceCrossing	Fence jumping alarm
ObjectRemoved	Object Carer Alarm
ObjectLeftBehind	Item Left Behind Alarm
PeopleGathering	People Gathering Alarm
PeopleGatheringCleared	The gatheringcleared alarm is generated
FastMoving	Fast moving alarm
Parking	Parking alarms
AutoTrackingOn	Intelligent alarm tracking
AutoTrackingOff	Smart track alarm recovery
ConflagrationAlarm	Thermal imaging Conflagration alarm
ConflagrationAlarmEnd	Thermal imaging Conflagration alarm recovery
HumanShapeDetect	Human Detect Alarms
BodyTemperatureAlarm	Abnormal temperature alarm
NoMaskAlarm	Not wearing a mask alarm
CrowdDensityMinorAlarm	Person density Minor alarm
CrowdDensityMinorAlarmCleared	The person density alarm was cleared
CrowdDensityMajorAlarm	Person density Moderate alarm
CrowdDensityMajorAlarmCleared	The person density is moderate. The alarm is cleared
CrowdDensityCriticalAlarm	Person density Critical Alarm
CrowdDensityCriticalAlarmCleared	The person density major alarm is cleared
TemperatureDetectionAlarm	Thermal-imaging temperature alarms
ImageTooBlurryOn	ImagetooBlurryon
ImageTooBlurryOff	Image virtual focus alarm recovered
IllegalLogin	Illegal access alarm
IPConflict	IP conflict alarm

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HeatMap	Heat map
SafetyHelmetAlarm	Failure to wear a helmet alarm
WorkClothesAlarm	Workclothesalarm not wearing overalls
FaceRecognition	Face comparison alarm
FumesAlarmBegin	Smoke alarm
SmokingAlarm	Smoking alarm
AccessElevatorAlarm	Battery car access ladder detection alarm
AccessElevatorAlarmCleared	Battery car access ladder detection alarm recovery
FallingObjectsDetectionAlarm	High altitude projectile alarm
SmartMotionDetectOn	Smart Motion Detection Start alarm
SmartMotionDetectOff	Smart Motion Detection End alarm
Configure Network Port	Change network port Information
Configure Router	Change the routing configuration
Configure Port	Change the port configuration
Test FTP Sets	Test FTP configuration Information
Configure FTP Sets	Change the FTP client configuration
Configure DNS	Example Change the DNS server address
Configure SNMP	Change SNMP configuration
Enable/Disable HTTP	Change the HTTP enable configuration
Configure HTTPS	Change the HTTPS configuration
Configure UNP	Change the UNP configuration
Test Email Sets	Test EMAIL Sets
Configure Email Sets	Change the mail client configuration
Configure RTSP Authentication	The RTSP authentication mode is changed
Configure Port Mapping	Example Change port mapping configurations
Configure DDNS	Change DDNS configuration changes
Configure 802.1x	Change the 802.1x protocol configuration

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Configure QoS	Change QOS configuration
Enable/Disable Registration Info	Registration info Enable change
Configure HTTP Authentication	Change the LAPI Digest authentication enable
Configure IP Address Filtering	Change the ip address filtering Information configuration
Configure ARP Protection	Change the static Arp binding configuration
Configure Wi-Fi	WiFi parameter configuration
Configure Wi-Fi IP	Configure WiFi IP parameters
Cloud User Logout	Cloud user logout
Test DDNS Domain Name	DDNS domain name detection configuration
Enable/Disable Add Without Signup on Cloud	Cloud Add without signup on cloud
Enable/Disable Cloud	Cloud Information
Configure SDDP	SDDP configuration Information
Enable/Disable ALL NET Connect	All net connect
Configure Dual Network Port Mode	Configures the dual-network port mode
Turn On/Off Bluetooth	Bluetooth switch configuration
Refresh Bluetooth Available Devices	Bluetooth scan on operation
Pair Bluetooth Device	Bluetooth connection
Change Https Certificate	HTTPS certificate change
Configure Capture Mode	Change the capture mode
Configure Video Encoding Sets	Change the video encoding parameter Sets
Configure Analog Output Mode	Set analog output standard
Configure Snapshot	Change the capture configuration
Configure Audio Input	Change the audio input configuration
Configure Audio Output	Change the audio output configuration
Configure ROI	Configure ROI
Configure RTSP Multicast Address	Configure RTSP multicast address
Configure OSD Display Style	Change OSD style

