

人脸识别一体机 HTTP 接口协议
**HTTP interface protocol for face
recognition all in one machine**

V1.36

目录

catalog

1. 概述.....	11
summary.....	11
2. 接口原则.....	11
Interface principle	11
2.1 请求方法	11
2.1 request method.....	11
2.2 数据类型及格式	12
2.2 data type and format.....	12
2.3 语法	13
2.3 grammar	13
2.4 身份认证	13
2.4 identity authentication.....	13
3. 具体功能接口	15
Specific function interface.....	15
3.1 声音设置	15
3.1 sound settings	15
3.1.1 获取音频设置参数.....	22
3.1.1 obtaining audio setting parameters.....	22
3.1.2 设置音频参数	23
3.1.2 setting audio parameters.....	23
3.1.3 获取播放文件的数量和文件名	24
3.1.3 get the number and file name of playing files.....	24
3.1.4 播放指定文件声音	26
3.1.4 play specified file sound.....	26
3.2 开门条件	28
3.2 door opening conditions.....	28
3.2.1 获取开门条件设置参数	36
3.2.1 obtain the setting parameters of door opening conditions	36
3.2.2 设置开门条件参数	39
3.2.2 setting door opening condition parameters	39
3.2.3 开门方式简介	41
3.2.3 introduction of door opening mode.....	41
3.3 设置用户名、密码	46
3.3 setting user name and password.....	46
3.4 网络参数	47
3.4 network parameters.....	47
3.4.1 获取网络参数	49
3.4.1 obtaining network parameters	49
3.4.2 设置网络参数	50
3.4.2 setting network parameters.....	50
3.5 时间参数	51
3.5 time parameters	51

3.5.1 获取系统时间	52
3.5.1 obtaining system time	52
3.5.2 设置系统时间	53
3.5.2 setting system time	53
3.6 NTP 参数	54
3.6 NTP parameters	54
3.5.1 获取 NTP 参数	58
3.5.1 Get NTP parameters	58
3.5.2 设置 NTP 参数	59
3.5.2 Setting NTP parameters	59
3.7 中心连接	60
3.7 central connection	60
3.5.1 获取中心连接参数	62
3.5.1 Get the connection parameters of the center	62
3.5.2 设置中心连接参数	63
3.5.2 Setting center connection parameters	63
3.8 恢复出厂	64
3.8 Restore the factory	64
3.9 设备信息	70
3.9 Equipment Information	70
3.9.1 获取设备信息	71
3.9.1 Obtain equipment information	71
3.9.2 设置设备信息	72
3.9.2 Set the equipment information	72
3.10 名单的添加、编辑修改	73
3.10 Add, edit and modify the list	73
3.10.1 单个名单添加	87
3.10.1 Adding a single list	87
3.10.2 多个名单添加	91
3.10.2 Adding multiple lists	91
3.10.3 名单编辑修改	94
3.10.3 Edit and modify the list	94
3.10.4 获取新旧数据库版本	98
3.10.4 Get the new and old database versions	98
3.10.5 韦根门禁卡号和内置刷卡 ID 卡号	100
3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number	100
3.10.6 名单批量添加或修改	102
3.10.6 Add or modify the list in batches	102
3.11 名单删除	108
3.11 List deletion	108
3.11.1 单个或多个名单删除	108
3.11.1 Delete single or multiple lists	108
3.11.2 所有人员名单删除	112
3.11.2 Delete all personnel lists	112

3.12 数据订阅	114
3.12 Data Subscription.....	114
3.12.1 推送的信息不需认证.....	120
3.12.1 The pushed information does not need authentication	120
3.12.2 订阅时提供用户名密码, 上交需要进行认证	123
3.12.2 The user name and password shall be provided when subscribing, and authentication shall be required when submitting.	123
3.12.3 陌生人抓拍上报.....	127
3.12.3 The stranger snapped the report.	127
3.12.4 认证结果上报.....	130
3.12.4 Reporting of certification results	130
3.12.5 二维码上报.....	146
3.12.5 QR code reporting.....	146
3.12.6 身份证信息上报.....	147
3.12.6 Reporting of ID card information.....	147
3.12.7 IC 卡号认证结果上报(门禁机).....	149
3.12.7 Report the certification result of IC card number (access control machine)	149
3.12.8 密码认证结果上报(门禁机)	150
3.12.8 Report the result of password authentication (access control machine)....	150
3.12.9 查询已订阅的信息.....	151
3.12.9 Query the subscribed information	151
3.13 取消订阅	154
3.13 unsubscribe	154
3.14 订阅的心跳	159
3.14 Subscription heartbeat	159
3.15 接入摄像机参数	161
3.15 Access camera parameters	161
3.15.1 获取接入摄像机参数.....	163
3.15.1 Get the parameters of access camera	163
3.15.2 设置接入摄像机参数.....	165
3.15.2 Set the parameters of access camera	165
3.16 人脸抓拍比对服务器参数	166
3.16 face capture comparison server parameters.....	166
3.16.1 获取服务器参数.....	168
3.16.1 Get server parameters.....	168
3.16.2 设置服务器参数.....	168
3.16.2 Setting server parameters.....	168
3.17 人员类型参数	169
3.17 Personnel Type Parameters	169
3.17.1 获取人员类型参数.....	171
3.17.1 Get personnel type parameters.....	171
3.17.2 设置人员类型参数.....	172
3.17.2 Setting personnel type parameters.....	172

3.18 人脸服务功能	174
3.18 Face Service Function	174
3.18.1 图片提取特征码.....	174
3.18.1 Image Extraction Feature Code	174
3.18.2 特征码比较相似度.....	176
3.18.2 Comparison of Similarity of Feature Codes.....	176
3.18.3 获取人脸图片	178
3.18.3 Get face pictures.....	178
3.19 名单搜索查询	181
3.19 List Search Query	181
3.19.1 单个名单查询.....	189
3.19.1 Query of a single list.....	189
3.19.2 查询名单总数.....	193
3.19.2 Total number of enquiry lists.....	193
3.19.3 多个名单查询.....	197
3.19.3 Query of multiple lists	197
3.20 开门控制	203
3.20 Open Door Control.....	203
3.21 密码操作	206
3.21 password operation	206
3.21.1 临时密码获取	207
3.21.1 Acquisition of temporary password	207
3.21.2 密码添加	208
3.21.2 Add password	208
3.21.3 密码删除	209
3.21.3 Password deletion	209
3.21.4 密码全部清除	210
3.21.4 Clear all passwords	210
3.22 控制记录查询	212
3.22 control record inquiry	212
3.22.1 控制记录总数查询	217
3.22.1 Query on the total number of control records	217
3.22.2 控制记录人员信息查询	219
3.22.2 Information inquiry of control record personnel	219
3.23 常用配置设置	235
3.23 Common configuration settings.....	235
3.23.1 获得常用设置参数	237
3.23.1 Get common setting parameters	237
3.23.2 设置常用参数	238
3.23.2 Setting common parameters	238
3.24 重启设备	239
3.24 Restart the equipment	239
3.25 图片服务功能	240
3.25 picture service function	240

3.25.1 图片比较相似度.....	240
3.25.1 Comparison of Similarity of Pictures.....	240
3.25.2 以图搜索本地人脸库.....	242
3.25.2 Search the local face database with an image.....	242
3.25.3 检测图片人脸.....	249
3.25.3 detect the face in the picture	249
3.25.4 手动抓拍.....	251
3.25.4 Manual snapshot	251
3.26 抓拍记录查询	253
3.26 snap record query.....	253
3.26.1 抓拍记录总数查询.....	256
3.26.1 Query on the total number of snap records	256
3.26.2 抓拍记录人员信息查询.....	258
3.26.2 Inquire about the personnel information of the snap record.....	258
3.27 温度参数	267
3.27 temperature parameters	267
3.27.1 获取温度参数.....	270
3.27.1 Obtain temperature parameters	270
3.27.2 设置温度参数.....	271
3.27.2 Setting temperature parameters.....	271
3.28 握手协议数据	273
3.28 handshake protocol data	273
3.28.1 获取握手协议数据.....	274
3.28.1 Get handshake protocol data.....	274
3.28.2 设置握手协议数据.....	274
3.28.2 Set handshake protocol data.....	274
3.29 版本升级	275
Version 3.29 upgrade	275
3.29.1 版本升级接口 1.....	275
3.29.1 Version Upgrade Interface 1.....	275
3.30 系统参数	277
3.30 system parameters.....	277
3.30.1 获取系统参数.....	281
3. 30. 1 Obtain system parameters	281
3.30.2 设置系统参数.....	283
3.30.2 Setting system parameters	283
3.31 MQTT 参数	283
3.31 MQTT parameters.....	283
3.31.1 获取 MQTT 参数	288
3. 31. 1 Get MQTT parameters	288
3.31.2 设置 MQTT 参数	289
3.31.2 Setting MQTT parameters.....	289
3.32 手动推送控制记录	290
3.32 Manual Push Control Record.....	290

3.32.1 设置手动推送控制记录	292
3.32.1 Set manual push control records	292
3.33 WiFi 参数	293
3.33 WiFi parameters	293
3.33.1 获取 WiFi 参数	295
3.33.1 Get WiFi parameters.....	295
3.33.2 设置 WiFi 参数	296
3.33.2 Setting WiFi parameters.....	296
3.34 人脸识别参数	297
3.34 face recognition parameters.....	297
3.34.1 获取人脸识别参数.....	299
3.34.1 Get face recognition parameters.....	299
3.34.2 设置人脸识别参数	300
3.34.2 Setting face recognition parameters.....	300
3.35 RTSP 参数	300
3.35 RTSP parameters.....	300
3.35.1 获取 RTSP 参数	302
3.35.1 Get RTSP parameters	302
3.35.2 设置 RTSP 参数	303
3.35.2 Setting RTSP parameters.....	303
附录 A:修订历史	304
Appendix A: Revision History	304
附录 B:认证失败或设置接口的消息回复	327
Appendix B: Message reply of authentication failure or setting interface	327
B.1 认证失败	327
B.1 authentication failed.....	327
B.2 设置消息回复	327
B.2 setting message reply.....	327
附录 C:具体功能接口的抓包	329
Appendix C: Capture of Specific Functional Interface	329
C.1 声音设置	329
C.1 sound settings.....	329
C.1.1 获取音频设置参数	329
C.1.1 acquire audio setting parameters.....	329
C.1.2 设置音频参数	330
C.1.2 setting audio parameters.....	330
C.1.3 获取播放文件的数量和文件名	331
C.1.3 obtain the number and file name of playing files	331
C.1.4 播放指定文件声音	332
C.1.4 play the specified file sound.....	332
C.2 开门条件	333
C.2 conditions for opening doors.....	333
C.2.1 获取开门条件设置参数	333
C.2.1 obtain setting parameters of door opening conditions.....	333

C.2.2 设置开门条件参数.....	335
C.2.2 setting parameters of door opening conditions	335
C.3 设置用户名、密码.....	336
C.3 setting user name and password	336
C.4 网络参数.....	337
C.4 network parameters	337
C.4.1 获取网络参数	337
C.4.1 obtaining network parameters.....	337
C.4.2 设置网络参数	338
C.4.2 setting network parameters	338
C.5 时间参数.....	339
C.5 time parameters.....	339
C.5.1 获取系统时间	339
C.5.1 obtaining system time.....	339
C.5.2 设置系统时间	340
C.5.2 setting system time	340
C.6 NTP 参数	341
C.6 NTP parameters	341
C.6.1 获取 NTP 参数	341
C.6.1 obtaining NTP parameters	341
C.6.2 设置 NTP 参数	342
C.6.2 setting NTP parameters	342
C.7 中心连接.....	343
C.7 central connection	343
C.7.1 获取中心连接参数.....	343
C.7.1 obtain the connection parameters of the center	343
C.7.2 设置中心连接参数.....	344
C.7.2 setting center connection parameters.....	344
C.8 恢复出厂	345
C.8 restore the factory	345
C.9 设置信息.....	346
C.9 setting information	346
C.9.1 获取设备信息	346
C.9.1 obtaining equipment information	346
C.9.2 设置设备信息	347
C.9.2 setting equipment information	347
C.10 名单的添加、编辑修改.....	348
C.10 addition, editing and modification of the list.....	348
C.10.1 单个名单添加	348
C.10.1 adding a single list	348
C.10.2 多个名单添加	351
C.10.2 addition of multiple lists	351
C.10.3 名单编辑修改	353
C.10.3 list editing and modification.....	353

C.10.4 获取新旧数据库版本	354
C.10.4 obtain new and old database versions.....	354
C.10.6 名单批量添加或修改	355
C.10.6 batch addition or modification of list.....	355
C.10.6.1 名单批量添加或修改返回码.....	356
C.10.6.1 add or modify return codes in batch for list.....	356
C.10.6.2 名单批量添加或修改错误码.....	357
C.10.6.2 add or modify error codes in batch on the list.....	357
C.11 名单删除.....	359
C.11 deletion of the list.....	359
C.12 数据订阅.....	360
C.12 data subscription	360
C.12.1 推送的消息不需认证	360
C.12.1 push messages do not need authentication.....	360
C.12.2 订阅时提供用户名密码，上交需要进行认证.....	361
C.12.2 provide a user name and password when subscribing, and authentication is required when submitting it.....	361
C.12.3 陌生人抓拍上报	362
C.12.3 strangers snap report.....	362
C.12.4 认证结果上报	363
C.12.4 report of certification results.....	363
C.12.4.1 采用断网续传服务器回复数据包.....	364
C.12.4.1 reply to the data packet by using the disconnected continuous transmission server	364
C.12.5 身份证信息上报	365
C.12.5 reporting of id card information	365
C.12.6 查询已订阅的消息	366
C.12.6 Query subscribed messages.....	366
C.13 取消订阅.....	367
C.13 unsubscribe	367
C.14 订阅的心跳.....	368
C.14 heartbeat of subscription.....	368
C.19 名单搜索查询.....	369
C.19 list search query.....	369
C.19.1 单个名单查询	369
C.19.1 single list inquiry.....	369
C.19.2 查询名单总数	370
C.19.2 Total number of enquiry lists	370
C.19.3 多个名单查询	371
C.19.3 multiple list inquiries	371
C.20 开门控制.....	373
C.20 door opening control.....	373
C.20.1 开门控制.....	373
C.20.1 door opening control.....	373

C.22 控制记录查询.....	373
C.22 control record inquiry.....	373
C.23 常用设置参数设置.....	376
C.23 commonly used setting parameter setting	376
C.23.1 获取常用设置参数	376
C.23.1 obtain common setting parameters.....	376
C.23.2 设置常用参数	377
C.23.2 setting common parameters.....	377
C.24 重启设备.....	378
C.24 restart the equipment	378
C.24.1 重启设备.....	378
C.24.1 restart the equipment	378
C.25 图片服务功能.....	379
C.25 picture service function.....	379
C.25.1 图片比较相似度	379
C.25.1 picture comparison similarity	379
C.25.2 以图搜索本地人脸库	380
C.25.2 Search the local face database by graph	380
C.25.3 检测图片人脸	381
C.25.3 detect the face of the picture.....	381
附录 D 其他.....	382
Appendix D Others.....	382
D.1 民族.....	382
D.1 Ethnic groups	382

1. 概述

summary

本文档主要用于人脸识别一体机的 HTTP 方式对接，适用于系统开发与维护人员。

This document is mainly used for HTTP docking of face recognition integrated machine, and is suitable for system development and maintenance personnel.

2. 接口原则

Interface principle

本数据接口规范采用标准的 HTTP 协议进行通讯，要求如下：
This data interface specification adopts the standard HTTP protocol for communication, and the requirements are as follows:

2.1 请求方法

2.1 request method

请求方法使用 POST 方法，下发和上传的数据放在消息主体（entity-body）中。

The request method uses the POST method, and the data sent and uploaded is placed in the message body.

2.2 数据类型及格式

2.2 data type and format

2.2.1 所有字符串都应以 UTF-8 字符集编码。

2.2.1 all character strings shall be encoded with UTF-8 character set.

2.2.2 双方交换的数据统一打包为 JSON 格式，基本格式如下：

2.2.2 the data exchanged by both parties are uniformly packaged in JSON format, and the basic format is as follows:

```
{  
    "operator": "<Operator>",  
    "info": {<Info>},  
    .....  
}
```

更详细内容请查看 [3.具体功能接口](#) 各个接口的具体数据格式。

Please check for more details [3. Specific functional interface](#) Specific data format of each interface.

2.2.3 所有图片数据使用 base64 编码或者图片 URI。

2.2.3 all picture data shall use base64 encoding or picture URI.

2.2.4 所有的 HTTP 交互的头中必须包含 Content-Length 或 Transfer-Encoding，注意区分大小写。

2.2.4 the headers of all HTTP interactions must contain Content-Length or Transfer-Encoding, and pay attention to case sensitivity.

2.3 语法

2.3 grammar

请求的 URI 格式: http://<server ipaddr>/action/<Operator>。其中<server ipaddr>: 请求的人脸识别一体机的 ip 地址; <Operator>: 操作内容, 详细请查看 [3.具体功能接口。](#)

The URI format of the request is http://< server IP addr >/action/< operator >. < server ipaddr >: the ip address of the requested face recognition integrated machine; < Operator >: operation content, please check for details [3. Specific functional interface](#) .

2.4 身份认证

2.4 identity authentication

为确保数据传输的安全性, 在正式传输数据时进行身份验证, 暂时使用 basic 方式。Authorization header 的典型数据为"Authorization: Basic jdhaHY0=", 其中 Basic 表示基础认证, jdhaHY0= 是 base64 编码的"user:passwd"字符串。例如一体机的用户名是“admin”, 密码是“admin”, 那么在发送数据的头里面“admin:admin” 的 base64 编码就是“YWRtaW46YWRtaW4=”, 发送数据身份证件认证如下:

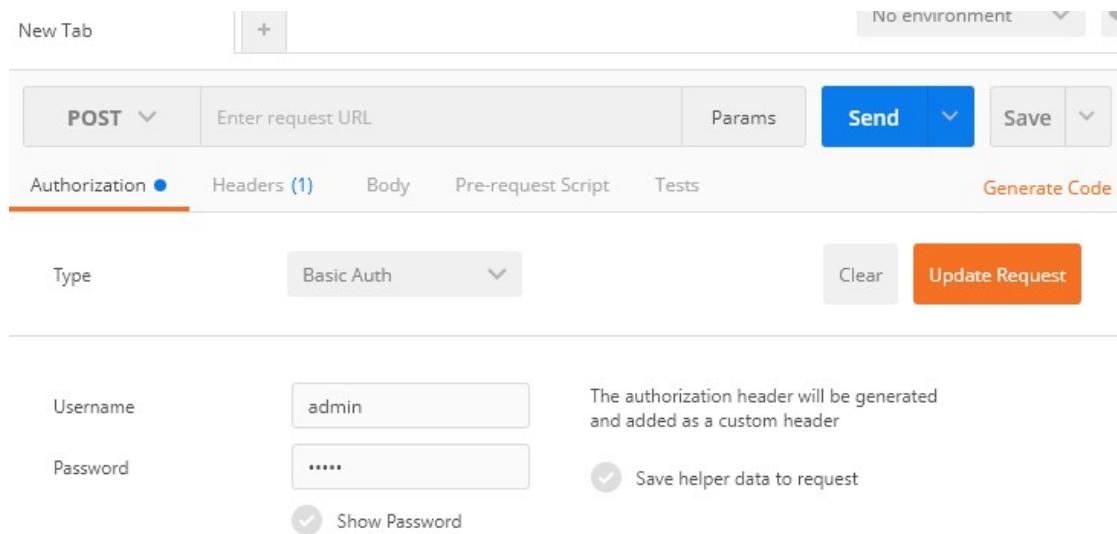
In order to ensure the security of data transmission, the basic mode is used temporarily for authentication when the data is formally transmitted.The typical data of the authorization header is "authorization: basic jdhahy0 =", where basic represents basic authentication and jdhahy0 = is Base64 encoded"user:passwd"String

tring. For example, if the user name of the all-in-one machine is "admin" and the password is "admin", then in the header of sending data, "admin:The base64 code of "admin" is "ywrtaw46ywrtaw4 =", and the authentication of sending data is as follows:

```
1 POST /action/AddPerson HTTP/1.1
2 Host: 172.168.2.96
3 Authorization: Basic YWRtaW46YWRtaW4=
4 Content-Type: text/plain
5
6 {
7     "operator": "AddPerson",
8     "info": {
9         "DeviceID":1305433,
10        "PersonType": 0,
11        "Name": "张三",
12        "Gender":0,
13        "Nation":0,
14        "CardType":0,
15        "IdCard":"430923199011044411",
16        "Birthday":"1990-11-04",
17        "Telnum": "18888888888",
18        "Native": "广东",
19        "Address": "深圳宝安",
20        "Notes": "备注",
21        "MjCardFrom": 2,
22        "WiegandType":7,
```

如果是 postman 为例调试接口，在 Authorization 下选择 Basic Auth，输入用户名、密码，点击 Update Request,postman 会把用户名密码自动加密添加 Headers 中，如图：

If postman is used as an example to debug the interface, select basic auth under authorization, enter the user name and password, and click update request. Postman will automatically encrypt the user name and password to the headers, as shown in the following figure:



设置好后，选择 POST 请求方式，输入对应功能接口 URL，点击 Send 即可。

After setting, select post request mode, input the URL of corresponding function interface, and click send.

3.具体功能接口

Specific function interface

3.1 声音设置

3.1 sound settings

获取或设置系统音频设置的参数。

Gets or sets parameters for system audio settings.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
-----	------	--------	-------------

operator	char	GetSound or SetSound	GetSound: 获取音频设置的参数 Getsound: gets the parameters of audio settings SetSound: 设置音频数据参数 Setsound: set audio data parameters
info	json object		具体内容 concrete content
VerifySuccAudio	int (optional)	0~1	认证成功是否声音播报 Whether the authentication is successful or not 0: 不播报 0: not broadcast 1: 播报 1: Broadcast
VerifyFailAudio	int (optional)	0~1	认证失败是否声音播报 If authentication fails, is voice broadcast 0: 不播报 0: not broadcast 1: 播报 1: Broadcast
RemoteCtrlAudio	int (optional)	0~1	远程控制声音播放 Remote control of sound playback 0: 非远程 0: not remote 1: 远程播放

			1: Remote playback
Volume	int (optional)	5 ~ 100 每隔 5 个值 逐次增加 Increase every 5 values	音量值 Volume value
VerifySuccGuiTip	int (optional)	0~1	认证成功界面是否提示 Is the authentication successful interface prompted 0: 不提示 0: do not prompt 1: 提示 1: Tips
VerifyFailGuiTip	int (optional)	0~1	认证失败界面是否提示 Is the authentication failure interface prompted 0: 不提示 0: do not prompt 1: 提示 1: Tips
UnregisteredGuTip	int (optional)	0~1	名单未注册界面是否提示 List not registered interface prompt 0: 不提示 0: do not prompt 1: 提示

			1: Tips
IPHide	int (optional)	0~1	<p>界面 IP 是否隐藏 Is the interface IP hidden</p> <p>0: 不隐藏 0: do not hide</p> <p>1: 隐藏 1. hidden</p>
IsShowName	int (optional)	0~2	<p>比对成功，名字提示是否显示 The comparison is successful. Is the name prompt displayed</p> <p>0: 不显示 0: do not display</p> <p>1: 显示 1: display</p> <p>2: 部分显示(隐藏后面部分) 2: partial display (hide the back part)</p>
IsShowTitle	int (optional)	0~1	<p>界面标题提示是否显示(弃用) Whether the interface title prompt is displayed (discarded)</p> <p>0: 不显示(默认) 0: not displayed (default)</p> <p>1: 显示</p>

			1: display
IsShowVersion	int (optional)	0^1	<p>界面版本号提示是否显示(弃用) Whether to display the interface version number prompt (discard)</p> <p>0: 不显示(默认) 0: not displayed (default)</p> <p>1: 显示 1: display</p>
IsShowDate	int (optional)	0^1	<p>界面日期提示是否显示(弃用) Display (discard) the interface date prompt</p> <p>0: 不显示 0: do not display</p> <p>1: 显示 1: display</p>
IDCardNumHide	int (optional)	0^1	<p>界面刷卡卡号是否隐藏(内置刷卡机型) Is the interface card number hidden (built-in card swiping model)</p> <p>0: 不隐藏 0: do not hide</p> <p>1: 隐藏 1. hidden</p>

ICCardNumHide	int (optional)	0~1	界面 IC 刷卡卡号是否隐藏（除内置刷卡机型外支持） Is the interface IC card number hidden (except for the built-in card swiping model) 0: 不隐藏 0: do not hide 1: 隐藏 1. hidden
DisplayPicture	int (optional)	0~1	比对成功显示图像 Image displayed successfully by comparison 0: 抓拍图像 0: capture image 1: 注册图像 1: register image
IsShowDeviceID	int (optional)	0~1	显示本机 ID Show local ID 0: 不显示 0: do not display 1: 显示 1: display
IsShowPersonNum	int (optional)	0~1	显示注册名单数 Displays the number of registration lists 0: 不显示 0: do not display 1: 显示 1: display

VerifyTipContent	String (optional)	自定义 customize	认证成功 UI 文字提示 (长度 32 字节以内， 不可过长，否则导致 UI 显示不全) UI text prompt for successful authentication (within 32 bytes in length, not too long, otherwise the UI display will be incomplete) 默认：请通行 Default: Please pass
UnregisterTipContent	String (optional)	自定义 customize	名单未注册 UI 文字提示 (长度 32 字节以 内，否则导致 UI 显示 不全) UI text prompts are not registered in the list (the length is less than 32 bytes, otherwise the UI display will be incomplete) 默认：陌生人 Default: stranger
BlacklistTipContent	String (optional)	自定义 customize	认证失败 UI 文字提示 (长度 32 字节以内， 否则导致 UI 显示不 全) UI text prompt for authentication

			failure (the length is less than 32 bytes, otherwise the UI display will be incomplete) 默认：禁止通行 Default: No traffic
--	--	--	---

3.1.1 获取音频设置参数

3.1.1 obtaining audio setting parameters

Operator: **GetSound**

URI: **http://<server ipaddr>/action/GetSound**

e.g.,

`http://172.168.2.10/action/GetSound`

回复 body:

Reply to body:

```
{
  "operator": "GetSound",
  "info": {
    "VerifySuccAudio": 1,
    "VerifyFailAudio": 1,
    "RemoteCtrlAudio": 0,
    "Volume": 80,
    "VerifySuccGuiTip": 1,
    "VerifyFailGuiTip": 1,
    "UnregisteredGuiTip": 1,
    "IPHide": 0,
```

```
"IsShowName": 1,  
"DisplayPicture": 0,  
"IsShowTitle": 0,  
"IsShowVersion": 0,  
"IsShowDate": 1,  
"IsShowTime": 1,  
"ICCardNumHide": 0,  
"VerifyTipContent": "请通行",  
"Verifytipcontent": "please pass",  
  
"UnregisterTipContent": "陌生人",  
"Unregistertipcontent": "stranger,",  
  
"BlacklistTipContent": "禁止通行"  
"Blacklisttipcontent": "no access"  
  
}  
}
```

3.1.2 设置音频参数

3.1.2 setting audio parameters

Operator: **SetSound**

URI: <http://<server ipaddr>/action/SetSound>

e.g.,

<http://172.168.2.10/action/SetSound>

下发 body:

Issue body:

```
{
```

```

"operator": "SetSound",
"info":
{
    "VerifySuccAudio":1,
    "VerifyFailAudio":1,
    "RemoteCtrlAudio":1,
    "Volume":50,
    "VerifySuccGuiTip":1,
    "VerifyFailGuiTip":1,
    "UnregisteredGuiTip":1,
    "IPHide": 0,
    "IsShowName": 1,
    "DisplayPicture": 0,
    "ICCardNumHide": 0,
    "VerifyTipContent":"请通行",
    "Verifytipcontent": "please pass",

    "UnregisterTipContent":"陌生人",
    "Unregistertipcontent": "stranger,",

    "BlacklistTipContent":"禁止通行"
    "Blacklisttipcontent": "no access"
}
}

```

3.1.3 获取播放文件的数量和文件名

3.1.3 get the number and file name of playing files

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	GetAudio	SetAudio:获取可播放的音频文件 Setaudio: get a playable audio file
info	json object		具体内容 concrete content

AudioNum	int		音频文件数量 Number of audio files
AudioName	json array		<p>单个或多个音频文件名的集合，格式是音频文件名的 Json 数组</p> <p>A collection of single or multiple audio file names in the format of a JSON array of audio file names</p>

Operator: **GetAudio**

URI: **http://<server ipaddr>/action/GetAudio**

e.g.,

`http://172.168.2.10/action/GetAudio`

回复 body:

Reply to body:

```
{
  "operator": "GetAudio",
  "info": {
    "AudioNum": 1,
    "AudioName": [
      "welcome.wav", ...
    ]
}
```

```
    ]  
    }  
}
```

3.1.4 播放指定文件声音

3.1.4 play specified file sound

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SetAudio	SetAudio:设置播放指定的音频文件 Setaudio: set to play the specified audio file
info	json object		具体内容 concrete content
DeviceID	int		设备 ID Device ID
AudioType	int	0~1	播放文件的类型 Type of playback file 0:播放机器本地文件 0: play machine local files 1:播放自定义文件 1: Play custom file
AudioName	char (optional)		需要播放的音频文件名 (必须是 wav 文件, 采样率:16000Hz, 采样位

			数:16位, 单声道。文件名最长64字节) Name of audio file to be played (must be wav file, sampling rate: 16000hz, sampling bits: 16 bits, mono. File name up to 64 bytes)
--	--	--	---

Operator: **SetAudio**

URI: **http://<server ipaddr>/action/SetAudio**

e.g.,

`http://172.168.2.10/action/SetAudio`

下发 body:

Issue body:

```
{
  "operator": "SetAudio",
  "info": {
    "DeviceID":1300001,
    "AudioType":0,
    "AudioName":"welcome.wav"
  }
}
```

3.2 开门条件

3.2 door opening conditions

获取或设置开门条件参数。

Gets or sets the door opening condition parameters.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetDoorCondition or SetDoorCondition	GetDoorCondition: 获取 开门条件设置参数 Getdoorcondition: get the setting parameters of door opening conditions SetDoorCondition: 设置 开门条件参数 Setdoorcondition: set door opening condition parameters
info	json object		具体内容 concrete content
FaceThreshold	int (optional)	50 ~ 100	黑白名单比对门限 Black and white list comparison threshold
IDCardThreshold	int (optional)	50 ~ 100	身份证比对门限 ID card comparison threshold
OpendoorWay	int (optional)	0~3	0:人脸开门方式, 0: face opening mode, 1:远程开门方式,

			1: Remote door opening mode, 2:远程开门或人脸方式 3: 人脸核验+远程开门方式 2: Remote door opening or face mode 3: face verification + remote door opening mode
VerifyMode	int (optional)	1: 普通中性机器:1~4 or 21~26 1: General neutral machine: 1 ~ 4 or 21 ~ 26 2: 口罩或测温机器：是否需要口罩检测或体温检测 或()操作 基础开门验证方式。 2: Mask or temperature measuring machine: whether mask detection or temperature detection or () operation based door opening verification method is required.	基础开门验证方式。 (以下基础类型为 十进制) Basic door opening verification method. (The following basic types are decimal) 1: 白名单验证 1: white list verification 2: 身份证验证 2. ID card verification 3: 白名单 + 身份证 3: White list+ID card 4: 白名单 或 身份证 4: White list or ID card 5:单独口罩或单独体温或 单独口罩+体温(需配合是否包含口罩检测或体温检测使用， 口罩或测温机型) 5: Separate mask or separate body

	<p>支持口罩检测 或 (I)操作 0x100 表示 带有口罩检测验证; Support mask detection or (I) operation, and 0x100 indicates mask detection and verification;</p> <p>支持体温检测 或 (I)操作 0x200 表示 带有体温检测验证; Support body temperature detection or (I) operation 0x200 means with body temperature detection verification;</p> <p>支持口罩+体温检测或(I)操作 0x300 表示带有口罩+体温检测验证; Support mask+body temperature detection or (I) operation 0x300 means mask+body</p>	<p>temperature or separate mask+body temperature (need to cooperate with whether mask detection or body temperature detection is included, mask or temperature measuring model)</p> <p>21:RF 卡验证(内置刷卡机型) 21:RF card verification (built-in card swiping model)</p> <p>22:RF 卡验证 + 白名单 22:RF card verification+white list 验证(内置刷卡机型) Authentication (built-in credit card model)</p> <p>23:RF 卡验证或白名单验证(内置刷卡机型) 23:RF card verification or white list verification (built-in card swiping model)</p> <p>24:韦根卡验证 24: Wegeneka verification</p> <p>25:韦根卡+白名单验证</p>
--	--	---

		<p>temperature detection verification; 例如: For example: 1: 普通中性机器 1: ordinary neutral machine 1)白名单验证:1 1) white list verification: 1 2)韦根卡+白名单 验证:25 2) Wegener card+white list verification: 25 2: 口罩或测温机 器 2: Mask or temperature measuring machine 1) 单独口罩验证 通行 $(0x105=0x100\&5=$ 261) Separate masks verify passage $(0x105=0x100\&5=$ 261) </p>	<p>25: Wegeneka+white list verification</p> <p>26:韦根卡或白名单验证 26: Wegener card or white list verification</p>
--	--	--	--

	<p>2) 口罩+白名单验证 (0x101=0x100&1=257)</p> <p>2) Mask+white list verification (0x101=0x100&1=257)</p> <p>3) 单独体温通行 (0x205=0x200&5=517)</p> <p>3) Single temperature passage (0x205=0x200&5=517)</p> <p>4) 体温+白名单验证 (0x201=0x200&1=513)</p> <p>4) Body temperature+white list verification (0x201=0x200&1=513)</p> <p>5) 单独口罩+体温 (0x305=0x300&5=773)</p> <p>5) Separate mask+body</p>	
--	--	--

		<p>temperature (0x305=0x300&5= 773)</p> <p>6) 口罩+体温+韦 根刷卡+白名单验 证 (0x319=0x300& 25 =793)</p> <p>6) Mask+body temperature+Wigan swipe card+white list verification (0x319=0x300&25 =793)</p>	
VerifyResetTime	int (optional)	1~10	<p>验证复位时间 (秒) Verify reset time (seconds)</p> <p>UI 显示提示信息以及同一人 员验证复位时间内不再次识 别的时间 The UI displays prompt information and the time when the same person does not recognize again within the verification reset time</p>
Wiegand	int (optional)	0~1	<p>韦根协议类型。 Wigan protocol type.</p> <p>0: 26 位 0: 26 bits</p> <p>1: 34 位 1: 34 bits</p> <p>4:26 位(8+16): facility code+userid(设备代码+ 卡号);</p>

			4:26 digits (8+16): facility code+userid (equipment code+card number); 5:34 位(8+24); 5:34 bits (8+24); 6:26 位(8+16 分开填写); 6:26 digits (8+16 are filled separately); 7:34 位(8+24 分开填写); 7:34 digits (8+24 are filled separately);
PublicMjCardNo	unsigned int (optional)		公用门禁卡号 Public access control card number
AutoMjCardBgn No	unsigned int (optional)		自动生成门禁卡号的开始卡号 Automatically generate the starting card number of the access control card number
AutoMjCardEnd No	unsigned int (optional)		自动生成门禁卡号的结束卡号 Automatically generate the end card number of the access control card number
ControlType	int (optional)	0~2	控制开门接口方式。 Control the way of opening the door interface.

			<p>0:韦根接口 0: Wigan interface</p> <p>1:开关量 1. switching value</p> <p>2: 韦根接口+开关量 2: Wigan</p> <p>interface+switching value</p>
IOType	int (optional)	0~1	<p>控制开门接口方式时开门动作。 Open the door when controlling the opening interface mode.</p> <p>0:闭合 0: closed</p> <p>1:断开 1: disconnected</p>
IOStayTime	int (optional)		<p>保持时间(ms) Hold time (ms)</p>
Endian	int (optional)	0~1	<p>卡号大小端读卡模式 Card number reading mode at large and small end</p> <p>0:大端模式 0: big end mode</p> <p>1:小端模式 1: Small-end mode</p>
CardMode	int (optional)	0~1	<p>卡号方式 Card number method</p> <p>0:十进制 0: decimal</p> <p>1:十六进制 1: hexadecimal</p>

IsOutFF	int (optional)	0~1	陌生人韦根输出 8 个 F(韦根开门) Stranger Wigan outputs 8 F (Wigan opens the door) 0: 不输出 0: do not output 1: 输出 1: output
SnapResetTime	int (optional)	0~15(默认 0) 0~15 (default 0)	识别间隔时间(s):比对通过后等待时间识别下一个人 Identification interval time (s): the waiting time after passing the comparison to identify the next person

3.2.1 获取开门条件设置参数

3.2.1 obtain the setting parameters of door opening conditions

Operator: **GetDoorCondition**

URI:**http://<server ipaddr>/action/GetDoorCondition**

e.g.,

http://172.168.2.10/action/GetDoorCondition

回复 body:

Reply to body:

3.2.1.1. 开门接口方式为开关量:

3.2.1.1. The opening interface mode is switch value:

```
{  
    "operator": "GetDoorCondition",  
    "info": {  
        "FaceThreshold": 80,  
        "IDCardThreshold": 50,  
        "VerifyResetTime": 2,  
        "OpendoorWay": 0,  
        "VerifyMode": 1,  
        "ControlType": 1,  
        "IOType": 0,  
        "IOStayTime": 6,  
        "Endian": 0,  
        "CardMode": 0,  
        "SnapResetTime": 0  
    }  
}
```

3.2.1.1. 开门接口方式为韦根接口:

3.2.1.1. The opening interface is Wigan interface:

```
{  
    "operator": "GetDoorCondition",  
    "info": {  
        "FaceThreshold": 80,  
        "IDCardThreshold": 50,  
        "VerifyResetTime": 2,  
        "OpendoorWay": 0,  
    }  
}
```

```
"VerifyMode": 1,  
"Wiegand": 0,  
    "ControlType": 0,  
    "PublicMjCardNo": 2,  
    "AutoMjCardBgnNo": 2,  
    "AutoMjCardEndNo": 4,  
    "IOStayTime": 6,  
    "Endian": 0,  
    "CardMode": 0  
}  
}
```

3.2.1.2. 开门接口方式为韦根接口+开关量：

3.2.1.2. The opening interface mode is Wigan interface+switch value:

```
{  
    "operator": "GetDoorCondition",  
    "info": {  
        "FaceThreshold": 80,  
        "IDCardThreshold": 50,  
        "OpendoorWay": 0,  
        "VerifyMode": 1,  
        "Wiegand": 0,  
            "ControlType": 0,  
            "PublicMjCardNo": 2,  
            "AutoMjCardBgnNo": 2,  
            "AutoMjCardEndNo": 4,  
            "IOStayTime": 6,  
            "Endian": 0,  
            "CardMode": 0  
    }  
}
```

3.2.2 设置开门条件参数

3.2.2 setting door opening condition parameters

Operator: **SetDoorCondition**

URI:**http://<server ipaddr>/action/SetDoorCondition**

e.g.,

http://172.168.2.68/action/SetDoorCondition

下发 body:

Issue body:

3.2.2.1. 开门接口方式为开关量:

3.2.2.1. The opening interface mode is switch value:

```
{  
    "operator": "SetDoorCondition",  
    "info": {  
        "FaceThreshold": 90,  
        "IDCardThreshold": 50,  
        "OpendoorWay": 0,  
        "VerifyMode": 1,  
        "ControlType": 1,  
        "IOType": 0,  
        "IOStayTime": 200,  
        "Endian": 0,  
        "CardMode": 1,  
        "SnapResetTime": 0  
    }  
}
```

3.2.2.2. 开门接口方式为韦根接口：

3.2.2.2. The opening interface is Wigan interface:

```
{  
    "operator": "SetDoorCondition",  
    "info": {  
        "FaceThreshold": 90,  
        "IDCardThreshold": 50,  
        "OpendoorWay": 0,  
        "VerifyMode": 1,  
        "ControlType": 0,  
        "Wiegand": 0,  
        "PublicMjCardNo": 2,  
        "AutoMjCardBgnNo": 2,  
        "AutoMjCardEndNo": 4,  
        "IOStayTime": 200,  
        "Endian": 0,  
        "CardMode": 1  
    }  
}
```

3.2.2.3. 开门接口方式为韦根接口+开关量：

3.2.2.3. The opening interface mode is Wigan interface+switch value:

```
{  
    "operator": "SetDoorCondition",  
    "info": {  
        "FaceThreshold": 90,  
        "IDCardThreshold": 50,  
        "OpendoorWay": 0,  
        "VerifyMode": 1,  
        "ControlType": 0,  
        "Wiegand": 0,  
        "SwitchValue": 1  
    }  
}
```

```
"PublicMjCardNo": 2,  
"AutoMjCardBgnNo": 2,  
"AutoMjCardEndNo": 4,  
"IOStayTime": 200,  
    "Endian": 0,  
    "CardMode": 1  
}  
}
```

3.2.3 开门方式简介

3.2.3 introduction of door opening mode

目前人脸识别一体机支持以下几种开门方式:人脸开门方式、远程开门方式、远程开门或人脸方式、人脸核验+远程开门方式。

At present, the face recognition integrated machine supports the following door opening modes: face opening mode, remote door opening mode, remote door opening or face opening mode, face verification+remote door opening mode.

