Chapter 6 Request URIs

6.1 http://<ipAddress>:<portNo>/<url>

HTTP listening sever sends alarm information to alarm center.

Request URL Definition

Table 6-1 POST http://<ipAddress>:<portNo>/<url>

Method	POST
Description	HTTP listening sever sends alarm information to alarm center.
Query	None
Request	None
Response	Succeeded: ***XML_EventNotificationAlert_AlarmEventInfo*** or ***JSON_EventNotificationAlert_Alarm/EventInfo*** Failed: ***XML_ResponseStatus***

Remarks

- The <**ipAddress**> in the request URL refers to the IP address or domain name of HTTP listening server, the <**portNo**> is the port No. of HTTP listening server, and the <**url**> represents the streaming URL, which is configured via the HTTP listening server.
- The default port No. is 80, so the request URL without port No. is also valid.

6.2 /ISAPI/Event/capabilities

Get the device event capability.

Request URI Definition

Table 6-2 GET /ISAPI/Event/capabilities

Method	GET
Description	Get the device event capability set.
Query	None.
Request	None.
Response	Succeeded: ***XML_EventCap*** Failed: ***XML_ResponseStatus***

6.3 /ISAPI/Event/notification/alertStream

Get the uploaded heartbeat or alarm/event information.

Request URI Definition

Table 6-3 GET /ISAPI/Event/notification/alertStream

Method	GET
Description	Get the heartbeat or uploaded alarm/event information.
Query	None.
Request	None.
Response	Option 1: ***XML_EventNotificationAlert_AlarmEventInfo*** or ***XML_EventNotificationAlert_HeartbeatInfo*** Option 2: ***JSON_EventNotificationAlert_Alarm/EventInfo*** **Note** The messages here only show the format of alarm/event information to be uploaded. For details, refer to the corresponding alarm/event configuration chapters.

Remarks

- After calling this URI, a persistent connection is set up between the device and the platform, and the alarm or event information will be uploaded from device continuously once the alarm is triggered or event occurred.
- You can check if the XML response message is the heartbeat information according to the nodes <**eventType**> and <**eventState**>. If the values of these two node are "videoloss" and "inactive", respectively, the returned message is the heartbeat information.

6.4 /ISAPI/Event/notification/httpHosts

Get or set parameters of all HTTP listening servers, add a HTTP listening server, and delete all HTTP listening servers.

Request URI Definition

Table 6-4 GET /ISAPI/Event/notification/httpHosts

Method	GET
Description	Get parameters of all HTTP listening servers.

Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode.
Request	None
Response	Succeeded: ***XML_HttpHostNotificationList*** Failed: ***XML_ResponseStatus***

Table 6-5 PUT /ISAPI/Event/notification/httpHosts

Method	PUT
Description	Set parameters of all HTTP listening servers.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode.
Request	***XML_HttpHostNotificationList***
Response	***XML_ResponseStatus***

Table 6-6 POST /ISAPI/Event/notification/httpHosts

Method	POST
Description	Add a HTTP listening server.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode.
Request	***XML_HttpHostNotification***
Response	***XML_ResponseStatus***

Table 6-7 DELETE /ISAPI/Event/notification/httpHosts

Method	DELETE
Description	Delete all HTTP listening servers.

Query	None
Request	None
Response	***XML_ResponseStatus***

6.5 /ISAPI/Event/notification/httpHosts/<ID>/test

Check whether the HTTP listening server is working normally.

Request URI Definition

Table 6-8 POST /ISAPI/Event/notification/httpHosts/<ID>/test

Method	POST
Description	Check whether the HTTP listening server is working normally.
Query	None
Request	***XML_HttpHostNotification***
Response	Succeeded: ***XML_HttpHostTestResult*** Failed: ***XML_ResponseStatus***

Remarks

The <**ID**> in the request URI refers to the HTTP listening server ID.

6.6 /ISAPI/Event/notification/httpHosts/capabilities

Get the configuration capabilities of all HTTP listening servers.