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Configure OSD	Change Mask OSD configuration
Configure Privacy Mask	Change the privacy mask configuration
Configure PTZ Home Position	Head watch configuration
Enable/Disable PTZ Limit	The PTZ limit is enabled
PTZ Control	PTZ control
Configure PTZ Remote Control	Remote network control PTZ
Configure Resume Patrol Time	PTZ plan cruise recovery time
Enable/Disable Preset Snapshot	Preset linkage snap in cruise
Configure PTZ Limit	PTZ limit direction Information
Configure Wiper	Configure wiper parameters
Configure PTZ Speed Level	PTZ speed level configuration
Enable/Disable Quick Focus	Quick focus enable configuration
Configure Quick Focus Demarcation	Configure quick focus demarcation
Configure Patrol Plan	Configure smart patrol parameters around the ball
Configure PTZ Orientation	PTZ orientation Information
Configure External PTZ Limit	External PTZ range of motion
Configure Stop PTZ Control After Timeout	PTZ automatically stops configuration
Configure Image Enhancement	Image Enhancement parameters
Configure Smart Illumination	Fill light control parameters
Configure Defog	Fog penetration function
Configure Image Scene Switch	Automatic scene switch
Configure Scene	Scene base parameters
Configure Focus	Focus parameters
Configure White Balance	White balance parameters
Restore Image Defaults	Restore image defaults
Configure Image Stabilization	Image stabilization configuration
Configure Focal Length Limit	Focus limit

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Configure Default Scene	Default scene ID
Configure Current Scene	Current scene ID
Configure Lens Type	Set of the lens type
Configure Lens	Lens Configuration
Configure Dewarping	Distortion correction
Configure Back Focus	Set back focus
Configure Far End Enlarge	Far end enlarge
Configure Fisheye Dewarping	Fisheye correction configuration
Enable/Disable Smart Functions	Smart enables changes
Configure Smart Rules	smart Configure smart rules
Configure Parking Lot Plate Detection	Parking lot Plate Detection
Configure Built-in Indicator Sets	Main type of operation log: Parking indicator
Configure Image Encoding	Main type of operation log: Modify picture configuration Information
Configure Holidays/Days Off	Main type of operation log: Holiday configuration Information
Configure External Indicator Sets	Parking hemispheres and external light binding configuration
Configure Arming Work Plan	Equipment work plan
Configure CDN	Configure the Matsuritsu CDN
Configure Plate Recognition	License plate recognition parameters
Configure Snapshot Verification	Maintenance snap
Configure LPR Detection Area	Configure LPR detection area
Configure Lane Lines	Lane lines
Configure Zebra Crossing	Configure zebra crossing
Configure Pedestrian Running Red Light Warning	Configure pedestrian running red light warning
Configure Trigger Line	Trigger wire configuration
Configure Composite Photo Style	Configure composite photo style
Configure Extended Sets of Video Detection	Video detection extended Sets
Configure Lane for Violation	Capture the lane configuration for violation