0: 人脸开门方式：人脸识别一体机会推送陌生人抓拍信息和认证比对信息，在比对通行后直接执行开门及 UI 提示信息，这个模式下，调用远程开门指令将无效。

0: Face-opening mode: Face recognition can push strangers' snapshot information and authentication comparison information, and directly execute door opening and UI prompt information after comparison. In this mode, calling remote door opening instruction will be invalid.

1: 远程开门方式：人脸识别一体机只推送陌生人抓拍信息，不推送认证比

对信息，**不产生控制记录**，比对通过直接执行开门和 UI 信息提示，这个模式下，可以调用远程开门指令，此模式主要用于前端抓拍，后端比对，后端执行远程开门。

1. remote door opening mode: the face recognition all-in-one machine only pushes the information captured by strangers, does not push the authentication comparison information, and does not generate control records. the comparison directly executes the door opening and UI information prompt. in this mode, the remote door opening instruction can be called. this mode is mainly used for front-end capture, back-end comparison and back-end remote door opening.

2：远程开门或人脸方式：人脸识别一体机会推送陌生人抓拍信息和认证比对信息，在比对通行后直接执行开门及 UI 提示信息，此模式下，可以调用远程开门指令。

2. Remote door opening or face mode: Face recognition can push strangers' snapshot information and authentication comparison information, and directly execute door opening and UI prompt information after comparison. In this mode, remote door opening instruction can be called.

3：人脸核验+远程开门方式：人脸识别一体机会推送陌生人抓拍信息和认证比对信息，比对通过不会直接执行开门和 UI 信息提示，开门信息和 UI 提示需要在回复收到认证推送数据包的回复中附带开门信息和 UI 提示。此模式需要 HTTP 设置在**断网续传**模式下，且开启**认证订阅**下配合使用。此时人脸识别一体机在比对通行的情况下，将认证比对信息推送至 HTTP 订阅的地址（平台），平台需要在收到认证订阅的推送信息后，再回复断网续传 json 数据确认包里面直

接带上开门和提示信息，一体机直接执行开门和 UI 信息提示，不需要调用远程开门指令。此模式下需要注意排除推送的认证数据是否是断网续传的认证比对数据，如果是断网续传的数据和远程开门的认证数据，则回复的数据包不需要再次执行开门动作。

3. Face verification+remote door opening mode: Face recognition can push strangers' snapshot information and authentication comparison information. If the comparison is passed, the door opening and UI information prompt will not be directly executed. The door opening information and UI prompt should be accompanied with the reply of receiving authentication push data packet. This mode requires HTTP setting in the mode of disconnection and continuous transmission. And it can be used under the authentication subscription. At this time, the face recognition all-in-one machine pushes the authentication comparison information to the address (platform) subscribed by HTTP under the condition that the comparison is passed. After receiving the push information of authentication subscription, the platform needs to reply to the json data confirmation package for disconnection and continuous transmission, and bring the door opening and prompt information directly. The all-in-one machine directly executes the door opening and UI information prompt. There is no need to call the remote door opening command. In this mode, attention should be paid to excluding whether the pushed authentication data is authentication comparison data of disconnection and continuous transmission. If it is data of disconnection and continuous transmission and authentication data of remote

door opening, the reply data packet does not need to open the door again.

采用人脸核验+远程开门方式回复开启断网续传时接收到认证订阅的信息确认包举例：

An example of the information confirmation package of authentication subscription received when the face verification+remote door opening method is adopted to reply to the opening of network disconnection and continuous transmission:

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
code	int	200	断网续传模式下必传字段 Mandatory fields in the mode of disconnection and continuous transmission
desc	char	OK	断网续传模式下必传字段 Mandatory fields in the mode of disconnection and continuous transmission
openDoor	int (optional)	0~1	开门动作 Open door action 0: 不开门 0: do not open the door 1: 开门 1: open the door

showInfo	String (optional)	64 字节(包含结束符) 64 bytes (including terminator)	UI 提示信息 UI prompt information
----------	----------------------	--	----------------------------------

e.g., 回复需要开门+UI 提示信息

e. G., reply to need to open the door + UI prompt message

{

 "code": 200,

 "desc": "OK",

 "openDoor": 1,

 "showInfo": "XX 请通行"

 >Showinfo": "XX please pass"

}

e.g., 回复不需要开门+UI 提示信息

e. G., reply no need to open the door + UI prompt message

{

 "code": 200,

 "desc": "OK",

 "openDoor": 0,

 "showInfo": "XX 无权限通行"

```
        "Showinfo": "XX has no permission to pass"  
    }  

```

3.3 设置用户名、密码

3.3 setting user name and password

设置人脸识别一体机的用户名和密码。

Set the user name and password of the all-in-one face recognition machine.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SetUserPwd	设置人脸识别一体机的用户名和密码 Set the user name and password of the face recognition all in one machine
info	json object		具体内容 concrete content
User	char	User name	用户名, 最大长度 64 个字符长度 (含结束符) User name, maximum length 64 characters (including terminator)
Pwd	char	Password	密码, 最大长度 64 个字符长度 (含结束符) Password, maximum length 64 characters (including terminator)

Operator: **SetUserPwd**

URI:**http://<server ipaddr>/action/SetUserPwd**

e.g.,

`http://<server ipaddr>/action/SetUserPwd`

下发 body

Issue body

```
{  
    "operator": "SetUserPwd",  
    "info": {  
        "User": "admin",  
        "Pwd": "admin"  
    }  
}
```

3.4 网络参数

3.4 network parameters

获取或设置网络参数。在设置网络参数过程中，有改变 IP 等行为后机器将重启，同时目前不回复设置结果返回。

Gets or sets network parameters. In the process of setting network parameters, the machine will restart after changing IP and other behaviors. At the same time, the setting result will not be returned at present.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetNetParam or SetNetParam	GetNetParam: 获取网络参数 Getnetparam: get network parameters SetNetParam: 设置网络参数 Setnetparam: setting network parameters
info	json object		具体内容 concrete content
IPAddr	char (optional)		设备 ip 地址(最长 64 字节) Device IP address (up to 64 bytes)
Submask	char (optional)		设备 ip 子网掩码(最长 32 字节) Device IP subnet mask (up to 32 bytes)
Gateway	char (optional)		设备 ip 网关(最长 32 字节) Device IP gateway (up to 32 bytes)
ListenPort	int (optional)		数据服务端口 Data service port
WebPort	int (optional)		Web 服务端口 Web service port
DHCP	int	0~1	DHCP(仅海思方案支持)

	(optional)		DHCP (only supported by Hisilicon) 0: 不启用 (默认不启用) 0: not enabled (not enabled by default) 1: 启用 (启用的时候注意建议 UI 界面不要隐藏 IP) 1: Enable (when enabling, it is recommended that the UI interface should not hide IP)
DefRoute	int (optional)	0~1	默认路由(WiFi/4G 版本特有) Default routing (WiFi / 4G version specific) 0: 有线路由 0: wired routing 1: WiFi 路由 1: WiFi routing 2: 4G 路由 2: 4G routing

3.4.1 获取网络参数

3.4.1 obtaining network parameters

Operator: **GetNetParam**

URI:**http://<server ipaddr>/action/GetNetParam**

e.g.,

<http://192.168.2.10/action/GetNetParam>

回复的 body

Reply body

```
{  
    "operator": "GetNetParam",  
    "info": {  
        "IPAddr": "192.168.2.10",  
        "Submask": "255.255.255.0",  
        "Gateway": "192.168.2.1",  
        "ListenPort": 5000,  
        "WebPort": 80  
    }  
}
```

3.4.2 设置网络参数

3.4.2 setting network parameters

Operator: **SetNetParam**

URI:<http://<server ipaddr>/action/SetNetParam>

e.g.,

<http://192.168.2.10/action/SetNetParam>

下发的 body

Issued body

```
{  
    "operator": "SetNetParam",  
    "info": {  
        "IPAddr": "192.168.2.10",  
        "Submask": "255.255.255.0",  
        "Gateway": "192.168.2.1",  
        "ListenPort": 5000,  
        "WebPort": 80  
    }  
}
```

3.5 时间参数

3.5 time parameters

获取或设置时间参数。

Gets or sets the time parameter.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetSysTime or SetSysTime	GetSysTime: 获取时间参数 Getsystime: get time parameter SetSysTime: 设置时间参数 Setsystime: set time parameter
info	Json object		具体内容 concrete content

Year	unsigned short (optional)	1900~	年 year
Month	unsigned short (optional)	1~12	月 month
Day	unsigned short (optional)	1~31	日 day
Hour	unsigned short (optional)	0~23	时 Hour
Minute	unsigned short (optional)	0~59	分 branch
Second	unsigned short (optional)	0~59	秒 second

3.5.1 获取系统时间

3.5.1 obtaining system time

Operator: **GetSysTime**

URI:**http://<server ipaddr>/action/GetSysTime**

e.g.,

http://192.168.2.10/action/GetSysTime

回复 body

Reply to body

```
{
  "operator": "GetSysTime",
```

```
"info": {  
    "Year": 2018,  
    "Month": 3,  
    "Day": 25,  
    "Hour": 20,  
    "Minute": 30,  
    "Second": 50  
}  
}
```

3.5.2 设置系统时间

3.5.2 setting system time

Operator: **SetSysTime**

URI:**http://<server ipaddr>/action/SetSysTime**

e.g.,

http://192.168.2.10/action/SetSysTime

下发 body

Issue body

```
{  
    "operator": "SetSysTime",  
    "info": {  
        "Year": 2018,  
        "Month": 3,  
        "Day": 25,  
    }  
}
```

```

    "Hour": 20,
    "Minute": 30,
    "Second": 50
}
}

```

3.6 NTP 参数

3.6 NTP parameters

获取或设置 NTP 参数。

Gets or sets the NTP parameter.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetSysNTP or SetSysNTP	GetSysNTP: 获取 NTP 参数 Getsysntp: get NTP parameters SetSysNTP: 设置 NTP 参数 Setsysntp: setting NTP parameters
info	json object		具体内容 concrete content
NtpEnable	int (optional)	0~1	是否启用 NTP 校时 Whether to enable NTP timing 0: 不启用 0: not enabled 1: 启用 1: Enable
NtpUrl	char (optional)		NTP 服务器 ip 地址(最长 64 字节) NTP server IP address (up to 64 bytes)

NtpPort	int (optional)		NTP 服务器端口 NTP server port
NtpTimeZon e	int (optional)	1~30	<p>时区 time zone</p> <p>1: (GMT-12:00) 日界线西 1: (gmt-12:00) west of the Japanese border</p> <p>2: (GMT-11:00) 中途岛, 萨摩亚群岛 2: (gmt-11:00) midway, Samoa</p> <p>3:(GMT-10:00) 夏威夷 3: (gmt-10:00) Hawaii</p> <p>4:(GMT-09:00) 阿拉斯加 4: (gmt-09:00) Alaska</p> <p>5:(GMT-08:00) 太平洋时间(美国和加拿大) 5: (gmt-08:00) Pacific time (USA and Canada)</p> <p>6:(GMT-07:00) 山地时间(美国和加拿大) 6: (gmt-07:00) mountain time (USA and Canada)</p> <p>7:(GMT-06:00) 中部时间(美国和加拿大) 7: (gmt-06:00) Central time (USA and Canada)</p> <p>8:(GMT-05:00) 东部时间(美国和加拿大) 8: (gmt-05:00) Eastern time (USA and Canada)</p>

			<p>9:(GMT-04:00) 大西洋时间(加拿大)</p> <p>9: (gmt-04:00) Atlantic time (Canada)</p> <p>10:(GMT-03:30) 纽芬兰</p> <p>10: (gmt-03:30) Newfoundland</p> <p>11:(GMT-03:00) 乔治敦、巴西利亚</p> <p>11: (gmt-03:00) Georgetown, Brasilia</p> <p>12:(GMT-02:00) 中大西洋</p> <p>12: (gmt-02:00) Mid Atlantic</p> <p>13:(GMT-01:00) 佛得角群岛、亚速尔群岛</p> <p>13: (gmt-01:00) Cape Verde, Azores</p> <p>14:(GMT+00:00) 都柏林、爱丁堡、伦敦</p> <p>14: (GMT + 00:00) Dublin, Edinburgh, London</p> <p>15:(GMT+01:00) 阿姆斯特丹、柏林、罗马、巴黎</p> <p>15: (GMT + 01:00) Amsterdam, Berlin, Rome, Paris</p> <p>16:(GMT+02:00) 雅典、耶路撒冷、伊斯坦布尔</p> <p>16: (GMT + 02:00) Athens, Jerusalem, Istanbul</p> <p>17:(GMT+03:00) 巴格达、科威特、莫斯科</p>
--	--	--	--

			<p>17: (GMT + 03:00) Bagdad, Kuwait, Moscow</p> <p>18:(GMT+03:30) 德黑兰 18: (GMT + 03:30) Teheran</p> <p>19:(GMT+04:00) 高加索标准时间</p> <p>19: (GMT + 04:00) Caucasus standard time</p> <p>20:(GMT+04:30) 喀布尔 20: (GMT + 04:30) Kabul</p> <p>21:(GMT+05:00) 伊斯兰堡、卡拉奇、塔什干 21: (GMT + 05:00) Islamabad, Karachi, Tashkent</p> <p>22:(GMT+05:30) 马德拉斯、孟买、新德里 22: (GMT + 05:30) Madras, Mumbai, New Delhi</p> <p>23:(GMT+06:00) 阿拉木图、新西伯利亚、达卡 23: (GMT + 06:00) Almaty, Novosibirsk, Dhaka</p> <p>24:(GMT+07:00) 曼谷、河内、雅加达 24: (GMT + 07:00) Bangkok, Hanoi, Jakarta</p> <p>25:(GMT+08:00) 北京、乌鲁木齐、新加坡 25: (GMT + 08:00) Beijing, Urumqi, Singapore</p> <p>26:(GMT+09:00) 汉城、东京、大阪、札幌</p>
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			26: (GMT + 09:00) Seoul, Tokyo, Osaka, Sapporo 27:(GMT+09:30) 阿德莱德、达尔文 27: (GMT + 09:30) Adelaide, Darwin 28:(GMT+10:00) 墨尔本、悉尼、堪培拉 28: (GMT + 10:00) Melbourne, Sydney, Canberra 29:(GMT+11:00) 马加丹、索罗门群岛 29: (GMT + 11:00) Magadan, Solomon Islands 30:(GMT+12:00) 奥克兰、惠灵顿 30: (GMT + 12:00) Auckland, Wellington
NtplInterval	unsigned int		ntp 校时间隔, 单位为小时 NTP calibration interval, unit: hour

3.5.1 获取 NTP 参数

3.5.1 Get NTP parameters

Operator: **GetSysNTP**

URI:`http://<server ipaddr>/action/GetSysNTP`

e.g.,

<http://192.168.2.10/action/GetSysNTP>

回复 body

Reply to body

```
{  
    "operator": "GetSysNTP",  
    "info": {  
        "NtpEnable": 0,  
        "NtpUrl": "time.windows.com",  
        "NtpPort": 123,  
        "NtpTimeZone": 25,  
        "NtpInterval": 1  
    }  
}
```

3.5.2 设置 NTP 参数

3.5.2 Setting NTP parameters

Operator: **SetSysNTP**

URI:<http://<server ipaddr>/action SetSysNTP>

e.g.,

<http://192.168.2.10/action/SetSysNTP>

下发 body

Issue body

```
{
```

```

"operator": "SetSysNTP",
"info": {
    "NtpEnable": 0,
    "NtpUrl": "time.windows.com",
    "NtpPort": 123,
    "NtpTimeZone": 14,
    "NtpInterval": 1
}
}

```

3.7 中心连接

3.7 central connection

获取或设置中心连接参数。

Gets or sets the central connection parameters.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetCenter or SetCenter	GetCenter: 获取中心连接参数 Getcenter: get central connection parameters SetCenter: 设置中心连接参数 Setcenter: setting central connection parameters
info	json object		具体内容 concrete content
ConnectCenter	int (optional)	0~1	是否启用中心连接

			Enable central connection 0: 不启用 0: not enabled 1: 启用 1: Enable
CenterUrl	char (optional)		中心服务器 ip 地址(最大 64 个字节) IP address of central server (maximum 64 bytes)
CenterPort	int (optional)		中心服务器端口 Central server port
CenterUser	char (optional)		用户名, 最大长度 30 个字符长度 (含结束符) User name, the maximum length is 30 characters (including the ending character)
CenterPwd	char (optional)		密码, 最大长度 30 个字符长度 (含结束符) Password, up to 30 characters long (including terminator)
SendSnapImage	int (optional)	0~1	是否发送实时图片 Send real time pictures 0: 不发送 0: do not send 1: 发送 1: Send

SendVerifyResult	int (optional)	0~1	是否发送认证结果 Whether to send authentication results 0: 不发送 0: do not send 1: 发送 1: Send
------------------	-------------------	-----	--

3.5.1 获取中心连接参数

3.5.1 Get the connection parameters of the center

Operator: **GetCenter**

URI: **http://<server ipaddr>/action/GetCenter**

e.g.,

`http://192.168.2.10/action/GetCenter`

回复 body

Reply to body

```
{
  "operator": "GetCenter",
  "info": {
    "ConnectCenter": 0,
    "CenterUrl": "192.168.2.10",
    "CenterPort": 6666,
    "CenterUser": "admin",
    "CenterPwd": "admin",
    "SendSnapImage": 1,
  }
}
```

```
        "SendVerifyResult": 1  
    }  
}
```

3.5.2 设置中心连接参数

3.5.2 Setting center connection parameters

Operator: SetCenter

URI:`http://<server ipaddr> /action/SetCenter`

e.g.,

`http://192.168.2.10 /action/SetCenter`

下发 body

Issue body

```
{  
    "operator": "SetCenter",  
    "info": {  
        "ConnectCenter": 0,  
        "CenterUrl": "192.168.2.10",  
        "CenterPort": 6666,  
        "CenterUser": "admin",  
        "CenterPwd": "admin",  
        "SendSnapImage": 1,  
        "SendVerifyResult": 1  
    }  
}
```

3.8 恢复出厂

3.8 Restore the factory

恢复出厂接口主要涉及到出厂模式的设置，以及名单和控制记录等全部设置

等。**恢复抓拍记录、人员名单库和控制记录等操作为不可逆操作，请谨慎操**

作。不需要恢复的部分，可以不恢复，支持部分恢复。

The restoration of factory interface mainly involves the setting of factory mode, list and control record, etc. It is irreversible to restore the snapshot record, personnel list database and control record. Please operate with caution. For those parts that do not need to be restored, partial recovery is supported.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SetFactoryDefault	设置设备恢复出厂 Set device to factory
info	json object		具体内容 concrete content
DefaltDoorSet	unsigned char (optional)	0~1	开门条件是否恢复出厂 Whether the door opening conditions are restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory

DefaltSoundSet	unsigned char (optional)	0~1	声音设置是否恢复出厂 Is the sound setting restored to factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltNetPar	unsigned char (optional)	0~1	网络参数是否恢复出厂 Are network parameters restored to factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltCenterPar	unsigned char (optional)	0~1	中心连接参数是否恢复出厂 Are the center connection parameters restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltCapture	unsigned char (optional)	0~1	抓拍记录+控制记录是否恢复出厂

			Whether the snap record+control record is restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltLog	unsigned char (optional)	0~1	日志记录是否恢复出厂 Is the logging restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltPerson	unsigned char (optional)	0~1	人员名单库+控制记录是否恢复出厂 Whether the personnel list database+control records are restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltRecord	unsigned char (optional)	0~1	控制记录是否恢复出厂 Is the control record restored to the factory

			<p>0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory</p>
DefaltMaintainTime	unsigned char (optional)	0~1	<p>系统维护时间是否恢复出厂 Is the system maintenance time restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory</p>
DefaltSystemSettings	unsigned char (optional)	0~1	<p>系统参数:身份证读卡器类型; 是否记录抓拍,身份证,认证记录等参数是否恢复出厂 System parameters: ID card reader type; Whether to record capture, ID card, certification record and other parameters are restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂</p>

			1: Return to factory
DefaltEnterIPC	unsigned char (optional)	0~1	<p>(人脸分析服务器使用), 接入摄像机参数是否恢复出厂 (used by face analysis server), whether the access camera parameters are restored to the factory</p> <p>0: 不恢复出厂 0: do not return to factory</p> <p>1: 恢复出厂 1: Return to factory</p>
DefaltServerBasicPara	unsigned char (optional)	0~1	<p>(人脸分析服务器使用), 基本参数配置:信息发布; 通道选择; 是否清空界面抓拍和比对信息 是否恢复出厂 (used by face analysis server), basic parameter configuration: information release; Channel selection; Empty interface capture and comparison information Whether to restore the factory</p> <p>0: 不恢复出厂</p>

			0: do not return to factory 1: 恢复出厂 1: Return to factory
DefaltWorktype	unsigned char (optional)	0~1	(人脸分析服务器使用), 人员类型参数是否恢复出厂 (used by face analysis server), is the personnel type parameter restored to the factory 0: 不恢复出厂 0: do not return to factory 1: 恢复出厂 1: Return to factory

Operator: **SetFactoryDefault**

URI: **http://<server ipaddr>/action/SetFactoryDefault**

e.g.,

<http://192.168.2.10/action/SetFactoryDefault>

下发 body

Issue body

{

```

"operator": "SetFactoryDefault",
"info": {
    "DefaltDoorSet": 0,
    "DefaltSoundSet": 0,
    "DefaltNetPar": 0,
    "DefaltCenterPar": 0,
    "DefaltCapture": 0,
    "DefaltLog": 0,
    "DefaltPerson": 0,
    "DefaltRecord": 0,
    "DefaltMaintainTime": 0,
    "DefaltSystemSettings": 0,
    "DefaltEnterIPC": 0,
    "DefaltServerBasicPara": 0,
    "DefaltWorktype": 0
}

}
}

```

3.9 设备信息

3.9 Equipment Information

获取或设置设备信息。

Gets or sets the device information.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetSysParam or SetSysParam	获取或设置系统设备信息 Gets or sets system device information
info	json object		具体内容

			concrete content
Name	char (optional)		设备名称,最大支持 64 个字符长度 (含结束符) Device name, with a maximum length of 64 characters (including terminator)
DeviceID	int (optional)		设备 ID(不可设置) Equipment ID (not settable)
Version	char (optional)		系统版本(不可设置) System version (not settable)

3.9.1 获取设备信息

3.9.1 Obtain equipment information

Operator: **GetSysParam**

URI:**http://<server ipaddr>/action/GetSysParam**

e.g.,

http://192.168.2.10/action/GetSysParam

回复 body

Reply to body

{

```
"operator": "GetSysParam",
"info": {
    "Name": "facegate1",
    "DeviceID": 1300001,
    "Version": "v4.0.5-0.0.6.0"
}
}
```

3.9.2 设置设备信息

3.9.2 Set the equipment information

允许设置设备的名称。

Allows you to set the name of the device.

Operator: **SetSysParam**

URI:**http://<server ipaddr>/action/SetSysParam**

e.g.,

http://192.168.2.10/action/SetSysParam

回复 body

Reply to body

```
{
    "operator": "SetSysParam",
    "info": {
        "Name": "facegate_test"
    }
}
```

}

3.10 名单的添加、编辑修改

3.10 Add, edit and modify the list

名单的添加、修改。对应下发的人员名单图片可以下发 key 值为 picinfo 填入 base64 的图片数据，也可通过 key 值为 picURI 填入图片的 URI 地址，由人脸识别一体机获取对应的图片数据。[这两种方式 2 选 1](#)，当 picinfo 和 picURI 同时传入数据时，默认获取 picinfo 对应的数据。

Addition and modification of the list. Corresponding to the issued personnel list pictures, you can issue picture data whose key value is picinfo and fill in base64, or fill in the URI address of the picture with picURI through the key value, and the face recognition all-in-one machine can obtain the corresponding picture data. Either way, when picinfo and picURI pass in data at the same time, the data corresponding to picinfo will be acquired by default.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	AddPerson or EditPerson	AddPerson: 往名单库添加名单 AddPerson: add a list to the list library EditPerson: 修改名单库里的人員信息

			EditPerson: Modify the person information in the list database
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号,可通过 3.9 设备信息获取 获取到。 The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
IdType	int	0~2	需要操作的 ID 类型, The type of ID that needs to be operated, 0:CustomizeID, 1:LibID,(修改使用) 1:LibID, (modified and used) 2:PersonUUID
CustomizeID	unsigned int (optional)		用户定义的 ID User defined ID IdType=0 时必填 Required when idtype = 0
LibID	int (optional)		数据库 ID (修改使用) Database ID (for modification)

			<p style="color: red;">IdType=1 时必填 Required when idtype = 1</p>
PersonUUID	char (optional)		用户定义的 UUID User defined UUID <p style="color: red;">IdType=2 时必填 Required when idtype = 2</p>
PersonType	int (optional)	0~1 (一体机) 0 ~ 1 (all in one machine) 0~11 (分析服务器) 0 ~ 11 (analysis server)	名单类型 List type 0: 白名单 0: white list 1: 黑名单 1: Blacklist 2-11:人员类型(分析服务器使用) 2-11: personnel type (used by analysis server)
Name	char (optional)		姓名, 最大长度 32 字符 长度 (含结束符) Name, maximum length 32 characters (including ending)
Gender	int (optional)	0~1	性别 Gender 0: 男 0: male 1: 女 1: Female
Nation	int	1~57	民族

	(optional)		<p>nation</p> <p>1: "汉" 1: "Han"</p> <p>详见附录 D.1 民族 See Appendix D.1 Nationalities</p>
CardType	int (optional)		<p>证件类型 Document type</p> <p>0:身份证 0: ID card</p>
IdCard	char (optional)		<p>证件号, 最大长度为 32 个字符长度 (含结束符) ID number, the maximum length is 32 characters (including ending character)</p>
Birthday	char (optional)	YYYY-MM-DD	<p>生日, e.g., 2018-1-1 Birthday, e.g., January 1, 2018</p>
Telnum	char (optional)		<p>电话号码, 最大长度为 32 个字符长度 (含结束 符) Telephone number, with a maximum length of 32 characters (including terminator)</p>
Native	char (optional)		<p>籍贯, 最大长度为 32 个 字符长度 (含结束符) Native place, the maximum length is 32</p>

			characters (including terminator)
Address	char (optional)		地址, 最大长度为 72 个字符长度 (含结束符) Address, the maximum length is 72 characters (including terminator)
Notes	char (optional)		备注, 最大长度为 64 个字符长度 (含结束符) Note, the maximum length is 64 characters (including terminator)
MjCardFrom	int (optional)	0~3	韦根卡号生成方式 Generation method of Wigan card number 0: 公用卡号 0: public card number 1: 自动生成 1: automatically generated 2: 手动输入 2: Manual input 3: 不使用门禁卡号 3: Do not use the access control card number
WiegandType	int (optional)	0~1 or 6~7	组成韦根卡号根据的韦根协议;当 MjCardFrom=2 必填; Wigan protocol which constitutes the Wigan card number; Mandatory when MjCardFrom=2;

			<p>0: 26 位 0: 26 bits</p> <p>1: 34 位 1: 34 bits</p> <p>6:26 位(8+16 facility code+userid(设备代码+卡号) 分开填写); 6:26 digits (8+16 facility code+userid (equipment code+card number) are filled separately);</p> <p>7:34 位(8+24 facility code+userid(设备代码+卡号) 分开填写) 7:34 digits (8+24 facility code+userid (equipment code+card number) are filled separately)</p> <p>默认:1(34 位) Default: 1(34-bit)</p>
WGFacilityCode	int (optional)		<p>设备代码(Facility code);当 WiegandType= 6 or 7 时 必填;和 MjCardNo 一起 使用。当 WiegandType=0 or 1 时, 不必填写。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Equipment code (Facility code); Required when WiegandType= 6 or 7; Used with MjCardNo.</p> <p>There is no need to fill in when WiegandType=0 or 1. See 3.10.5 Wigan Access Control Card Number and Built-in</p>

			Card ID Card Number
MjCardNo	unsigned int (optional)		<p>韦根门禁卡号(userid);当 WiegandType= 6 or 7 时 必填, 和 WGFacilityCode 一起使用。当 WiegandType=0 or 1 时, 单独构成韦根卡号。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Wigan access card number (userid); Required when WiegandType= 6 or 7, used with WGFacilityCode. When WiegandType=0 or 1, it constitutes the Wigan card number alone. See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
CardMode	unsigned int (optional)	0~1	<p>组成门禁卡号采用模式 Composition of access control card number adoption mode</p> <p>0: 十进制构成卡号 0: Decimal card number 1: 十六进制构成卡号</p>

			<p>1: Hexadecimal card number</p> <p>默认 0: 十进制构成卡号 详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Default 0: see the decimal composition card number for details 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
RFCardMode	unsigned int (optional)	0~1	<p>组成 RF (ID) 卡号采用模式, 针对内置刷卡机型 Composition RF(ID) card number adoption mode, aiming at built-in card swiping model</p> <p>0: 十进制构成卡号 0: Decimal card number</p> <p>1: 十六进制构成卡号 1: Hexadecimal card number</p> <p>默认 1: 十六进制构成卡号 Default 1: Hexadecimal constitutes the card number</p>
RFIDCard	Char (optional)	<p>如果 RFCardMode=0, 填入十进制字符串 (“1369406761”); 如果 RFCardMode=1,</p>	<p>Id 卡卡号, 最大长度为 18 个字符长度, 针对 内置刷卡机型 (含结束符)。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p>

		<p>填入十六进制字符串 (“519F7D29”)</p> <p>If RFCardMode=0, fill in the decimal string ("1369406761"); If RFCardMode=1, fill in the hexadecimal string ("519F7D29")</p>	<p>Id card number, with a maximum length of 18 characters, for the built-in card swiping model (including terminator).</p> <p>See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
Tempvalid	int (optional)	0~3	<p>是否是临时名单 Is it a provisional list</p> <p>0: 永久生效名单 0: permanent effective list</p> <p>1: 临时名单 1(起止时间段) 1: Provisional list 1 (start and end period)</p> <p>2: 临时名单 2(每天时间段, 新数据库版本支持) 2: Temporary list 2 (daily time period, new database version support)</p> <p>3: 临时名单 3(有效次数, 新数据库版本支持) 3: Temporary list 3 (valid times, supported by new database version)</p>

CustomizeID	unsigned int (optional)		<p>用户自定义的人员 ID 号，可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 ID 添加人员，否则会导致修改删除等操作出错。</p> <p>The user-defined personnel ID number can be modified, deleted and managed by this ID number. Note: you can't use the same ID to add personnel repeatedly, otherwise it will cause errors in modification, deletion and other operations.</p>
PersonUUID	char (optional)		<p>用户自定义的人员 UUID 号，可以通过此 UUID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 ID 添加人员，否则会导致修改删除等操作出错(不超过 48 字节)</p> <p>The user-defined personnel UUID number can be modified or deleted to manage the corresponding personnel</p>

			information. Note: it is not allowed to add personnel with the same ID repeatedly, otherwise it will cause errors in modification, deletion and other operations (no more than 48 bytes)
ValidBegin	char (optional)	YYYY-MM- DDThh:mm:ss	<p>如果是临时名单 1, 临时名单生效的开始时间, e.g., 2018-03-12T09:09:20 If it is temporary list 1, the start time of the temporary list taking effect, e.g., 2018-03-12t09:09:20</p> <p>如果是临时名单 2: e.g., 2018-03-12T09:09:20 If it is a temporary list, 2: e.g., 2018-03-12t09:09:20</p> <p>2018-03-12 为临时名单生效的开始时间年月日; March 12, 2018 is the starting time for the provisional list to take effect;</p> <p>09:09:20 为临时名单生效的开始时间时分秒;</p>

			09:09:20 is the start time of the temporary list taking effect;
ValidEnd	char (optional)	YYYY-MM-DDThh:mm:ss	<p>如果是临时名单 1, 临时名单 1 生效的结束时间, e.g., 2018-03-12T09:10:00 If it is temporary list 1, the end time of temporary list 1 effective, e.g., 2018-03-12t09:10:00</p> <p>如果是临时名单 2: e.g., 2018-03-12T09:09:20 If it is a temporary list, 2: e.g., 2018-03-12t09:09:20</p> <p>2018-03-12 为临时名单生效的结束时间年月日; March 12, 2018 is the end time of the provisional list taking effect;</p> <p>09:09:20 为临时名单生效的结束时间时分秒; 09:09:20 is the end time when the temporary list takes effect;</p>
ChannelAuthorityX	int (optional)	0~1	第 X 通道权限:0:没有通道权限 1:有通道权限(人脸多路服务器使用)

			Channel x permission: 0: no channel permission 1: channel permission (for face multi-channel server)
EffectNumber	unsigned int (optional)	0 <EffectNumber< 2^{32}	临时名单 3 的有效通行次 数, 1~ 4294967295 Number of valid passes for provisional list 3, 1 ~ 4294967295
isCheckSimilarity	int (optional)	0~1	是否进行图片校验（添加的图片相似度大于黑白名单门限值的，提示名单已存在），默认 0:不校验 1:校验 Whether to check the image (if the similarity of the added image is greater than the threshold value of the black and white list, the list already exists). The default value is 0: no check, 1: check
IdCardId	char (optional)		身份证 ID，最大长度为 32 个字符长度（含结束 符）。（只针对门禁机， 其他机型无效） ID card ID, the maximum length is 32 characters

			(including terminator) (Only for access control, other models are invalid)
AccessId	char (optional)		门禁卡号, 最大长度为 24 个字符长度 (含结束 符)。 (只针对 12 寸门 禁机, 其他机型无效) The maximum length of the access card number is 24 characters (including the ending character) (Only for 12 inch access control machine, other models are invalid)
WardenId	char (optional)		管理员授权卡, 最大长度 为 32 个字符长度 (含结 束符)。 (只针对门禁 机, 其他机型无效) Administrator authorization card, the maximum length is 32 characters (including the ending character) (Only for access control, other models are invalid)
RoomNum	char (optional)		房间号, 最大长度为 24 个字符长度 (含结束 符)。 (只针对门禁机, 其他机型无效)

			Room number, the maximum length is 24 characters (including the ending character) (Only for access control, other models are invalid)
picinfo	char 和 picURI 两选一使用 And picuri		人脸图片的 base64 编码数据(不超过 1M) Base64 encoded data of face image (no more than 1m)
picURI	char 和 picinfo 两选一使用 And picinfo	https://btngps.oss-cn-beijing.aliyuncs.com/image/xxx.jpg	人脸图片数据的云端 URI 地址 Cloud URI address of face image data

3.10.1 单个名单添加

3.10.1 Adding a single list

单个名单添加的错误码返回见附录 [C.10.1.1 单个名单添加错误码](#)。

The error codes added to a single list are returned in the appendix [C. 10.1.1 add error code to single list](#)

Operator: **AddPerson**

URI:**http://<server ipaddr>/action/AddPerson**

e.g.,

http://192.168.2.10/action/AddPerson

e.g.1,添加永久名单+韦根门禁卡号 1046239（十进制卡号，韦根 34 位）+图片
数据采用 base64 编码

e. G.1, add permanent list + Wigan access control card number 1046239
(decimal card number, Wigan 34 digits) + picture data is encoded by Base64

```
{  
    "operator": "AddPerson",  
    "info": {  
        "DeviceID":1300001,  
        "PersonType": 0,  
        "Name": "张三",  
        "Name": Zhang San,  
        "Gender":0,  
        "Nation":1,  
        "CardType":0,  
        "IdCard": "430923199011044411",  
        "Birthday": "1990-11-04",  
        "Telnum": "18888888888",  
        "Native": "广东",  
        "Native": Guangdong,  
        "Address": "深圳宝安",  
        "Address": Shenzhen Bao'an,  
        "Notes": "备注",  
        "Notes": "notes",  
        "MjCardFrom": 2,  
        "WiegandType":1,  
        "CardMode":0,  
        "MjCardNo": 1046239,  
        "Tempvalid": 0,  
        "CustomizeID": 123456,  
    }  
}
```

```
"PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd8",
"isCheckSimilarity": 0
},
"picinfo":"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

Or

e.g.2,添加临时名单 1+韦根门禁卡号 9A018B2D (十六进制卡号, 韦根 8+24)
+图片数据采用 URI

e. G.2, add temporary list 1 + Wigan access control card No. 9a018b2d
(hexadecimal card number, Wigan 8 + 24) + image data adopts URI