Request URI Definition

Table 6-9 GET /ISAPI/Event/notification/httpHosts/capabilities

Method	GET
Description	Get the configuration capabilities of all HTTP listening servers.
Query	None
Request	None
Response	Succeeded: ***XML_HttpHostNotificationCap*** Failed: ***XML_ResponseStatus***

6.7 /ISAPI/Event/notification/subscribeEvent

Subscribe events/alarms in arming mode.

Request URI Definition

Table 6-10 POST /ISAPI/Event/notification/subscribeEvent

Method	POST
Description	Subscribe events/alarms in arming mode.
Query	None.
Request	***XML_SubscribeEvent***
Response	Succeeded: ***XML_SubscribeEventResponse*** or ***XML_EventNotificationAlert_SubscriptionHeartbeat*** and alarm/event details message Failed: ***XML_ResponseStatus***

Remarks

The ***XML_EventNotificationAlert_SubscriptionHeartbeat*** and alarm/event details message is uploaded repeatedly. The default time interval of uploading heartbeat information is 30s.

6.8 /ISAPI/Event/notification/subscribeEvent/<ID>

Get or set alarm/event subscription parameters.

Request URI Definition

Table 6-11 GET /ISAPI/Event/notification/subscribeEvent/<ID>

Method	GET
Description	Get alarm/event subscription parameters.
Query	None.
Request	None.
Response	Succeeded: ***XML_SubscribeEvent*** Failed: ***XML_ResponseStatus***

Table 6-12 PUT /ISAPI/Event/notification/subscribeEvent/<ID>

Method	PUT
Description	Set alarm/event subscription parameters.

Query	None.
Request	***XML_SubscribeEvent***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the request URI refers to the subscription No. which is returned by the device. After the persistent connection for receiving events or alarms in arming mode is closed, the device will release the resource used by the <**ID**>.

6.9 /ISAPI/Event/notification/subscribeEventCap

Get event/alarm subscription capability.

Request URI Definition

Table 6-13 GET /ISAPI/Event/notification/subscribeEventCap

Method	GET
Description	Get event/alarm subscription capability.
Query	None.
Request	None.
Response	Succeeded: ***XML_SubscribeEventCap*** Failed: ***XML_ResponseStatus***

6.10 /ISAPI/Event/notification/unSubscribeEvent

Cancel subscribing alarm/event.

Request URI Definition

Table 6-14 PUT /ISAPI/Event/notification/unSubscribeEvent

Method	PUT
Description	Cancel subscribing alarm/event.
Query	None.
Request	None.
Response	***XML_ResponseStatus***

6.11 /ISAPI/Event/schedules/faceContrast

Get or set arming schedule of multiple face picture comparison alarms.

Request URI Definition

Table 6-15 GET /ISAPI/Event/schedules/faceContrast

Method	GET
Description	Get the arming schedule of multiple face picture comparison alarms.
Query	None.
Request	None.
Response	***XML_FaceContrastScheduleList***

Table 6-16 PUT /ISAPI/Event/schedules/faceContrast

Method	PUT
Description	Set the arming schedule of multiple face picture comparison alarms.
Query	None.
Request	***XML_FaceContrastScheduleList***
Response	***XML_ResponseStatus***

6.12 /ISAPI/Event/schedules/faceContrast/<ID>

Get or set arming schedule of a face picture comparison alarm.

Request URI Definition

Table 6-17 GET /ISAPI/Event/schedules/faceContrast/<ID>

Method	GET
Description	Get the arming schedule of a face picture comparison alarm.
Query	None.
Request	None.
Response	Succeeded: ***XML_Schedule*** Failed: ***XML_ResponseStatus***

Table 6-18 PUT /ISAPI/Event/schedules/faceContrast/<ID>

Method	PUT
Description	Set the arming schedule of a face picture comparison alarm.
Query	None.
Request	***XML_Schedule***
Response	***XML_ResponseStatus***

Remarks

The <ID> in the URI is defined as the ID of alarm triggered video input channel. For example, if the video input channel No. with face picture comparison alarm triggered is 1, the ID is "faceContrast-1".