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Configure Vehicle Type for Violation	Configure vehicle type for violation
Configure Traffic Light Enhance	Traffic light color enhancement
Configure Upload Image via ONVIF	Bayononvif alarm onvif report photo stream switch
Configure Traffic Data Collection	Traffic parameter configuration
Configure Violation	Traffic event allocation
Configure Network Peripheral	Configure network peripherals
Configure Info Display Content	Info Release Releases content configuration
Configure Info Display Policy	Info release screen configuration
Configure Info Display Screen	Configure Info release protocol
Radar False Snapshot Filter Interval	Radar false snapshot filter interval
Enable/Disable Triggering Boolean by Violation	Report policy for passing traffic records
Configure Peak Period	Driving violation Filter misjudgment On/off
Configure Illegal Parking	Stop violation set configuration
Enable/Disable Filtering Similar Plates	Enable/disable filtering similar plates
Enable/Disable Scene Demarcation	Disable scene demarcation Enable flag
Enable/Disable Violation Vehicle Overlay	Violation vehicle overlay on/off
Configure Manual Snapshot	Intelligent manual snapshot target calibration configuration
Restore Violation Defaults	Restore violation default Sets
Restore IO Port Defaults	Restore IO
Configure Setup Wizard	Setup Wizard Configuration
Configure Snapshot Delay	Delayed stop forensics
Enable/Disable Vehicle Head/Rear Classfication	Vehicle head/rear classfication switch
Enable/Disable Violation Filtering	Disable violation filtering enables the command word
Configure Let Through Policy	Whitelist release policy
Configure Vehicle Passing Record Report Policy	SDK parking indicator configuration
Enable/Disable Reducing False Judgment of Moving Traffic Violation	Filter false judgment of moving traffic violation enable/disable
Configure Recognition Correction List	Correction List Configuration

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Configure Entrance&Exit Blacklist	Configure entrance&exit blacklist
Configure Entrance&Exit Whitelist	Configure the import and export whitelist
Configure Violation Blacklist	Configure violation blacklist
Configure Violation Filtering Whitelist	Configure violation filtering whitelist
Configure Special Lane Whitelist	Configure Special lane Whitelist
Configure Passing Vehicle Whitelist	Configure passing vehicle whitelist
Configure Extended Sets of Lane	Configure extended Sets of lane
Configure Lane	Lane parameter configuration
Configure Entrance&Exit Triggering Boolean Output	Configure entrance&exit triggering output
Configure Sensing	Sensing rule configuration of a data port
Configure Qianxun SI Info	Config info for Chihiro
Configure People Counting Rule	Configure people counting rule
Configure Intelligent Chain Calculation	Intelligent chain calculation configuration
Configure Smart Alarm Plan	Configure alarm defense parameters
Configure Face Detection	Configure face detection
Clear Face Counting Result	Clear face counting result
Start/Stop Face Intelligent Analysis	Face intelligent analysis switch
Configure Face Recognition Monitoring Task	Get the basic rules for face recognition
Configure Face Recognition Triggering	Get face recognition linkage basic rules
Configure System Mode	Smart Mode Toggle
Configure Lane	IMOS_MW_DRIVEWAY_CFG_S
Configure Violation Snapshot Handling	Configure violation Snapshot handling
Configure Snapshot	Snap configuration
Configure Extended Sets of Lane	IMOS_MW_DRIVEWAY_EXPAND_CFG_S
Clear LPR Counting Result	Clear the OSD of the Skynet bayonet
Configure Plate Detection Mode	Get the Smart Alarm detection mode configuration
Configure Attribute Collection	Target attribute Information overlay stream configuration switch