```
{
"operator": "AddPerson",
"info": {
    "DeviceID":1300001,
    "PersonType": 0,
    "Name": "test",
    "Gender": 0,
    "Nation": 1,
    "CardType": 0,
    "IdCard": "430923199011044411",
    "Birthday": "1990-11-04",
    "Telnum": "18888888888",
    "Native": "广东",
    "Native": Guangdong,
    "Address": "深圳宝安",
    "Address": Shenzhen Bao'an,
    "Notes": "备注",
    "Notes": "notes",
    "MjCardFrom": 2,
    "WiegandType": 7,
```

```

    "CardMode":1,
    "WGFacilityCode":9A,
    "MjCardNo": 018B2D,
    "Tempvalid": 1,
    "CustomizeID": 123456,
    "PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd8",
    "isCheckSimilarity": 0,
    "ValidBegin":"2018-03-12T09:09:20",
    "ValidEnd":"2020-12-14T23:59:59",
},
"picURI":"https://btngps.oss-cn-beijing.aliyuncs.com/image/xxx.jpg"
}

```

e.g.3,添加临时名单 3+韦根门禁卡号 9A0192B3 (十六进制卡号, 韦根 8+24, 韦根输出使用) +ID 卡号 9A0192B3 (内置刷卡机型, 刷卡比对通行使用) + 图片数据采用 URI

e. G.3, add temporary list 3 + Wigan access control card No. 9a0192b3
(hexadecimal card number, Wigan 8 + 24, Wigan output use) + ID card No.
9a0192b3 (built-in swipe card model, swipe card compared with common use)
+ image data adopts URI

```

{
"operator": "AddPerson",
"info": {
    "DeviceID":1300001,
    "PersonType": 0,
    "Name": "test",
    "Gender": 0,
    "Nation": 1,
    "CardType": 0,
    "IdCard": "430923199011044411",
    "Birthday": "1990-11-04",
    "Telnum": "18888888888",
}
}

```

```
"Native": "广东",
"Native": Guangdong,
"Address": "深圳宝安",
"Address": Shenzhen Bao'an,
"Notes": "备注",
"Notes": "notes",
"MjCardFrom": 2,
"WiegandType": 7,
"CardMode": 1,
"WGFacilityCode": 9A,
"MjCardNo": 0192B3,
"RFIDCard": "9A0192B3",
"Tempvalid": 3,
"CustomizeID": 123456,
"PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd8",
"isCheckSimilarity": 0,
"EffectNumber": 5,
},
"picURI": "https://btngps.oss-cn-beijing.aliyuncs.com/image/xxx.jpg"
}
```

下发 body

Issue body

3.10.2 多个名单添加

3.10.2 Adding multiple lists

Operator: **AddPersons**

URI:**http://<server ipaddr>/action/AddPersons**

e.g.

http://192.168.2.10/action/AddPersons

下发 body

Issue body

```
{  
    "operator": "AddPersons",  
    "DeviceID": 1310023,  
    "Total": 3,  
    "Personinfo_0": {  
        "PersonType": 0,  
        "Name": "test",  
        "Gender": 0,  
        "Nation": 1,  
        "CardType": 0,  
        "IdCard": "430923199011044411",  
        "Birthday": "1990-11-04",  
        "Telnum": "18888888888",  
        "Native": "广东",  
        "Native": "Guangdong",  
        "Address": "深圳宝安",  
    },  
    "Address": "Shenzhen Bao'an",  
    "Notes": "备注",  
    "Notes": "notes",  
    "MjCardFrom": 2,  
    "WiegandType": 1,  
    "CardMode": 0,  
    "MjCardNo": 1046240,  
    "Tempvalid": 0,
```

```

    "CustomizeID": 120,
    "PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd6",
    "isCheckSimilarity": 0,
    "ValidBegin":"2019-02-12T09:09:20",
    "ValidEnd":"2019-03-12T09:09:20",
    "picinfo":"data:image/jpeg;base64,/9j/4AAQSAAQAB....."
},
"Personinfo_1":{

    .....
}

.....
}

Or

{

    "operator":"AddPersons",
    "DeviceID":1310023,
    "Total":3,
    "Personinfo_0":{

        "PersonType":0,
        "Name ":"test",
        "Gender":0,
        "Nation":1,
        "CardType":0,
        "IdCard":"430923199011044411",
        "Birthday":"1990-11-04",
        "Telnum":"18888888888",
        "Native":"广东",
        "Native": Guangdong,
        "Address":"深圳宝安",
        "Address": Shenzhen Bao'an,
        "Notes":"备注",
    }
}

```

```
"Notes": "notes",
    "MjCardFrom": 2,
    "WiegandType":7,
    "CardMode":1,
    "WGFacilityCode":9A,
    "MjCardNo": 0192B3,
    "RFIDCard": "9A0192B3",
        "Tempvalid": 0,
        "CustomizeID": 120,
        "PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd6",
        "isCheckSimilarity": 0,
        "ValidBegin":"2019-02-12T09:09:20",
        "ValidEnd":"2019-03-12T09:09:20",      "picURI":"https://btngps.oss-
cn-beijing.aliyuncs.com/image/xxx.jpg"
},
"Personinfo_1":{

    .....
}

.....
}
```

3.10.3 名单编辑修改

3.10.3 Edit and modify the list

依据 LibID(数据库 id)或 CustomizeID 或 UUID 来对名单就行编辑修改，需修改的参数可选，如不需要修改则对应的 Key 不要出现在下发的数据中。

Edit and modify the list according to libid (database ID) or customizeid or UUID. The parameters to be modified are optional. If no modification is needed, the corresponding key should not appear in the distributed data.

Operator: **EditPerson**

URI:**http://<server ipaddr>/action/EditPerson**

e.g.,

http://192.168.2.10/action/EditPerson

下发 body

Issue body

```
{  
    "operator": "EditPerson",  
    "info": {  
        "DeviceID":1300001,  
        "IdType":0,  
        "CustomizeID":123,  
        "PersonType": 0,  
        "Name":"hahaha",  
        "Gender":0,  
        "Nation":1,  
        "CardType":0,  
        "IdCard":"430923199011044411",  
        "Birthday":"1999-11-04",  
        "Telnum":"199999999999",  
        "Native":"火星",  
        "Native": Mars,  
        "Address":"深圳宝安",  
        "Address": Shenzhen Bao'an,  
        "Notes":"备注",  
    }  
}
```

```
"Notes": "notes",
    "MjCardFrom": 2,
    "WiegandType":1,
    "CardMode":0,
    "MjCardNo": 1046239,
    "Tempvalid": 0,
    "IdType": 0,
    "ValidBegin":"2018-03-12T09:09:20",
    "ValidEnd":"2018-03-12T09:09:20",
},
"picinfo": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEBCXgFeAABD……"
}
Or
{
"operator": "EditPerson",
"info": {
    "DeviceID":1300001,
    "IdType":1,
    "LibID":123,
    "PersonType": 0,
    "Name":"hahaha",
    "Gender":0,
    "Nation":1,
    "CardType":0,
    "IdCard":"430923199011044411",
    "Birthday":"1999-11-04",
    "Telnum":"19999999999",
    "Native":"火星",
    "Native": Mars,
    "Address":"深圳宝安",
    "Address": Shenzhen Bao'an,
```

```
"Notes":"备注",
"Notes": "notes",
    "MjCardFrom": 2,
    "WiegandType":7,
    "CardMode":1,
    "WGFacilityCode":9A,
    "MjCardNo": 018B91,
    "Tempvalid": 1,
    "ValidBegin":"2018-03-12T09:09:20",
    "ValidEnd":"2018-03-12T09:09:20",
    " ChannelAuthority0":"1",
    " ChannelAuthority1":"1",
    " ChannelAuthority2":"1",
    " ChannelAuthority3":"1"
},
"picURI":"https://btngps.oss-cn-beijing.aliyuncs.com/image/xxx.jpg"
}
Or
{
"operator": "EditPerson",
"info": {
    "DeviceID":1300001,
    "IdType":2,
    "PersonUUID":"5763a498-2fce-4d25-aa00-45b8278d9788",
    "PersonType": 0,
    "Name":"hahaha",
    "Gender":0,
    "Nation":1,
    "CardType":0,
    "IdCard":"430923199011044411",
    "Birthday":"1999-11-04",

```

```
"Telnum":"199999999999",
"Native":"火星",
"Native": Mars,
"Address":"深圳宝安",
"Address": Shenzhen Bao'an,
"Notes":"备注",
"Notes": "notes",
"MjCardFrom": 2,
"WiegandType":7,
"CardMode":1,
"WGFacilityCode":9A,
"MjCardNo": 123CB3,
"RFIDCard": "9A123CB3",
"Tempvalid": 3,
"EffectNumber": 10
},
"picinfo": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEBAQEBXgFeAABD……"
}
```

3.10.4 获取新旧数据库版本

3.10.4 Get the new and old database versions

新的数据库支持临时名单 2 和临时名单 3。旧的数据库在最新的版本中恢复出厂，重启设备，设备启动后则为最新的数据库。

The new database supports temporary list 2 and temporary list 3. The old database is restored to the factory in the latest version, and the device is restarted. After the device is started, it is the latest database.

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	GetDatabaseVer	获取设备的数据库版本 Gets the database version of the device
info	json object		具体内容 concrete content
DatabaseVersion	int	0~1	数据库版本 Database version 0: 旧数据库 0: old database 1: 新数据库 1: New database

Operator: GetDatabaseVer

URI:**http://<server ipaddr>/action/GetDatabaseVer**

e.g.,

<http://192.168.2.10/action/GetDatabaseVer>

回复 body

Reply to body

```
{
  "operator": "GetDatabaseVer",
  "info": {
    "DatabaseVersion": 1
  }
}
```

3.10.5 韦根门禁卡号和内置刷卡 ID 卡号

3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number

韦根门禁卡号主要是针对外接读卡器的机型，在带有刷卡模式下的比对通行都需要填入此卡号；外接读卡器的韦根输出都是用到这个韦根门禁卡号。在韦根协议选择为 8+16 或者 8+24 的模式下，WGFacilityCode 和 MjCardNo 字段一同构成韦根门禁卡号；韦根协议为 26 位或者 34 位的模式下，MjCardNo 字段单独构成韦根门禁卡号。

The number of Weigan access control card is mainly for the model with external card reader, which needs to be filled in for the comparison and access with card swiping mode;The Weigan output of the external card reader uses this Weigan access card number.In the mode of 8 + 16 or 8 + 24, wgfacility code and mjcardno fields together constitute the Weigan access card number;When the Wigan protocol is 26 bit or 34 bit,The mjcardno field constitutes the Wigan access card number alone.

内置刷卡机型的人脸识别一体机的刷卡比对通行用的是 RFIDCard (ID 卡号) 字段，内置刷卡机型如果想要韦根卡号输出，同样需要按照 [3.10 名单的添加、编辑修改](#) 规则填入对应的韦根门禁卡号；即 RFIDCard 字段是刷卡模式下的比对通行和韦根输出使用，而内置刷卡机型在刷脸通行的时候输出的是韦根门禁卡号，内置刷卡机型为了在刷脸和刷卡模式下输出的韦根卡号一致，需要按照相应的规则填入相同字段。

The RFID card (ID card number) field is commonly used in the face recognition all-in-one machine with built-in card reader. If the built-in card reader wants to output the weigencard number, it also needs to follow the [3.10 Add, edit and modify the list](#) Fill in the corresponding Weigan access card number according to the rules;In other words, the rfidcard field is used for comparison and Wigan output in card swiping mode, while the built-in swipe card model outputs the Weigan access control card number when swiping the face. In order to output the same weigencard number in the face swiping and swiping mode, the built-in swiping card model needs to fill in the same field according to the corresponding rules.

关于 [3.12.4 认证结果上报](#) 和 [3.19 名单搜索查询](#) 和 [3.22 控制记录查询](#) 中返回的韦根门禁卡号字段全部都是根据 [3.2 开门条件设置](#) 的 **Wiegand** 和 **CardMode** 参数对应返回。如果系统参数 **Wiegand** 为 4 or 5 or 6 or 7 的时候，返回的 **WGFacilityCode** 和 **MjCardNo** 字段一同构成韦根门禁卡号； **Wiegand** 为 0 or 1 的时候， **MjCardNo** 字段单独构成韦根门禁卡号； **CardMode** 卡号方式为 0 （十进制） 模式下， 返回的韦根门禁卡号为十进制， **CardMode** 卡号方式为 1 （十六进制） 模式下， 返回韦根门禁卡号为十六进制。 **RFIDCard** 字段的返回为字符串，添加/修改名单的时候会根据 **RFCardMode** 的值而存入对应十进制/十六进制的值。

about [3.12.4 Reporting of certification results](#) and [3.19 List Search Query](#) and [3.22 control record inquiry](#) All the fields of weigen access card number returned in are based on [3.2 setting of door opening conditions](#) The Wiegand

and cardmode parameters of the. If the system parameter Wiegand is 4 or 5 or 6 or 7, the returned wgfacility code and mjcardno fields together constitute the weigen access card number; When Wiegand is 0 or 1, the mjcardno field alone constitutes the weigen access card number; When the cardmode card number mode is 0 (decimal) mode, the returned Wiegand access control card number is decimal, and when the cardmode card number mode is 1 (hexadecimal) mode, return to Wigan. The access card number is hexadecimal. The return of rfidcard field is a string. When adding / modifying the list, the corresponding decimal / hexadecimal value will be saved according to the value of rfcardsmode.

3.10.6 名单批量添加或修改

3.10.6 Add or modify the list in batches

由于 [3.10.3 名单编辑修改](#) 接口必须要人员名单存在的情况下才可以进行名单编辑，因此引入此接口，根据 CustomizedID 或 PersonUUID 来对名单就行添加或修改，如果 CustomizedID 或 PersonUUID 已存在则是修改名单，如果不存在就是添加对应 CustomizedID 或 PersonUUID 的名单；此接口 CustomizedID 或 PersonUUID 只能二选一进行操作。此接口目前只支持通过 URI 的方式添加人员图片，单次下发最大人员个数为 500 个。本接口因为是添加和编辑合在一起的，所以涉及其他名单属性的需要全量下发，否者可能因为默认值的关系更改名单参数，例如如果第一次下发的是临时名单，那么第二次下发的时候临时名单的时间等参数也需要下发。返回码和出错码见附录部分 [C.10.6.1 名单批量添加或修改返回码](#) 和 [C.10.6.2 名单批量添加或修改错误码](#)

because [3.10.3 Edit and modify the list](#) The interface can edit the list only when the personnel list exists. Therefore, this interface is introduced to add or modify the list according to the customization ID or personuuid. If the customization ID or personuuid already exists, it is to modify the list; if it does not exist, it is to add the list corresponding to the customized ID or personuuid; This interface can only select one from two to operate. At present, this interface only supports adding personnel images by URI, and the maximum number of Personnel issued at a time is 500. Because this interface is a combination of adding and editing, it is necessary to distribute all the other list attributes. Otherwise, the list parameters may be changed because of the default value. For example, if a temporary list is issued for the first time, Then, the time and other parameters of the temporary list also need to be issued for the second time. See Appendix for return code and error code [C.10.6.1 add or modify return codes in batch for list](#) and [C.10.6.2 add or modify error codes in batch on the list](#)

Operator: **EditPersonsNew**

URI:**http://<server ipaddr>/action/EditPersonsNew**

e.g.,

http://192.168.2.10/action/EditPersonsNew

下发 body

Issue body

```
{  
    "operator": "EditPersonsNew",  
    "DeviceID":1300001,  
    "IdType": 0, //0: 添加 CustomizedID 2: 添加 PersonUUID  
    "Idtype": 0, // 0: add customizedid 2: add personuuid  
    "Total":2, //总的添加或修改人员个数  
    "Total": 2, // total number of added or modified personnel  
    "info": [  
        {"CustomizedID":123,  
         "PersonType": 0,  
         "Name":"test1",  
         "Gender":0,  
         "Nation":1,  
         "CardType":0,  
         "IdCard":"430923199011044411",  
         "Birthday":"1999-11-04",  
  
         "Telnum":"199999999999",  
         "Native":"火星",  
         "Native": Mars,  
         "Address":"深圳宝安",  
         "Address": Shenzhen Bao'an,  
         "Notes":"备注",  
         "Notes": "notes",  
         "MjCardFrom": 2,  
         "WiegandType":1,  
         "CardMode":0,  
    ]  
}
```

```
"MjCardNo": 1046239,  
"Tempvalid": 0,  
"ValidBegin":"2018-03-12T09:09:20",  
  
"ValidEnd":"2018-03-12T09:09:20",  
"picURI":"lebopark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bb1e-c703-  
48b1-a79f-a9c2efe2a703.jpg"  
,  
{  
    "CustomizeID":456,  
    "PersonType": 0,  
    "Name":"test2",  
    "Gender":0,  
    "Nation":1,  
    "CardType":0,  
    "IdCard":"430923199011044412",  
    "Birthday":"1999-11-05",  
    "Telnum":"18888888888",  
    "Native":"福建",  
    "Native": Fujian,  
    "Address":"宁德市",  
    "Address": Ningde City,  
    "Notes":"备注",  
    "Notes": "notes",  
    "MjCardFrom": 2,  
    "WiegandType":1,  
    "CardMode":0,  
    "MjCardNo": 1046240,  
    "Tempvalid": 0,  
    "ValidBegin":"2018-03-12T09:09:20",  
  
    "ValidEnd":"2018-03-12T09:09:20",
```

```
        "picURI":"lebopark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bb1e-c703-  
48b1-a79f-a9c2efe2a703.jpg"  
    }]  
}  
Or  
{  
    "operator": "EditPersonsNew",  
    "DeviceID":1300001,  
    "IdType": 2, //0: 添加 CustomizedID 2: 添加 PersonUUID  
    "Idtype": 2, / / 0: add customization ID 2: add personuuid  
    "Total":2, //总的添加或修改人员个数  
    "Total": 2, / / total number of added or modified personnel  
    "info": [  
        "PersonUUID":"ac15qnqerasssszcfda111",  
        "PersonType": 0,  
        "Name":"test1",  
        "Gender":0,  
        "Nation":1,  
        "CardType":0,  
        "IdCard":"430923199011044411",  
        "Birthday":"1999-11-04",  
  
        "Telnum":"199999999999",  
        "Native":"火星",  
        "Native": Mars,  
        "Address":"深圳宝安",  
        "Address": Shenzhen Bao'an,  
        "Notes":"备注",  
        "Notes": "notes",  
        "MjCardFrom": 2,  
        "WiegandType":1,  
        "CardMode":0,
```

```
"MjCardNo": 1046239,  
"Tempvalid": 0,  
"ValidBegin": "2018-03-12T09:09:20",  
  
"ValidEnd": "2018-03-12T09:09:20",  
"picURI": "lebopark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bb1e-c703-  
48b1-a79f-a9c2efe2a703.jpg"  
,  
{  
    "PersonUUID": "ac15qnqerassszcfda112",  
    "PersonType": 0,  
    "Name": "test2",  
    "Gender": 0,  
    "Nation": 1,  
    "CardType": 0,  
    "IdCard": "430923199011044412",  
    "Birthday": "1999-11-05",  
  
    "Telnum": "18888888888",  
    "Native": "福建",  
    "Native": Fujian,  
    "Address": "宁德市",  
    "Address": Ningde City,  
    "Notes": "备注",  
    "Notes": "notes",  
    "MjCardFrom": 2,  
    "WiegandType": 1,  
    "CardMode": 0,  
    "MjCardNo": 1046240,  
    "Tempvalid": 0,  
    "ValidBegin": "2018-03-12T09:09:20",  
  
    "ValidEnd": "2018-03-12T09:09:20",
```

```
        "picURI":"lebopark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bb1e-c703-  
48b1-a79f-a9c2efe2a703.jpg"  
    }]  
}
```

3.11 名单删除

3.11 List deletion

删除人员名单接口同时会删除对应人员名单的控制记录(认证记录)且不可恢复，谨慎操作；如果是调用删除所有人员名单成功,人脸识别一体机会自动重启。

The delete personnel list interface will delete the control record (authentication record) of the corresponding personnel list at the same time, and cannot be restored, so operate with caution;If it is a successful call to delete all personnel lists, the face recognition integration opportunity will automatically restart.

3.11.1 单个或多个名单删除

3.11.1 Delete single or multiple lists

名单的删除提供 LibID 或 customID 删除方式，LibID 或 customID 不能为 0

The list can be deleted by libid or customid. Libid or customid cannot be 0

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
-----	------	--------	-------------

operator	char	DeletePerson or DeleteAllPerson	DeletePerson:删除名单库里的人员信息 Delete person: delete the personnel information in the list database DeleteAllPerson:删除所有人员名单信息 Delete allperson: delete all personnel list information
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号,可通过 3.9 设备信息获取 获取到。 The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
TotalNum	int	1~256	此次操作需要删除多少个人员信息 How many personnel information need to be deleted in this operation
IdType	int	0~2	0:用户自定义的 CustomizedID, 1:设备数据库 LibID,2: PersonUUID 0: user defined customization ID, 1:

			device database libid, 2: personuuid
LibID	json array (optional)		<p>单个或多个 LibID 的集合,LibID 为 unsigned int 类型, 格式是 LibID 的 Json 数组</p> <p>A collection of single or multiple libids of type unsigned int in the format of JSON array of libids</p> <p style="color: red;">IdType=1 时必填 Required when idtype = 1</p>
CustomizeID	json array (optional)		<p>单个或多个 CustomizeID 的集合, CustomizeID 为 int 类型, 格式是 CustomizeID 的 Json 数组</p> <p>A collection of single or multiple customizeids of type int in the form of a JSON array of customizeids</p> <p style="color: red;">IdType=0 时必填 Required when idtype = 0</p>
PersonUUID	json array (optional)		单个或多个 UUID 的集合, UUID 为不超过 48 字节的 char 型字符串, 格式是 UUID 的 Json 数组

			A collection of single or multiple UUIDs. UUID is a char type string of no more than 48 bytes in the format of JSON array of UUIDs IdType=2 时必填 Required when idtype = 2
DeleteAllPersonCheck	json array	1	operator 为 DeleteAllPerson 时必填 Required when operator is deleteallperson

Operator: **DeletePerson**

URI:**http://<server ipaddr>/action/DeletePerson**

e.g.,

<http://192.168.2.10/action/DeletePerson>

下发 body

Issue body

```
{
  "operator": "DeletePerson",
  "info": {
    "DeviceID": 1300001,
```

```
"TotalNum": N,  
"IdType": 0,  
"CustomizeID": [1, 2, 3, .....]  
}  
}  
Or  
{  
    "operator": "DeletePerson",  
    "info": {  
        "DeviceID": 1300001,  
        "TotalNum": N,  
        "IdType": 1,  
        "LibID": [1, 2, 3, .....]  
    }  
}  
Or  
{  
    "operator": "DeletePerson",  
    "info": {  
        "DeviceID": 1300001,  
        "TotalNum": N,  
        "IdType": 2,  
        "PersonUUID": ["4476c20c-23ce-4178-8672-b292d33a3cd8",.....]  
    }  
}
```

3.11.2 所有人员名单删除

3.11.2 Delete all personnel lists

所有人员名单删除接口同时会删除所有人员名单的控制记录(认证记录)且不可恢复，谨慎操作；调用删除所有人员名单成功,人脸识别一体机会自动重启。

The interface for deleting all personnel lists will delete the control records (authentication records) of all personnel lists at the same time and cannot be restored. Therefore, it should be operated with caution; Call to delete all personnel list successfully, face recognition integration opportunity will restart automatically.

Operator: **DeleteAllPerson**

URI: **http://<server ipaddr>/action/DeleteAllPerson**

e.g.,

`http://192.168.2.10/action/DeleteAllPerson`

下发 body

Issue body

```
{  
    "operator": "DeleteAllPerson",  
    "info":  
    {  
        "DeleteAllPersonCheck": 1  
    }  
}
```

3.12 数据订阅

3.12 Data Subscription

数据订阅的类型包括：认证结果信息的订阅、陌生人抓拍订阅等。[开启断点续传功能](#)，则推送的陌生人抓拍信息和认证信息[需要服务器返回](#)，数据包抓包见[C.12.4.1 采用断网续传服务器回复数据包](#)。

The types of data subscription include: authentication result information subscription, stranger snapshot subscription and so on. If the breakpoint continuous transmission function is enabled, the server needs to return the pushed stranger snapshot information and authentication information. See [C.12.4.1 reply to the data packet by using the disconnected continuous transmission server](#)

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	Subscribe	消息订阅 Message subscription
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号, 可通过 3.9 设备信息获取 获取到。 The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
Num	int	1~4	订阅多少个类型信息 How many types of information to subscribe to
Topics	json array	"Snap", "Verify",	单个或多个订阅消息类型的集合(不超过 128 字节), 如:

	<p>"VerifyWithSnap", "VerifyWithReg", "VerifyNoPic", "QRCode", "Card", "PassWord", "IDCard"</p>	<p>A collection of single or multiple subscription message types (up to 128 bytes), such as: ["Snap"] : 订阅实时抓拍上报 ["snap": subscribe to real-time snapshot reporting 或 or ["Verify"] : 订阅认证结果上报(带抓拍+注册图片) ["verify": subscribe to the report of authentication results (with snapshot + registration image) 或 or ["VerifyWithSnap"] : 订阅认证结果上报(只带抓拍图片) ["verifywithsnap"]: subscribe to the report of authentication results (only with captured pictures) 或 or ["VerifyWithReg"] : 订阅认证结果上报(只带注册图片) ["verifywithreg": subscribe to the report of authentication results (only with registration images) 或 or ["VerifyNoPic"] : 订阅认证结果上报(不带图片) ["verifynopic"): subscribe to the report of authentication results (without pictures) 或 or ["QRCode"] : 订阅二维码上报 ["QRcode": subscribe to QR code report</p>
--	---	---

			<p>或 or</p> <p>["Snap", "Verify"] 订阅抓拍和认证结果上报 ["snap", "verify"] subscription snapshot and authentication result reporting</p> <p>或 or</p> <p>["Card "] 订阅门禁机 IC 卡认证结果上报 (12 寸门禁机型有效) ["card"] subscription access control IC card certification results report (12 inch access control model is valid)</p> <p>或 or</p> <p>["PassWord "] 订阅门禁机密码认证结果上报 (12 寸门禁机型有效) ["password"] subscription access control password authentication results report (12 inch access control model is valid)</p> <p>["IDCard"] 订阅身份证信息上报 ["IDcard"] subscription ID card information reporting</p>
SubscribeAd dr	char	http://< Subscribe server ip>:port	订阅地址, 包括 ip 和端口, e.g., http://192.168.2.11:8080 Subscription address, including IP and port, e.g., http://192.168.2.11:8080
SubscribeUrl	json object		单个或多个上报的 URL 的集合, 包括抓拍、认证结果、心跳、二维码、IC 卡号认证结果 (门禁机) 、密码认证结果 (门禁机) 、身份证信息。 A collection of single or multiple reported URLs, including snapshot,

			<p>authentication result, heartbeat, QR code, IC card number</p> <p>authentication result (access control), password authentication result (access control), and ID card information.</p> <p>e.g.,</p> <pre>{"Snap":"/Subscribe/Snap", "Verify":"/Subscribe/Verify", "HeartBeat":"/Subscribe/heartbeat", "Card":"/Subscribe/Card", "QRCode":"/Subscribe/QRCode", "PassWord":"/Subscribe/ PassWord", ", "IDCard":"/Subscribe/IDCard"}</pre>
BeatInterval	int(optional)		<p>心跳间隔, 单位秒, 如未设置, 默认 30 秒</p> <p>Heartbeat interval, unit second, if not set, the default is 30 seconds</p>
bTimedPush	int(optional)	0~1	<p>抓拍, 认证, 二维码等采用定时推送至服务器, 默认不打开。</p> <p>Snapshot, authentication, QR code, etc. are pushed to the server regularly, and are not opened by default.</p> <p>0:不打开定时推送 0: do not turn on timed push 1:打开定时推送 1: Turn on timed push</p>
PushInterval	int(optional)		当 bTimedPush=1 时必填, 定时推送间隔

			When btimedpush = 1, it is required to set the push interval
Auth	char (optional)	"none" or "Basic"	<p>Post 提交上报信息时是否要进行认证 Do post submit the submitted information for authentication</p> <p>None : 不需要认证处理 None: no authentication processing is required</p> <p>Basic : post 基本认证 Basic: Post basic authentication</p>
User	char (optional)		<p>用户名, 最大长度 64 个字符长度 (含结束符) User name, maximum length 64 characters (including terminator)</p> <p>Auth=Basic 时必填 Auth = basic is required</p>
Pwd	char (optional)		<p>密码, 最大长度 64 个字符长度 (含结束符) Password, maximum length 64 characters (including terminator)</p> <p>Auth=Basic 时必填 Auth = basic is required</p>
Resumefrom Breakpoint	int	0~1	<p>是否开启 断点续传 (开启陌生人抓拍订阅或者认证订阅模式下), 0:不开启 1:开启。不开启断点续传功能, 只保证推送数据, 不需要服务器返回。开启功能, 则推送的陌生人抓拍信息和认证信息需要服务器返回以下 json 数据包:</p>

			<p>Whether to enable breakpoint continuation (in the mode of stranger snapshot subscription or authentication subscription), 0: not enabled, 1: enabled. Do not open the breakpoint resume function, only ensure the push data, do not need the server to return. If the function is enabled, the server needs to return the following JSON packets for the pushed stranger snapshot information and authentication information:</p> <pre>{ "code": 200, "desc": "OK", }</pre> <p>10 秒后一体机未接收到服务器正确数据包，则继续推送这条信息。 After 10 seconds, if the all-in-one machine does not receive the correct data packet from the server, it will continue to push this message.</p>
BeginTime	char (optional)	YYYY-MM-DDThh:mm:ss	断点续传默认起始时间,可以不填写。默认为设置陌生人抓拍订阅或认证订阅以及开启断点续传功能的时间。当断点之前的陌生人抓拍和认证抓拍信息推送完成的情况下，

			<p>此时间会变为完成断点续传推送的时间。e.g., 2018-03-12T09:10:00</p> <p>The default start time of breakpoint continuation can be left blank.The default is to set the time for stranger snapshot subscription, authentication subscription and breakpoint continuation function.When the stranger snapshot and authentication snapshot information push before the breakpoint is completed, this time will become the time to complete the breakpoint continuous transmission and push.e.g., 2018-03-12T09:10:00</p>
--	--	--	--

3.12.1 推送的信息不需认证

3.12.1 The pushed information does not need authentication

Operator: **Subscribe**

URI:**http://<server ipaddr>/action/Subscribe**

e.g.,

<http://192.168.2.10/action/Subscribe>

下发 body

Issue body

```
{  
    "operator": "Subscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "Verify"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
        "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify"},  
        "HeartBeat": "/Subscribe/heartbeat"},  
        "BeatInterval": 30,  
        "ResumefromBreakpoint": 0,  
        "Auth": "none"  
    }  
}  
Or  
{  
    "operator": "Subscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "VerifyWithReg"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
  
        "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify"},  
        "HeartBeat": "/Subscribe/heartbeat"},  
        "ResumefromBreakpoint": 1,  
        "Auth": "none"  
    }  
}
```

```

    }
}

Or

{

    "operator": "Subscribe",
    "info": {
        "DeviceID": 1300001,
        "Num": 1,
        "Topics": ["QRCode"],
        "SubscribeAddr": "http://192.168.2.11:8080",
        "SubscribeUrl": {"QRCode": "/Subscribe/QRCode",
        "HeartBeat": "/Subscribe/heartbeat"},
        "ResumefromBreakpoint": 0,
        "Auth": "none"
    }
}

Or

{

    "operator": "Subscribe",
    "info": {
        "DeviceID": 1300001,
        "Num": 1,
        "Topics": ["PassWord"],
        "SubscribeAddr": "http://192.168.2.11:8080",
        "SubscribeUrl": {"PassWord": "/Subscribe/PassWord",
        "HeartBeat": "/Subscribe/heartbeat"},
        "ResumefromBreakpoint": 0,
        "Auth": "none"
    }
}

```

```
    }
}

Or

{
    "operator": "Subscribe",
    "info": {
        "DeviceID": 1300001,
        "Num": 1,
        "Topics": ["Card"],
        "SubscribeAddr": "http://192.168.2.11:8080",
        "SubscribeUrl": {"Card": "/Subscribe/Card",
        "HeartBeat": "/Subscribe/heartbeat"},
        "ResumefromBreakpoint": 0,
        "Auth": "none"
    }
}

...
}
```

3.12.2 订阅时提供用户名密码, 上交需要进行认证

3.12.2 The user name and password shall be provided when subscribing, and authentication shall be required when submitting.

Operator: **Subscribe**

URI:**http://<server ipaddr>/action/Subscribe**

e.g.,

<http://192.168.2.10/action/Subscribe>

下发 body

Issue body

```
{  
    "operator": "Subscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "Verify"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
  
        "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify"},  
        "HeartBeat": "/Subscribe/heartbeat"},  
        "ResumefromBreakpoint": 1,  
        "Auth": "Basic",  
        "User": "admin",  
        "Pwd": "amdin"  
    }  
}
```

Or

```
{  
    "operator": "Subscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "VerifyWithReg"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
    }  
}
```

```

    "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify",
    "HeartBeat": "/Subscribe/heartbeat"},

        "ResumefromBreakpoint": 1,
        "Auth": "Basic",
        "User": "admin",
        "Pwd": "amdin"

    }

}

Or

{

    "operator": "Subscribe",

    "info": {

        "DeviceID": 1300001,
        "Num": 1,
        "Topics": ["QRCode"],
        "SubscribeAddr": "http://192.168.2.11:8080",

        "SubscribeUrl": {"QRCode": "/Subscribe/QRCode",
        "HeartBeat": "/Subscribe/heartbeat"},

            "ResumefromBreakpoint": 0,


            "Auth": "Basic",
            "User": "admin",
            "Pwd": "amdin"

        }

    }

}

Or

{

    "operator": "Subscribe",

    "info": {

        "DeviceID": 1300001,
        "Num": 1,
        "Topics": ["PassWord"],

    }
}

```

```
"SubscribeAddr":"http://192.168.2.11:8080",  
  
    "SubscribeUrl":{"PassWord":"/Subscribe/PassWord",  
    "HeartBeat":"/Subscribe/heartbeat"},  
        "ResumefromBreakpoint":0,  
        "Auth":"Basic",  
        "User": "admin",  
        "Pwd": "amdin"  
  
    }  
}  
Or  
{  
    "operator": "Subscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 1,  
        "Topics":["Card"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
  
        "SubscribeUrl":{"Card":"/Subscribe/Card",  
        "HeartBeat":"/Subscribe/heartbeat"},  
  
            "ResumefromBreakpoint":0,  
            "Auth":"Basic",  
            "User": "admin",  
            "Pwd": "amdin"  
  
        }  
}  
...  
}
```

3.12.3 陌生人抓拍上报

3.12.3 The stranger snapped the report.

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	SnapPush	陌生人抓拍推送 Strangers snap and push
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
CreateTime	char	YYYY-MM-DDThh:mm:ss	陌生人抓拍记录时间。e.g., 2018-03-25T21:50:05 Strangers snap and record the time. e.g., 2018-03-25T21:50:05
PictureType	unsigned int	0~4	抓拍人脸图片类型 Capturing face picture types 0: 比对失败 0: matching failed 1: 比对成功黑名单 1: blacklist of successful matching 2: 比对成功白名单 2: white list of successful comparison 3: 身份证+人脸比对失败 3: ID card+face comparison failed

			4: 身份证+人脸比对成功 4: ID card+face comparison is successful
Temperature	double	37.20	实时检测人脸温度，当开门方式中带有温度检测模式下才返回检测温度（ 温度检测机器版本支持 ） Detect the face temperature in real time, and return to the detection temperature when the door opening mode includes the temperature detection mode (supported by the temperature detection machine version)
Temperature Alarm	int	0~1	实时检测人脸温度是否超过阈值,0: 没超过; 1: 超过（ 温度检测机器版本支持 ） Real-time detection of whether the face temperature exceeds the threshold, 0: it does not exceed; 1: Exceeded (supported by temperature detection machine version)
SnapChannel	int	0~最大通道号 0~ maximum channel number	人员抓拍的通道号（人脸多路服务器使用） Channel number captured by personnel (used by face multiplex server)

Sendintime	int	0~1	是否及时推送信息,0:未及时推送 (推送时间大于抓拍时间 10 秒) 1:及时推送 Whether to push the information in time, 0: Not pushed in time (the push time is 10 seconds longer than the capture time) 1: Push in time
Direction	int (optional)	0~2	出入口方向 Entrance and exit direction 0: 单向 0: unidirectional 1: 入口 1: entrance 2: 出口 2. Exit
SanpPic	char		陌生人抓拍的人脸图片的 base64 编码数据 Base64 encoded data of face pictures captured by strangers

e.g., Raw:

```
-- HEADERS --
POST /Subscribe/Snap HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 77181
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:192.168.2.10
Connection: Keep-Alive
```