6.13 /ISAPI/Event/schedules/faceLib/<ID>/<FDID>

Get or set arming schedule of a face picture comparison alarm.

Request URI Definition

Table 6-19 GET /ISAPI/Event/schedules/faceLib/<ID>/<FDID>

Method	GET
Description	Get the arming schedule of a face picture comparison alarm.
Query	None.
Request	None.
Response	Succeeded: ***XML_Schedule*** Failed: ***XML_ResponseStatus***

Table 6-20 PUT /ISAPI/Event/schedules/faceLib/<ID>/<FDID>

Method	PUT
Description	Set the arming schedule of a face picture comparison alarm
Query	None.
Request	***XML_Schedule***
Response	***XML_ResponseStatus***

Remarks

- The <**ID**> in the URI is the video channel ID.
- The <**FDID**> in the URI is the face picture library ID, which is returned by device. But the user can also define the library ID and apply the custom ID to the device, and then the device will link the <**FDID**> with the custom ID, so you can configure and manage the library via the custom ID. If the face picture library ID is customized, the corresponding URI should be ***/ISAPI/Event/schedules/faceLib/<ID>/<FDID>?FDType=custom***.

6.14 /ISAPI/Event/schedules/faceSnap

Get or set arming schedule of face capture

Request URI Definition

Table 6-21 GET /ISAPI/Event/schedules/faceSnap

Method	GET
Description	Get the arming schedule of face capture.
Query	None.
Request	None.
Response	***XML_FaceSnapScheduleList***

Table 6-22 PUT /ISAPI/Event/schedules/faceSnap

Method	PUT
Description	Set the arming schedule of face capture.
Query	None.
Request	***XML_FaceSnapScheduleList***
Response	***XML_ResponseStatus***

6.15 /ISAPI/Event/schedules/faceSnap/<ID>

Get or set arming schedule configurations of face capture of a device.

Request URI Definition

Table 6-23 GET /ISAPI/Event/schedules/faceSnap/<ID>

Method	GET
Description	Get the arming schedule of face capture of a device.

Query	None.
Request	None.
Response	Succeeded: ***XML_Schedule*** Failed: ***XML_ResponseStatus***

Table 6-24 PUT /ISAPI/Event/schedules/faceSnap/<ID>

Method	PUT
Description	Set the arming schedule of face capture of a device.
Query	None.
Request	***XML_Schedule***
Response	***XML_ResponseStatus***

Remarks

- The <**ID**> in the URI is defined by the video input channel No. with face capture alarm triggered. For example, if the alarm triggered channel No. is 1, the <**ID**> is "faceSnap-1".
- You can also get the number of arming schedules can be configured by this URI via GET method.

6.16 /ISAPI/Event/schedules/HFPD

Get or set arming schedule of frequently appeared person detection.

Request URI Definition

Table 6-25 GET /ISAPI/Event/schedules/HFPD

Method	GET
Description	Get the arming schedule of frequently appeared person detection.
Query	None.
Request	None.
Response	***XML_HFPDScheduleList***

Table 6-26 PUT /ISAPI/Event/schedules/HFPD

Method	PUT
Description	Set the arming schedule of frequently appeared person detection.
Query	None.
Request	***XML_HFPDScheduleList***
Response	***XML_ResponseStatus***

6.17 /ISAPI/Event/schedules/whiteListFaceContrast

Get or set arming schedule of multiple stranger detection alarms.

Request URI Definition

Table 6-27 GET /ISAPI/Event/schedules/whiteListFaceContrast

Method	GET
Description	Get the arming schedule of multiple stranger detection alarms.
Query	None.
Request	None.
Response	***WhiteListFaceContrastScheduleList***

Table 6-28 PUT /ISAPI/Event/schedules/whiteListFaceContrast

Method	PUT
Description	Set the arming schedule of multiple stranger detection alarms.
Query	None.
Request	***WhiteListFaceContrastScheduleList***
Response	***XML_ResponseStatus***

6.18 /ISAPI/Event/schedules/whiteListFaceContrast/<ID>

Get or set arming schedule of a stranger detection alarm.