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Configure Violation Snashot	Violation snashot configuration
Configure Traffic Light	Traffic light configuration
Configure Plate Width	Vehicle tracking detection configuration
Configure Video Detection	Video Detection
Configure Plate	Smart IPC license plate related configuration
Enable/Disable Plate Verification	License plate consistency detection
Configure Permitted Retention Time for Violation	Modify permitted retention time for violation
Configure Rule of Smart Functions	Rule/rule parameter configuration
Configure Scene & Rules of Illegal Parking	Illegal parking scene & Rules
Enable Permitted Retention Time for Violation	Linkage storage enable or disable
Configure Manual Snapshot Mark	Manual snapshot snapshot configuration
Enable/Disable Master-Slave Linkage	Gun - ball linkage is enabled
Configure Slave Device	Gun ball linkage Information about the ball machine configured on the gun
Configure Slave Device Tracking	Gun and ball linkage tracking parameter Information
Manual Mark in Master-Slave Linkage	Manual mark in master - Slave linkage Information
Manual Operation in Master-Slave Linkage	Manual operation in master - Slave linkage Information
Configure Master Device IP	Gun and ball linkage ball machine Information
Configure Slave Device Snapshot	Gun ball linkage ball grab picture configuration
Configure Target	Gun ball linkage ball machine non-face attribute configuration
Configure Master-Slave Linkage Operating Mode	Gun - ball linkage operating mode
Configure Violation Recording	Violation recording configuration
Enable/Disable Attribute Collection	Attribute collection configuration Information
Configure Mixed-Traffic Detection	Mixed-traffic detection configuration Information
Configure Mixed-Traffic Detection Triggering	Mixed detects linkage configuration Information
Configure People Counting	Deep count configuration Information
Configure People Counting Result Clearing	Deep count Count Count clear setting
Configure People Counting Triggering	In-depth count linkage configuration Information

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Configure Smoke and Fire Detection	Pyrotechnic detection configuration Information
Configure Smoke and Fire Detection Triggering	Flame and Fumes detection linkage configuration Information
Configure Untriggered Target	Untriggered target detection configuration
Configure Smart Service Switch	Smart service automatically switches configuration Information
Configure Traffic Monitoring	Road monitoring configuration Information
Configure Traffic Monitoring Triggering	Road monitoring linkage configuration Information
Configure Tampering Detection	Occlusion detection configuration
Configure Audio Detection	Sound Detection Configuration
Configure Alarm Input	Alarm input
Configure Alarm Output	Alarm output
Configure Motion Detection Area Mode Parameters	Motion detection area mode parameters
Configure Motion Detection Mode	Motion macroblock detection type
Configure Motion Detection Grid Mode Parameters	Motion macroblock detects configuration parameters
Configure Alarm Plan	Set a defense plan
Configure Motion Detection Alarm Interval	Motion detection alarm interval
Configure Human Body Detection	Human detection configuration parameters
Configure Area of Human Body Detection	Configure area parameters for human body detection
Configure Human Body Detection Alarm Interval	Human body detection alarm interval
Configure Voltage Detection	Voltage detection configuration parameters
Configure System Time	Set system time
Configure NTP Server	NTP Server Configuration
Configure Time Sync Mode	Time Sync mode
Configure DST	Daylight saving Time configuration
Configure Intelligent Server	Intelligent Server
Configure UDP Server	Configure UDP Server
Configure Max Digital Zoom	Set the digital Max Zoom
Configure Management Server	Change the management server configuration

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Configure BM Server	Modify the BM server configuration
Restore Defaults	Restore default Sets
Configure Smart FTP	Modify the smart FTP configuration
Clear Camera Operation Time	Clear the device run time
Configure Battery	Set battery configuration
Configure User	Set user Information
Change User Password	Change user password
Configure ONVIF User	Set the Onvif user Information
Configure System Scheduled Operation	System Scheduled tasks
Configure ANR (Onvif)	ONVIF off-network storage configuration
Configure Device Mounting Info	Set device mounting info
Enable/Disable Power Output	Modify battery configuration Enable
Configure Access Policy	Set access Policy
Configure GB35114 Authentication	3511 Server configuration
Configure DDR Frequency	DDR frequency
Configure DFWL Platform	Eastday Power platform configuration
Configure E Surfing Platform	Wing platform configuration
Configure China Comservice V2.0 Server	Configure China Comservice V2.0 platform
Configure NAS Storage	NAS storage configuration command word
Configure GB3011 Server Info	GB3011 Server Info
Configure GB3011 Device Basic Info	GB3011 Collects device Information
Configure GB3011 Gathering Device Info	GB3011 Venue Info
Configure GB3011 Gathering Device Manufacturer Info	GB3011 Collects device manufacturer Information
Configure GB3011 Data Report Interval	GB3011 Data report interval
Configure GB3011 Server Encryption	GB3011 Data encryption Information
Configure GB3011 Encrypted Hot Spot Info	GB3011 Enhanced feature Info
Configure Device Info	Device info and location info