```
-- BODY --
{
  "operator": "SnapPush",
  "info": {
    "DeviceID":1300001,
    "CreateTime":"2018-03-12T09:09:20",
    "PictureType":0,
    "Sendintime":1
  },
  "SanpPic": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEB……"
}
```

3.12.4 认证结果上报

3.12.4 Reporting of certification results

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	VerifyPush	认证结果推送 Authentication result push
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
PersonID	int		设备存储的人员 ID 号，在 CustomizelD 和 PersonUUID 无效的情况下可通过此 ID 对该人员名单信息修改

			The personnel ID number stored in the equipment can be used to modify the personnel list information if the CustomizedID and PersonUUID are invalid.
CreateTime	char	YYYY-MM-DDThh:mm:ss	控制记录时间。 e.g., 2018-03-25T21:50:05 Control the recording time. e.g., 2018-03-25T21:50:05
Similarity1	float	0.0~100.0	黑白名单比对相似度 Similarity of black and white list comparison
Similarity2	float	0.0~100.0	身份证比对相似度 Similarity of ID card comparison
VerifyStatus	int	0~3 或 22、24 0~3 or 22, 24	认证结果 Certification results 0: 无 0: none 1: 允许 1: Allow 2: 拒绝 2: Refuse 3: 还没有注册 3: Not yet registered 22:待核验(开门方式为 3:人脸核验+远程开门方式的控制记录)

			22: to be verified (control record of door opening mode: 3: face verification + remote door opening mode) 24:无权限 (特殊版本非通行时间段的控制记录) 24: no permission (special version of control record of non passage time)
VerfyType	int	<p>1 : 普通 中性 机器:1~3 or 21~22 or 24~25 or 27; 1: General neutral machine: 1 ~ 3 or 21 ~ 22 or 24 ~ 25 or 27;</p> <p>2: 特殊机器: 2: Special machines:</p> <p>支持口罩检测 或 (0)操作 0x100 表示带有口罩检测通行; Support mask detection or (0) operation, and 0x100 indicates passing with mask detection;</p> <p>支持体温检测 或 (0)操作 0x200 表示带有体温检测通行; It supports temperature detection or (0) operation, and 0x200 indicates that it has</p>	验证类型。 Validation type. 1: 白名单验证 1: white list verification 2: 身份证验证 2. ID card verification 3: 白名单 + 身份证验证 3: White list + ID card verification 21:RF 卡验证(内置刷卡机型) 21:RF card verification (built-in card swiping model) 22:RF 卡验证 + 白名单验证(内置刷卡机型) 22: RF card verification + whitelist verification (built-in swipe card model) 24:韦根卡验证 24: Wegeneka verification 25:韦根卡 + 白名单验证 25: wegenka + whitelist verification 27:HTTP 远程开门 27: http remote door opening

	<p>temperature detection; 支持口罩+体温检测或()操作 0x300 表示带有口罩+体温检测通行； Support mask + body temperature detection or () operation. 0x300 indicates that the mask + body temperature detection is available;</p> <p>例如: For example:</p> <p>口 罩 通 行 (0x100) Mask access (0x100)</p> <p>口罩+白名单验证 (0x101) Mask + whitelist verification (0x101)</p> <p>体 温 通 行 (0x200) Temperature pass (0x200)</p> <p>体温+白名单验证 (0x201) Body temperature + whitelist verification (0x201)</p> <p>口 罩+体 温 (0x300) Mask + body temperature (0x300)</p> <p>口罩+体温+韦根</p>	
--	---	--

		刷卡+白名单验证 (0x319) Mask + body temperature + Wigan swipe card + white list verification (0x319)	
PersonType	int	0~1	名单类型 List type 0: 白名单 0: white list 1: 黑名单 1: Blacklist
Name	char		姓名(最大长度 32 字节) Name (maximum length 32 bytes)
Gender	int	0~2	性别 Gender 0: 男 0: male 1: 女 1: female 2: 其它 2. Others
Nation	int	1~57	民族 nation 1: "汉" 1: "Han" 详见 附录 D.1 民族 See Appendix D.1 Nationalities
CardType	int		证件类型

			Document type 0:身份证 0: ID card
IdCard	char		证件号, 最大长度为 32 个字符长度 (含结束符) ID number, the maximum length is 32 characters (including ending character)
Birthday	char	YYYY-MM-DD	生日, e.g., 2018-1-1 Birthday, e.g., January 1, 2018
Telnum	char		电话号码, 最大长度为 32 个字符长度 (含结束符) Telephone number, with a maximum length of 32 characters (including terminator)
Native	char		籍贯, 最大长度为 32 个字符长度 (含结束符) Native place, the maximum length is 32 characters (including terminator)
Address	char		地址, 最大长度为 72 个字符长度 (含结束符) Address, the maximum length is 72 characters (including terminator)
Notes	char		备注, 最大长度为 64 个字符长度 (含结束符)

			Note, the maximum length is 64 characters (including terminator)
MjCardFrom	int	0~3	<p>韦根卡号生成方式 Generation method of Wigan card number</p> <p>0: 公用卡号 0: public card number</p> <p>1: 自动生成 1: automatically generated</p> <p>2: 手动输入 2: Manual input</p> <p>3: 不使用门禁卡号 3: Do not use the access control card number</p>
WGFacilityCode	int (optional)		<p>设备代码(Facility code);当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 MjCardNo 字段一起组成韦根卡号; 当 Wiegand=0 or 1 时, 此参数无实际意义。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Equipment code (Facility code); when 3.2 door opening conditions Wiegand=4 or 5 or 6 or 7 in, together with MjCardNo field, constitutes Wigan card number; When Wiegand=0 or 1, this parameter has no practical significance. See 3.10.5 Wigan</p>

			Access Control Card Number and Built-in Card ID Card Number
MjCardNo	unsigned int		<p>韦根门禁卡号 (userid)。当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 WGFacilityCode 字段一起组成韦根卡号；当 Wiegand=0 or 1 时，单独构成韦根卡号。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Wigan access card number (userid). when 3.2 door opening conditions When Wiegand=4 or 5 or 6 or 7 in, it forms Wigan card number together with WGFacilityCode field; When Wiegand=0 or 1, it constitutes the Wigan card number alone.</p> <p>See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
RFIDCard	Char (optional)		<p>Id 卡卡号，最大长度为 18 个字符长度,针对内置刷卡机型 (含结束符) 详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Id card number, the maximum length is 18 characters. For the built-in card swiping model (including terminator), please refer to 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>

			Control Card Number and Built-in Card ID Card Number
Tempvalid	int	0~1	<p>是否是临时名单 Is it a provisional list</p> <p>0: 永久生效名单 0: permanent effective list</p> <p>1: 临时名单 1: Provisional list</p> <p>2: 临时名单 2 2: Provisional List 2</p> <p>3: 临时名单 3 3: Provisional List 3</p>
CustomizeID	unsigned int		<p>用户自定义的人员 ID 号, 可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 ID 添加人员, 否则会导致修改删除等操作出错</p> <p>User-defined personnel ID number, which can be used to modify, delete and manage the corresponding personnel information. Note: You can't use the same ID repeatedly to add people, otherwise it will cause errors in modification and deletion.</p>
PersonUUID	char		用户自定义的人员 UUID 号(不超过 48 字节), 可以通过此 ID 号进行修改删除等管理对应的

			<p>人员信息。注意: 不可以重复使用相同的 UUID 添加人员, 否则会导致修改删除等操作出错</p> <p>User-defined UUID number of personnel (no more than 48 bytes), which can be used to modify and delete the corresponding personnel information. Note: You can't use the same UUID repeatedly to add personnel, otherwise it will cause errors in modification and deletion.</p>
ValidBegin	char	YYYY-MM-DDThh:mm:ss	<p>如果是临时名单, 临时名单生效的开始时间, e.g., 2018-03-12T09:09:20</p> <p>If it is a provisional list, the starting time when the provisional list takes effect, e.g., 2018-03-12T09:09:20</p>
ValidEnd	char	YYYY-MM-DDThh:mm:ss	<p>如果是临时名单, 临时名单生效的结束时间, e.g., 2018-03-12T09:10:00</p> <p>If it is a provisional list, the end time when the provisional list takes effect, e.g., 2018-03-12T09:10:00</p>
AccessChannel	int	0~最大通道号	人员进入的通道号 (人脸多路服务器使用)

		0~ maximum channel number	Channel number of personnel entry (used by face multiplex server)
Temperatur e	double	37.20	<p>实时检测人脸温度，当开门模式下带有温度检测模式才返回检测温度（温度检测机器版本支持）</p> <p>Detect the face temperature in real time, and return to the detection temperature when the door opening mode is equipped with temperature detection mode (supported by the temperature detection machine version)</p>
Temperatur eAlarm	int	0~1	<p>实时检测人脸温度是否超过阈值,0: 没超过; 1: 超过（温度检测机器版本支持）</p> <p>Real-time detection of whether the face temperature exceeds the threshold, 0: it does not exceed; 1: Exceeded (supported by temperature detection machine version)</p>
Sendintime	int	0~1	<p>是否及时推送信息,0:未及时推送（推送时间大于认证时间 10 秒） 1:及时推送</p> <p>Whether to push information in time, 0: Not pushed in time (push time is 10 seconds</p>

			longer than authentication time) 1: Push in time
Direction	int (optional)	0~2	出入口方向 Entrance and exit direction 0: 单向 0: unidirectional 1: 入口 1: entrance 2: 出口 2. Exit
SanpPic	char		实时抓拍的人脸图片的 base64 编码数据 Base64 encoded data of face pictures captured in real time
RegisteredPic	char		匹配名单库里注册的人脸图片的 base64 编码数据 Match base64 encoded data of face pictures registered in the list database
PushType	int	0~2	推送类型 Push type 0: 预留 0: reservation 1: 预留 1: reservation 2: 调用 3.32 手动推送控制记录 的数据返回 2: call 3.32 Manual Push Control Record Data return of

nQRCodeType	int (optional)	0~3	0:无(未校验), 1:黄码 2:红码 3:绿码 (仅国康码版本在线模式支持) 0: none (not checked), 1: Yellow code 2: red code 3: Green code (only supported by online mode of Guokang code version)
guoKangCodeName	String (optional)	黃** Yellow**	国康码脱敏姓名(仅国康码版本 在线模式支持) National Health Code desensitization name (only supported by online mode of Guokang code version)
guoKangCodeIDCard	String (optional)	*****3 734	国康码脱敏身份证号(仅国康码 版本在线模式支持) National Health Code desensitization ID card number (only supported by online mode of Guokang code version)
guoKangCodeAddr	String (optional)	广东省深圳市，广东省东莞市 Shenzhen City, Guangdong Province, Dongguan City,	(14 天行程) (仅国康码版本在 线模式支持) (14 day trip) (only supported by online mode of Guokang code version)

		Guangdong Province	
guoKangCodeDate	String (optional)	yyy-MM-dd HH:mm:ss	(14 天行程绑定时间 yyyy-MM-dd HH:mm:ss)(仅国康码版本在线模式支持) (14 day trip binding time yyyy MM DD HH: mm: SS) (only supported by online mode of Guokang code version)

e.g., Raw:

```
-- HEADERS --
POST /Subscribe/Verify HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 155265
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:192.168.2.10
Connection: Keep-Alive

-- BODY --
{
  "operator": "VerifyPush",
  "info": {
    "DeviceID":1300001,
    "PersonID":1300001,
    "CreateTime":"2018-03-12T09:09:20",
    "Similarity1": 90,
    "Similarity2": 90,
    "VerifyStatus":0,
```

```
"VerfyType":0,  
"PersonType": 0,  
"Name":"hahaha",  
"Gender":0,  
"Nation":1,  
"CardType":0,  
"IdCard":"430923199011044411",  
"Birthday":"1999-11-04",  
  
"Telnum":"199999999999",  
"Native":"火星",  
"Native": Mars,  
"Address":"深圳宝安",  
"Address": Shenzhen Bao'an,  
"Notes":"备注",  
"Notes": "notes",  
"MjCardFrom": 2,  
"WGFacilityCode": 9A,  
"MjCardNo": 1923B,  
"RFIDCard": "9A01923B",  
"Tempvalid": 0,  
"CustomizeID": 123456,  
"PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd8",  
"ValidBegin":"2018-03-12T09:09:20",  
  
"ValidEnd":"2018-03-12T09:09:20",  
"Sendintime":0  
},  
"SanpPic": "data:image/jpeg;base64,.....",  
"RegisteredPic": "data:image/jpeg;base64,....."  
}  
or  
{
```

```
"operator": "VerifyPush",
"info": {
    "DeviceID":1300001,
    "PersonID":1300001,
    "CreateTime":"2018-03-12T09:09:20",
    "Similarity1": 90,
    "Similarity2": 90,
    "VerifyStatus":0,
    "VerfyType":0,
    "PersonType": 0,
    "Name":"hahaha",
    "Gender":0,
    "Nation":1,
    "CardType":0,
    "IdCard":"430923199011044411",
    "Birthday":"1999-11-04",
    "Telnum":"19999999999",
    "Native":"火星",
    "Native": Mars,
    "Address":"深圳宝安",
    "Address": Shenzhen Bao'an,
    "Notes":"备注",
    "Notes": "notes",
    "MjCardFrom": 2,
    "WGFacilityCode": 9A,
    "MjCardNo": 1923B,
    "RFIDCard": "9A01923B",
    "Tempvalid": 0,
    "CustomizeID": 123456,
    "PersonUUID": "4476c20c-23ce-4178-8672-b292d33a3cd8",
    "ValidBegin":"2018-03-12T09:09:20",
```

```

        "ValidEnd": "2018-03-12T09:09:20",
        "Sendintime": 1

    },
    "RegisteredPic": "data:image/jpeg;base64,....."
}

Or
...

```

3.12.5 二维码上报

3.12.5 QR code reporting

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	QRCodePush	二维码推送 QR code push
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
QRcodeInfo	char		二维码内容 QR code content

e.g., Raw:

```
{
    "operator": "QRCodePush",
```

```

"info": {
    "DeviceID":1300001,
    "QRcodeInfo":"...."
}
}

```

3.12.6 身份证信息上报

3.12.6 Reporting of ID card information

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	IDCardInfoPush	身份证信息推送 ID card information push
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
IDCard_Idno	char		身份证号码 ID card No.
IDCard_Name			姓名 full name
IDCard_Gender	int		性别 Gender
IDCard_Nation	int		民族:和人员信息中的一样 Nationality: the same as in personnel information
IDCard_Birthday	char		生日:年-月-日 Birthday: mm / DD / yyyy

IDCard_Address	char		地址 address
IDCard_Idissue			发证机关 Issuing authority
IDCard_Idperiod			有效期:年月日 - 年月日 Period of validity: mm / DD / yyyy - mm / DD / yyyy
IDCard_photo			身份证照片 Photo of ID card

e.g., Raw:

```
{
  "operator": "IDCardInfoPush",
  "info": {
    "DeviceID": 1300001,
    "IDCard_Idno": "1234567890",
    "IDCard_Name": "张三",
    "IDCard_Name ":" Zhang San ",
    "IDCard_Gender": 1,
    "IDCard_Nation": 1,
    "IDCard_Birthday": "2016-05-06",
    "IDCard_Address": "xxxxx",
    "IDCard_Idissue": "xxxxxx",
    "IDCard_Idperiod": "20190203-20190304"
  },
  "IDCard_photo": "data:image/jpeg;base64,....."
}
```

3.12.7 IC 卡号认证结果上报(门禁机)

3.12.7 Report the certification result of IC card number (access control machine)

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	CardVerify	IC 卡号认证结果推送 IC card number authentication result push
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
CreateTime	char		认证通过时间 Certification passing time
CardNo	char		IC 卡卡号(不超过 24 字节) IC card number (no more than 24 bytes)
HasPic	int	0~1	是否有人脸图片， 0:无人脸图 片， 1:有人脸图片 Whether there is a face picture, 0: no face picture, 1: face picture
SanpPic	char		抓拍图片的 base64 编码 Base64 encoding of captured images

e.g., Raw:

```
{
  "operator": "CardVerify",
  "info": {
    "DeviceID":1300001,
    "CreateTime ":"2018-01-01T00:00:00",
    "CardNo ":".....",
    "HasPic ":1,
    "SanpPic": "data:image/jpeg;base64,....."
  }
}
```

3.12.8 密码认证结果上报(门禁机)

3.12.8 Report the result of password authentication (access control machine)

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	PwdVerify	密码方式认证结果推送 Push password authentication results
info	json object		具体内容 concrete content
DeviceID	int		设备的设备 ID 号 Equipment ID number of the equipment
CreateTime	char		认证通过时间 Certification passing time
HasPic	int	0~1	是否有人脸图片，0:无人脸图片，1:有人脸图片

			Whether there is a face picture, 0: no face picture, 1: face picture
SanpPic	char		抓拍图片的 base64 编码 Base64 encoding of captured images

e.g., Raw:

```
{
  "operator": "PwdVerify",
  "info": {
    "DeviceID":1300001,
    "CreateTime ":"2018-01-01T00:00:00",
    "HasPic ":1,
    "SanpPic": "data:image/jpeg;base64,……"
  }
}
```

3.12.9 查询已订阅的信息

3.12.9 Query the subscribed information

Operator: **GetSubscribe**

URI:**http://<server ipaddr>/action/GetSubscribe**

e.g.,

http://192.168.2.10/action/GetSubscribe

回复 body

Reply to body

```
{  
    "operator": "GetSubscribe",  
    "info": {  
        "Num": 2,  
        "Topics": ["Snap", "Verify"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
  
        "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify"},  
        "HeartBeat": "/Subscribe/heartbeat"},  
        "ResumefromBreakpoint": 0,  
        "BeginTime": "2019-11-05T11:44:29",  
        "Auth": "none"  
  
    }  
}  
or  
{  
    "operator": "GetSubscribe",  
    "info": {  
        "Num": 1,  
        "Topics": ["Verify"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
  
        "SubscribeUrl": {"Verify": "/Subscribe/Verify"},  
        "HeartBeat": "/Subscribe/heartbeat"},  
        "ResumefromBreakpoint": 1,  
        "BeginTime": "2019-11-05T11:44:29",  
        "Auth": "Basic",  
        "User": "admin",  
        "Pwd": "admin"  
    }  
}
```

or

```
{  
    "operator": "GetSubscribe",  
    "info": {  
        "Num": 1,  
        "Topics": ["QRCode"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
        "SubscribeUrl": {"QRCode": "/Subscribe/QRCode", "HeartBeat": "/Subscribe/heartbeat"},  
        "ResumefromBreakpoint": 0,  
        "BeginTime": "2019-11-05T11:44:29",  
  
        "Auth": "Basic",  
        "User": "admin",  
        "Pwd": "admin"  
    }  
}
```

or

```
{  
    "operator": "GetSubscribe",  
    "info": {  
        "Num": 0  
    }  
}
```

Or

```
{  
    "operator": "GetSubscribe",  
    "info": {  
        "Num": 2,  
        "Topics": ["Card", "PassWord"],  
        "SubscribeAddr": "http://192.168.2.11:8080",  
    }  
}
```

```

    "SubscribeUrl": {"Card": "/Subscribe/Card", "PassWord": "/Subscribe/PassWord", "HeartBeat": "/Subscribe/heartbeat"},  

    "ResumefromBreakpoint": 0,  

    "BeginTime": "2019-11-05T11:44:29",  

    "Auth": "none"  

    }  

}  

or  

.....
```

3.13 取消订阅

3.13 unsubscribe

取消数据订阅，类型包括：实时抓拍信息的订阅和认证结果信息的订阅

Cancel data subscription, including: subscription of real-time snapshot

information and subscription of authentication result information

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	Unsubscribe	取消订阅 Unsubscribe
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号,可通过 3.9 设备信息获取 获取到。

			The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
Num	int	1~2	取消订阅多少个类型信息 How many types of information are unsubscribed
Topics	json array	"Snap", "Verify", "VerifyWithSnap", " "VerifyWithReg", "VerifyNoPic", "QRCode", "PassWord", "Card"	单个或多个订阅消息类型的集合，如： A collection of single or multiple subscription message types, such as: ["Snap"] : 取消订阅实时抓拍上报 ["snap"] : unsubscribe real-time snapshot reporting 或 or ["Verify"] : 取消订阅认证结果上报 ["verify"] : unsubscribe to submit the authentication result 或 or ["VerifyWithSnap"] : 取消订阅认证结果上报 ["verifywithsnap"] : unsubscribe to submit authentication results 或 or ["VerifyWithReg"] : 取消订阅认证结果上报

		<p>["verifywithreg"]: unsubscribe to submit authentication results 或 or</p> <p>["VerifyNoPic"] : 取消订阅认证结果上报 ["verifynopic"]): unsubscribe from the report of authentication results 或 or</p> <p>["QRCode"] : 取消二维码结果上报 ["QRcode": cancel the report of QR code results 或 or</p> <p>["Snap", "Verify"]取消订阅抓拍和认证结果上报 ["snap", "verify"] unsubscribe capture and authentication result reporting 或 or</p> <p>["Snap", "VerifyWithSnap"]取消订阅抓拍和认证结果上报 ["snap", "verifywithsnap"] unsubscribe capture and authentication result reporting 或 or</p> <p>["Snap", "VerifyWithReg"]取消订阅抓拍和认证结果上报</p>
--	--	--

			<p>["snap", "verifywithreg"] unsubscribe capture and authentication result reporting 或 or</p> <p>["Snap", "VerifyNoPic"] 取消订阅抓拍和认证结果上报 ["snap", "verifynopic"] unsubscribe capture and authentication result reporting 或 or</p> <p>["PassWord ", " Card "] 取消订阅 IC 卡号认证结果和密码认证结果上报 上报 (门禁机) ["password", "card"] unsubscribe the report of IC card number authentication result and password authentication result (access control machine)</p>
--	--	--	---

Operator: **Unsubscribe**

URI:**http://<server ipaddr>/action/Unsubscribe**

e.g.,

<http://192.168.2.10/action/Unsubscribe>

下发 body

Issue body

```
{  
    "operator": "Unsubscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "Verify"]  
    }  
}  
Or  
{  
    "operator": "Unsubscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 2,  
        "Topics": ["Snap", "VerifyWithReg"]  
    }  
}  
Or  
{  
    "operator": "Unsubscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 1,  
        "Topics": ["QRCode"]  
    }  
}  
Or  
{  
    "operator": "Unsubscribe",  
    "info": {  
        "DeviceID": 1300001,  
    }  
}
```

```
"Num": 1,  
"Topics":["PassWord"]  
}  
}  
Or  
{  
    "operator": "Unsubscribe",  
    "info": {  
        "DeviceID": 1300001,  
        "Num": 1,  
        "Topics":["Card"]  
    }  
}  
Or  
...
```

3.14 订阅的心跳

3.14 Subscription heartbeat

设备从数据订阅信息里获取到订阅的心跳的地址、端口和 URL，设备在整个订阅有效期内向订阅地址发送心跳信息，订阅服务器在收到设备的心跳后需同样回复心跳，以保持双方的有效连接，一旦心跳握手失败，设备端会关闭连接后重新尝试连接订阅地址，心跳间隔设定在 30 秒。心跳的上报需要订阅 HTTP 的任意一个订阅（认证订阅或陌生人抓拍订阅等），不可单独订阅心跳。

The device obtains the address, port and URL of the heartbeat of the subscription from the data subscription information. The device sends the heartbeat information to the subscription address during the whole subscription validity period. The subscriber needs to reply the heartbeat after receiving the

heartbeat of the device to maintain the effective connection between the two parties. Once the heartbeat handshake fails, the device will close the connection and try to connect to the subscription address again. The heartbeat interval is set at 30 seconds. The report of heartbeat needs to subscribe to any HTTP subscription (authentication subscription or stranger snapshot subscription, etc.), and cannot subscribe to heartbeat separately.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	HeartBeat	取消订阅 Unsubscribe
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号 The device ID number of the device to be operated on
Time	char	YYYY-MM-DDThh:mm:ss	设备当前时间。e.g., 2018-03-25T21:50:05 Device current time. e.g., 2018-03-25T21:50:05

e.g., Raw

```
-- HEADERS --
POST /Subscribe/heartbeat HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 128
```

```
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:192.168.2.10
Connection: Keep-Alive
```

```
-- BODY --
{
    "operator": "HeartBeat",
    "info": {
        "DeviceID": 1300001,
        "Time": "2018-03-12T09:09:20"
    }
}
```

3.15 接入摄像机参数

3.15 Access camera parameters

此项功能针对人脸抓拍比对服务器设备，人脸识别一体机设备不支持此服务能力。

This function is aimed at the server device of face capture comparison, which is not supported by the face recognition all-in-one machine.

获取或设置摄像机参数，根据不同的设备型号查看最大支持接入多少路的摄像机。

Get or set the camera parameters, and check the maximum number of cameras that can be connected according to different device models.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
-----	------	--------	-------------

operator	char	GetEnterIPC or SetEnterIPC	GetEnterIPC: 获取接入摄像机设置参数 Getenteripc: get access camera setting parameters SetEnterIPC: 设置接入摄像机参数 Setenteripc: setting access camera parameters
info	json object		具体内容 concrete content
TotalNum	int (optional)		需要设置的摄像机总数或者返回的摄像机总数 Total number of cameras to be set or returned
IPC_Info	json array (optional)		设置摄像机参数 list, 数组成员为 json object Set the camera parameter list, and the array member is JSON object
IPC_Channel	int		摄像机通道, 设置摄像机参数时必填 Camera channel, required when setting camera parameters
IPC_Enable	int (optional)		摄像机使能 Camera enable

IPC_URL	char (optional)		接入摄像机的 IP(不超过 64 字节) IP access to camera (no more than 64 bytes)
IPC_Port	int (optional)		接入摄像机的端口 Port to access camera
IPC_Username	char (optional)		接入摄像机的用户名(不超过 32 字节) User name to access the camera (no more than 32 bytes)
IPC_Password	char (optional)		接入摄像机的密码(不超过 32 字节) Password to access camera (no more than 32 bytes)
IPC_Name	char (optional)		接入摄像机的名称(不超过 32 字节) Name of access camera (no more than 32 bytes)

3.15.1 获取接入摄像机参数

3.15.1 Get the parameters of access camera

Operator: **GetEnterIPC**

URI:**http://<server ipaddr>/action/GetEnterIPC**

e.g.,

<http://192.168.2.10/action/GetEnterIPC>

回复的 body

Reply body

```
{  
    "operator": "GetEnterIPC",  
    "info": {  
        "TotalNum": 1,  
        "IPC_Info": [  
            {  
                "IPC_Channel": 0,  
                "IPC_Enable": 1,  
                "IPC_URL": "192.168.1.1",  
                "IPC_Port": 5000,  
                "IPC_Username": "admin",  
                "IPC_Password": "admin",  
                "IPC_Name": "ipc1"  
            },  
            {  
                "IPC_Channel": 1,  
                "IPC_Enable1": 1,  
                "IPC_URL1": "192.168.1.2",  
                "IPC_Port1": 5000,  
                "IPC_Username1": "admin",  
                "IPC_Password1": "admin",  
                "IPC_Name1": "ipc2"  
            },  
            .....  
        ]  
    }  
}
```

```
}
```

3.15.2 设置接入摄像机参数

3.15.2 Set the parameters of access camera

Operator: **SetEnterIPC**

URI:<http://<server ipaddr>/action/SetEnterIPC>

e.g.,

<http://192.168.2.10/action/SetEnterIPC>

下发的 body

Issued body

```
{
    "operator": "SetEnterIPC",
    "info": {
        "TotalNum": 4,
        "IPC_Info": [
            {
                "IPC_Channel": 0,
                "IPC_Enable": 1,
                "IPC_URL": "192.168.1.1",
                "IPC_Port": 5000,
                "IPC_Username": "admin",
                "IPC_Password": "admin",
                "IPC_Name": "ipc1"
            }
        ]
    }
},
```

```

{
    "IPC_Channel": 1,
    "IPC_Enable": 1,
    "IPC_URL": "192.168.1.1",
    "IPC_Port": 5000,
    "IPC_Username": "admin",
    "IPC_Password": "admin",
    "IPC_Name": "ipc2"
},
.....
]
}
}

```

3.16 人脸抓拍比对服务器参数

3.16 face capture comparison server parameters

此项功能针对人脸抓拍比对服务器设备，人脸识别一体机设备不支持此服务能力。

This function is aimed at the server device of face capture comparison, which is not supported by the face recognition all-in-one machine.

获取或设置人脸抓拍比对服务器参数。

Get or set the parameters of the face capture comparison server.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetServerBasicPara or SetServerBasicPara	GetServerBasicPara: 获取服务器参数

			Getserverbasicpara: get server parameters SetServerBasicPara: 设置服务器参数 Setserverbasicpara: setting server parameters
info	json object		具体内容 concrete content
InformationRelease	char (optional)		信息发布, 最大 128 个汉字 Information release, up to 128 Chinese characters
Channelselection	int (optional)	0,1,2,4,9	最大路数和自适应选择, 0:自适应;1,2,4,9 分别对应最大 1,2,4,9 路 Maximum number of paths and adaptive selection, 0: adaptive;1,2,4,9 correspond to the maximum 1,2,4,9 paths respectively
DisplaySnapVerify	int (optional)	0~1	定时清空抓拍和比对,0:不清空, 1: 清空。 Time clear snapshot and comparison, 0: not empty, 1: clear.

3.16.1 获取服务器参数

3.16.1 Get server parameters

Operator: **GetServerBasicPara**

URI:**http://<server ipaddr>/action/GetServerBasicPara**

e.g.,

http://192.168.2.10/action/GetServerBasicPara

回复的 body

Reply body

```
{  
    "operator": "GetServerBasicPara",  
    "info": {  
        "InformationRelease": "信息发布",  
        "Information release": "information release",  
        "Channelselection": 0,  
        "DisplaySnapVerify": 0  
    }  
}
```

3.16.2 设置服务器参数

3.16.2 Setting server parameters

Operator: **SetServerBasicPara**

URI:**http://<server ipaddr>/action/SetServerBasicPara**

e.g.,

[http://192.168.2.10/action/**SetServerBasicPara**](http://192.168.2.10/action/SetServerBasicPara)

下发的 body

Issued body

```
{  
    "operator": "SetServerBasicPara",  
    "info": {  
        "InformationRelease": "信息发布",  
        "Information release": "information release",  
        "Channelselection": 0,  
        "DisplaySnapVerify": 0  
    }  
}
```

3.17 人员类型参数

3.17 Personnel Type Parameters

此项功能针对人脸抓拍比对服务器设备，人脸识别一体机设备不支持此服务功能。

This function is aimed at the server device of face capture comparison, which is not supported by the face recognition all-in-one machine.

获取或设置人员类型参数，最大支持 10 种人员类型。

Gets or sets the personnel type parameter, which supports up to 10 personnel types.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetWorktype orSetWorktype	GetWorktype: 获取人员类型参数 Getworktype: get personnel type parameter SetWorktype: 设置人员类型参数 Setworktype: set personnel type parameter
info	json object		具体内容 concrete content
TotalNum	int (optional)		需要设置的人员类型总数或者返回的人员类型总数 Total number of personnel types to be set or returned
WorkTypeInfo	json array		设置人员类型 list, 数组成员为 json object Set the personnel type list, and the array member is JSON object
WorkTypeIndex	int		表示为第几种人员类型

	(optional)		How many types of personnel are represented
WorktypeEnable	int (optional)		WorktypeEnable 表示人员类型使能 Worktypeenable indicates that the personnel type is enabled
Worktype	char (optional)		人员类型名称(不超过 32 个字节) Personnel type name (no more than 32 bytes)
Num	int (optional)		人员类型序号 Personnel type No

3.17.1 获取人员类型参数

3.17.1 Get personnel type parameters

Operator: **GetWorktype**

URI:<http://<server ipaddr>/action/GetWorktype>

e.g.,

<http://192.168.2.10/action/GetWorktype>

回复的 body

Reply body

```
{  
    "operator": "GetWorktype",  
    "info": {  
        "TotalNum":10,  
        "WorkTypeInfo": [  
            {  
                "WorkTypeIndex":0,  
                "WorktypeEnable":1,  
                "Worktype": "经理",  
                "Worktype": manager,  
                "Num": 0  
            },  
            {  
                "WorkTypeIndex":1,  
                "WorktypeEnable":1,  
                "Worktype": "员工",  
                "Worktype": employee,  
                "Num": 1  
            },  
            .....  
        ]  
    }  
}
```

3.17.2 设置人员类型参数

3.17.2 Setting personnel type parameters

Operator: **SetWorktype**

URI:**http://<server ipaddr>/action/SetWorktype**

e.g.,

[http://192.168.2.10/action/**SetWorktype**](http://192.168.2.10/action/SetWorktype)

下发的 body

Issued body

```
{  
    "operator": "SetWorktype",  
    "info": {  
        "TotalNum":10,  
        "WorkTypeInfo": [  
            {  
                "WorkTypeIndex":0,  
                "WorktypeEnable":1,  
                "Worktype": "经理",  
                "Worktype": manager,  
                "Num": 0  
            },  
            {  
                "WorkTypeIndex":1,  
                "WorktypeEnable1":1,  
                "Worktype1": "员工",  
                "Worktype1": employees,  
                "Num1": 0  
            },  
            .....  
        ]  
    }  
}
```

3.18 人脸服务功能

3.18 Face Service Function

此项功能针对人脸抓拍比对服务器设备，人脸识别一体机设备不支持此服务能力。

This function is aimed at the server device of face capture comparison, which is not supported by the face recognition all-in-one machine.

人脸服务功能包括：图片提取特征码，特征码比较相似度，获取人脸图片。

The function of face service includes: extracting feature code from image, comparing similarity of feature code, obtaining face image.

3.18.1 图片提取特征码

3.18.1 Image Extraction Feature Code

Operator: **HttpGetFaceSignature**

URI:**http://<server ipaddr>/action/GetFaceSignature**

e.g.,

http://192.168.2.10/action/GetFaceSignature

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetFaceSignature	获取人脸图片特征码 Get face image feature code
picinfo	char		人脸图片的 base64 编码数据(不超过 1M) Base64 encoded data of face image (no more than 1m)

```
{
  "operator": "GetFaceSignature",
  "picinfo": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

回复正确的 body

Reply to the correct body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetFaceSignature	获取人脸图片特征码 Get face image feature code
info	json object		具体内容 concrete content
FeatureData	char		人脸特征 base64 编码 数据 Face feature Base64 encoded data

FeatureLen	int		人脸特征 base64 编码 数据长度 Face feature Base64 encoding data length
Gender	int		性别,0: 男性;1:不确定;2: 女性 Gender, 0: male;1: Uncertainty;2: Women
Age	int		年龄 Age

```
{
  "operator": "GetFaceSignature",
  "info": {
    "FeatureData": "4AAQSkZJRgABAQAAAQAB.....",
    "FeatureLen": "6144",
    "Gender": 0,
    "Age": 21
  }
}
```

3.18.2 特征码比较相似度

3.18.2 Comparison of Similarity of Feature Codes

Operator: **GetSignatureSimilarity**

URI:**http://<server ipaddr>/action/GetSignatureSimilarity**

e.g.,

<http://192.168.2.10/action/GetSignatureSimilarity>

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetSignatureSimilarity	特征码间相似度比较 Comparison of similarity between feature codes
Signature1	char		特征码 base64 编码数据(不超过 1M) Signature code Base64 encoding data (no more than 1m)
Signature2	char		特征码 base64 编码数据(不超过 1M) Signature code Base64 encoding data (no more than 1m)

```
{  
    "operator": "GetSignatureSimilarity",  
    "Signature1": "d4AAQSkZJRgABAQAAAQAB.....",  
    "Signature2": "4AAQSkZJRgABAQAAAQAB....."  
}
```

回复正确的 body

Reply to the correct body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetSignatureSimilarity	获取特征码比较相似度 Get the feature code comparison similarity
info	json object		具体内容 concrete content
Similarity	float		特征码相似度 Feature code similarity

```
{  
    "operator": "GetSignatureSimilarity",  
    "info": {  
        "Similarity": 80  
    }  
}
```

3.18.3 获取人脸图片

3.18.3 Get face pictures

Operator: **GetImage**

URI:**http://<server ipaddr>/action/GetImage**

e.g., 根据返回的文件类型, 文件索引, 文件位置, 获取人脸图片

e. G., according to the returned file type, file index, file location, get the face image

<http://192.168.2.10/action/GetImage>

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetImage	以图搜索本地人脸库 Search local face database by graph
info	json object		具体内容 concrete content
Filetype	unsigned int	0~2	文件类型 0: 黑白名单 图片文件 1: 身份证图片 文件 2: 实时抓拍图片 File type 0: black and white list image file 1: ID card image file 2: real time capture image file
Fileindex	unsigned int		文件索引 参考 3.25.2 以图搜索本地人脸库 File index reference 3.25.2 to search local face database

Filepos	unsigned int		文件位置 参考 3.25.2 以图搜索本地人脸库 Refer to 3.25.2 for file location to search local face database
---------	--------------	--	---

```
{
  "operator": "GetImage",
  "info": {
    "Filetype":1,
    "Fileindex":0,
    "Filepos":0
  },
  "picinfo": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

回复正确的 body

Reply to the correct body

参数信息：人脸特征长度+人脸特征数据+人脸特征长度+人脸特征数据...

Parameter information: face feature length + face feature data + face feature

length + face feature data

Key	Type	Values	Description
operator	char	HttpGetImage	HttpGetImage: 获取人脸图片 HttpgetImage: get face image
info	json object		具体内容 concrete content
FeatureData1	char		人脸图片数据 Face image data