Request URI Definition

Table 6-29 GET /ISAPI/Event/schedules/whiteListFaceContrast/<ID>

Method	GET
Description	Get the arming schedule of a stranger detection alarm.
Query	None.
Request	None.
Response	Succeeded: ***XML_Schedule*** Failed: ***XML_ResponseStatus***

Table 6-30 PUT /ISAPI/Event/schedules/whiteListFaceContrast/<ID>

Method	PUT
Description	Set the arming schedule of a stranger detection alarm.
Query	None.
Request	***XML_Schedule***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the URI is defined as the ID of alarm triggered video input channel. For example, if the video input channel No. with stranger detection alarm triggered is 1, the ID is "whiteListFaceContrast-1".

6.19 /ISAPI/Event/triggers

Get linkage actions of multiple alarms.

Request URI Definition

Table 6-31 GET /ISAPI/Event/triggers

Method	GET
Description	Get linkage actions of multiple alarms.
Query	None.
Request	None.
Response	Succeeded: ***XML_EventTriggerList*** Failed: ***XML_ResponseStatus***

6.20 /ISAPI/Event/triggersCap

Get alarm linkage capability.

Request URI Definition

Table 6-32 GET /ISAPI/Event/triggersCap

Method	GET
Description	Get alarm linkage capability.
Query	None

Request	None
Response	Succeeded: ***XML_EventTriggersCap*** Failed: ***XML_ResponseStatus***

6.21 /ISAPI/Event/triggers/<eventType>-<ID>

Get, set, or delete the alarm linkage action by channel.

Request URI Definition

Table 6-33 GET /ISAPI/Event/triggers/<eventType>-<ID>

Method	GET
Description	Get the alarm linkage action by channel.
Query	None
Request	None
Response	Succeeded: ***XML_EventTrigger*** Failed: ***XML_ResponseStatus***

Table 6-34 PUT /ISAPI/Event/triggers/<eventType>-<ID>

Method	PUT
Description	Set the alarm linkage action by channel.
Query	None
Request	***XML_EventTrigger***
Response	***XML_ResponseStatus***

Table 6-35 DELETE /ISAPI/Event/triggers/<eventType>-<ID>

Method	DELETE
Description	Delete the alarm linkage action by channel.
Query	None
Request	None
Response	***XML_ResponseStatus***

Remarks

The <**eventType**> in the request URI refers to the predefined event or alarm type name, and the <**ID**> is the No. of the event detection channel. For example, if the No. of the face capture channel is 101, the "<**eventType**>-<**ID**>" is "faceSnap-101".

6.22 /ISAPI/Event/triggers/<ID>/<FDID>

Get, set, or delete the linkage action parameters of a face picture comparison alarm.

Request URI Definition

Table 6-36 GET /ISAPI/Event/triggers/<ID>/<FDID>

Method	GET
Description	Get the linkage action parameters of a face picture comparison alarm.
Query	**FDType** (optioanl)
Request	None.
Response	Succeeded: ***XML_EventTrigger*** Failed: ***XML_ResponseStatus***

Table 6-37 PUT /ISAPI/Event/triggers/<ID>/<FDID>

Method	PUT
Description	Set the linkage action of a face picture comparison alarm.
Query	**FDType** (optioanl)
Request	***XML_EventTrigger***
Response	***XML_ResponseStatus***

Table 6-38 DELETE /ISAPI/Event/triggers/<ID>/<FDID>

Method	DELETE
Description	Delete the linkage action of a face picture comparison alarm.
Query	**FDType** (optioanl)
Request	None
Response	***XML_ResponseStatus***

Remarks

- The <**ID**> in the URI is the video channel ID.
- The <**FDID**> in the URI is the face picture library ID, which is returned by device. But the user can also define the library ID and apply the custom ID to the device, and then the device will link the <**FDID**> with the custom ID, so you can configure and manage the library via the custom ID. If the face picture library ID is customized, the corresponding URI should be ***/ISAPI/Event/triggers/<ID>/<FDID>?FDType=custom***.