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Configure Device Working Mode	Device working mode
Configure Device Latitude and Longitude	Manually configure GPS latitude and longitude Information
Configure Resource Allocation Mode	Configure resource allocation mode
Export Certificate	Certificate export
Import Certificate	Import Certificate
Delete Certificate	Certificate Delete
Creat Self-signed Certificate	Create a self-signed certificate
Query Certificate Information	Query Certificate Information
Creat Certificate Request	Creating a Certificate Request

7.4 Person Information Element Definition

7.4.1 HairStyle (HairStyleType)

Value in message	Instructions
0	Not sure
1	Long hair
2	Short hair

7.4.2 Posture, Angle (BodyAngleType)

Value in message	Instructions
0	Not sure
1	The front
2	Sides
3	Back

7.4.3 HatStyle (HatStyleType)

Value in message	Instructions
1	Woolen hat
2	beret
3	Baseball cap

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4	Flat-necked hat
5	Fisherman Hat
6	Pullover hat
7	Quill cap
8	Big-brimmed Hat
99	Other

7.4.4 Type of Glasses (GlassesType)

Value in message	Instructions
0	Unknown
1	Regular glasses
2	Sunglasses
99	Other

7.4.5 Universal Color (LAPICommonColorType)

Value in message	Instructions
0	black.
1	white.
2	Grey
3	red.
4	blue.
5	yellow.
6	orange.
7	brown.
8	green.
9	purple.
10	Cyan
11	pink.
12	Transparent
13	Silver white
14	Dark colors

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15	Light colors
16	Colorless
17	Yellow and green
18	Gradient Green
99	Other
100	Unknown

7.4.6 Top Style (CoatStyleType)

Value in message	Instructions
0	Unknown
1	Short Sleeves
2	Long sleeves

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7.4.7 CoatLength (CoatLengthType)

Value in message	Instructions
1	Long sleeves
2	Short Sleeves

7.4.8 Pant Length (PantsLengthType)

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Value in message	Instructions
1	Long pants
2	Shorts

7.4.9 BagType (BagType)

Value in message	Instructions
0	Not sure
1	No Bags
2	Handbag
3	Backpack

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7.4.10 Shoe Style (ShoesStyleType)

Value in message	Instructions
0	Not sure
1	Knee-high Boots
2	Regular shoes

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8 Update record

8.1 Update record

Date	Version	Modify chapter	Update content	Reviset
2024-04-28	V5.0		Officially released the external LAPI interface document	合作支持部
2024-07-19	V5.01	6.3.4 Alarm Events	Modifies the ObjectType field enumeration of non-motor vehicle 、motor vehicle and unknown.	合作支持部 &L02447 林杰
2025-01-20	V5.01	7.1.9 Vehicle Type	Modify 7.1.9 Vehicle Type	合作支持部
2025-03-17	V5.02	6.1.10 Managing Servers 6.3.13 Structure Events 6.3.14 Push Face Detection Event 6.3.18 Smoking Detection Event 6.6.4 Audio Files	Delete 6.1.10 Managing Servers Add 6.3.18 Smoking Detection Event 6.6.4 Audio Files Modify the RuleType enum from 'Motion detection' to 'Smart Motion detection'	合作支持部 &L02447 林杰
2025-03-31	V5.03	5.11.4 7.1.2	Delete 5.11.4 Playback introduction 7.1.2 Type of Number Plate Enumeration Update	合作支持部 &L06734 李林校
			"Intelligent Motion" replace with "Smart Motion"	
2025-04-18	V5.04	6.2.2.1 PTZ Control Instruction	Delete the parameter which is "ContinueTime"	合作支持部 &W08502 王雨

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