```
{  
"4AAQSkZJRgABAQAAAQAB....."  
}
```

3.19 名单搜索查询

3.19 List Search Query

根据相应的搜索条件来查询符合搜索条件的名单。

According to the corresponding search criteria to query the list of search criteria.

返回名单的 body 参数信息：

Return the body parameter information of the list:

Key	Type	Values	Description
operator	char	SearchPerson or SearchPersonList	SearchPerson: 单个名单 查询 Searchperson: single list query SearchPersonList: 多个名单查询 Searchpersonlist: multiple list queries
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备ID号,可通过 3.9 设备信息获取 获取到。

			The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
LibID	int		名单数据库 ID List database ID
PersonType	int	0~1	名单类型 List type 0: 白名单 0: white list 1: 黑名单 1: Blacklist
Name	char		姓名, 最大长度 32 字符 长度 (含结束符) Name, maximum length 32 characters (including ending)
Gender	int	0~1	性别 Gender 0: 男 0: male 1: 女 1: Female
Nation	int	1~57	民族 nation 1: "汉" 1: "Han" 详见 附录 D.1 民族

			See Appendix D.1 Nationalities
CardType	int		证件类型 Document type 0:身份证 0: ID card
IdCard	char		证件号, 最大长度为 32 个字符长度 (含结束符) ID number, the maximum length is 32 characters (including ending character)
Birthday	char	YYYY-MM-DD	生日, e.g., 2018-1-1 Birthday, e.g., January 1, 2018
Telnum	char		电话号码, 最大长度为 32 个字符长度 (含结束符) Telephone number, with a maximum length of 32 characters (including terminator)
Native	char		籍贯, 最大长度为 32 个字符长度 (含结束符) Native place, the maximum length is 32 characters (including terminator)
Address	char		地址, 最大长度为 72 个字符长度 (含结束符)

			Address, the maximum length is 72 characters (including terminator)
Notes	char		备注, 最大长度为 64 个字符长度 (含结束符) Note, the maximum length is 64 characters (including terminator)
MjCardFrom	int	0~3	韦根卡号生成方式 Generation method of Wigan card number 0: 公用卡号 0: public card number 1: 自动生成 1: automatically generated 2: 手动输入 2: Manual input 3: 不使用门禁卡号 3: Do not use the access control card number
WGFacilityCode	int (optional)		设备代码(Facility code); 当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 MjCardNo 字段一起组成韦根卡号; 当 Wiegand=0 or 1 时, 此参数无实际意义。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号 Equipment code (Facility code); when 3.2 door

			<p>opening conditions</p> <p>Wiegand=4 or 5 or 6 or 7</p> <p>in, together with</p> <p>MjCardNo field,</p> <p>constitutes Wigan card</p> <p>number; When</p> <p>Wiegand=0 or 1, this</p> <p>parameter has no</p> <p>practical significance. See</p> <p>3.10.5 Wigan Access</p> <p>Control Card Number</p> <p>and Built-in Card ID Card</p> <p>Number</p>
MjCardNo	unsigned int		<p>韦根门禁卡号</p> <p>(userid)。当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 WGFacilityCode 字段一起组成韦根卡号；当 Wiegand=0 or 1 时，单独构成韦根卡号。详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号</p> <p>Wigan access card number (userid). when 3.2 door opening conditions When Wiegand=4 or 5 or 6 or 7 in, it forms Wigan card number together with</p>

			<p>WGFacilityCode field; When Wiegand=0 or 1, it constitutes the Wigan card number alone. See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
RFIDCard	Char (optional)		<p>Id 卡卡号, 最大长度为 18 个字符长度, 针对 内置刷卡机型 (含结束符) 详见 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号 Id card number, the maximum length is 18 characters. For the built-in card swiping model (including terminator), please refer to 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
Tempvalid	int	0~3	<p>是否是临时名单 Is it a provisional list 0: 永久生效名单 0: permanent effective list 1: 临时名单 1: Provisional list 2: 临时名单 2</p>

			<p>2: Provisional list 2 3: 临时名单 3 3: Provisional list 3</p>
CustomizeID	unsigned int		<p>用户自定义的人员 ID 号, 可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 ID 添加人员, 否则会导致修改删除等操作出错。</p> <p>The user-defined personnel ID number can be modified, deleted and managed by this ID number. Note: you can't use the same ID to add personnel repeatedly, otherwise it will cause errors in modification, deletion and other operations.</p>
PersonUUID	char		<p>用户自定义的人员 UUID 号(不超过 48 字节), 可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 UUID 添加人员, 否则会导致修改删除等操作出错。</p> <p>The user-defined personnel UUID number</p>

			(no more than 48 bytes) can be modified and deleted through this ID number to manage the corresponding personnel information. Note: the same UUID cannot be used repeatedly to add personnel, otherwise it will cause errors in modification, deletion and other operations.
EffectNumber	int		临时名单 3 的人员有效次数, 当名单类型为临时名单 3 返回有效次数 The effective times of personnel in temporary list 3. When the list type is temporary list 3, the valid times are returned
ValidBegin	char	YYYY-MM-DDThh:mm:ss	如果是临时名单, 临时名单生效的开始时间, e.g., 2018-03-12T09:09:20 If it is a provisional list, the starting time when the provisional list takes effect, e.g., 2018-03-12T09:09:20

ValidEnd	char	YYYY-MM-DDThh:mm:ss	如果是临时名单，临时名单生效的结束时间，e.g., 2018-03-12T09:10:00 If it is a provisional list, the end time when the provisional list takes effect, e.g., 2018-03-12T09:10:00
picinfo	char		人脸图片的 base64 编码数据 Base64 encoding data of face image

3.19.1 单个名单查询

3.19.1 Query of a single list

Operator: **SearchPerson**

URI: **http://<server ipaddr>/action/SearchPerson**

e.g., 根据所要查找的 CustomizeID、UUID 或数据库 ID 查询名单

e. G., query the list based on the customized ID, UUID, or database ID you are looking for

`http://192.168.2.10/action/SearchPerson`

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SearchPerson	SearchPerson: 根据 CustomizeID、UUID 或 者数据库 ID 进行名单 搜索 Searchperson: search the list based on the customization ID, UUID, or database ID
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
SearchType	int (optional)	0~2	0:CustomizeID 1:UUID 2:数据库 ID 0: customizeid 1: UUID 2: database ID
SearchID	char		SearchID、UUID 内容 或者数据库 ID Searchid, UUID content, or database ID
Picture	int	0~1	是否包含图片信息 Include picture information 0:名单不带图片信息 0: the list does not contain picture

			information 1:名单带图片信息 1: List with picture information
--	--	--	--

```
{
  "operator": "SearchPerson",
  "info": {
    "DeviceID":1300001,
    "SearchType":0,
    "SearchID":"1234",
    "Picture":1
  }
}
Or
{
  "operator": "SearchPerson",
  "info": {
    "DeviceID":1300001,
    "SearchType":1,
    "SearchID":"5763a498-2fce-4d25-aa00-45b8278d9788",
    "Picture":1
  }
}
Or
{
  "operator": "SearchPerson",
  "info": {
    "DeviceID":1300001,
    "SearchType":2,
    "SearchID":"1",
    "Picture":1
  }
}
```

```
    }  
}
```

回复正确的 body

Reply to the correct body

```
{  
    "operator": "SearchPerson",  
    "info": {  
        "DeviceID": 1300001,  
        "LibID": 1,  
        "PersonType": 0,  
        "Name": "test",  
        "Gender": 0,  
        "Nation": 1,  
        "CardType": 0,  
        "IdCard": " ",  
        "Birthday": "2000-01-01",  
        "Telnum": " ",  
        "Native": " ",  
        "Address": " ",  
        "Notes": " ",  
        "MjCardFrom": 2,  
        "WGFacilityCode": 9A,  
        "MjCardNo": 1923B,  
        "RFIDCard": "9A01923B",  
        "Tempvalid": 0,  
        "CustomizeID": -2,  
        "PersonUUID": " ",  
        "ValidBegin": "1970-01-01T08:00:00",  
        "ValidEnd": "1970-01-01T08:00:00"  
    }  
}
```

```
 },  
 " picinfo ": "data:image/jpeg;base64,....."  
}  
Or  
....
```

3.19.2 查询名单总数

3.19.2 Total number of enquiry lists

Operator: **SearchPersonNum**

URI: **http://<server ipaddr>/action/SearchPersonNum**

e.g., 根据查询条件返回符合条件的名单总数

e. G. returns the total number of qualified lists according to the query criteria

搜索说明:

Search Description:

1、 根据时间查找:设置搜索的起始时间和搜索的结束时间，名字为空

Search by time: set the start time and end time of search, and the name is
empty

2、 根据姓名查找或者姓名模糊查找: 设置搜索的起始时间和搜索的结束时间
为空,名字不为空

Search by name or fuzzy search by name: set the start time and end time of search to be empty, and the name is not empty

<http://192.168.2.10/action/SearchPersonNum>

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SearchPersonNum	SearchPersonNum: 根据查询条件返回符合条件的名单总数 Searchpersonnum: returns the total number of qualified lists according to the query criteria
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
PersonType	int (optional)	0~2	名单类型 0:白名单 1:黑名单 2:所有 List type 0: whitelist 1: blacklist 2: all
BeginTime	char (optional)		搜索的起始时间点 Starting time of search
EndTime	char		搜索的结束时间点

	(optional)		The end time of the search
Gender	int (optional)		性别 0:男 1:女 Gender 0: male 1: Female
Age	char (optional)		年龄范围:如 1-100 Age range: e.g. 1-100
MjCardNo	unsigned int (optional)		门禁卡号 0:该条件无效 Access card number 0: the condition is invalid
Name	char (optional)		姓名(不超过 32 字节) Name (no more than 32 bytes)

```
{
    "operator": "SearchPersonNum",
    "info": {
        "DeviceID":1300196,
        "PersonType":0,
        "BeginTime":"2018-06-01T00:00:00",
        "EndTime":"2018-06-19T23:59:59",
        "Gender":2,
        "Age":"0-100",
        "MjCardNo":0,
        "Name": ""
    }
}
Or
{
    "operator": "SearchPersonNum",
    "info": {

```

```

        "DeviceID":1300196,
        "PersonType":0,
        "BeginTime":"",
        "EndTime":"",
        "Gender":2,
        "Age":"0-100",
        "MjCardNo":0,
        "Name":"test"
    }
}
Or
....
```

返回参数信息(注:optional 为可选项):

Return parameter information (Note: optional is optional)

MaxListsNum	unsigned int		设备支持的最大名单总数 The maximum total number of lists supported by the device
PersonNum	unsigned int		匹配查询条件的名单数 Number of lists matching query criteria

回复正确的 body

Reply to the correct body

```
{
    "operator": "SearchPersonNum",
    "info": {
        "DeviceID":1300001,
```

```
"MaxListsNum": 24576,  
"PersonNum":8  
}  
}
```

3.19.3 多个名单查询

3.19.3 Query of multiple lists

Operator: **SearchPersonList**

URI: **http://<server ipaddr>/action/SearchPersonList**

e.g., 根据查询条件以及所要查找的起始位置和查询的名单数目查询名单

e. G. query the list according to the query conditions, the starting position to be searched and the number of lists to be queried

搜索说明:

Search Description:

1、 根据时间查找:设置搜索的起始时间和搜索的结束时间，名字为空

Search by time: set the start time and end time of search, and the name is empty

2、 根据姓名查找或者姓名模糊查找: 设置搜索的起始时间和搜索的结束时间
为空,名字不为空

Search by name or fuzzy search by name: set the start time and end time of search to be empty, and the name is not empty

<http://192.168.2.10/action/SearchPersonList>

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SearchPersonList	SearchPersonList: 根据起始位置和查询数目返回名单 Searchpersonlist: returns a list based on the starting position and number of queries
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
PersonType	int (optional)	0~2	名单类型 0:白名单 1:黑名单 2:所有 List type 0: whitelist 1: blacklist 2: all
BeginTime	char (optional)		搜索的起始时间点 Starting time of search
EndTime	char (optional)		搜索的结束时间点

			The end time of the search
Gender	int (optional)	0~2	性别 0:男 1:女 2:所有 Gender 0: male 1: female 2: all
Age	char (optional)		年龄范围:如 1-100 Age range: e.g. 1-100
MjCardNo	unsigned int (optional)		门禁卡号 0:该条件无效 Access card number 0: the condition is invalid
Name	char (optional)		姓名 full name
BeginNO	int (optional)		查询列表的起始位置, 即从第几个人开始 Query the starting position of the list, that is, from whom to start
RequestCount	int (optional)		查询列表返回的消息总数, 最大返回 100 条, 设置超过 100 条, 也只返回 100 条。 The total number of messages returned from the query list can be up to 100, and only 100 messages can be returned if the setting is more than 100.
Picture	int	0~1	是否包含图片信息 Include picture information

			0:名单不带图片信息 0: the list does not contain picture information 1:名单带图片信息 1: List with picture information
--	--	--	---

```
{
  "operator": "SearchPersonList",
  "info": {
    "DeviceID":1300001,
    "PersonType":0,
    "BeginTime":"2018-06-01T00:00:00",
    "EndTime":"2018-06-19T23:59:59",
    "Gender":2,
    "Age":"0-100",
    "MjCardNo":0,
    "Name":"",
    "BeginNO":0,
    "RequestCount":1,
    "Picture":1
  }
}

Or

{
  "operator": "SearchPersonList",
  "info": {
    "DeviceID":1300001,
    "PersonType":0,
    "BeginTime":"",
    "EndTime": ""
  }
}
```

```
"Gender":2,  
"Age":"0-100",  
"MjCardNo":0,  
"Name":"test",  
"BeginNO":0,  
"RequestCount":10,  
"Picture":1  
}  
}
```

回复 SearchPersonList 的 body 格式：

Body format of reply to searchpersonlist:

```
{  
  "operator": "SearchPersonList",  
  "info": {  
    "DeviceID":1300001,  
    "Listnum":100,  
    "List": [  
      {  
        PersonInfo  
      },  
      {  
        PersonInfo  
      },  
      ...  
    ]  
  }  
}
```

回复正确的 body

Reply to the correct body

```
{  
    "operator": "SearchPersonList",  
    "info": {  
        "DeviceID":1300001,  
        "Listnum":100,  
        "List": [  
            {  
                "DeviceID": 1300001,  
                "LibID": 1,  
                "PersonType": 0,  
                "Name": "test",  
                "Gender": 0,  
                "Nation": 1,  
                "CardType": 0,  
                "IdCard": " ",  
                "Birthday": "2000-01-01",  
                "Telnum": " ",  
                "Native": " ",  
                "Address": " ",  
                "Notes": " ",  
                "MjCardFrom": 2,  
                "WGFacilityCode": 9A,  
                "MjCardNo": 1923B,  
                "RFIDCard": "9A01923B",  
                "Tempvalid": 0,  
                "CustomizeID": -2,  
                "PersonUUID": " ",  
                "ValidBegin": "1970-01-01T08:00:00",  
                "ValidEnd": "1970-01-01T08:00:00"  
                "Picinfo": "data:image/jpeg;base64,....."  
            },  
        ]  
    }  
}
```

```
{  
PersonInfo...  
},  
...  
]  
}  
}
```

3.20 开门控制

3.20 Open Door Control

控制开门。

Control the door opening.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	OpenDoor	直接开门,具体控制是开关量还是韦根可查看 3.2 开门条件 , 韦根使用的是公共卡号 Open the door directly. Is the specific control switch value or can be checked by weigen 3.2 door opening conditions

			Weigan uses a public card number
info	json object		具体内容 concrete content
DeviceID	int		需要操作的设备的设备 ID 号,可通过 3.9 设备信息获取 获取到。 The equipment ID number of the equipment to be operated can be accessed through 3.9 Equipment Information Acquisition Get to.
Chn	int	0~9	控制哪个门开门, 此参数针对人脸抓拍比对服务器, 人脸识别一体机此参数无效 This parameter is invalid for face capture comparison server and face recognition all-in-one machine
status	int		值大于 0 才执行开门, 不需要显示内容可不需要此参数, 配合 msg 使用。 If the value is greater than 0, the door can be opened only when the value is greater than 0. It does not need to display

			the content. This parameter can be used with MSG.
msg	char		<p>设置设备当前需要显示的内容，比如:请通行、禁止通行等，内容采用 utf-8 格式。不需要显示内容可不需要此参数，配合 status 使用。</p> <p>Set the current display content of the device, such as: please pass, no access, etc., and the content is in UTF-8 format. This parameter is not required to display the content. It is used with status.</p>

Operator: **OpenDoor**

URI:**http://<server ipaddr>/action/OpenDoor**

e.g.,

http://<server ipaddr>/action/OpenDoor

下发 body

Issue body

```
{  
    "operator": "OpenDoor",  
    "info": {  
        "DeviceID": "1300001",  
        "Chn": 0,  
        "status": 0,  
        "msg": "请通行"  
        "MSG": "please pass"  
    }  
}
```

Or:

```
{  
    "operator": "OpenDoor",  
    "info": {  
        "DeviceID": "1300001",  
        "Chn": 0,  
    }  
}
```

3.21 密码操作

3.21 password operation

此项功能针对门禁机设备。

This function is for access control equipment.

3.21.1 临时密码获取

3.21.1 Acquisition of temporary password

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	GetAccessTempPwd	GetAccessTempPwd: 获取临时开门密码 Getaccesstemppwd: get temporary door opening password
info	json object		具体内容 concrete content
TempPwd	char		临时密码(8 字节) Temporary password (8 bytes)
ValidPeriod	char		临时密码的有效时间段 The period of validity of the temporary password

Operator: **SearchPerson**

URI: **http://<server ipaddr>/action/GetAccessTempPwd**

e.g.,

<http://192.168.2.10/action/GetAccessTempPwd>

回复 body

Reply to body

```
{  
    "operator": "GetTempPwd",  
    "info": {  
        "TempPwd": "195723",  
        "ValidPeriod": "2018-11-16 17:00:00 ~ 2018-11-16 17:59:59"  
    }  
}
```

3.21.2 密码添加

3.21.2 Add password

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	AddAccessPwd	AddAccessPwd: 添加新的密码 Addaccesspwd: add a new password
info	json object		具体内容 concrete content
AccessPwd	json array		密码集 Cryptoset

Operator: **SearchPerson**

URI: <http://<server ipaddr>/action/AddAccessPwd>

e.g.,

<http://192.168.2.10/action/AddAccessPwd>

下发 body

Issue body

```
{  
    "operator": "AddAccessPwd",  
    "info": {  
        "AccessPwd": ["123465","521423","565424","456826","95468"]  
    }  
}
```

3.21.3 密码删除

3.21.3 Password deletion

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	DelAccessPwd	DelAccessPwd: 删除已添加的密码 Delaccesspwd: delete added password
info	json object		具体内容 concrete content
AccessPwd	json array		一个或多个的密码集

			One or more ciphersets
--	--	--	------------------------

Operator: **SearchPerson**

URI: **http://<server ipaddr>/action/DelAccessPwd**

e.g.,

`http://192.168.2.10/action/DelAccessPwd`

下发 body

Issue body

```
{
  "operator": "DelAccessPwd",
  "info": {
    "AccessPwd": ["123465","521423"]
  }
}
```

3.21.4 密码全部清除

3.21.4 Clear all passwords

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
-----	------	--------	-------------

operator	char	ClearAccessPwd	ClearAccessPwd: 删除 已添加的密码 Clearaccesspwd: delete added password
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device

Operator: **SearchPerson**

URI: **http://<server ipaddr>/action/ClearAccessPwd**

e.g.,

<http://192.168.2.10/action/ClearAccessPwd>

下发 body

Issue body

```
{
  "operator": "ClearAccessPwd",
  "info": {
    "DeviceID": 1300000
  }
}
```

3.22 控制记录查询

3.22 control record inquiry

控制记录查询主要包含查询控制记录总数和控制记录人员信息查询。

The control record query mainly includes the total number of control records

and the information query of control record personnel.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SearchControlNum or SearchControl	SearchControlNum:根据条件查询控制记录总数 Searchcontrolnum: total number of control records by condition query SearchControl: 根据条件查询控制记录 Searchcontrol: query and control records according to conditions
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device

SearchType	int (optional)	0~1	搜索类型,0:根据条件搜索(姓名、时间等条件)1:根据数据库的 ID+时间进行搜索,不设置该字段默认为根据条件搜索 Search type: 0: search by criteria (name, time, etc.) 1: search by database ID + time. If this field is not set, the default is search by criteria
IdType	int	0~2	如果 SearchType 为 1, 即 ID+时间的方式进行搜索, 该项必填。 If the SearchType is 1, i.e. ID + time, this item is required. 0:CustomizeID 1:LibID 2:PersonUUID
CustomizeID	unsigned int (optional)		用户自定义 ID User defined ID
LibID	unsigned int (optional)		名单数据库 ID(不是控制记录数据库 ID, 如果等于 0 代表这条数据是删除了这个名单之前产生的控制记录) List database ID (not control record)

			database ID, if it is equal to 0, this data is the control record generated before the list is deleted)
PersonUUID	char (optional)		名单数据库的 UUID(不超过 48 字节) UUID of list database (no more than 48 bytes)
Name	char (optional)		姓名 (根据姓名查找， 默认不判断条件查找的各项条件)；如果是查找远程开门控制记录，请输入“远程开门” Name (search according to the name, default does not judge the conditions of condition search);If you are looking for remote door opening control records, please enter "remote door opening"
MjCardNo	unsigned int (optional)		门禁卡号， 默认为 0 Access card number, the default is 0
Gender	int (optional)	0~2	性别 0:男 1:女 2:所有， Gender 0: male 1: female 2: all,

			不设置该字段默认是所有 If this field is not set, the default is all
OpenDoor	int (optional)	0~2	0: 所有 1: 开门 2: 拒绝, 不设置该字段默认所有 0: all 1: open 2: reject, do not set this field, the default is all
Channel	int (optional)	0~8	分析服务器通道号, 不 设置改字段默认为一体机 Analyze the channel number of the server. If the field is not set, the default is all-in-one machine
BeginTime	char		搜索开始时间, 必填 Search start time, required
EndTime	char		搜索结束时间, 必填 Search end time, required
Ascending	int (optional)	0~1(默认 0) 0 ~ 1 (default 0)	搜索结果升序或降序 Search results in ascending or descending order 0: 升序(结果从搜索开始时间往后移)

			0: ascending (results move backward from search start time) 1: 降序(结果从搜索结束时间往前移) 1: Descending (results move forward from search end time)
Age	char (optional)		年龄范围, 如 1-100, 不设置该字段默认 0-200 Age range, such as 1-100. If this field is not set, the default value is 0-200
BeginNO	int (optional)		返回的开始序号, 不设置默认从 0 开始 Return the starting sequence number. If it is not set, it will start from 0 by default
RequestCount	int (optional)	0~100	返回的记录数量, 最大返回 100 条, 不设置默认最大返回 20 条 The maximum number of returned records is 100. If it is not set, the maximum number of returned records is 20
Picture	int	0~3	是否包含图片

	(optional)		Include pictures 0:不包含图片 0: no pictures 1:包含注册图片 1: Include registration image 2:包含抓拍图片 2: Include captured pictures 3:包含注册+抓拍图片 3: Include registration + capture pictures
RemoteOpenDoor	int (optional)	1	如果是调用 3.20 开门控制 的开门控制记录， 返回此标识。 If it is a call 3.20 Open Door Control Open door control record of, return this identification.

3.22.1 控制记录总数查询

3.22.1 Query on the total number of control records

根据时间条件查询控制记录总数。

Query the total number of control records according to the time condition.

Operator: **SearchControlNum**

URI: **http://<server ipaddr>/action/SearchControlNum**

http://192.168.2.10/action/SearchControlNum

下发的 body

Issued body

```
{  
    "operator": "SearchControlNum",  
    "info": {  
        "DeviceID": 1305433,  
        "BeginTime": "2020-01-01T00:00:00",  
        "EndTime": "2020-12-13T23:09:00"  
    }  
}
```

返回的参数信息：

Parameter information returned:

Key	Type	Values	Description
operator	char	SearchControlNum	SearchControlNum:根据条件查询控制记录总数 Searchcontrolnum: total number of control records by condition query
info	json object		具体内容

			concrete content
DeviceID	int		设备的 ID The ID of the device
ControlNum	int		按时间条件返回控制记录的总数 Returns the total number of control records by time condition

返回的 body:

Returned body:

根据条件返回的控制记录总数

The total number of control records returned by condition

```
{
  "operator": "SearchControlNum",
  "info": {
    "DeviceID": 1305433,
    "ControlNum": 23
  }
}
```

3.22.2 控制记录人员信息查询

3.22.2 Information inquiry of control record personnel

根据条件查询控制记录人员信息。

Query and control the personnel information according to the conditions.

Operator: **SearchControl**

URI: **http://<server ipaddr>/action/SearchControl**

`http://192.168.2.10/action/SearchControl`

下发的 body

Issued body

e.g.,

http://<server ipaddr>/action/SearchControl

下发 body:

Issue body:

根据时间搜索:

Search by time:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300001,  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "Picture": 2  
    }  
}
```

Or

限制返回的名单数量:

Limit the number of returned lists:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300001,  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "RequestCount": 10,  
        "Picture": 2  
    }  
}
```

Or

限制返回的名单数量和开始的位置:

Limit the number of returned lists and where to start:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300001,  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "BeginNO": 5,  
        "RequestCount": 10,  
        "Picture": 2  
    }  
}
```

Or

根据名字搜索，可以模糊搜索:

According to the name search, you can fuzzy search:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300122,  
        "Name": "张三",  
        "Name": Zhang San,  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "Picture": 3  
    }  
}
```

Or

根据名单的 id 进行搜索(0:CustomizeID,1:LibID,2:PersonUUID):

Search based on the ID of the list (0: customizeid, 1: libid, 2: personuuid)

```
{  
    "operator": "SearchControl",  
    "info": {
```

```
"DeviceID": 1300122,  
"SearchType": 1,  
"IdType": 1,  
"LibID":1,  
"BeginTime": "2018-11-13T00:00:00",  
"EndTime": "2018-11-13T23:59:59",  
"Picture": 0  
}  
}  
Or  
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300122,  
        "SearchType": 1,  
        "IdType": 0,  
        "CustomizeID":1234,  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "Picture": 0  
    }  
}  
or  
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300122,  
        "SearchType": 1,  
        "IdType": 2,  
        "PersonUUID": ".....",  
        "BeginTime": "2018-11-13T00:00:00",  
        "EndTime": "2018-11-13T23:59:59",  
        "Picture": 0  
    }  
}
```

```

}

Or

服务器根据通道搜索：

The server searches by channel:

{

    "operator": "SearchControl",

    "info": {

        "DeviceID": 1300122,

        "BeginTime": "2018-11-13T00:00:00",

        "EndTime": "2018-11-13T23:59:59",

        "Channel": 1,

        "Picture": 0

    }

}

.....

```

返回的参数信息：

Parameter information returned:

Key	Type	Values	Description
operator	char	SearchControl	SearchControl: 根据条件查询控制记录 Searchcontrol: query and control records according to conditions
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID

			The ID of the device
TotalNum	int	0~100	返回控制记录的数量， 默认最大返回 100 条 Returns the number of control records, with a maximum of 100 by default
SearchInfo			返回搜索结果 list Back to search results list
LibID	int		控制记录的数据库 ID Database ID of the control record
VerfyType	int	<p>1: 普通中性机器:1~3 or 21~22 or 24~25 or 27; 1: General neutral machine: 1 ~ 3 or 21 ~ 22 or 24 ~ 25 or 27;</p> <p>2: 特殊机器: 2: Special machines:</p> <p style="color:red;">支持口罩检测 或()操作 0x100 表示带有口罩 检测通行； Support mask detection or () operation, and 0x100 indicates passing with mask detection;</p> <p style="color:red;">支持体温检测或()操作 0x200 表示带有体温检 测通行； It supports temperature detection or () operation, and 0x200 indicates that it has temperature detection;</p> <p style="color:red;">支持口罩+体温检测或 0x300 表示带有口罩+体温 检测通行； Support mask + temperature detection or () operation, and 0x300 indicates that it has mask + temperature detection;</p>	<p>验证类型。 Validation type.</p> <p>1: 白名单验证 1: white list verification</p> <p>2: 身份证验证 2: ID card verification</p> <p>3: 白名单 + 身份证验证 3: White list + ID card verification</p> <p>21:RF 卡验证(内置刷卡机型) 21:RF card verification (built-in card swiping model)</p> <p>22:RF 卡验证 + 白名单验 证(内置刷卡机型) 22: RF card verification + whitelist verification (built- in swipe card model)</p> <p>24:韦根卡验证 24: Wegeneka verification</p> <p>25:韦根卡 + 白名单验证 25: wegenka + whitelist verification</p>

		<p>(0) 操作 0x300 表示带有口罩+体温检测通行； Support mask + body temperature detection or (0) operation. 0x300 indicates that the mask + body temperature detection is available； 例如：口罩+白名单验证 (0x101) Example: mask+white list verification (0x101) 体 温+白 名 单 验 证 (0x201) Body temperature + whitelist verification (0x201) 口罩+体温+韦根刷卡+白名单验证 (0x319) Mask + body temperature + Wigan swipe card + white list verification (0x319)</p>	27:HTTP 远程开门 27: http remote door opening
Time	char		认证通过时间 Certification passing time
VerifyStatus	char	0~2	人员通行状态 Personnel passing status 0:无 1:允许 2:拒绝 0: None 1: Allow 2: Deny
Similarity	float		相似度 Similarity

PersonType	int		名单类型 0:白名单 1:黑名单 List Type 0: White List 1: Black List
Name	char		姓名(不超过 32 字节) Name (no more than 32 bytes)
WGFacilityCode	int (optional)		设备代码(Facility code); 当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 MjCardNo 字 段一起组成韦根卡号; 当 Wiegand=0 or 1 时, 此参数无实际意 义。详见 3.10.5 韦根门 禁卡号和内置刷卡 ID 卡号 Equipment code (Facility code); when 3.2 door opening conditions Wiegand=4 or 5 or 6 or 7 in, together with MjCardNo field, constitutes Wigan card number; When Wiegand=0 or 1 , this parameter has no practical significance. See 3.10.5 Wigan Access Control Card Number and Built-in

			Card ID Card Number
MjCardNo	unsigned int		<p>韦根门禁卡号 (userid)。当 3.2 开门条件 中的 Wiegand=4 or 5 or 6 or 7 时和 WGFacilityCode 字段一 起组成韦根卡号；当 Wiegand=0 or 1 时， 单独构成韦根卡号。详 见 3.10.5 韦根门禁卡号 和内置刷卡 ID 卡号</p> <p>Wigan access card number (userid). when 3.2 door opening conditions When Wiegand=4 or 5 or 6 or 7 in, it forms Wigan card number together with WGFacilityCode field; When Wiegand=0 or 1, it constitutes the Wigan card number alone. See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
RFIDCard	Char (optional)		Id 卡卡号，最大长度为 18 个字符长度,针对 内

			<p>置刷卡机型（含结束符）。详见 3.10.5 韦根门禁卡号和内置刷卡ID卡号</p> <p>Id card number, with a maximum length of 18 characters, for the built-in card swiping model (including terminator). See 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
Gender	int	0~2	性别 0:男 1:女 2:所有 Gender 0: male 1: female 2: all
Nation	int		民族 nation
IdCard	char		身份证卡号 ID card number
Birthday	char		出生日期 date of birth
Telnum	char		电话号码 telephone number
Native	char		籍贯 native place
Address	char		地址 address
CustomizeID	unsigned int		用户自定义 ID

			User defined ID
PersonUUID	char		用户自定义Uuid User defined Uuid
Temperature	double	37.20	<p>实时检测人脸温度，当3.27 温度参数中 FaceMaskPTMode=1 、4、5 模式下才返回 检测温度（温度检测机器版本支持） Real-time detection of face temperature, when 3.27 temperature parameters In the middle, the detection temperature is returned only when FaceMaskPTMode = 1, 4 and 5 modes (supported by the temperature detection machine version)</p>
TemperatureAl arm	int	0~1	<p>实时检测人脸温度是否 超过阈值,0: 没超过; 1: 超过（温度检测机器版本支持） Real-time detection of whether the face temperature exceeds the threshold, 0: it does not exceed; 1: Exceeded (supported</p>

			by temperature detection machine version)
RegPicinfo	Char		注册图片的 base64 编码 Base64 encoding of registered pictures
SnapPicinfo	Char		抓拍图片的 base64 编码 Base64 encoding of captured images

返回的 body:

Returned body:

根据搜索条件搜索返回结果:

Search results according to search criteria:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1300122,  
        "TotalNum": 1,  
        "SearchInfo": [  
            {  
                "LibID": 12,  
                "Time": "2018-11-13T16:13:06",  
                "VerifyStatus": 1,  
                "Similarity": 96.6,  
                "PersonType": 0,  
                "Name": "test",  
                "MjCardFrom": 2,  
                "WGFacilityCode": 9A,  
                "MjCardNo": 1923B,  
                "RFIDCard": "9A01923B",  
                "Gender": 0,  
                "Nation": 1,  
                "IdCard": " ",  
                "Birthday": "1973-11-13",  
                "Telnum": " ",  
                "Native": " ",  
                "Address": " ",  
                "SnapPicinfo": "...",  
                "RegPicinfo": "..."  
            },  
            {  
                .....  
            },  
            .....  
        ]  
}
```

```
    }  
}
```

Or

根据名单的 ID 进行搜索:

Search by the ID of the list:

```
{  
    "operator": "SearchControl",  
    "info": {  
        "DeviceID": 1305969,  
        "LibID": 9,  
        "VerifyStatus": 1,  
        "Similarity": 88.3,  
        "PersonType": 0,  
        "Name": "1537494887517",  
        "MjCardFrom": 2,  
        "WGFacilityCode": 9A,  
        "MjCardNo": 1923B,  
        "RFIDCard": "9A01923B",  
        "Gender": 0,  
        "Nation": 1,  
        "IdCard": " ",  
        "Birthday": "1985-11-16",  
        "Telnum": " ",  
        "Native": " ",  
        "Address": " ",  
        "CustomizeID": 0,  
        "PersonUUID": " ",  
        "TotalNum": 2,  
        "SearchInfo": [  
            {  
                "Time": "2018-11-16T15:56:50",  
                "SnapPicinfo": "...",  
                "RegPicinfo": "..."  
            },
```

```
{  
    "Time": "2018-11-16T15:56:43",  
    "SnapPicinfo": "...",  
    "RegPicinfo": "..."  
}  
]  
}  
}
```

3.23 常用配置设置

3.23 Common configuration settings

获取或设置常用参数配置信息。

Gets or sets the configuration information of common parameters.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SetGeneralParam or GetGeneralParam	SetGeneralParam: 设置 常用配置参数 SetGeneralParam: set common configuration parameters GetGeneralParam: 获取 常用配置参数 GetGeneralParam: get common configuration parameters
DeviceID	int		设备的 ID The ID of the device
info	json object		具体内容 concrete content
FaceThreshold	int (optional)	50 ~ 100	黑白名单比对门限 Black and white list comparison threshold
IDCardThreshold	int (optional)	50 ~ 100	身份证比对门限 ID card comparison threshold

ControlType	int (optional)	0~2	0:开关量; 1:韦根接口 2:韦根接口 34 0: switching value; 1: Wigan interface 26; 2. Wigan interface 34
LiveThreshold	double (optional)	0~1	活体检测阈值(不可设置) Live detection threshold (not settable)
LiveFrameNum	int (optional)		活体检测连续帧数(不可 设置) Continuous frame number of living body detection (not settable)
AutoRebootDay	int (optional)	0~8	设备自动重启设置日期 Set date of automatic restart of equipment 0:不重启;1:每天重启; 0: do not restart; 1: Restart every day; 2~8: 周 AutoRebootDay-1 重 启 Zhou AutoRebootDay-1 restarts
AutoRebootHo ur	int (optional)	0~23	设备重启整点时间 The whole time of equipment restart
Direction	int (optional)	0~2	出入口方向 Entrance and exit direction

			0: 单向 0: unidirectional 1: 入口 1: entrance 2: 出口 2. Exit
IPAddr	char (optional)		设备 Ip 地址(64 字节) Ip address of the device (64 bytes)
Submask	char (optional)		设备子网掩码(32 字节) Device subnet mask (32 bytes)
Gateway	char (optional)		设备网关(32 字节) Equipment gateway (32 bytes)
DNS	char (optional)		设备 DNS(32 字节) Device DNS(32 bytes)
DHCP	int (optional)	0~2	

3.23.1 获取常用设置参数

3.23.1 Get common setting parameters

Operator: **GetGeneralParam**

URI: **http://<server ipaddr>/action/GetGeneralParam**

e.g.,

http://172.168.2.10/action/GetGeneralParam

回复 body:

Reply to body:

```
{  
    "operator": "GetGeneralParam",  
    "DeviceID": 1379743,  
    "info": {  
        "FaceThreshold": 90,  
        "IDCardThreshold": 50,  
        "ControlType": 0,  
        "AutoRebootDay": 0,  
        "AutoRebootHour": 0,  
        "Direction": 0,  
        "IPAddr": "172.168.2.93",  
        "Submask": "255.255.255.0",  
        "Gateway": "172.168.2.1",  
        "DNS": "202.96.134.33"  
    }  
}
```

3.23.2 设置常用参数

3.23.2 Setting common parameters

Operator: **SetGeneralParam**

URI: **http://<server ipaddr>/action/SetGeneralParam**

e.g.,

<http://172.168.2.10/action/SetGeneralParam>

下发 body:

Issue body:

```
{
```

```

"operator": "SetGeneralParam",
"DeviceID": 1305269,
"info": {
    "FaceThreshold": 75,
    "IDCardThreshold": 50,
    "ControlType": 0,
    "Direction": 0,
    "AutoRebootDay": 0,
    "AutoRebootHour": 0,
    "IPAddr": "172.168.2.130",
    "Submask": "255.255.255.0",
    "Gateway": "172.168.2.1",
    "DNS": "202.96.134.33"
}
}

```

3.24 重启设备

3.24 Restart the equipment

获取或设置常用参数配置信息。

Gets or sets the configuration information of common parameters.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	RebootDevice	RebootDevice:重启设备 RebootDevice: Reboot the device
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
IsRebootDevice	int (optional)	0~1	0:不重启设备 0: do not restart the device

			1:重启设备 1: restart the device
--	--	--	---------------------------------

Operator: RebootDevice

URI: **http://<server ipaddr>/action/RebootDevice**

e.g.,

http://172.168.2.10/action/RebootDevice

body:

```
{
  "operator": "RebootDevice",
  "info": {
    "DeviceID": 1305269,
    "IsRebootDevice": 1
  }
}
```

3.25 图片服务功能

3.25 picture service function

图片服务功能包括：图片比较相似度，以图搜索本地人脸库，检测图片人脸，获取全景图。

Picture service functions include: comparing the similarity of pictures, searching local face database, detecting faces of pictures, and obtaining panorama.

3.25.1 图片比较相似度

3.25.1 Comparison of Similarity of Pictures

Operator: **GetPictureSimilarity**

URI:**http://<server ipaddr>/action/GetPictureSimilarity**

e.g.,

http://192.168.2.10/action/GetPictureSimilarity

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetPictureSimilarity	获取人员图片的相似度 Get the similarity of people pictures
picinfo1	char		人脸图片的 base64 编码数据(不超过 1M) Base64 encoded data of face image (no more than 1m)
picinfo2	char		人脸图片的 base64 编码数据(不超过 1M) Base64 encoded data of face image (no more than 1m)

{

```
"operator":"GetPictureSimilarity",
"picinfo1":"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB.....",
"picinfo2":"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

回复正确的 body

Reply to the correct body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetPictureSimilarity	获取人员图片的相似度 Get the similarity of people pictures
info	json object		具体内容 concrete content
Similarity	float		人脸图片相似度 Similarity of face pictures

```
{
    "operator": "GetPictureSimilarity",
    "info": {
        "Similarity":80
    }
}
```

3.25.2 以图搜索本地人脸库

3.25.2 Search the local face database with an image

Operator: **GetPictureSearch**

URI:`http://<server ipaddr>/action/GetPictureSearch`

e.g.,

`http://192.168.2.10/action/GetPictureSearch`

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetPictureSearch	以图搜索本地人脸库 Search local face database by graph
info	json object		具体内容 concrete content
MaxSimilarity	float		相似度阈值 Similarity threshold
MaxNum	int		最大条数 Maximum number of articles
picinfo	char		人脸图片的 base64 编码数据(不超过 1M) Base64 encoded data of face image (no more than 1m)

```
{
    "operator": "GetPictureSearch",
    "info": {
        "MaxSimilarity":80,
        "MaxNum":5
    },
    "picinfo":"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

回复正确的 body

Reply to the correct body

参数信息：人员信息+人员信息+人员信息+人员信息...

Parameter information: personnel information+personnel

information+personnel information+personnel information ...