6.23 /ISAPI/Intelligent/capabilities

Get the intelligent capability set.

Request URI Definition

Table 6-39 GET /ISAPI/Intelligent/capabilities

Method	GET
Description	Get the intelligent capability.
Query	None.
Request	None.
Response	Succeeded: ***XML_IntelliCap*** Failed: ***XML_ResponseStatus***

6.24 /ISAPI/Intelligent/analysisEngines

Get or set parameters of all analysis engines.

Request URI Definition

Table 6-40 GET /ISAPI/Intelligent/analysisEngines

Method	GET
Description	Get the parameters of all analysis engine.
Query	None.
Request	None.
Response	Succeeded: ***XML_AnalysisEngineList*** Failed: ***XML_ResponseStatus***

Table 6-41 PUT /ISAPI/Intelligent/analysisEngines

Method	PUT
Description	Set the parameters of all analysis engines.
Query	None.
Request	***XML_AnalysisEngineList***
Response	***XML_ResponseStatus***

6.25 /ISAPI/Intelligent/analysisEngines/<ID>

Get or set parameters of an analysis engine.

Request URI Definition

Table 6-42 GET /ISAPI/Intelligent/analysisEngines/<ID>

Method	GET
Description	Get the parameters of an analysis engine.
Query	None.
Request	None.
Response	Succeeded: ***XML_AnalysisEngine*** Failed: ***XML_ResponseStatus***

Table 6-43 PUT /ISAPI/Intelligent/analysisEngines/<ID>

Method	PUT
Description	Set the parameters of an analysis engine.
Query	None.
Request	***XML_AnalysisEngine***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the request URI refers to the analysis engine No.

6.26 /ISAPI/Intelligent/analysisEngines/capabilities

Get configuration capability of analysis engine.

Request URI Definition

Table 6-44 GET /ISAPI/Intelligent/analysisEngines/capabilities

Method	GET
Description	Get configuration capability of analysis engine.
Query	None.
Request	None.
Response	Succeeded: ***XML_AnalysisEnginesCap***

	Failed: ***XML_ResponseStatus***

6.27 /ISAPI/Intelligent/analysisImage/face

Import a local face picture for searching by picture.

Request URI Definition

Table 6-45 POST /ISAPI/Intelligent/analysisImage/face

Method	POST
Description	Import a local face picture for searching by picture.
Query	None.
Request	Binary picture data
Response	Succeeded: ***XML_FaceContrastTargetsList*** Failed: ***XML_ResponseStatus***

Remarks

You can check whether the device supports this function according to the node <**isSuportAnalysisFace**> in the capability ***XML_FDLibCap*** returned by the URI ***/ISAPI/Intelligent/FDLib/capabilities*** .

6.28 /ISAPI/Intelligent/channels/<ID>/AlgParam

Operations about algorithm library configurations of a device.

Request URI Definition

Table 6-46 GET /ISAPI/Intelligent/channels/<ID>/AlgParam

Method	GET
Description	Get the algorithm library configurations of a device.
Query	None.
Request	None.
Response	***XML_AlgParam***

Table 6-47 PUT /ISAPI/Intelligent/channels/<ID>/AlgParam

Method	PUT
Description	Set the algorithm library configurations of a device.

Query	None.
Request	***XML_AlgParam***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the intelligent channel ID.

6.29 /ISAPI/Intelligent/channels/<ID>/AlgParam/Capabilities

Get the capability of algorithm library configurations of a device.

Request URI Definition

Table 6-48 GET /ISAPI/Intelligent/channels/<ID>/AlgParam/Capabilities

Method	GET
Description	Get the capability of algorithm library configurations of a device.
Query	None
Request	None
Response	***XML_AlgParamCap***

Remarks

The <**ID**> in the URI refers to the intelligent channel ID.

6.30 /ISAPI/Intelligent/channels/<ID>/faceContrast

Get or set face picture comparison parameters.