(字段详细描述可参考 [3.10 名单的添加, 编辑修改](#))

(For detailed description of fields, please refer to [3.10 Add, edit and modify the list](#))

Key	Type	Values	Description
operator	char	GetPictureSearch	获取人脸图片满足条件的信息和图片 Acquiring information and pictures of the face pictures meeting the conditions
info	json object		具体内容 concrete content
TotalNum	int		搜索结果返回的名单总数

			The total number of lists returned by search results
SearchInfo			返回的名单 list List returned list
Uid	unsigned int		数据库 ID Database ID
Type	int	0~1	名单类型 0: 白名单 1: 黑名单 List Type 0: White List 1: Black List
Name	char		姓名(不超过 64 字节) Name (no more than 64 bytes)
Cardtype	int		输入卡号类型 Enter card number type
MjCardNo	unsigned int		门禁卡号 Access card number
Sex	int		性别 Gender
Nation	int		民族 nation
Certype	int		证件类型 Document type
Cernumber	char		身份证号码(不超过 32 字节) ID card number (no more than 32 bytes)
Birth	char		出生年月

			date of birth
Phone	char		电话号码 telephone number
Place	char		籍贯(不超过 32 字节) Native place (no more than 32 bytes)
Addr	char		地址(不超过 72 字节) Address (no more than 72 bytes)
Notes	char		备注(不超过 64 字节) Remarks (no more than 64 bytes)
Filetype	int		文件类型 file type
Fileindex	unsigned int		文件序号 Document No
Filepos	unsigned int		位置 position
CustomizeID	unsigned int		用户自定义的人员 ID 号，可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 ID 添加人员，否则会导致修改删除等操作出错。 The user-defined personnel ID number can be modified, deleted and managed by this ID

			number. Note: you can't use the same ID to add personnel repeatedly, otherwise it will cause errors in modification, deletion and other operations.
PersonUUID	char		<p>用户自定义的人员 UUID 号(不超过 48 字节), 可以通过此 ID 号进行修改删除等管理对应的人员信息。注意: 不可以重复使用相同的 UUID 添加人员, 否则会导致修改删除等操作出错。</p> <p>The user-defined personnel UUID number (no more than 48 bytes) can be modified and deleted through this ID number to manage the corresponding personnel information. Note: the same UUID cannot be used repeatedly to add personnel, otherwise it will cause</p>

			errors in modification, deletion and other operations.
Time	char		创建时间 Creation time

```
{
  "operator": "GetPictureSearch",
  "info": {
    "TotalNum":1,
    "SearchInfo": [
      {
        "Uid":0,
        "Type": 0,
        "Name":"test",
        "Cardtype":0,
        "MjCardNo":0,
        "Sex":0,
        "Nation":0,
        "Certype":0,
        "Cernumber":"421128188905061144",
        "Phone":"13691111112",
        "Place":"深圳宝安",
        "Place": Shenzhen Bao'an,
        "Addr":"深圳宝安",
        "Addr": Shenzhen Bao'an,
        "Notes": "备注",
        "Notes": "notes",
        "Filetype": 0,
        "Fileindex": 0,
        "Filepos": 0,
      }
    ]
  }
}
```

```
        "Time":"2018-03-12/09:09:20"  
    }  
]  
}  
}
```

3.25.3 检测图片人脸

3.25.3 detect the face in the picture

Operator: **DetectFaceFromPic**

URI:**http://<server ipaddr>/action/DetectFaceFromPic**

e.g.,

http://192.168.2.10/action/DetectFaceFromPic

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	DetectFaceFromPic	检测图片人脸 Face detection
info	json object		具体内容 concrete content
picinfo	char		人脸图片的 base64 编 码数据(不超过 1M)

			Base64 encoded data of face image (no more than 1m)
--	--	--	---

```
{
  "operator": "DetectFaceFromPic",
  "info": {
  },
  "picinfo": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
}
```

回复正确的 body

Reply to the correct body

参数信息：是否检测到人脸

Parameter information: whether face is detected

Key	Type	Values	Description
operator	char	DetectFaceFromPic	检测图片人脸 Face detection
info	json object		具体内容 concrete content
DetectFace	int	0~1	检测图片人脸结果: Face detection results: 0: 未检测到人脸 0: no face was detected 1: 检测到人脸 1: Face detected

```
{
```

```
"operator": "DetectFaceFromPic",
  "info": {
    "DetectFace":1,
  }
}
```

3.25.4 手动抓拍

3.25.4 Manual snapshot

手动抓拍接口仅在特殊版本中([V14 开头版本](#))支持，此接口支持获取设备的全景图抓拍图片或人脸图片返回。

The manual capture interface is only supported in special version (the beginning version of V14). This interface supports the acquisition of panoramic images of devices or the return of face images.

Operator: **FrontalFaceSnap**

URI:<http://<server ipaddr>/action/FrontalFaceSnap>

e.g.,

<http://192.168.2.10/action/FrontalFaceSnap>

下发的 body

Issued body

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	FrontalFaceSnap	获取抓拍全景图 Capture panorama
info	json object		具体内容 concrete content
DeviceID	int		设备 ID Device ID
Overall	int	0~1	图片类型 Picture type 0: 获取人脸图(获取失败为超时返回) 0: get face image (return for timeout if failed) 1: 获取抓拍全景图 1: Capture panorama

```
{
  "operator": "FrontalFaceSnap",
  "info": {
    "DeviceID": 1300001,
    "Overall": 1
  }
}
```

回复正确的 body

Reply to the correct body

参数信息：

Parameter information:

Key	Type	Values	Description
operator	char	FrontalFaceSnap	手动抓拍 Manual snap shot
FacePic	char		图片的 base64 编码数据(不超过 1.5M), 返回数据 Base64 encoded data of the picture (no more than 1.5M), and returned data

```
{
  "operator": "FrontalFaceSnap",
  "info": {
    "FacePic": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQAB....."
  }
}
```

3.26 抓拍记录查询

3.26 snap record query

抓拍记录查询是关于陌生人抓拍记录查询，如果是通行比对的人员信息不存储在抓拍记录里；抓拍记录查询主要包括抓拍记录总数查询和抓拍记录信息查询。

The snapshot record query is about the snapshot record query of strangers. If it is a traffic comparison, the personnel information is not stored in the snapshot record; Snapshot record query mainly includes the total number of snapshot records query and snapshot record information query.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	SearchCaptureNum or SearchCapture	SearchCaptureNum:根据条件查询抓拍记录总数 SearchCaptureNum: query the total number of snapshot records according to conditions SearchCapture: 根据条件查询抓拍记录 SearchCapture: query the capture records according to the conditions
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
BeginTime	char		搜索开始时间, 必填 Search start time, required
EndTime	char		搜索结束时间, 必填 Search end time, required
Ascending	int	0~1(默认 0)	搜索结果升序或降序

	(optional)	0 ~ 1 (default 0)	Search results in ascending or descending order 0: 升序(结果从搜索开始时间往后移) 0: ascending (results move backward from search start time) 1: 降序(结果从搜索结束时间往前移) 1: Descending (results move forward from search end time)
BeginNO	int (optional)		返回的开始序号, 不设置默认从 0 开始 Return the starting sequence number. If it is not set, it will start from 0 by default
RequestCount	int (optional)	0~100	返回的记录数量, 最大返回 100 条, 不设置默认最大返回 15 条 The maximum number of records returned is 100, and the default maximum is 15.

3.26.1 抓拍记录总数查询

3.26.1 Query on the total number of snap records

根据时间条件查询抓拍记录总数。

According to the time condition, query the total number of snap records.

Operator: **SearchCaptureNum**

URI: **http://<server ipaddr>/action/SearchCaptureNum**

<http://192.168.2.10/action/SearchCaptureNum>

下发的 body

Issued body

```
{  
    "operator": "SearchCaptureNum",  
    "info": {  
        "DeviceID": 1305433,  
        "BeginTime": "2020-01-01T00:00:00",  
        "EndTime": "2020-12-13T23:09:00"  
    }  
}
```

返回的参数信息：

Parameter information returned:

Key	Type	Values	Description
operator	char	SearchCaptureNum	SearchCaptureNum:根据条件查询抓拍记录总数 SearchCaptureNum: query the total number of snapshot records according to conditions
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
CaptureNum	int		按时间条件返回抓拍记录的总数 According to the time condition, return the total number of snap records

返回的 body:

Returned body:

根据条件返回的抓拍记录总数

Total number of snap records returned according to conditions

{

 "operator": "SearchCaptureNum",

 "info": {

 "DeviceID": 1305433,

```
        "CaptureNum": 485  
    }  
}
```

3.26.2 抓拍记录人员信息查询

3.26.2 Inquire about the personnel information of the snap record

根据条件查询查询抓拍记录人员信息。

According to the condition of query query capture record personnel information.

Key	Type	Values	Description
operator	char	SearchCapture	SearchCapture: 根据条件查询抓拍记录 SearchCapture: query the capture records according to the conditions
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
CaptureNum	int		按时间条件返回抓拍记录的总数 According to the time condition, return the total number of snap records

Listnum	int (optional)		根据条件查询返回的抓拍记录人员信息条数 According to the condition, query the number of captured record personnel information returned
LibSnapID	int (optional)		返回的抓拍记录信息的抓拍库 ID The snapshot library ID of the returned snapshot record information
CreateTime	Char	YYYY-MM-DDThh:mm:ss	抓拍时间 Capture time
Temperature	double	37.20	实时检测人脸温度, 当 3.27 温度参数 中 FaceMaskPTMode=1、4、5 模式下才返回检测温度 (温度检测机器版本支持) Real-time detection of face temperature, when 3.27 temperature parameters In the middle, the detection temperature is returned only when FaceMaskPTMode = 1, 4 and 5 modes (supported by the

			temperature detection machine version)
TemperatureAl arm	int	0~1	实时检测人脸温度是否 超过阈值,0: 没超过; 1: 超过 (温度检测机 器版本支持) Real-time detection of whether the face temperature exceeds the threshold, 0: it does not exceed; 1: Exceeded (supported by temperature detection machine version)
SnapPicinfo	Char		抓拍图片的 base64 编 码 Base64 encoding of captured images

Operator: **SearchCapture**

URI: <http://<server ipaddr>/action/SearchCapture>

<http://192.168.2.10/action/SearchCapture>

下发的 body

Issued body

e.g.,

http://<server ipaddr>/action/SearchCapture

下发 body:

Issue body:

根据时间搜索:

Search by time:

```
{  
    "operator": "SearchCapture",  
    "info": {  
        "DeviceID": 1305433,  
        "BeginTime": "2020-01-13T00:00:00",  
        "EndTime": "2020-01-13T23:59:59"  
    }  
}
```

Or

限制返回的抓拍记录数量:

Limit the number of snap records returned:

```
{  
    "operator": "SearchCapture",  
    "info": {  
        "DeviceID": 1305433,  
        "BeginTime": "2020-01-01T00:00:00",  
        "EndTime": "2020-01-13T23:59:59",  
        "RequestCount": 10  
    }  
}
```

Or

限制返回的抓拍记录数量和开始的位置:

Limit the number of returned snap records and the starting position:

```
{  
    "operator": "SearchCapture",  
    "info": {  
        "DeviceID": 1305433,  
        "BeginTime": "2020-01-01T00:00:00",  
        "EndTime": "2020-01-13T23:59:59",  
        "BeginNO": 5,  
        "RequestCount": 10  
    }  
}
```

返回的 body:

Returned body:

根据时间条件返回抓拍记录人员信息结果:

According to the time condition, return the result of capturing and recording personnel information:

```
{  
    "operator": "SearchCapture",  
    "info": {  
        "DeviceID": 1305433,  
        "Listnum": 15,  
        "List": [  
            {  
                "LibSnapID": 3303,  
                "CreateTime": "2020-01-13T20:02:43",  
                "SnapPicinfo": "data:image/jpeg;base64,Qk3m5.....  
            },  
            {
```

```
        "LibSnapID": 3302,
        "CreateTime": "2020-01-13T19:36:06",
        "SnapPicinfo": "data:image/jpeg;base64,Qk225QA.....",
    },
    {
        "LibSnapID": 3301,
        "CreateTime": "2020-01-13T18:34:15",
        "SnapPicinfo": "data:image/jpeg;base64,Qk225.....",
    },
    .....
    {
        "LibSnapID": 3289,
        "CreateTime": "2020-01-13T16:31:26",
        "SnapPicinfo": "data:image/jpeg;base64,Qk22.....",
    }
]
}
```

Or

限制返回的抓拍记录数量为 10 条
Limit the number of snap records returned to 10

```
{
    "operator": "SearchCapture",
    "info": {
        "DeviceID": 1305433,
        "Listnum": 10,
        "List": [
            {
                "LibSnapID": 3303,
                "CreateTime": "2020-01-13T20:02:43",
                "SnapPicinfo": "data:image/jpeg;base64,Qk3m5.....",
            },
            {

```

```

    "LibSnapID": 3302,
    "CreateTime": "2020-01-13T19:36:06",
    "SnapPicinfo": "data:image/jpeg;base64,Qk225QA.....",
},
{
    "LibSnapID": 3301,
    "CreateTime": "2020-01-13T18:34:15",
    "SnapPicinfo": "data:image/jpeg;base64,Qk225.....",
},
.....
{
    "LibSnapID": 3294,
    "CreateTime": "2020-01-13T16:31:38",
    "SnapPicinfo": "data:image/jpeg;base64,Qk22.....",
}
]
}
}

```

Or

限制返回的抓拍记录数量 10 条和开始的位置:

Limit the number of returned snap records to 10 and the starting position:

```

{
    "operator": "SearchCapture",
    "info": {
        "DeviceID": 1305433,
        "Listnum": 10,
        "List": [
            {
                "LibSnapID": 3298,
                "CreateTime": "2020-01-13T14:32:38",
                "SnapPicinfo": "data:image/jpeg;base64,Qk3m5....."
            }
        ]
    }
}

```

```
    },
    {
        "LibSnapID": 3397,
        "CreateTime": "2020-01-13T14:32:36",
        "SnapPicinfo": "data:image/jpeg;base64,Qk225QA.....",
    },
    {
        "LibSnapID": 3396,
        "CreateTime": "2020-01-13T14:32:34",
        "SnapPicinfo": "data:image/jpeg;base64,Qk225.....",
    },
    .....
    {
        "LibSnapID": 3289,
        "CreateTime": "2020-01-13T16:31:26",
        "SnapPicinfo": "data:image/jpeg;base64,Qk22.....",
    }
]
}
```

3.27 温度参数

3.27 temperature parameters

温度参数主要是涉及到支持温度检测的机器型号的人脸识别一体机的温度运行参数，才支持此项参数。

The temperature parameter is mainly related to the temperature operation parameter of the face recognition all-in-one machine that supports temperature detection, and only supports this parameter.

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator	char	GetTemperature or SetTemperature	GetTemperature:获取温度参数 GetTemperature: get temperature parameters SetTemperature:设置温度参数 SetTemperature: set temperature parameters
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
TemperatureMode	int (optional)	0~1	温度显示模式 Temperature display mode 0: 摄氏温度 0: Celsius temperature 1:华氏温度 1: Fahrenheit temperature

ShowAbnormalTemp	int (optional)	0~1	显示异常温度 Display abnormal temperature 0: 不显示 0: do not display 1: 显示 1: display
TemperatureCheck	double (optional)	0.0	温度校准度 Temperature calibration degree
TemperatureLow	double (optional)	34.00(C 款默认); 34.00 (default in Section C); 28.00(除 C 款外默认) 28.00 (default except for paragraph c)	低温阈值 Low temperature threshold
TempAutoLow	int (optional)	0~1(默认值 1) 0~1 (the default value is 1)	自动调整低温阈值: (特殊版本支持,建议开启) Automatic adjustment of low temperature threshold: (supported by special version, it is recommended to turn it on) 0: 否 0: no 1: 是 1: yes
TempWay	int (optional)	0~1	测温模式: (特殊机型支持) Temperature measurement mode: (supported by special models)

			0: 精准模式 0: precision mode 1: 快速模式 1. fast mode
BDHC	double (optional)	40.00	BDHC: (特殊机型支持) BDHC: (supported by special models)
BDLC	double (optional)	28.00	BDLC: (特殊机型支持) BDLC: (supported by special models)
TemperatureHigh	double	37.3	温度报警阈值 (默认:37.3) Temperature alarm threshold (default: 37.3)
EnvTemperature	double (optional)		环境温度 (预留) Ambient temperature (reserved)
EnvTemperatureCheck	double (optional)		环境温度校准值 (预留) Ambient temperature calibration value (reserved)
OpenLaser	int (optional)	0~1	是否打开激光 (预留) Turn on laser (reserved)
TempFaceMinW	int (optional)	100~500	测温最小人脸识别像素宽度; 限定测温距离,值越小测温识别距离越远(默认350) Minimum face recognition pixel width for temperature measurement; Limit the temperature measurement distance. The smaller the

			value, the farther the temperature measurement recognition distance is (default 350)
TempFaceMin H	int (optional)	50~1000	测温最小人脸识别像素高度；限定额头高度,值越小越往上，识别区域越小，值越大识别区域越大（默认 560） Minimum face recognition pixel height for temperature measurement; Limit forehead height, the smaller the value, the higher the recognition area, and the larger the value, the larger the recognition area (default 560)

3.27.1 获取温度参数

3.27.1 Obtain temperature parameters

Operator: GetTemperature

URI:<http://<server ipaddr>/action/GetTemperature>

e.g.,

<http://192.168.2.10/action/GetTemperature>

回复 body

Reply to body

```
{  
    "operator": "GetTemperature",  
    "info": {  
        "TemperatureMode": 0,  
        "ShowAbnormalTemp": 0,  
        "TemperatureCheck": 0.00,  
        "TemperatureLow": 28.00,  
        "TemperatureHigh": 37.30,  
        "EnvTemperature": 0.00,  
        "EnvTemperatureCheck": 0.00,  
        "OpenLaser": 0,  
        "TempFaceMinW": 350,  
        "TempFaceMinH": 560  
    }  
}
```

3.27.2 设置温度参数

3.27.2 Setting temperature parameters

Operator: **SetTemperature**

URI:**http://<server ipaddr>/action/SetTemperature**

e.g.,

http://192.168.2.10/action/SetTemperature

下发 body

Issue body

```
{  
    "operator": "SetTemperature",  
    "info": {  
        "DeviceID": 1305433,  
        "TemperatureMode": 0,  
        "ShowAbnormalTemp": 0,  
        "TemperatureCheck": 0.00,  
        "TemperatureLow": 28.00,  
        "TemperatureHigh": 37.30,  
        "EnvTemperature": 0.00,  
        "EnvTemperatureCheck": 0.00,  
        "OpenLaser": 0,  
        "TempFaceMinW": 350,  
        "TempFaceMinH": 560  
    }  
}
```

3.28 握手协议数据

3.28 handshake protocol data

握手协议数据主要是涉及到客户对接平台可以将一些数据内容写入到人脸识别一体机保存下来，一般是第三方的加密数据内容或者第三方鉴权数据等，数据内容大小不可超过 4K 字节。

Handshake protocol data mainly involves that the customer docking platform can write some data contents into the face recognition all-in-one machine and save them, which are generally the encrypted data contents of the third party or the authentication data of the third party, and the size of the data contents cannot exceed 4kbytes.

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator	char	GetHandSharkData or SetHandSharkData	GetHandSharkData: 获取握手协议数据 GetHandSharkData: get handshake protocol data SetHandSharkData: 设置握手协议数据 SetHandSharkData: set handshake protocol data
info	json object		具体内容 concrete content
DeviceID	int		设备的 ID The ID of the device
HandSharkInfo	char		数据内容，不可超过 4K 字节 Data content, no more than 4K bytes

3.28.1 获取握手协议数据

3.28.1 Get handshake protocol data

Operator: `GetHandSharkData`

URI:`http://<server ipaddr>/action/GetHandSharkData`

e. g.,

`http://192.168.2.10/action/GetHandSharkData`

回复的 body

Reply body

```
{  
    "operator": "GetHandSharkData",  
    "info": {  
        "HandSharkInfo": "xxxx"  
    }  
}
```

3.28.2 设置握手协议数据

3.28.2 Set handshake protocol data

Operator: `SetHandSharkData`

URI:`http://<server ipaddr>/action/SetHandSharkData`

e. g.,

`http://192.168.2.10/action/SetHandSharkData`

下发的 body

Issued body

```
{
    "operator": "SetHandSharkData",
    "info": {
        "DeviceID": "1310001",
        "HandSharkInfo": "xxxx"
    }
}
```

3.29 版本升级

Version 3.29 upgrade

在 [3.9 设备信息](#) 可以获取到当前人脸识别一体机的软件版本，核对需要升级的版本和人脸识别一体机当前的软件版本符合对应版本升级前提下升级版本，升级版本成功后，人脸识别一体机将会自动重启。

stay [3.9 Equipment Information](#) The software version of the current all-in-one face recognition machine can be obtained. Check that the version to be upgraded and the current software version of the all-in-one face recognition machine are in line with the corresponding version. After the upgrade version is successful, the all-in-one face recognition machine will restart automatically.

3.29.1 版本升级接口 1

3.29.1 Version Upgrade Interface 1

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator	char	Upgrade	Upgrade:版本升级 Upgrade: version upgrade
info	json object		具体内容 concrete content

DeviceID	int		设备的 ID The ID of the device
Name	char		版本名称 Version name
Path	char	例如: https://hq.oss-cn-shenzhen.aliyuncs.com/face/xxx. swx For example: https://hq.oss-cn-shenzhen.aliyuncs.com/face/xxx.swx	版本升级文件的下载路径 (http 或 https) , 后缀名必须是". swx" The download path (HTTP or HTTPS) of the version upgrade file must be ". SWX"

Operator: **Upgrade**

URI:**http://<server ipaddr>/action/Upgrade**

e. g.,

http://192.168.2.10/action/Upgrade

下发的 body

Issued body

```
{
  "operator": "Upgrade",
  "info": {
    "DeviceID": 1300001,
    "Name": "最新版本",
    "Name": "latest version",
    "Path": "https://hq.oss-cn-shenzhen.aliyuncs.com/face/xxx.swx"
  }
}
```

}

3.30 系统参数

3.30 system parameters

系统参数主要是涉及到人脸识别一体机的系统运行参数。

The system parameters are mainly related to the operation parameters of the face recognition all-in-one machine.

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator		GetSysCfg/ SetSysCfg	GetSysCfg:获取系统参数 Getsyscfg: get system parameters SetSysCfg:设置系统参数 Setsyscfg: setting system parameters
info			具体内容 concrete content
Language	int (optional)	0~5	设备语言, 0:英文 1:中文简体 2:中文繁体 3:葡萄牙文 4:韩文 5:俄语 (特殊版本支持), 6:意大利语, 7: 法语, 8: 西班牙语, 9: 日语; 更改设备语言, 机器将重启 Device language, 0: English 1: Simplified Chinese 2: Chinese traditional 3: Portuguese 4: Korean 5: Russian (special version support), 6: Italian, 7: French, 8: Spanish, 9: Japanese;Change the device

			language and the machine will restart
DataBaseEnable	int (optional)	0~1	记录抓拍+记录身份证+记录认证 (0 否 1 是);默认:1, 不开启将 不保存 抓拍、身份证、认证图片数据 Record capture + record ID card + record authentication (0 No, 1 yes);Default: 1. If it is not enabled, the snapshot, ID card and authentication image data will not be saved
IDcardType	int (optional)	0~3	身份证读卡器类型, ID card reader type, 0:中控 (IDM30), 腾研, 华视 (CVR-100B), 博雅; 0: central control (idm30), Tengyan, Huashi (cvr-100b), Boya; 1:精伦 (IDR210) ; 1: IDR210 was used as the control; 2:中控 (IDM30, IDM10) ; 2: Central control (idm30, idm10); 3:华视 (CVR-100UC) 3: Huashi (cvr-100uc)
CardReaderType	int (optional)	预留 reserve	IC 卡读卡器类型 IC card reader type
CardOpenDoorWay	int (optional)	预留 reserve	刷卡开门方式 Card opening mode 0: 人脸+卡 1: 人脸或卡

			0: face + card 1: face or card
FaceDisplay	int (optional)	0~1, 默认 1 0 ~ 1, the default is 1	是否显示人脸框 Whether to display face frame 0:否 1:是 0: no 1: yes
LiveDetectType	int (optional)	0~2, 默认 1 0~2, default 1	活体检测模式 0: 活体检测一直打开, 1: 关闭活体检测, 2: 按时间段打开活体检测 Live detection mode 0: Live detection is always on, 1: Live detection is turned off, and 2: Live detection is turned on according to time period
LiveDetectTimeBegin	String (optional)	e.g.,07:00:00	活体检测每天启动时间点 Start time point of living body test every day LiveDetectType=2 时必填 Mandatory when LiveDetectType=2
LiveDetectTimeEnd	String (optional)	e.g.,19:00:00	活体检测每天结束时间点 End time point of living body test every day LiveDetectType=2 时必填 Mandatory when LiveDetectType=2
LiveThreshold	Double (optional)	e.g.,90.000000	活体检测阈值(不可设置) Live detection threshold (not settable)
LiveFrameNum	int (optional)		活体检测连续帧数,帧数越大,识别占用时间增加(不可设置) The number of consecutive

			frames in living body detection, the larger the number of frames, the longer the recognition time (can not be set)
LedLightType	int (optional)	0~5	启用白光灯类型 0: 从不 1: 时间控制 2: 光敏控制 3: 人 脸感应 4: 人脸或时间 5 人脸 或光感 Enable white light type 0: Never 1: Time Control 2: Photosensitive Control 3: Face Sensing 4: Face or Time 5 Face or Light Sensing
LedBrightness	int (optional)		当启用白光灯时使用 Used when white light is enabled
LedTimeBeg	String (optional)	e.g.,19:00:00	白光灯每天启用开始时间（启 用白光灯时间）,当 LedLightType=1, 4 时必填 White light start time every day (white light start time), which is required when LedLightType=1,4
LedTimeEnd	String (optional)	e.g.,07:00:00	白光灯每天启用结束时间(关 闭白光灯时间),当 LedLightType=1, 4 时必填 End time when white light is turned on every day (time when white light is turned off), which is required when LedLightType=1,4

LedDisableAfterSec	int (optional)		无人多少秒后关闭白光灯 (人脸感应) ,当 LedLightType=3,4,5 时必填 How many seconds after no one turns off the white light (face sensing), which is required when LedLightType=3,4,5 4, 5
LcdBLDisable	int (optional)		是否无人时关闭屏幕 0: 从不, 1: 未检测到人脸时关闭屏背光 Turn off the screen when no one is there. 0: Never, 1: Turn off the backlight when no face is detected
LcdBLDisableAfterSec	int (optional)		无人多少秒后关闭屏幕,当 LcdBLDisable=1 时必填 How many seconds after no one closes the screen, which is required when LcdBLDisable=1
ScreenBrightness	int (optional)	默认:50 Default: 50	屏幕亮度 (预留) Screen brightness (reserved)
WebTimeOut	int (optional)	2~10 默认:5 2~10 Default: 5	web 页面登录超时时间 (分钟) Web page login timeout (minutes)

3.30.1 获取系统参数

3.30.1 Obtain system parameters

Operator: **GetSysCfg**

URI:`http://<server ipaddr>/action/GetSysCfg`

e. g.,

`http://192.168.2.10/action/GetSysCfg`

回复 body

Reply to body

```
{  
    "operator": "GetSysCfg",  
    "info": {  
        "Language": 1,  
        "DataBaseEnable": 1,  
        "IDcardType": 0,  
        "CardReaderType": 1,  
        "CardOpenDoorWay": 0,  
        "FaceDisplay": 1,  
        "LiveDetectType": 0,  
        "LiveDetectTimeBeg": "07:00:00",  
        "LiveDetectTimeEnd": "19:00:00",  
        "LiveThreshold": "90.000000",  
        "LiveFrameNum": 2,  
        "LedLightType": 4,  
        "LedTimeBeg": "19:00:00",  
        "LedTimeEnd": "07:00:00",  
        "LedBrightness": 50,  
        "LedDisableAfterSec": 30,  
        "LcdBLDisable": 1,  
        "LcdBLDisableAfterSec": 60,  
        "ScreenBrightness": 50,  
        "WebTimeOut": 10  
    }  
}
```

3.30.2 设置系统参数

3.30.2 Setting system parameters

Operator: SetSysCfg

URI:`http://<server ipaddr>/action/SetSysCfg`

e.g.,

`http://192.168.2.10/action/SetSysCfg`

下发 body

Issue body

```
{  
    "operator": "SetSysCfg",  
    "info": {  
        "LedLightType": 4,  
        "LedTimeBeg": "19:00:00",  
        "LedTimeEnd": "06:00:00",  
        "ScreenBrightness": 50,  
        "WebTimeOut": 10  
    }  
}
```

3.31 MQTT 参数

3.31 MQTT parameters

MQTT 参数主要是涉及到人脸识别一体机的 MQTT 服务运行参数，设置此接口的重要参数将会使人脸识别一体机和 MQTT 服务器重连。

MQTT parameters mainly relate to the operation parameters of MQTT service of face recognition integrated machine. setting important parameters of this interface will reconnect face recognition integrated machine and MQTT server.

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator		GetMQTTParam / SetMQTTParam	GetMQTTParam: 获取 MQTT 参数 GetMQTTParam: get MQTT parameter SetMQTTParam: 设置 MQTT 参数 SetMQTTParam: set MQTT parameter
info			具体内容 concrete content
MQEnable	int (optional)	0~1	开启/关闭 MQTT 服务 Turn MQTT service on/off 0: 关闭 0: closed 1: 开启 1: open
MQCloudID	String (optional)		MQTT 闸机云 ID 号 MQTT gate cloud ID number 推荐使用本机 ID(1300001) It is recommended to use the native ID(1300001)
MQAddr	String (optional)		MQTT 云地址 MQTT cloud address
MQPort	int (optional)		MQTT 云端口 MQTT cloud port
MQUser	String (optional)		MQTT 云端用户名 MQTT cloud user name

MQPwd	String (optional)		MQTT 云端密码 MQTT cloud password
MQTopic	String (optional)		MQTT 云端 Topic MQTT cloud Topic
StrangerUploadType	int (optional)	0~1	陌生人抓拍信息上传 (默认:0) Upload the information captured by strangers (default: 0) 0: 上传 0: upload 1: 不上传 1: do not upload
RecordUploadType	int (optional)	0~2	认证识别信息上传 (默认:1) Upload authentication identification information (default: 1) 0:不上传 0: do not upload 1:识别记录上传带抓拍图片 1. identification record upload with snap pictures 2:识别记录上传不抓拍带图片 2. Do not take pictures when uploading identification records
Direction	int (optional)	0~2	一体机进出口方向 Import and export direction of integrated machine 0:进口 0: import 1:出口

			<p>1: exit 2:无方向 2. No direction</p>
QRCode	int (optional)	0~1	<p>二维码扫码结果上传 (默认:0) Upload QR code scanning result (default: 0)</p> <p>0: 不上传 0: do not upload</p> <p>1: 上传 1: upload</p>
ResumefromBreakpoint	int (optional)	0~1	<p>MQTT 陌生人抓拍信息和识别记录是否开启 断点续传 (开启陌生人抓拍上传或者识别记录上传模式下) ,0:不开启 1:开启。不开启断点续传功能, 只保证推送数据, 不需要平台(云服务器)返回。开启功能, 则推送的陌生人抓拍信息和认证信息需要服务器返回 (具体见 MQTT 协议 9.7 断网续传说明), Whether MQTT stranger capture information and identification records are enabled for breakpoint retransmission (in the mode of uploading stranger capture or identification records), 0: not enabled, 1: enabled. Do not turn on the breakpoint continuous transmission function, only guarantee the</p>

			<p>push of data, and do not need the platform (cloud server) to return. When the function is turned on, the pushed stranger snapshot information and authentication information need to be returned by the server (see MQTT Protocol 9.7 description of disconnection and continuous transmission),</p> <p>10 秒后一体机未接收到服务器正确数据包，则继续推送这条信息。 After 10 seconds, if the all-in-one machine does not receive the correct data packet from the server, it will continue to push this message.</p>
BeginTime	String (optional)	YYYY-MM-DDThh:mm:ss	<p>MQTT 断点续传默认起始时间，可以不填写。默认为设置陌生人抓拍上传或者识别记录上传以及开启断点续传功能的时间。当断点之前的陌生人抓拍和认证记录信息推送完成的情况下，此时间会变为完成断点续传推送的时间。e.g., 2020-05-25T09:10:00 The default start time of MQTT breakpoint continuation can be left blank. The default is to set the time for uploading</p>

			<p>strangers' snap shots or identification records, and opening the breakpoint resume function. When the strangers before the breakpoint are snapped and the authentication record information is pushed, this time will become the time to complete the breakpoint transmission and push. e.g.,</p> <p>2020-05-25T09:10:00</p>
--	--	--	---

3.31.1 获取 MQTT 参数

3.31.1 Get MQTT parameters

Operator: **GetMQTTParam**

URI:`http://<server ipaddr>/action/GetMQTTParam`

e. g. ,

`http://192.168.2.10/action/GetMQTTParam`

回复 body

Reply to body

```
{
  "operator": "GetMQTTParam",
  "info": {
    "MQEnable": 1,
    "MQAddr": "172.168.2.89",
    "MQPort": 61613,
    "MQUser": "admin",
  }
}
```

```
"MQPwd": "password",
"MQTopic": "mqtt/face/1306612",
"MQCloudID": "1306612",
"StrangerUploadType": 1,
"RecordUploadType": 0,
"Direction": 0,
"QRCode": 0,
"ResumefromBreakpoint": 0,
"BeginTime": "2020-05-20T16:34:28"
}
}
```

3.31.2 设置 MQTT 参数

3.31.2 Setting MQTT parameters

Operator: SetMQTTParam

URI:<http://<server ipaddr>/action/SetMQTTParam>

e.g.,

<http://192.168.2.10/action/SetMQTTParam>

下发 body

Issue body

```
{
  "operator": "SetMQTTParam",
```

```

"info": {
    "StrangerUploadType": 0,
    "RecordUploadType": 1
}

```

3.32 手动推送控制记录

3.32 Manual Push Control Record

手动推送控制记录接口主要是解决由于 HTTP 服务器端的原因 [3.12.4 认证结果上报](#) 接口上报的控制记录丢失，手动再次通过接口设置，一体机再次主动上传时间段内的认证结果至服务器。本接口需要 [3.12 数据订阅](#) 部分设置的订阅地址和端口设置正确以及开启了认证结果上报订阅。本接口是强制性推送搜索到的控制记录，不管是否采用断网续传模式对本接口无影响，本接口上传的控制记录不需要服务器回复，同时需要注意本接口上报的数据有可能因为同一条记录在之前已经上报过服务器造成的服务器同一条数据保存多次。

Manually pushing the control record interface is mainly to solve the problem of HTTP server [3.12.4 Reporting of certification results](#) The control record reported by the interface is lost, which is manually set through the interface again, and the all-in-one machine actively uploads the authentication results within the time period to the server again. This interface requires [3.12 Data Subscription](#) Part of the subscription address and port settings are correct, and authentication result reporting subscription is enabled. This interface is a control record that is forced to be pushed and searched. No matter whether the mode of network disconnection and continuous transmission is adopted or not, the interface will not be affected. The control records uploaded by this interface do not need the server's reply, At the same time, it should be noted that the data reported by this interface may be saved multiple times because the same record has been reported to the server before.

参数信息(注:optional 为可选项)

Parameter information (note: optional is optional)

Key	Type	Values	Description
operator		ManualPushRecords	ManualPushRecords:手动推送 控制记录 Manual push records: push control records manually

info			具体内容 concrete content
DeviceID	int		设备 ID Device ID
TimeS	string	YYYY-MM- DDThh:mm:ss	需要推送的控制记录起始时间。e.g., 2020-07- 29T21:50:05 Start time of control record to be pushed.e.g., 2020-07- 29T21:50:05
TimeE	string	YYYY-MM- DDThh:mm:ss	需要推送的控制记录结束时间。e.g., 2020-07- 29T21:50:05 The end time of the control record to be pushed.e.g., 2020-07-29T21:50:05
Name	string (optional)		匹配准确名字的控制记录(预留) Control record matching exact name (reserved)
RecordNum	int (optional)		匹配的控制记录总数（返回值），0:未搜索到匹配数据 Total number of control records matched (return value), 0: no matching data was found

3.32.1 设置手动推送控制记录

3.32.1 Set manual push control records

Operator: ManualPushRecords

URI:**http://<server ipaddr>/action/ManualPushRecords**

e.g.,

http://192.168.2.10/action/ManualPushRecords

下发 body

Issue body

```
{  
  "operator": "ManualPushRecords",  
  "info": {  
    "DeviceID":1326491,  
    "TimeS": "2020-07-28T9:00:00",  
    "TimeE": "2020-08-07T9:00:00"  
  }  
}
```

回复 body

Reply to body

```
{  
  "operator": "ManualPushRecords",  
  "code": 200,  
  "info": {  
    "Result": "Ok",  
  }  
}
```

```

    "RecordNum": "8",
    "Confirm connection to HTTP server is Ok ? Find 8 records, try to push now"
}
}

```

3.33 WiFi 参数

3.33 WiFi parameters

WiFi 参数主要涉及设备的 WiFi 参数设置，需要配合 [3.4 网络参数](#) 中的默认路由使用，支持 WiFi 机型的设备型号和版本才有此项参数。

WiFi parameters mainly involve the WiFi parameter setting of the device, which needs to be coordinated [3.4 network parameters](#) The default route in is used.