Request URI Definition

Table 6-49 GET /ISAPI/Intelligent/channels/<ID>/faceContrast

Method	GET
Description	Get the face picture comparison parameters.
Query	None
Request	None
Response	***XML_FaceContrastList***

Table 6-50 PUT /ISAPI/Intelligent/channels/<ID>/faceContrast

Method	PUT
Description	Set the face picture comparison parameters.
Query	None
Request	***XML_FaceContrastList***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the intelligent channel ID.

6.31 /ISAPI/Intelligent/channels/<ID>/faceContrast/capabilities

Get the capability of face picture comparison.

Request URI Definition

Table 6-51 GET /ISAPI/Intelligent/channels/<ID>/faceContrast/capabilities

Method	GET
Description	Get the capability of face picture comparison.
Query	None
Request	None
Response	Succeeded: ***XML_FaceContrastCap*** Failed: ***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the intelligent channel ID.

6.32 /ISAPI/Intelligent/channels/<ID>/faceContrast/faceScore/capabilities?format=json

Get the face score capability of a channel.

Request URI Definition

Table 6-52 GET /ISAPI/Intelligent/channels/<ID>/faceContrast/faceScore/capabilities?format=json

Method	GET
Description	Get the face score capability of a channel.
Query	**format**: determine the format of request or response message.
Request	None
Response	Succeeded: ***JSON_Cap_FaceScore_Channel*** Failed: ***JSON_ResponseStatus***

Remarks

The <**ID**> in the URI refers to channel ID.

6.33 /ISAPI/Intelligent/channels/<ID>/faceContrast/faceScore?format=json

Get or set face score parameters of a channel.

Request URI Definition

Table 6-53 GET /ISAPI/Intelligent/channels/<ID>/faceContrast/faceScore?format=json

Method	GET
Description	Get face score parameters of a channel.
Query	**format**: determine the format of request or response message.
Request	None
Response	Succeeded: ***JSON_FaceScore_Channel*** Failed: ***JSON_ResponseStatus***

Table 6-54 PUT /ISAPI/Intelligent/channels/<ID>/faceContrast/faceScore?format=json

Method	PUT
Description	Set face score parameters of a channel.
Query	**format**: determine the format of request or response message.
Request	***JSON_FaceScore_Channel***
Response	***JSON_ResponseStatus***

Remarks

The <**ID**> in the URI refers to channel ID.

6.34 /ISAPI/Intelligent/channels/<ID>/faceRule

Get or set face capture rule parameters of a channel.

Request URI Definition

Table 6-55 GET /ISAPI/Intelligent/channels/<ID>/faceRule

Method	GET
Description	Get the face capture rule parameters of a device.
Query	None.
Request	None
Response	Succeeded: ***XML_faceRule*** Failed: ***XML_ResponseStatus***

Table 6-56 PUT /ISAPI/Intelligent/channels/<ID>/faceRule

Method	PUT
Description	Set the face capture rule parameters of a device.
Query	None.
Request	***XML_faceRule***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the channel ID.

6.35 /ISAPI/Intelligent/channels/<ID>/faceRule/Capabilities

Get the configuration capability of face capture rule of a channel.

Request URI Definition

Table 6-57 GET /ISAPI/Intelligent/channels/<ID>/faceRule/Capabilities

Method	GET
Description	Get the configuration capability of face capture rule of a channel.

Query	None
Request	None
Response	Succeeded: ***XML_Cap_faceRule*** Failed: ***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the channel ID.

6.36 /ISAPI/Intelligent/channels/<ID>/intelliResource

Get or set intelligent resource parameters by channel.

Request URI Definition

Table 6-58 GET /ISAPI/Intelligent/channels/<ID>/intelliResource

Method	GET
Description	Get the intelligent resource parameters by channel.
Query	None
Request	None
Response	Succeeded: ***XML_IntelliResource*** Failed: ***XML_ResponseStatus***

Table 6-59 PUT /ISAPI/Intelligent/channels/<ID>/intelliResource

Method	PUT
Description	Set the intelligent resource parameters by channel.
Query	None
Request	***XML_IntelliResource***
Response	***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the channel ID.

6.37 /ISAPI/Intelligent/channels/<ID>/intelliResource/capabilities

Get the configuration capability of intelligent resources by channel.