Only the device model and version that supports WiFi models have this parameter.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetNetWiFi or SetNetWiFi	GetNetWiFi: 获取 WiFi 参数 Getnetwifi: get WiFi parameters SetNetWiFi: 设置 WiFi 参数 Setnetwifi: setting WiFi parameters
info	json object		具体内容 concrete content
Enable	int (optional)		WiFi 启用 WiFi enabled

			0: 不启用 0: not enabled 1: 启用 1: Enable
WorkMode	int	默认: 0 Default: 0	工作模式 Working mode 0:Sta 模式 0: sta mode
SecurityMode	int	0~2	安全模式 safe mode 0: 无加密 0: no encryption 1: WPA-PSK/WPA2-PSK 2: WPA/WPA2
SSID	String		SSID(最长 32 字节) SSID (up to 32 bytes)
PassWord	String		密码(最长 128 字节) Password (up to 128 bytes)
DHCP	int	0~1	DHCP 启用 DHCP enabled 0: 不启用 0: not enabled 1: 启用 1: Enable
IPAddr	char (optional)		设备 ip 地址(最长 16 字节), 当 DHCP=0 时必填 Device IP address (maximum 16 bytes), required when DHCP = 0

NetMask	char (optional)		设备 ip 子网掩码(最长 16 字节), 当 DHCP=0 时必填 Device IP subnet mask (maximum 16 bytes), required when DHCP = 0
GateWay	char (optional)		设备 ip 网关(最长 16 字节), 当 DHCP=0 时必填 Device IP gateway (maximum 16 bytes), required when DHCP = 0
DNS1	char (optional)		DNS1
DNS2	char (optional)		DNS2

3.33.1 获取 WiFi 参数

3.33.1 Get WiFi parameters

Operator: **GetNetWiFi**

URI:`http://<server ipaddr>/action/GetNetWiFi`

e.g.,

`http://192.168.2.10/action/GetNetWiFi`

回复的 body

Reply body

```
{  
    "operator": "GetNetWiFi",  
    "info": {  
        "Enable": 1,  
        "WorkMode": 0,  
        "DHCP": 1,  
        "SecurityMode": 1,  
        "SSID": "TP-LINK_4755",  
        "PassWord": "testpassword",  
        "IPAddr": "192.168.1.104",  
        "NetMask": "255.255.255.0",  
        "GateWay": "0.0.0.0",  
        "DNS1": "202.96.134.33",  
        "DNS2": "202.96.134.33"  
    }  
}
```

3.33.2 设置 WiFi 参数

3.33.2 Setting WiFi parameters

Operator: **SetNetWiFi**

URI:<http://<server ipaddr>/action/SetNetWiFi>

e.g.,

<http://192.168.2.10/action/SetNetWiFi>

下发的 body

Issued body

```
{  
    "operator": "SetNetWiFi",  
    "info": {  
        "Enable": 1,  
        "WorkMode": 0,  
        "DHCP": 1,  
        "SecurityMode": 1,  
        "SSID": "TP-LINK_4755",  
        "PassWord": "testpassword",  
        "IPAddr": "192.168.1.119",  
        "NetMask": "255.255.255.0",  
        "GateWay": "192.168.1.0",  
        "DNS1": "202.96.134.33",  
        "DNS2": "202.96.134.33"  
    }  
}
```

3.34 人脸识别参数

3.34 face recognition parameters

人脸识别参数主要是涉及到人脸识别一体机的识别参数。主要是可以通过接口修改识别距离(对应最小人脸像素)。人脸检测区域的 X、Y 值代表视频画面检测区域的起始位置，人脸检测区域宽度、高度代表基于 X、Y 所检测的视频画面的宽度和高度。人脸检测宽度、高度需要配合人脸检测区域的 X、Y 值使用，当 X>0 时，人脸检测宽度应该小于 (人脸检测宽度**最大值**-X)。**一般只需要改动识别距离 (对应人脸最小像素)**，**其他参数不需要重新改动**。

Face recognition parameters are mainly related to the recognition parameters of face recognition integrated machine. Mainly, the recognition distance (corresponding to the minimum face pixel) can be modified through the interface. The x and y values of face detection area represent the starting position of video image detection area, and the width and height of face detection area represent the width and height of video image detected based on x and y. The width and height of face detection need to match the X and Y values of face detection area. When X>0, the width of face detection should be less than (the

maximum width of face detection -X). Generally, only the recognition distance (corresponding to the minimum pixel of face) needs to be changed, and other parameters do not need to be changed again.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetFaceParam or SetFaceParam	GetFaceParam: 获取人脸 识别参数 GetFaceParam: get face recognition parameters SetFaceParam: 设置人脸 识别参数 SetFaceParam: set face recognition parameters
recDistance	Int	30~200(单位:cm) 30~200 (unit: cm)	识别距离(cm) Recognition distance (cm)
faceMinPixel	Int	0~960	人脸最小像素(弃用, 使用识别距离代替) Minimum pixel of face (deprecated, replaced by recognition distance)
detectArea_x	Int	0~960 (默认 0) 0~960 (default 0)	人脸检测区域 X 起始点 (偶数) Start point of face detection area x (even number)
detectArea_y	Int	0~1280 (默认 0) 0~1280 (default 0)	人脸检测区域 Y 起始点 (偶数) Y starting point of face detection area (even number)
detectArea_w	Int	0~960 (默认 960) 0~960 (default 960)	人脸检测区域宽度 (偶数) Width of face detection area (even number)
detectArea_h	Int	0~1280 (默认 1280) 0~1280 (default 1280)	人脸检测区域高度 (偶数) Height of face detection area

			(even number)
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3.34.1 获取人脸识别参数

3.34.1 Get face recognition parameters

Operator: **GetFaceParam**

URI:**http://<server ipaddr>/action/GetFaceParam**

e.g.,

http://192.168.2.10/action/GetFaceParam

回复的 body

Reply body

```
{  
    "operator": "GetFaceParam",  
    "info": {  
        "recDistance": "200",  
        "faceMinPixel": "122",  
        "detectArea_x": 0,  
        "detectArea_y": 0,  
        "detectArea_w": 960,  
        "detectArea_h": "1280"  
    }  
}
```

3.34.2 设置人脸识别参数

3.34.2 Setting face recognition parameters

Operator: SetFaceParam

URI:**http://<server ipaddr>/action/SetFaceParam**

e.g.,

http://192.168.2.10/action/SetFaceParam

下发的 body

Issued body

```
{  
    "operator": "SetFaceParam",  
    "info": {  
        "recDistance": "100",  
        "detectArea_x": 0,  
        "detectArea_y": 0,  
        "detectArea_w": 960,  
        "detectArea_h": "1280"  
    }  
}
```

3.35 RTSP 参数

3.35 RTSP parameters

RTSP 参数主要是设置设备的 RTSP 运行参数，设置 RTSP 参数成功**设备将重启**，目前此接口指在部分机型支持。

RTSP parameters are mainly used to set RTSP operation parameters of equipment. If RTSP parameters are set successfully, the equipment will restart. At present, this interface is supported by some models.

参数信息(注:optional 为可选项):

Parameter information (Note: optional is optional)

Key	Type	Values	Description
operator	char	GetRTSPCfg or SetRTSPCfg	GetRTSPCfg: 获取 RTSP 参数 GetRTSPCfg: get RTSP parameters SetRTSPCfg: 设置 RTSP 参数 SetRTSPCfg: set RTSP parameters
info	json object		具体内容 concrete content
OpenVerify	Int	0~1	是否启用 RTSP 服务 Enable RTSP service 0: 不启用 0: not enabled 1: 启用 1: Enable
PackSize	Int	1~1500 (默认:1500) (Default: 1500)	打包大小 byte Package size byte
RTSPPort	Int		RTSP 端口 RTSP port
OpenVerify	Int	0~1	是否启用 RTSP 服务 Enable RTSP service

			0: 不启用 0: not enabled 1: 启用 1: Enable
PackSize	Int	1~1500 (默认:1500) (Default: 1500)	打包大小 byte Package size byte
RTSPPort	Int		RTSP 端口 RTSP port

3.35.1 获取 RTSP 参数

3.35.1 Get RTSP parameters

Operator: **GetRTSPCfg**

URI:**http://<server ipaddr>/action/GetRTSPCfg**

e.g.,

http://192.168.2.10/action/GetRTSPCfg

回复的 body

Reply body

```
{
  "operator": "GetRTSPCfg",
  "info": {
    "OpenVerify": 0,
    "PackSize": 1500,
```

```
    "RTSPPort": 554  
}  
}
```

3.35.2 设置 RTSP 参数

3.35.2 Setting RTSP parameters

Operator: **SetRTSPCfg**

URI:**http://<server ipaddr>/action/SetRTSPCfg**

e.g.,

http://192.168.2.10/action/SetRTSPCfg

下发的 body

Issued body

```
{  
    "operator": "SetRTSPCfg",  
    "DeviceID": 1478428,  
    "info": {  
        "OpenVerify": 1,  
        "PackSize": 1500,  
        "RTSPPort": 554  
    }  
}
```

附录 A:修订历史

Appendix A: Revision History

日期 date	作者 author	版本号 version number	更改记录 Change record
2018-03-25	LiangSY	1.0	方案初稿 Draft scheme

2018-04-03	LiangSY	1.1	<p>1.修正文档的一些错误。</p> <p>1. Fix some errors in the document.</p> <p>2.修正 3.3 设置用户名、密码 key 的问题。</p> <p>2. Amendment 3.3 setting user name and password Key.</p> <p>2.修改 3.2.1 获取开门条件设置参数的回复内容。</p> <p>2. Modification 3.2.1 obtain the setting parameters of door opening conditions The content of the reply.</p> <p>3.修改 3.2.2 设置开门条件参数。</p> <p>3. Modification 3.2.2 setting door opening condition parameters</p> <p>4.修改 3.6 NTP 参数中的时区参数。</p> <p>4. Modification 3.6 NTP parameters Time zone parameter in.</p> <p>5.增加 3.9.2 设置设备信息项。</p> <p>5. Increase 3.9.2 Set the equipment information Item.</p> <p>6.修正 3.2.开门条件参数。</p> <p>6. Amendment 3.2. Door opening conditions Parameter.</p> <p>7.修正 3.3 设置用户名、密码, 3.7 中心连接, 3.9 设备信息, 3.10 名单的添加、编辑修改, 3.12 数据订阅, 中的字符长度设置。</p> <p>7. Amendment 3.3 setting user name and password , 3.7 central connection 3.9 Equipment Information 3.10 Add, edit and modify the list 3.12 Data Subscription , the character length setting in.</p>
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			<p>8.修正 3.10 名单的添加、编辑修改 和 3.12.4 认证结果上报中的 韦根卡号生成方式 定义。</p> <p>8. Amendment 3.10 Add, edit and modify the list and 3.12.4 Reporting of certification results The definition of the generating mode of the Wegener card number in.</p>
2018-04-12	LiangSY	1.2	<p>1.修正文档的一些错误。</p> <p>1. Fix some errors in the document.</p> <p>2.增加附录 B:认证失败或设置接口的消息回复。</p> <p>2. Increase Appendix B: Message reply of authentication failure or setting interface</p> <p>3.修改 3.12.3 实时抓拍上报和 3.12.4 认证结果上报的例子。</p> <p>3. Modification 3.12.3 real time capture and report and 3.12.4 Reporting of certification results For example.</p> <p>4.对 info 内 key 统一首字母大写。</p> <p>4. The key in info should be capitalized uniformly.</p> <p>5.修改 3.14 订阅的心跳中的例子</p> <p>5. Modification 3.14 Subscription heartbeat Examples in</p>
2018-05-04	LiangSY	1.3	<p>1.修改 3.12.4 认证结果上报的推送的消息及对应的例子， 增加 PersonID 的上报。</p> <p>1. Modification 3.12.4 Reporting of certification results Add the report of personid.</p>

2018-05-13	XuLS	1.3	<p>增加人脸抓拍比对服务器相关接口。 Add the relevant interface of face capture comparison server.</p> <p>3.15. 接入摄像机参数 3.15. Access camera parameters</p> <p>3.16. 人脸抓拍比对服务器参数 3.16. Face capture comparison server parameters</p> <p>3.17. 人员类型参数 3.17. Personnel type parameter</p> <p>3.18. 人脸服务功能 3.18. Face service function</p>
2018-06-21	WangXY	1.3	<p>增加名单搜索查询接口 Add list search query interface</p> <p>3.19. 名单搜索查询 3.19. List search query</p>
2018-06-26	LiangSY	1.4	<p>1. 对人脸抓拍比对服务器相关接口一些参数进行修正 1. Modify some parameters of relevant interface of face capture comparison server</p> <p>2. 对名单搜索查询接口一些参数进行修正 2. Modify some parameters of the list search query interface</p> <p>3. 增加 3.12.5 查询已订阅的信息 3. Increase 3.12.5 query subscribed information</p> <p>4. 增加 3.20 开门控制 4. Increase 3.20 Open Door Control</p>

2018-07-05	XuLS	1.5	<p>1.修改 3.2 开门条件, 增加开门方式 1. Modification 3.2 door opening conditions , add door opening mode</p> <p>2.修改 3.10.2 名单编辑修改、3.11.名单删除、3.19.1 单个名单查询、3.19.3 多个名单查询, 增加设备数据库 LibID 的操作方式 2. Modification 3.10.2 list editing and modification 、 3.11. Deletion of list 3.19.1 Query of a single list 3.19.3 Query of multiple lists To increase the operation mode of libid of equipment database</p>
2018-07-05	ChenCH	1.5	<p>1.增加 附录 C:具体功能接口的抓包 1. Increase Appendix C: Capture of Specific Functional Interface</p>
2018-07-09	XuLS	1.6	<p>1.修改 3.1 声音设置 1. Modify 3.1 sound settings</p>

2018-07-11	WangXY	1.7	<p>1. 修改、3.19.1 单个名单查询、3.19.3 多个名单查询，回复的信息增加 UUID 字段 Modification 3.19.1 Query of a single list</p> <p>3.19.3 Query of multiple lists , the UUID field is added to the reply information</p> <p>2. 修改 3.10.1 单个名单添加、3.10.2 名单编辑修改、3.11.名单删除，下发信息增加 UUID 字段 modify 3.10.1 Adding a single list 3.10.2 list editing and modification 3.11. Deletion of list Add UUID field for distributed information</p> <p>3. 修改 3.12 数据订阅，增加 Topics 的 Value 类型，控制订阅的图片信息传递 modify 3.12 Data Subscription , increase the Value type of Topics, and control the transmission of subscribed picture information</p>
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2018-07-16	WangXY	1.7	<p>1. 修改 3.12 数据订阅, 增加二维码订阅功能 modify 3.12 Data Subscription , add QR code subscription function</p> <p>2. 增加 3.12.5 二维码上报 increase 3.12.5 QR code reporting</p> <p>3. 修改 3.13 取消订阅, 增加二维码取消订阅功能 modify 3.13 unsubscribe , add QR code unsubscribe function</p> <p>4. 修改 3.12.6 查询已订阅消息, 增加 Topics 的 Value 类型, 控制订阅的图片信息传送和二维码订阅查询 modify 3.12.6 Query the subscribed messages , increase the Value type of Topics, control the subscription of picture information transmission and QR code subscription query</p>
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2018-07-31	XuLS	1.7	<p>1. 修改 3.2 开门条件,增加开门方式字段:OpendoorWay, 控制开门方式 modify 3.2 door opening conditions , add the door opening mode field: OpendoorWay to control the door opening mode</p> <p>2. 修改 3.10 名单的添加、编辑修改, 增加 X 通道的通行权限(人脸多路服务器)ChannelAuthorityX 字段 modify 3.10 Add, edit and modify the list , and increase the ChannelAuthorityX field of X channel (face multiplex server)</p> <p>3. 修改 3.12.4 认证结果上报, 增加人员通道号 AccessChannel 字段(人脸多路服务器使用) modify 3.12.4 Reporting of certification results , add personnel channel number AccessChannel field (used by face multiplex server)</p> <p>4. 修改 3.12.3 实时抓拍上报, 增加抓拍人脸图片类型 PictureType 字段 modify 3.12.3 real time capture and report , add the PictureType field of the captured face picture type</p>
2018-11-16	LiangSY	1.8	<p>1.针对门禁机增加人员名单的相关参数 1. add relevant parameters of personnel list for access control machine</p> <p>2.针对门禁机增加 3.21 密码操作 2. For the increase of access machines 3.21 password operation</p>

2018-11-19	WangXY	1.9	<p>1. 修改 3.15 接入摄像机参数, 使用 json 数组的形式代替原本下标的表示方式 modify 3.15 Access camera parameters , using json array instead of the original subscript representation</p> <p>2. 修改 3.17 人员类型参数, 使用 json 数组的形式代替原本下标的表示方式 modify 3.17 Personnel Type Parameters , using json array instead of the original subscript representation</p> <p>3. 增加 3.22 控制记录查询 increase 3.22 control record inquiry</p>
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2019-01-21	WangXY	1.10	<p>1.修改 3.12.1 推送的信息不需认证、3.12.2 订阅时提供用户名密码，上交需要进行认证, 增加门禁机的刷卡认证和密码认证订阅</p> <p>1. Modification 3.12.1 The pushed information does not need authentication 3.12.2 The user name and password shall be provided when subscribing, and authentication shall be required when submitting. , increase the access card authentication and password authentication subscription</p> <p>2.3.12.6 查询已订阅的信息，修改成 3.12.7 查询已订阅的信息，并增加门禁机的刷卡认证和密码的取消认证订阅</p> <p>2.3.12.6 queries the subscribed information and modifies it to 3.12.7 Query the subscribed information , and increase the card authentication of the access machine and the cancellation of the password authentication subscription</p> <p>3 . 增加 3.12.6 IC 卡号认证结果上报(门禁机)和 3.12.7 密码认证结果上报(门禁机)</p> <p>3. Increase 3.12.6 Report the certification result of IC card number (access control machine) and 3.12.7 Report the result of password authentication (access control machine)</p>
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2019-03-8	LaiWS	1.11	<p>1. 用 optional 标明哪些字段是否可选的, 下发信息中如未标明 optional 则为必填项 Indicate which fields are optional with optional. If optional is not indicated in the distributed information, it is required.</p> <p>2. 将 info 字段的类型由 char 改为 json object, 以及纠正其他不规范的类型, 对部分字符串类型做了下长度的说明 Change the type of info field from char to json object, and correct other irregular types, and explain the length of some string types</p> <p>3. 增加 3.23.1 获取常用设置参数 和 3.23.2 设置常用参数 increase 3.23.1 Get common setting parameters and 3.23.2 Setting common parameters</p> <p>4. 修改 3.15 接入摄像机参数 中下发 body 的 ConInfo 字段改为和回复 body 中字段 IPC_Info 一致, 3.17 人员类型 中下发 body 的 ConInfo 字段改为和回复 body 中字段 WorkTypeInfo 一致 modify 3.15 Access camera parameters The ConInfo field of the body issued in is changed to be consistent with the IPC_Info field in the reply body, 3.17 Personnel Type The ConInfo field of the distributed body in is changed to be consistent with the WorkTypeInfo field in the reply body</p>
2019-04-03	LaiWS	1.12	<p>1.增加 3.10.2 多个名单的添加 1. Increase 3.10.2 Addition of multiple lists</p>
2019-09-10	LaiWS	1.13	<p>1.增加 3.24 重启设备 1. Increase 3.24 Restart the equipment</p>

2019-09-26	CaiFF	1.14	<p>1.修改 3.12.3 实时抓拍推送为 3.12.3 陌生人抓拍上报 1. modify 3.12.3 real-time snap push to 3.12.3 The stranger snapped the report.</p> <p>2.修改 3.18.2 图片比较相似度 2. Modify 3.18.2 Picture Comparison Similarity 为 3.25.1 图片比较相似度 for 3.25.1 Comparison of Similarity of Pictures</p> <p>3.修改 3.18.4 以图搜索本地人脸库为 3.25.2 以图搜索本地人脸库 3. Modify 3.18.4 to search the local face database as follows 3.25.2 Search the local face database with an image</p> <p>4.修改 3.18.3 特征码比较相似度为 3.18.2 特征码比较相似度 4. Modify the 3.18.3 feature code comparison similarity as follows 3.18.2 Comparison of Similarity of Feature Codes</p> <p>5.修改 3.18.5 获取人脸图片为 3.18.3 获取人脸图片 5. Modify 3.18.5 to obtain face pictures as follows 3.18.3 Get face pictures</p> <p>6.增加 3.25.3 检测图片人脸 6. Increase 3.25.3 detect the face in the picture</p>
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2019-10-22	CaiFF	1.15	<p>1、3.10.1 单个名单添加 3.10.2 多个名单添加增加图片校验字段 1、 3.10.1 Adding a single list 3.10.2 Adding multiple lists Add picture check field</p> <p>2、3.10.1 单个名单添加 3.10.3 名单编辑修改 返回信息提示修改 2、 3.10.1 Adding a single list 3.10.3 Edit and modify the list Return information to prompt modification</p> <p>3、3.19 名单搜索查询添加临时名单 3 的有效次数字段说明 3、 3.19 List Search Query Add the description of the effective times field of temporary list 3</p>
2019-11-05	LaiWS	1.16	<p>1、3.12.6 身份证信息上报增加身份证 3.12.6 Reporting of ID card information Add id card</p>

2019-11-05	CaiFF	1.16	<p>1、3.12 数据订阅增加断点续传功能 3.12 Data Subscription Add breakpoint continuous transmission function</p> <p>2、3.12.1 推送的信息不需认证 3.12.2 订阅时提供用户名密码, 上交需要进行认证增加断点续传关键字 3.12.1 The pushed information does not need authentication 3.12.2 The user name and password shall be provided when subscribing, and authentication shall be required when submitting. Add breakpoint continuation keyword</p> <p>3、3.12.3 陌生人抓拍上报 3.12.4 认证结果上报增加 Sendintime 是否及时推送关键字 3.12.3 The stranger snapped the report. 3.12.4 Reporting of certification results Add sendintime to push keywords in time</p> <p>4、3.12.9 查询已订阅的信息增加断点续传和断点续传时间关键字返回 3.12.9 Query the subscribed information Add breakpoint resume and breakpoint resume time keyword return</p>
2019-11-19	LiangSY	1.17	<p>1. 3.12 数据订阅增加订阅的心跳间隔时间设置 1. 3.12 Data Subscription Increase the heartbeat interval setting for the subscription</p>

2019-11-29	CaiFF	1.18	<p>1. 3.10 名单的添加、编辑修改 下发名单图片支持 URI,兼容 base64 编码 3.10 Add, edit and modify the list The distribution list image supports URI and is compatible with Base64 encoding , 以及增加 URI 获取图片示例 , and adding a URI to get an image example</p>
2019-12-04	Chench	1.19	<p>1、2.4 身份认证 增加 postman 认证截图。 2.4 identity authentication Add postman authentication screenshot.</p> <p>2. 3.20 开门控制 status 控制是否开门；增加 msg 字段，用于提示信息；(兼容之前的开门方式) 2. three point two zero Door opening control Status controls whether the door is opened;Add MSG field to prompt information (Compatible with the previous door opening mode)</p> <p>3、修改更新附录 C:具体功能接口的抓包 截图。 3. Modification and update Appendix C: Capture of Specific Functional Interface Screenshot.</p>
2019-12-13	CaiFF	1.20	<p>1. 修改 3.11 名单删除 为 3.11.1 单个或多个名单删除 Modify 3.11 and delete the list as 3.11.1 Delete single or multiple lists</p> <p>2. 增加 3.11.2 所有人员名单删除 increase 3.11.2 Delete all personnel lists</p>

2019-12-25	CaiFF	1.21	<p>1.修改 3.1 声音设置,增加字段 1. Modification 3.1 sound settings , add field</p> <p>2.修改 3.2 开门条件,增加字段 2. Modification 3.2 door opening conditions , add field</p> <p>3.修改 3.11.2 所有人员名单删除 接口 3. Modification 3.11.2 all personnel list deletion interface</p> <p>4.修改 3.12 数据订阅, 增加字段 4. Modification 3.12 data subscription , add field</p> <p>5.3.10 名单的添加、编辑修改, 增加不同卡号处理方式, 修改示例 5. 3.10 Add, edit and modify the list , add different card number processing methods, and modify the example</p>
2019-12-28	CaiFF	1.21	<p>1.增加 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号 1. Increase 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p>
2020-01-03	CaiFF	1.21	<p>1.修改 2.4 身份认证说明 1. Modification 2.4 identity authentication explain</p>
2020-01-13	CaiFF	1.22	<p>1.增加 3.22.1 控制记录总数查询 1. Increase 3.22.1 Query on the total number of control records</p> <p>2.增加 3.26 抓拍记录查询 2. Increase 3.26 capture record query</p>
2020-01-16	CaiFF	1.22	<p>1. 3.22 控制记录查询增加 HHTP 远程开门控制记录查询返回 3.22 control record inquiry Add hhttp remote door opening control record query return</p>

2020-02-18	CaiFF	1.22	<p>1.3.22.2 控制记录人员信息查询和3.12.4 认证结果上报增加验证类型 1. 3.22.2 Information inquiry of control record personnel and 3.12.4 Reporting of certification results Add validation type</p> <p>2. 修改3.11.1 单个或多个名单删除 TotalNum 字段说明 modify 3.11.1 Delete single or multiple lists Description of totalnum field</p>
2020-02-29	CaiFF	1.22	<p>1.3.12.3 陌生人抓拍上报增加温度上报等字段 3.12.3 The stranger snapped the report. Add fields such as temperature report</p> <p>2.3.12.4 认证结果上报增加温度上报等字段 2. 3.12.4 Reporting of certification results Add fields such as temperature report</p> <p>3.增加3.27 温度参数 3. Increase 3.27 temperature parameters</p>
2020-03-03	CaiFF	1.23	<p>1.修改3.27 温度参数口罩温度检测模式 1. Modification 3.27 temperature parameters Mask temperature detection mode</p>

2020-03-07	CaiFF	1.24	<p>1.增加 3.27 温度参数 Distance 字段 1. Increase 3.27 temperature parameters Distance field</p> <p>2.3.22.2 控制记录人员信息查询增加温度等 字段 3.22.2 Information inquiry of control record personnel Add fields such as temperature</p> <p>3.3.26.2 抓拍记录人员信息查询增加温度等 字段 3. 3.26.2 Inquire about the personnel information of the snap record Add fields such as temperature</p>
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2020-03-21	CaiFF	1.25	<p>1. 3.22.2 控制记录人员信息查询修改验证类型说明 3.22.2 Information inquiry of control record personnel Modify validation type description</p> <p>2. 3.12.4 认证结果上报修改验证类型说明 3.12.4 Reporting of certification results Modify validation type description</p> <p>3. 3.2 开门条件修改验证类型说明 4. 3.27 温度参数取消 FaceMaskTPTMode 设置 3.2 door opening conditions Modify verification type description 4 3.27 temperature parameters Cancel facemask tptmode setting</p> <p>5.增加 C.12.4.1 采用断网续传服务器回复数据包 5. Increase C.12.4.1 reply to the data packet by using the disconnected continuous transmission server</p>
2020-05-07	CaiFF	1.26	<p>1.增加 3.28 握手协议数据 1. Increase 3.28 handshake protocol data</p>
2020-05-08	CaiFF	1.27	<p>1. 增加 3.29 版本升级 increase Version 3.29 upgrade</p> <p>2. 3.22 控制记录查询和 3.26 抓拍记录查询增加升序/降序结果返回 3.22 control record query and 3.26 capture record query Increase ascending / descending results return</p>

2020-05-14	CaiFF	1.27	<p>1. 修改 3.10.5 韦根门禁卡号和内置刷卡 ID 卡号 modify 3.10.5 Wigan Access Control Card Number and Built-in Card ID Card Number</p> <p>2. 增加 3.30 系统参数 increase 3.30 system parameters</p> <p>3.增加 RFCardMode 区分内置刷卡机型 ID 卡号添加模式 3. Add rfcardmode to distinguish the ID card number adding mode of the built-in swipe card model</p>
2020-05-25	CaiFF	1.27	<p>1.增加 3.31 MQTT 参数 1. Increase 3.31 MQTT parameters</p>
2020-05-28	CaiFF	1.28	<p>1.增加 3.2.3 开门方式简介 1. Increase 3.2.3 introduction of door opening mode</p>
2020-06-09	CaiFF	1.28	<p>1.增加 C.10.1.1 单个名单添加错误码 1. Increase C. 10.1.1 add error code to single list</p>
2020-07-27	CaiFF	1.29	<p>1. 修改 3.1 声音设置,增加比对成功显示字段 modify 3.1 sound settings , add the comparison success display field</p> <p>2. 修改 3.2 开门条件,增加验证复位时间 modify 3.2 door opening conditions To increase the verification reset time</p> <p>3. 修改 3.27 温度参数 modify 3.27 temperature parameters</p> <p>4. 修改 3.23 常用配置设置,增加出入口方向 modify 3.23 common configuration settings , increase the direction of entrance and exit</p> <p>5. 修改 3.4 网络参数增加 DHCP modify 3.4 network parameters Add DHCP</p>

2020-07-29	CaiFF	1.30	1.增加 3.32 手动推送控制记录 1. Increase 3.32 Manual Push Control Record
2020-09-26	CaiFF	1.31	1.修改 3.19.2 查询名单总数 , 增加设备支持最大名单数 1. Modification 3.19.2 Total number of enquiry lists , increase the maximum number of lists supported by the device
2020-10-21	CaiFF	1.31	1.修改 3.4 网络参数 1. Modification 3.4 network parameters 2.增加附录 D D.1 民族 , 并修改文档中存在民族的释义 2. Add appendix D D.1 Ethnic groups And modify the definition of nationality in the document 3.修改 3.12.4 认证结果上报 , 增加推送类型 3. Modification 3.12.4 Reporting of certification results , add push type
2020-11-05	CaiFF	1.32	1.修改 3.1 声音设置 , 增加字段 1. Modification 3.1 sound settings , add field 2.修改 3.2 开门条件 , 增加字段 2. Modification 3.2 door opening conditions , add field 3.增加 3.34 人脸识别参数 3. Increase 3.34 face recognition parameters
2020-11-25	CaiFF	1.33	1.增加 3.25.4 获取抓拍全景图 1. Increase 3.25.4 capture panorama
2020-12-05	CaiFF	1.33	1.修改 3.25.4 获取抓拍全景图为 3.25.4 手动抓拍 1. Modification 3.25.4 capture panorama for 3.25.4 Manual snapshot

2021-01-07	CaiFF	1.34	1.增加 3.10.6 名单批量添加或修改 1. Increase 3.10.6 Add or modify the list in batches
2021-01-12	CaiFF	1.35	1.修改 3.12.4 认证结果上报 , 增加国康码数据定义说明 1. Modification 3.12.4 Reporting of certification results Add the description of data definition of national health code
2021-03-25	CaiFF	1.36	1.修改 3.27 温度参数 1. Modification 3.27 temperature parameters
2021-05-20	CaiFF	1.36	1.增加 3.35RTSP 参数 1. Increase 3.35rtsp parameters

附录 B:认证失败或设置接口的消息回复

Appendix B: Message reply of authentication failure or setting interface

B.1 认证失败

B.1 authentication failed

```
{  
    "operator": "authentication",  
    "info":{  
        "Result": "Fail",  
        "Detail": "Unsupport authentication protocol type"  
    }  
}
```

Or

```
{  
    "operator": "authentication",  
    "info":{  
        "Result": "Fail",  
        "Detail": "Unknown user or password"  
    }  
}
```

B.2 设置消息回复

B.2 setting message reply

设置成功:

Set successfully:

```
{  
    "operator": "<Operator>",  
    "code": 200,  
    "info":{  
        "Result": "Ok"  
    }  
}
```

设置失败:

Setting failed:

```
{  
    "operator": "<Operator>",  
    "info":{  
        "Result": "Fail",  
        "Detail": "<detial>"  
    }  
}
```

附录 C:具体功能接口的抓包

Appendix C: Capture of Specific Functional Interface

C.1 声音设置

C.1 sound settings

C.1.1 获得音频设置参数

C.1.1 acquire audio setting parameters

```
POST /action/GetSound HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: cf11e027-a704-098c-5968-5715cd8b4aab
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:42:54 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

b0
{"operator":"GetSound", "info": {"VerifySuccAudio":1, "VerifyFailAudio":1, "RemoteCtrlAudio":1, "Volume":90, "VerifySuccGuitip":1, "VerifyFailGuitip":1, "UnregisteredGuitip":1}}
0
```

C.1.2 设置音频参数

C.1.2 setting audio parameters

```
POST /action/SetSound HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 194
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 8c47997c-3444-47e5-6c08-622a496f7fa4
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetSound",
  "info": {
    "VerifySuccAudio":1,
    "VerifyFailAudio":1,
    "RemoteCtrlAudio":1,
    "Volume":50,
    "VerifySuccGuitip":1,
    "VerifyFailGuitip":1,
    "UnregisteredGuitip":1
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:46:48 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
Content-Type: application/json; charset=UTF-8

4a
{
  "operator": "SetSound",
  "code":200,
  "info": {
    "Result": "Ok"
  }
}
```

C.1.3 获取播放文件的数量和文件名

C.1.3 obtain the number and file name of playing files

```
POST /action/GetAudio HTTP/1.1
Host: 172.168.2.236
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 7a7f683e-d078-7e42-c8cc-2d5f6078b805
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 09:45:39 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

14e
{"operator": "GetAudio", "info": {"AudioNum": 16, "AudioName": ["welcome_pt.wav", "verifyfail.wav", "welcome_en.wav", "BrushIDcard.wav", "VerifyFail.wav", "sorry_en.wav", "verifyfail_pt.wav", "welcome.wav", "sorry.wav", "VerifySuccess.wav", "unrecorded.wav", "SwipeCard.wav", "FaceCollection.wav", "FailVerify.wav", "sorry_pt.wav", "verifysucc_pt.wav"]}}}
```

C.1.4 播放指定文件声音

C.1.4 play the specified file sound

```
POST /action/SetAudio HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 107
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: e4e5f46d-4db2-2359-4e3d-7099e74d20ce
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SetAudio",
"info": {
"DeviceID":1305138,
"AudioType":0,
"AudioName":"welcome.wav"
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 11:25:41 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

4a
{
"operator": "SetAudio",
"code":200,
"info": {
"Result": "Ok"
}
}

0
```

C.2 开门条件

C.2 conditions for opening doors

C.2.1 获取开门条件设置参数

C.2.1 obtain setting parameters of door opening conditions

```
POST /action/GetDoorCondition HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: fa98bd57-da5e-e644-0724-b83142fbdc1b
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:48:16 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

e3
{"operator": "GetDoorCondition", "info": {"FaceThreshold": 90, "IDCardThreshold": 50, "OpendoorWay": 1, "VerifyMode": 2, "ControlType": 0, "Wiegand": 4, "PublicMjCardNo": 1, "AutoMjCardBgnNo": 1, "AutoMjCardEndNo": 1, "IOStayTime": 200}}
0
```

Or

```
POST /action/GetDoorCondition HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: e9a04c72-c7b7-1e95-1f44-c892691612b0
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:48:57 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
Content-Type: application/json; charset=UTF-8

a4
{"operator": "GetDoorCondition", "info": {"FaceThreshold": 90, "IDCardThreshold": 50, "OpendoorWay": 1, "VerifyMode": 1, "ControlType": 1, "IOType": 1, "IOStayTime": 200}}
0
```

C.2.2 设置开门条件参数

C.2.2 setting parameters of door opening conditions

```
POST /action/SetDoorCondition HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 253
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 72c8b84a-3525-52dd-38b2-4f6bf6052b95
Accept: */
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetDoorCondition",
  "info": {
    "FaceThreshold": 90,
    "IDCardThreshold": 50,
    "OpendoorWay": 0,
    "VerifyMode": 1,
    "ControlType": 0,
    "Wiegand": 0,
    "PublicMjCardNo": 2,
    "AutoMjCardBgnNo": 2,
    "AutoMjCardEndNo": 4,
    "IOStayTime": 5
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:50:04 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

52
{
  "operator": "SetDoorCondition",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.3 设置用户名、密码

C.3 setting user name and password

```
POST /action/SetUserPwd HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 79
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 92acea54-ebd7-80b9-88f1-afebb3ed5b04
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetUserPwd",
  "info": {
    "User": "admin",
    "Pwd": "admin"
  }
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:51:05 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

4c
{
  "operator": "SetUserPwd",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.4 网络参数

C.4 network parameters

C.4.1 获取网络参数

C.4.1 obtaining network parameters

```
POST /action/GetNetParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 2ab80ddf-9a79-950b-3611-d4e5e28e47c4
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:51:41 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

94
{"operator": "GetNetParam", "info": {"IPAddr": "172.168.2.238", "Submask": "255.255.255.0", "Gateway": "172.168.2.1", "ListenPort": 6666, "WebPort": 80}}
0
```

C.4.2 设置网络参数

C.4.2 setting network parameters

```
POST /action/SetNetParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 166
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
Content-Type: text/plain;charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 3b74578f-2758-ee20-a481-42044358d91a
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SetNetParam",
"info": {
"IPAddr": "172.168.2.238",
"Submask": "255.255.255.0",
"Gateway": "172.168.2.1",
"ListenPort": 5000,
"WebPort": 80
}
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:52:26 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
Content-Type: application/json; charset=UTF-8

4d
{
"operator": "SetNetParam",
"code":200,
"info": {
"Result": "Ok"
}
}
```

C.5 时间参数

C.5 time parameters

C.5.1 获取系统时间

C.5.1 obtaining system time

```
POST /action/GetSysTime HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 5335b56d-395f-067a-890c-1d9a432f38a0
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:53:04 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

6a
{"operator": "GetSysTime", "info": {"Year": 2019, "Month": 12, "Day": 4, "Hour": 17, "Minute": 53, "Second": 4}}
0
```

C.5.2 设置系统时间

C.5.2 setting system time

```
POST /action/SetSysTime HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 127
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: eec924b1-6854-85b1-2e75-bc2ef1df1acc
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetSysTime",
  "info": {
    "Year": 2018,
    "Month": 10,
    "Day": 11,
    "Hour": 16,
    "Minute": 10,
    "Second": 22
  }
} }HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Thu Oct 11 16:10:22 2018
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
Content-Type: application/json; charset=UTF-8

4c
{
  "operator": "SetSysTime",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.6 NTP 参数

C.6 NTP parameters

C.6.1 获取 NTP 参数

C.6.1 obtaining NTP parameters

```
POST /action/GetSysNTP HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 97e1c9c7-9e89-eb93-9f44-f70698b7d3b4
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:54:14 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
Content-Type: application/json; charset=UTF-8

7d
{"operator": "GetSysNTP", "info": {"NtpEnable": 1, "NtpUrl": "172.168.2.65", "NtpPort": 123, "NtpTimeZone": 25, "NtpInterval": 0}}
0
```

C.6.2 设置 NTP 参数

C.6.2 setting NTP parameters

```
POST /action/SetSysNTP HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 147
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: d9afffbf-c944-f92e-8607-900cff9b44b7
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SetSysNTP",
"info": {
"NtpEnable": 0,
"NtpUrl": "time.windows.com",
"NtpPort": 123,
"NtpTimeZone": 14,
"NtpInterval": 1
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:54:49 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddomop
Content-Type: application/json; charset=UTF-8

4b
{
"operator": "SetSysNTP",
"code":200,
"info": {
"Result": "Ok"
}
}
```

C.7 中心连接

C.7 central connection

C.7.1 获取中心连接参数

C.7.1 obtain the connection parameters of the center

```
POST /action/GetCenter HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 0187f90e-cab6-29b6-3e93-3b6ef6f7d96d
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:55:18 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

b9
{"operator": "GetCenter","info": {"ConnectCenter": 0,"CenterUrl": "192.168.2.11","CenterPort": 6666,"CenterUser": "admin","CenterPwd": "admin","SendSnapImage": 0,"SendVerifyResult": 0}}
0
```

C.7.2 设置中心连接参数

C.7.2 setting center connection parameters

```
POST /action/SetCenter HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 207
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 84e17a5d-5b84-bc41-10f5-4d86bdad31a8
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SetCenter",
"info": {
"ConnectCenter": 1,
"CenterUrl": "192.168.2.10",
"CenterPort": 6666,
"CenterUser": "admin",
"CenterPwd": "admin",
"SendSnapImage": 1,
"SendVerifyResult": 1
}
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:55:43 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
Content-Type: application/json; charset=UTF-8

4b
{
"operator": "SetCenter",
"code": 200,
"info": {
"Result": "Ok"
}
}
```

C.8 恢复出厂

C.8 restore the factory

```
POST /action/SetFactoryDefault HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 342
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 790d2326-5d7d-1d7a-3c88-daed0183e142
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81
Safari/537.36
Content-Type: application/json
Accept: */*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetFactoryDefault",
  "info": {
    "DefaltDoorSet": 1,
    "DefaltSoundSet": 0,
    "DefaltNetPar": 0,
    "DefaltCenterPar": 0,
    "DefaltCapture": 0,
    "DefaltLog": 0,
    "DefaltPerson": 0,
    "DefaltRecord": 0,
    "DefaltMaintainTime": 0,
    "DefaltSystemSettings": 0,
    "DefaltEnterIPC": 0,
    "DefaltServerBasicPara": 0,
    "DefaltWorktype": 0
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:57:05 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbnccccdomop
Content-Type: application/json; charset=UTF-8

53
{
  "operator": "SetFactoryDefault",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

分组 75. 1 客户端 分组, 1 服务器 分组, 1 turn(s). 点击选择.