Request URI Definition

Table 6-60 GET /ISAPI/Intelligent/channels/<ID>/intelliResource/capabilities

Method	GET
Description	Get the configuration capability of intelligent resources by channel.
Query	None
Request	None
Response	Succeeded: ***XML_IntelliResourceCap*** Failed: ***XML_ResponseStatus***

Remarks

The <**ID**> in the URI refers to the channel ID.

6.38 /ISAPI/Intelligent/faceContrast/faceScore/capabilities?format=json

Get the face score capability.

Request URI Definition

Table 6-61 GET /ISAPI/Intelligent/faceContrast/faceScore/capabilities?format=json

Method	GET
Description	Get the face score capability.
Query	**format**: determine the format of request or response message.
Request	None
Response	Succeeded: ***JSON_Cap_FaceScore_Device*** Failed: ***JSON_ResponseStatus***

6.39 /ISAPI/Intelligent/faceContrast/faceScore/default?format=json

Get the default face score parameters.

Request URI Definition

Table 6-62 GET /ISAPI/Intelligent/faceContrast/faceScore/default?format=json

Method	GET
Description	Get the default face score parameters.

Query	**format**: determine the format of request or response message.
Request	None
Response	Succeeded: ***JSON_FaceScore_Device*** Failed: ***JSON_ResponseStatus***

6.40 /ISAPI/Intelligent/faceContrast/faceScore?format=json

Get or set face score parameters.

Request URI Definition

Table 6-63 GET /ISAPI/Intelligent/faceContrast/faceScore?format=json

Method	GET
Description	Get face score parameters.
Query	**format**: determine the format of request or response message.
Request	None
Response	Succeeded: ***JSON_FaceScore_Device*** Failed: ***JSON_ResponseStatus***

Table 6-64 PUT /ISAPI/Intelligent/faceContrast/faceScore?format=json

Method	PUT
Description	Set face score parameters.
Query	**format**: determine the format of request or response message.
Request	***JSON_FaceScore_Device***
Response	***JSON_ResponseStatus***

6.41 /ISAPI/Intelligent/FDLib

Get or set face picture library parameters, create a face picture library, or delete all face picture libraries of the device.

Request URI Definition

Table 6-65 GET /ISAPI/Intelligent/FDLib

Method	GET
Description	Get the face picture library parameters.

Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2.
Request	None.
Response	Succeeded: ***XML_FDLibBaseCfgList*** Failed: ***XML_ResponseStatus***

Table 6-66 PUT /ISAPI/Intelligent/FDLib

Method	PUT
Description	Set the face picture library parameters.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2.
Request	***XML_FDLibBaseCfgList***
Response	***XML_ResponseStatus***

Table 6-67 POST /ISAPI/Intelligent/FDLib

Method	POST
Description	Create a face picture library.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2.
Request	***XML_CreateFDLibList***
Response	Succeeded: ***XML_FDLibInfoList*** Failed: ***XML_ResponseStatus***

Table 6-68 DELETE /ISAPI/Intelligent/FDLib

Method	DELETE
Description	Delete all face picture libraries of the device.
Query	None
Request	None
Response	***XML_ResponseStatus***

6.42 /ISAPI/Intelligent/FDLib/<FDID>

Get or set the basic parameters of a face picture library, or delete a library.

Request URI Definition

Table 6-69 GET /ISAPI/Intelligent/FDLib/<FDID>

Method	GET
Description	Get the basic parameters of a face picture library.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2. **FDType** (optional)
Request	None
Response	Succeeded: ***XML_FDLibBaseCfg*** Failed: ***XML_ResponseStatus***

Table 6-70 PUT /ISAPI/Intelligent/FDLib/<FDID>

Method	PUT
Description	Set the basic parameters of a face picture library.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates

	that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2. **FDType** (optional)
Request	***XML_FDLibBaseCfg***
Response	***XML_ResponseStatus***

Table 6-71 DELETE /ISAPI/Intelligent/FDLib/<FDID>

Method	DELETE
Description	Delete a face picture library.
Query	**FDType** (optional)
Request	None
Response	***XML_ResponseStatus***

Remarks

The <**FDID**> in the URI is the face picture library ID, which is returned by device via the URI ***/ISAPI/Intelligent/FDLib*** . But the user can also define the library ID and apply the custom ID to the device, and then the device will link the <**FDID**> with the custom ID, so you can configure and manage the library via the custom ID. If the face picture library ID is customized, the corresponding URI should be ***/ISAPI/Intelligent/FDLib/<FDID>?FDType=custom***.

6.43 /ISAPI/Intelligent/FDLib/<FDID>/data?checkCode=

Import or export data to or from a specific face picture library.

Request URI Definition

Table 6-72 POST /ISAPI/Intelligent/FDLib/<FDID>/data?checkCode=

Method	POST
Description	Import the face picture data to a specific face picture library.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2. **checkCode**: verification code

	mode (optional) **FDType** (optional)
Request	Opaque data (binary face picture data)
Response	***XML_ResponseStatus***

Table 6-73 GET /ISAPI/Intelligent/FDLib/<FDID>/data?checkCode=

Method	GET
Description	Export the face picture data from a specific face picture library.
Query	**security**: the version No. of encryption scheme. When **security** does not exist, it indicates that the data is not encrypted; when **security** is 1, it indicates that the nodes of sensitive information in the message are encrypted in AES128 CBC mode; when **security** is 2, it indicates that the nodes of sensitive information in the message are encrypted in AES256 CBC mode. **iv**: the initialization vector, and it is required when **security** is 1 or 2. **checkCode**: verification code **mode** (optional) **FDType** (optional)
Request	None
Response	Succeeded: Opaque data (binary face picture data) Failed: ***XML_ResponseStatus***

Remarks

- The **checkCode** in the URI is the verification code, and should be encrypted for transmission. It must be same when importing and exporting.
- To import data by overwriting the existing data, the URI must be ***/ISAPI/Intelligent/FDLib/<FDID>/data?checkCode=?mode=cover***.
- The <**FDID**> in the URI is the face picture library ID, which is returned by device. But the user can also define the library ID and apply the custom ID to the device, and then the device will link the <**FDID**> with the custom ID, so you can configure and manage the library via the custom ID. If the face picture library ID is customized, the URI should be ***/ISAPI/Intelligent/FDLib/<FDID>/data?checkCode=?FDType=custom***.

6.44 /ISAPI/Intelligent/FDLib/<FDID>/importFrom/FDLibSource

Add a specific face picture library to another library for importing all the pictures in the specific library to another library.

Request URI Definition

Table 6-74 PUT /ISAPI/Intelligent/FDLib/<FDID>/importFrom/FDLibSource

Method	PUT
Description	Add a specific face picture library to another library for importing all the pictures in the specific library to another library.
Query	**FDType** (optional)
Request	***XML_FDLibSource***
Response	***XML_ResponseStatus***

Remarks

- The <**FDID**> in the URI is the face picture library ID, which is returned by device. But the user can also define the library ID and apply the custom ID to the device, and then the device will link the <**FDID**> with the custom ID, so you can configure and manage the library via the custom ID. If the face picture library is customized, the corresponding URI should be ***/ISAPI/Intelligent/FDLib/<FDID>/importFrom/FDLibSource?FDType=custom***.
- You can check whether the device supports this function according to the node <**isSupportFDLibEachImport**> in the capability , and get the related capability node <**FDLibEachImportCap**> by ***/ISAPI/Intelligent/FDLib/capabilities*** .

6.45 /ISAPI/Intelligent/FDLib/<FDID>/picture

Import importing pictures and additional information to list library (available for front-end device).

Request URI Definition

Table 6-75 POST /ISAPI/Intelligent/FDLib/<FDID>/picture

Method	POST
Description	Import importing pictures and additional information to list library.
Query	**type** (optional) **mode** (optional) **FDType** (optional)
Request	***XML_FaceAppendData***
Response	Succeeded: ***XML_MaskInfo*** Failed: ***XML_ResponseStatus***