C.9 设置信息

C.9 setting information

C.9.1 获取设备信息

C.9.1 obtaining equipment information

```
POST /action/GetSysParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: b5dbbd2f-8a72-863d-b596-7b7ce059fb78
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:58:10 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

6a
{"operator": "GetSysParam", "info": {"Name": "8866", "DeviceID": 1305138, "Version": "v14.7.6L6.S2-1.0.6.9"}}
0
```

C.9.2 设置设备信息

C.9.2 setting equipment information

```
POST /action/SetSysParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 71
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: text/plain;charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 10e6a947-455f-6df9-764e-df8910d1a301
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SetSysParam",
"info": {
"Name": "facegate_test"
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:58:36 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

4d
{
"operator": "SetSysParam",
"code":200,
"info": {
"Result": "Ok"
}
}
```

C.10 名单的添加、编辑修改

C.10 addition, editing and modification of the list

C.10.1 单个名单添加

C.10.1 adding a single list

```
POST /action/AddPerson HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 77281
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: cf37eff6-e05c-a46f-e2f1-d8ae94ab0784
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "AddPerson",
"info": {
"DeviceID":1305138,
"PersonType": 0,
"Name": ".....",
"Gender":0,
"Nation":0,
"CardType":0,
"IdCard": "430923199011044411",
"Birthday": "1990-11-04",
"Telnum": "18888888888",
"Native": ".....",
"Address": ".....",
"Notes": ".....",
"MjCardFrom": 0,
"MjCardNo": 1234,
"Tempvalid": 0,
"CustomizeID": 123456
},
"picinfo": "data:image/jpeg;base64,Qk024QAAAAAAADYAAAAoAAAAeAAAACKAAAABBgAAAAAAAAAAAASCwAAEgsAAAAAAAAAAA/v7+/v7+/v7+/
v7+/v7+/v7+/v7+/v7+/v7+/v7+/v7+/f/8/v3//v7+//7///39/Pz//v+//z+opCTrZ6ZtKSdm4+T59rpt7G/
....
```

```

9gWU5fwk5jWk5hY1RqYVVnaV9va11ycWh3hnqHnZaf5ubm70vq/Pn6npqg//////7+/v7+/
v7+ytw0ytqxyde1ydu0y9y3zNq3zdy2yti0zty6zty6zNm40N29zNy4ztq40ty4zNu40ty6ytq4zt29y9u8yNq1yNi3ydm5ydw2
0N2+yta9y9e7yNK8ws25wtC4ztX1lqKWrLism6GWhYOLpKOvenCBZGBzUFBqU1FnS0pa0z1XQz5bQDtYPz1aPT9ePjtbQj9mQUN
1TVF0UE9xT1N5UVZ9WwKIU1+IXWSVWmmYWWaQXGqaW2iWWWaXV2eTwWyZWyXW2yUW2+TwCTUGKHUmOKUwKTmeMTGCGVGiOTF
6DVGVGU1uDUFZ6SEtxQkRmRkV1TudmREBdTEdiQD5UQUNbRkNdSk1hSkJcREFXSkReSkRcTUZfTkVdTUdgUEheVExiUEpcU01gU
U5eUktcwVBkV1Fh1NkY1ZqYVBkZhsX1Jma19wdmx4enV+4d7j50Te6ujm9/P4mZmf/v3+/v/9/v7+/v7+"
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:59:47 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

4b
{
"operator": "AddPerson",
"code":200,
"info": {
"Result": "Ok"
}
}

```

C.10.1.1 单个名单添加错误码

C. 10.1.1 add error code to single list

errcode	Type	Values	Description
461	int	未知操作指令 Unknown operation instruction	Unknow operator
462	int	参数错误(缺少 info) Parameter error (missing info)	Parameter error
463	int	DeviceID 不匹配 Deviceid mismatch	Unkonw DeviceID
464	int	未传入 picinfo 或 picURI No picinfo or picuri was passed in	Unkonw picinfo and get picURI error
465	int		Other
466	int	CustomizeID or UUID 已经存在	CustomizeID or UUID had existed

		Customizeid or UUID already exists	
467	int		预留 reserve
468	int		预留 reserve
469	int	韦根卡号已经存在 The wegenka already exists	WG_CardNo already exist
470	int	ID(RFCard)卡号已经存在; (针对内置刷卡机型) ID (rfcard) card number already exists (For built-in swipe card models)	ID_CardNo already exist
471	int	人员名单已经存在 Personnel list already exists	Person already exist
472	int		预留 reserve
473	int	未检测到人脸 No face detected	Face Undetected
474	int	图片 Base64 解码失败 Picture Base64 decoding failed	picinfo Base64 decode error
475	int	解析 URI 服务器地址错误 Error resolving URI server address	Get URI server ip error
476	int	添加图片为 URL 方式时，连接服务器 IP 失败 Failed to connect to server IP when adding image as URL mode	Get picinfo and connect URI IP error

477	int	获取 URL 图片数据过短 Getting URL image data is too short	Get URI pic data too short
478	int	获取 WGFacilityCode 错误 Error getting wgfacility code	Get WGFacilityCode error
479	int	获取 MjCardNo 错误 Error getting mjcardno	Get MjCardNo error

C.10.2 多个名单添加

C.10.2 addition of multiple lists

```

POST /action/AddPersons HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 126027
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: e8080aa8-f5df-954c-0749-e9dd7e254d74
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "AddPersons",
"DeviceID": 1305138,
"Total": 2,
"Personinfo_0": {
"PersonType": 0,
"Name": "test",
"Gender": 0,
"Nation": 0,
"CardType": 0,
"IdCard": "430923199011044411",
"Birthday": "1990-11-04",
"Telnum": "18888888888",
"Fax": ""
}
}
.....

```

```
wBcJf8A0VXyBf8A/I/T/wDA/wD2zrbCfovyifwp90CMf+IX1vdX8fD091vzy128397Pc1Yi0NvvEoc7ueo/
yR6HB61Xn6Rj+50/H/DsBgD04GJv+wEX/XOoZa9Xp84/of41vb5L9CjNKwkgjHAkHPrx6dRz34PqMHmpVXakwH8DcH
+L5ZAuM+/8XcnBBGBirP8A8fNn/ut/Krn/AD9f75/9HCir
+i06CX6fqdBpthDeQ3MbtLGMQv8AuZNrf0u5k3FMdp6cEMByrBvmr6y/Y18d+PvgXd/En4hfBvxz4o+G/i/w/
wCOPhRpthq/hnUPI36XdeFLG5utK1KwuoprTWNK11S7+2va3cE1v9qh3rGsdexXXy5oP3br/r1bf8Aoo1718C/+RY
+Mv8A2Ub4Q/8AqI6JX554mYDA5hwVnWEx+Do43CV8LXjuo1qUKtKpF0neM6dSMoTi7K6kmnZaaH9M/
RTp063ijgadWEatP2GKbjOK1Fu0DxDi3GSabTSabV00mrNI/9k="
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 11:33:40 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcncddomop
Content-Type: application/json; charset=UTF-8

4c
{
"operator": "AddPersons",
"code": 200,
"info": {
"Result": "Ok"
}
}
0
```

C.10.3 名单编辑修改

C.10.3 list editing and modification

```
POST /action/EditPerson HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 77300
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 3ca13955-c832-247e-4dd9-a2f4f59316b8
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "EditPerson",
  "info": {
    "DeviceID": 1305138,
    "IdType": 0,
    "CustomizeID": 123456,
    "PersonType": 1,
    "Name": ".....-edit",
    "Gender": 1,
    "Nation": 0,
    "CardType": 0,
    "IdCard": "430923199011044411",
    "Birthday": "1990-09-10",
    "Telnum": "18888888888",
    "Native": ".....",
    "Address": ".....",
    "Notes": ".....",
    "MjCardFrom": 1,
    "MjCardNo": 1234,
    "Tempvalid": 0
  },
  "picinfo": "data:image/jpeg;base64,Qk024QAAAAAAADYAAAAoAAAAeAAAACKAAAAABABgAAAAAAAAAAAASCwAAEgsAAAAAAAAAAAAA/v7+/v7+/v7+/
.....
1TVF0UE9xT1N5UVZ9WMKIU1+IXWSVWmmYWWaQXGqaW2iWWWaXV2eTWWyZWWyXW2yUW2+TWhCTUGKHUmOKUWWKTmeMTGCGVGiOTF6DVGWGU1uDUFZ6SEtxQkRmRkV1TUmREBdTEdiQD5UQUNbRkNdSk1hSkJcREFXSkrSkRcTUZfTkVdTUdgUEheVExiUEpcU01gU5eUktcWVBkV1FhW1NKY1ZqYVBkZFhsX1Jma19sa19wdmx4enV+4d7j50Te6ujm9/P4mZmf/v3+/v9/v7+/v7+"
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:01:19 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncdddomop
Content-Type: application/json; charset=UTF-8

4c
{
  "operator": "EditPerson",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.10.4 获取新旧数据库版本

C.10.4 obtain new and old database versions

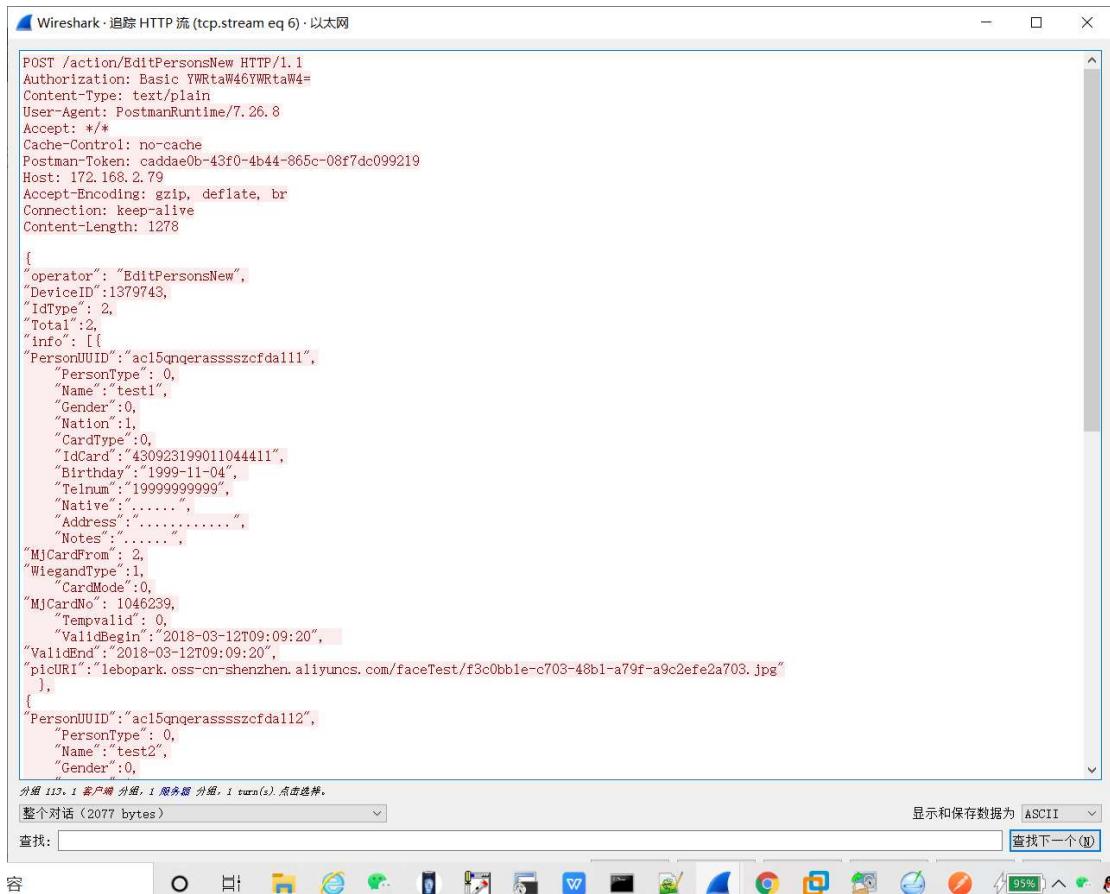
```
POST /action/GetDatabaseVer HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehdddcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 85bb0fa1-cbd0-7cee-1698-4e9b50e5b969
Accept: */
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 11:35:13 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehdddcbnccccdomop
Content-Type: application/json; charset=UTF-8

3b
{"operator":"GetDatabaseVer", "info":{"DatabaseVersion":1}}
0
```

C.10.6 名单批量添加或修改

C.10.6 batch addition or modification of list



The screenshot shows a Wireshark capture window with a single selected packet. The packet is a POST request to the URL `/action/EditPersonsNew`. The request contains a JSON payload representing a batch list addition or modification. The JSON structure includes fields like `operator`, `DeviceID`, `IdType`, `Total`, and `info`, which further contains arrays of person objects. Each person object has properties such as `PersonUUID`, `PersonType`, `Name`, `Gender`, `Nation`, `CardType`, `IdCard`, `Birthday`, `Telnum`, `Native`, `Address`, `Notes`, `MjCardFrom`, `WiegandType`, `CardMode`, `MjCardNo`, `Tempvalid`, `ValidBegin`, `ValidEnd`, and `piclURI`.

```
POST /action/EditPersonsNew HTTP/1.1
Authorization: Basic YWRtaW46YWRtaW4=
Content-Type: text/plain
User-Agent: PostmanRuntime/7.26.8
Accept: */*
Cache-Control: no-cache
Postman-Token: caddae0b-43f0-4b44-865c-08f7dc099219
Host: 172.168.2.79
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
Content-Length: 1278

{
  "operator": "EditPersonsNew",
  "DeviceID": 1379743,
  "IdType": 2,
  "Total": 2,
  "info": [
    {
      "PersonUUID": "ac15qnqerasssszcfda111",
      "PersonType": 0,
      "Name": "test1",
      "Gender": 0,
      "Nation": 1,
      "CardType": 0,
      "IdCard": "430923199011044411",
      "Birthday": "1999-11-04",
      "Telnum": "19999999999",
      "Native": ".....",
      "Address": ".....",
      "Notes": ".....",
      "MjCardFrom": 2,
      "WiegandType": 1,
      "CardMode": 0,
      "MjCardNo": 1046239,
      "Tempvalid": 0,
      "ValidBegin": "2018-03-12T09:09:20",
      "ValidEnd": "2018-03-12T09:09:20",
      "piclURI": "lebopark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bble-c703-48b1-a79f-a9c2efe2a703.jpg"
    },
    {
      "PersonUUID": "ac15qnqerasssszcfda112",
      "PersonType": 0,
      "Name": "test2",
      "Gender": 0,
    }
  ]
}
```

```

{
    "PersonUID": "ac15qnqerasssszcfda112",
    "PersonType": 0,
    "Name": "test2",
    "Gender": 0,
    "Nation": 1,
    "CardType": 0,
    "IdCard": "430923199011044412",
    "Birthday": "1999-11-05",
    "Telnum": "18888888888",
    "Native": ".....",
    "Address": ".....",
    "Notes": ".....",
    "MjCardFrom": 2,
    "WiegandType": 1,
    "CardMode": 0,
    "MjCardNo": 1046240,
    "Tempvalid": 0,
    "ValidBegin": "2018-03-12T09:09:20",
    "ValidEnd": "2018-03-12T09:09:20",
    "picURI": "lebpark.oss-cn-shenzhen.aliyuncs.com/faceTest/f3c0bb1e-c703-48b1-a79f-a9c2efe2a703.jpg"
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Tue Jan 12 01:40:38 2021
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Content-Type: application/json; charset=UTF-8

{
    "operator": "EditPersonsNew",
    "code": 200,
    "info": {
        "DeviceID": 1379743,
        "EditsErrNum": "0",
        "EditsSucNum": "2",
        "EditsErrInfo": [],
        "EditsSucInfo": [{"PersonUID": "ac15qnqerasssszcfda111"}, {"PersonUID": "ac15qnqerasssszcfda112"}],
        "Result": "OK"
    }
}

```

分组 189. 1 客户端 分组, 1 服务器 分组, 1 turn(s), 点击选择。

C.10.6.1 名单批量添加或修改返回码

C.10.6.1 add or modify return codes in batch for list

code	Type	String	Description
200	int		批量添加或修改接口完成，但名单添加可能不是全部都成功 Batch addition or modification of interfaces is completed, but not all the lists are added successfully
411	int	Unknow operator	获取关键字"EditPersonsNew"失败 Failed to get keyword 'editpersonsnew'
412	int	"Parameter error"	获取关键字"info"失败 Failed to get keyword 'info'
413	int	"UnKnown DeviceID"	"DeviceID"匹配失败 "Deviceid" matching failed
414	int	"UnKnown Total"	获取关键字"Total"失败 Failed to get keyword 'total'
415	int	"Total out of range"	Total(名单总数)超出范围限制 Total is out of range
416	int	"json of data and Total is not equal"	获取的 json 数组名单数不等于 Total 的

			值 The number of JSON array lists obtained is not equal to the value of total
417	int	"UnKnown IdType"	获取关键字"IdType"失败 Failed to get keyword 'idtype'
418	int	"IdType error"	IdType 值传入错误 Idtype value passed in error

C.10.6.2 名单批量添加或修改错误码

C.10.6.2 add or modify error codes in batch on the list

errcode	Type	Values	Description
461	int	获取 CustomizedID 失败 Failed to get customizedid	
462	int	获取 PersonUUID 失败 Failed to get personuuid	
463	int		预留 reserve
464	int	获取图片地址 IP 失败 Failed to get image address IP	
465	int	获取 URI 图片超时或者下载图片 失败 Getting URI image timed out or failed to download image (注意设备的 DNS 是否正确) (pay attention to whether the DNS of the device is correct)	
466	int	获取 URI 图片数据内容失败(数 据小于 1000 字节) Failed to get URL image data content (data less than 1000 bytes)	
467	int	图片数据过大(不可超过 1M)	

		Image data is too large (no more than 1m)	
468	int	提取图片人脸特征失败 Face feature extraction failed	
469	int	数据库写入图片数据失败 Database failed to write image data	
470	int	数据库修改名单失败 Database modification list failed	
471	int		预留 reserve
472	int		预留 reserve
473	int		预留 reserve
474	int		预留 reserve
475	int	韦根卡号 MjCardNo 已存在 Mjcardno already exists	
476	int	获取 WGFacilityCode 关键字失败 Failed to get wgfacilitycode keyword	
477	int	获取 MjCardNo 关键字失败 Failed to get mjcardno keyword	
478	int		预留 reserve
479	int	修改人名单信息失败 Failed to modify person list information	
480	int	RFCard 已经存在	

		Rfcard already exists	
481	int	获取 picURI 关键字失败 Failed to get picuri keyword	
482	int	读取已存在人员的图片失败 Failed to read the image of an existing person	

C.11 名单删除

C.11 deletion of the list

```

POST /action/DeletePerson HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 120
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehdddcbnccccdomop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: f5be909a-2dbf-dc98-2b6d-ff415cf78d3
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "DeletePerson",
"info": {
"DeviceID": 1305138,
"TotalNum": 1,
"IdType": 0,
"CustomizeID": [123453]
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:02:25 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehdddcbnccccdomop
Content-Type: application/json; charset=UTF-8

4e
{
"operator": "DeletePerson",
"code": 200,
"info": {
"Result": "Ok"
}
}

```

C.12 数据订阅

C.12.1 推送的消息不需认证

C.12.1 push messages do not need authentication

```
POST /action/Subscribe HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 318
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: text/plain;charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 13af34ce-2aaa-ba07-ec76-5d147a1ce4e3
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "Subscribe",
"info": {
"DeviceID": 1305138,
"Num": 2,
"Topics": ["Snap", "Verify"],
"SubscribeAddr": "http://192.168.2.11:8080",
"SubscribeUrl": {"Snap": "/Subscribe/Snap",
"Verify": "/Subscribe/Verify", "HeartBeat": "/Subscribe/heartbeat"},
"Auth": "none",
"bTimedPush": 0,
"PushInterval": 0
}
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:03:21 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

4b
{
"operator": "Subscribe",
"code": 200,
"info": {
"Result": "Ok"
}
}
```

C.12.2 订阅时提供用户名密码，上交需要进行认证

C.12.2 provide a user name and password when subscribing, and authentication is required when submitting it.

```
POST /action/Subscribe HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 314
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: text/plain;charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4-
Postman-Token: a0112839-2e0c-e9f5-4cc9-d83e95a25085
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "Subscribe",
"info": {
"DeviceID": 1305138,
"Num": 2,
"Topics": ["Snap", "Verify"],
"SubscribeAddr": "http://172.168.2.65:8021",
"SubscribeUrl": {"Snap": "/Subscribe/Snap",
"Verify": "/Subscribe/Verify", "HeartBeat": "/Subscribe/heartbeat"},
"Auth": "Basic",
"User": "admin",
"Pwd": "amdin"
}
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:03:28 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

4b
{
"operator": "Subscribe",
"code": 200,
"info": {
"Result": "Ok"
}
}
```

C.12.3 陌生人抓拍上报

C.12.3 strangers snap report

```
{ "code":200,"desc":"OK"}POST /Subscribe/Snap HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 78620
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:172.168.2.90
Connection: Keep-Alive

{
  "operator": "SnapPush",
  "info": {
    "DeviceID": 1463596,
    "CreateTime": "2021-01-11T09:16:28",
    "isNoMask": 0,
    "PictureType": 0,
    "Sendintime": 1,
    "Direction": 0
  },
  "SanpPic": "data:image/jpg;base64,0K225PAAA0AAAAADYAAAAAAA0AAAAiAAAIAAAAABgAAAAAAAAAAAScWAEEgsAAAAAAAAAAAApJmmiH+Kg3iAk4KLt6iyinqBwrPAwbPBxLfcxb
rFyn/Kx7/Kyr/KycHkycPNz8nTzsrs1NH21tPd3Nni5ePv5ulW6ejz8vH89fT9+n/fv//////////z//vv//Pr/+j
+/j/9/X/+fj/+f/+f/b/+ft/+fT/+PT/+fX/+fx/+fP/+fP/+f/X/+T//PX//Pb//vf/9
X3Kbojv0RJBAbiXYKZLKDQMIDgMHDgMHDgGADDADDDQDIDcAABCwAAFcQKCCQABCgAAfQkLCAAAACQADWigDAADDAAChQsSHw8WcwADEAAHEQIHeGmH
FAEJFAQLFQDQEGIJIQSVzV21IGQKFMQI1gHQALVDFAJAIoCvb0UwiYwR1Qg0Mg8b1QAHsY2cHQAHjwUSZURQryUzHQIIIAIzKm6IQAKMqoZkFOPh0mMQ
4dyEqkwZ4lwMVKwcUvZadNg4dMqgLaLUyqGzHQAIpp6piX6iin6hkolRsJ+pjh2Gv7C8wbfbwfCxlzGyMDKx7/Jxb7lysbnx8HlybbQzsvT08/
Z1txg29rk39vn5ePu6+n09PL+9/X/+fj/+vz//////////7/vv/vz//v/vv//Pr/+fj/+fx/+fT/+vb/9/X/9/T/+PT/9fP/+ft/+pt/
+fP/+PP/+PT/+fT/+PT/9VH/+PP/+fx/+fT/+vX/+vP//Pb/+x/+L/+vx//Pb//n
x7ZEoIs0STC+RdDCfG15Dg1JDgUGCcECCQABCAAADAECCwAACwABCwABDAAACwABEQUHCgAACAAAGQoPCgADDGEEHXAvEgMIEQEIEgIJEwmKFAIKFQ
MJFwYQIA0XIA4XEWEdH15rFQIFGwMOKQsXIAIQSCY5KAM51XR+NBUgIwMRMrghYz1QR88qcE5eIwEoJAENnniIjQcRJgcQIAEJy6i5IAAMJwIRi2vyLxAbLQkW
Yj5LZDx0LgYXLQMw1q3BKwMSOA8jQBgmsIaZLQWUjIWNjaPhXqCko0Osqrh3d+vK+4wrBw7Bcw7ncbx3HyCHlxSdJyCHly8Pny8frzcrTINh29xf2dji4d
vl5ULs7er18e/79Vt/+vj//vz//3//7//7//z//v//v//v//Pn+fj/+f/+fT/+Pb/+fT/9Vp/9/P/+PT/9/Vt+9/P/9vL/9/P+9vL+9vL+
+PP/9/L/9vL++vL/9vt/+vP/+vP/+t/+vL/+ft/+PT/+vT/+t//v/
eG10QzVAOSw3VUpQfQsPcwIDCwECCAAABCgAACAAACAAACQEBBwAACgAACwABCwAAACwACDwIGCgAADAECFgYLcWAGdw1GfQyleahEQAKewMKewILFaQLGwcRHw
wWHQssFQEKFQAGhw15FAADMbkgHgIMHQAQLXz5P1gOp4STMAbjQIRXTxNTCk2QrkrmVDQ/
KggTIQMKuZelIAAIKgcTMBAxhNiGjQIPiWeNp4GSKQUTNg8ce1dkTR80MwsckwQr1anA1gEQ0AwjZt1Kc0Rxo41mJGzK1iRgxV+k1SMs6WuhnZ9tqi0wrjDwr
XBxlnExr7Jx8LjyMHJxsHjyMLMy8f0cvx99D21Pd29j1392m4+Pr6ejy7uZ49fP+vfvf//fv//f3//v//vz//fn//vr/+vb/+vx/+fx/9vt/
9PL+9VH/9V/1/9/P/9PH+8fD89PL+9PD+8+799F+9PD89Vl+9P/+PP/9Vh/90+PT/9/H9+PP/+4/X/+fl/+fL/+x/+/X//v//v//v//v//
ThcdX1BdSdtHeFOMHCOABCQECCEBBgAAACEBCAAACAAACAAAbgAAACwABCwAAACwAAcdaAECAADE00JFEO0IDgAHEO1IDoADCwAEDwAhCwEDGgsROvgwHg4FwMKEg
分组 133. 18 客户端 为组, 18 服务器 为组, 34 turn(s), 点击进组。
整个对话 (1336 kB) 显示和保存数据为 ASCII
查找: 滤掉此流 打印 Save as... 返回 Close Help
```

.....

```
nx1bcGKVKv0nLUwUwgRAKf-gokGwgWUGwGWMHA4UHQwRKHASU1nawGgsQGAGnfWgKhgvsGwssGgsQGQyPwgDpHqsK1KA1A411A411w8ujBMY1g8x1a8x1Q0x1awngw
owHAcIxICIBaekBQnjhMkIxIjkBumlBookxkljBmhKxUoKxYrJRYmJxQpkhovNyU/
PipcNyRAnYhBNCc5NCQ5oio9LyayLbsykButMy15PSzANx83P1i1CNY490C11Oy1jP19iOshBoic/
0SGnYm20g5MR0pMxcnMBgMBYf1B1bmKxcgOBw1MhQcOR0mLxmCnBUnhMxmB041iLxIMRicMhccLrcbNh4p0iEnNBghNRogPSIpOhwlNxkhOBQfOhohOR
kg0xkfpxeiNhcc0ByCfrfriPsPR4hpymQsQoSAn0Bw1nBwmPCirNBe01oy1vQ5s2Z1hhZ1pmSkRjZV1hh4CGoJ2ftrC1wL3Aw73AxcdDyMTJwsDAsLfyCpg
yMxHysTHy8XjySxy8XjzcjlzCjzlMfk0Mnpzmfk28nMljobKzSelzaLi416jy1514t2kpCBkpSBjox/kyl/
gn5ocGZhTUxBAjBYhA8THRAwRh4PgWgJGQoNQh0RhgsHAsNgwONGQoPGAMHg0Phg8FwsNHA05JRiaIg4VIQ4WIBASig4SIaWRIAwShAsQKBQZIq4Wjx
MfJBEb1g8ZjBACJRMfjhuhIAgLRcpJRedMbw0Lbk0mx0wlxsuJBMKkxksMR40nsu4pc1B0ypdnsC+ncg40i0/
NyM7LxowKhouLbkvOCU60Uy9PCyPiTAosw+LS12PCTHMCABnyU/
OCZAOCU6niE3NyQ0Mx4tMhkmmRknKxaemhuiMRYjPB8QnruhMRYCMxogNhojMRMaOBwgNxceMhMdLxcgOCEPnR0mPCUtnB0eMxogNx4gPCEnNxohMBIBpBwjOB
ke0Bcf0rofPh4PB0iNxUb0hcfNRkbMREZ0h0hNbccMhQdnRgkMhuJmxclNSEtNiErTD1DT0NKY1ZfSDxFv05We3R8k4ySuba5wry/xb7Ew7/ExMHExmHExb/
EycPGysXgy8XiyCPgyPMGxsHEycPGy8XKzcfnz8nM"/>
HTTP/1.1 200 OK
Content-Type: application/json
Date: Mon, 11 Jan 2021 01:30:57 GMT
Connection: keep-alive
Transfer-Encoding: chunked

{"code":200,"desc":"OK"}  
Accept: application/json
```

C.12.4 认证结果上报

C.12.4 report of certification results

```
POST /Subscribe/Verify HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 11762
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:172.168.2.65
Connection: Keep-Alive

{
  "operator": "VerifyPush",
  "info": {
    "DeviceID":1305138,
    "PersonID":58,
    "CreateTime":"2019-12-04T18:06:56",
    "Similarity1": 95.719673,
    "Similarity2": 0.000000,
    "VerifyStatus":1,
    "VerifyType":1,
    "PersonType": 0,
    "Name": "...",
    "Gender":0,
    "Nation":1,
    "CardType":0,
    "IdCard":"",
    "Birthday":"1970-01-01",
    "Telnum":"",
    "Native":"",
    "Address":"",
    "Notes":"",
    "MjCardFrom": 0,
    "MjCardNo": 1,
    "Tempvalid": 0,
    "CustomizeID": 0,
    "PersonUUID": "",
    "ValidBegin": "0000-00-00T00:00:00",
    "ValidEnd": "0000-00-00T00:00:00",
    "RFIDCard":"",
    "Sendintime":1
  }
}

.....
-----BEGIN PGP MESSAGE-----  
ODk60RFRkdISUpTVFVV1hZlmlNkZWZnaG1qc3R1dnd4eXqDhIWGh4iJipKT1JWl5iZmqKjpKWmp6ipqrKztLWt7i5usLDxM  
Gx8jJytlT1NXW19jZ2uHi4+T15uf06erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQAAAAAAAECAwQFBgcICQoL/  
8QAtREAAgECBAQDBAcFBAQHTTP/1.1 200 OK
Content-Type: application/json
Date: Wed, 04 Dec 2019 10:08:05 GMT
Connection: keep-alive
Transfer-Encoding: chunked

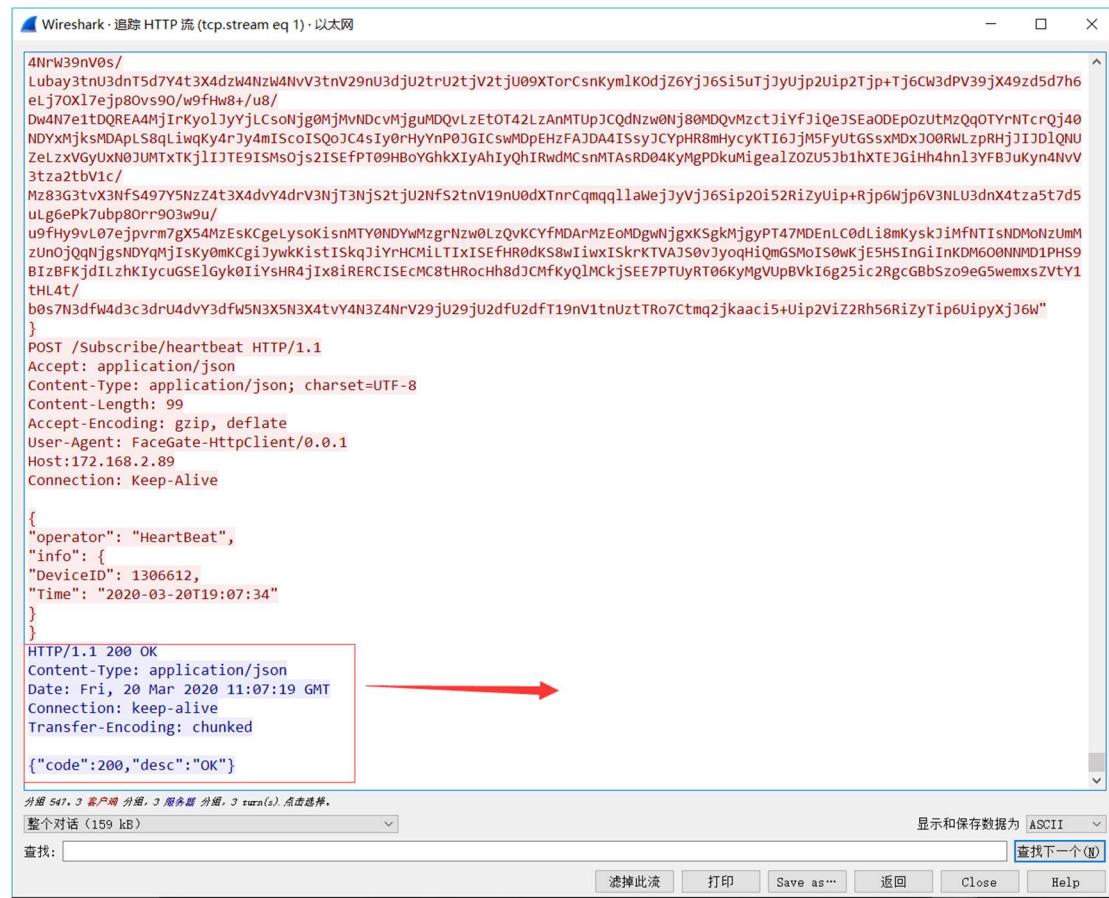
18
{"code":200,"desc":"OK"}
0
```

C.12.4.1 采用断网续传服务器回复数据包

C.12.4.1 reply to the data packet by using the disconnected continuous transmission server

注意 HTTP 的头包含 Content-Length，区分大小写。

Note that the HTTP header contains content length, which is case sensitive.



C.12.5 身份证信息上报

C.12.5 reporting of id card information

```
POST /Subscribe/IDCard HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 64998
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:172.168.2.65
Connection: Keep-Alive

{
"operator": "IDCardInfoPush",
"info": {
"DeviceID": 1305138,
"IDCard_Idno": "450521199209100568",
"IDCard_Name": ".....",
"IDCard_Gender": 1,
"IDCard_Nation": 1,
"IDCard_Birthday": "1992-09-10",
"IDCard_Address": ".....21...",
"IDCard_Idissue": ".....",
"IDCard_Idperiod": "20180427-20280427"
},
"IDCard_photo": "data:image/jpeg;base64,Qk02vQAAAAAADYAAAoAAAAGAAAAH4AAAABAgAAAAAAAAAAAAAAAAAAAAAAAAAAsqeZp5mPoI6FpY2HqYKpoqFpYiBpIV9o4N5o4V6o4d8q5GGtZqSuaGYfWZegWxkhnRrIJ5pI+HqpWNs5yUtZ6Wt6CYuaKavKwdjImIX21yFTRADT1TS4CXi8Tcjc2lNLvi8/sim3rhsrqhcjr7jeeqjSRWeVEydbGS1fHzRkNkx6TWORW3GdaYCqd4+2hZ7DhJ7FhZ7Ihp/Jh6DKhZ3jhJzKg5vJgpnfvpKfJ3NeJ/0dqLScHaQa57Pd67egr3vdrXkaq7cX6jTU6DLxrDYasHmXbncUbHTSJq2Qo0cIVRnAiQ0SV5nkpac0JeYsZeVsJeUsZiVs...wvLc5aY+1uV+7u7+2u1
```

C.12.6 查询已订阅的消息

C.12.6 Query subscribed messages

```
POST /action/GetSubscribe HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Postman-Token: 90fe3bc4-5b86-ba51-f83c-4ec9707f49cc
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:09:46 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

14b
{"operator": "GetSubscribe", "info": {"Num": 2, "Topics": ["Snap", "VerifyWithReg"], "SubscribeAddr": "http://172.168.2.65:8021", "SubscribeUrl": {"Snap": "/Subscribe/Snap", "Verify": "/Subscribe/Verify", "HeartBeat": "/Subscribe/heartbeat"}, "BeatInterval": 60, "ResumefromBreakpoint": 0, "BeginTime": "2019-12-02T09:48:40", "Auth": "none"}}
```

C.13 取消订阅

C.13 unsubscribe

```
POST /action/Unsubscribe HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 108
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddd0mop
Content-Type: text/plain; charset=UTF-8
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 1c43c194-5a70-0224-ee22-5aa4d4827ec0
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "Unsubscribe",
  "info": {
    "DeviceID": 1305138,
    "Num": 2,
    "Topics": ["Snap", "Verify"]
  }
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Thu Dec 5 09:04:39 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncddd0mop
Content-Type: application/json; charset=UTF-8

4d
{
  "operator": "Unsubscribe",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.14 订阅的心跳

C.14 heartbeat of subscription

```
POST /Subscribe/heartbeat HTTP/1.1
Accept: application/json
Content-Type: application/json; charset=UTF-8
Content-Length: 99
Accept-Encoding: gzip, deflate
User-Agent: FaceGate-HttpClient/0.0.1
Host:172.168.2.65
Connection: Keep-Alive

{
"operator": "HeartBeat",
"info": {
"DeviceID": 1305138,
"Time": "2019-12-04T18:09:54"
}
}
HTTP/1.1 200 OK
Content-Type: application/json
Date: Wed, 04 Dec 2019 10:09:54 GMT
Connection: keep-alive
Transfer-Encoding: chunked

18
{"code":200,"desc":"OK"}
0
```

C.19 名单搜索查询

C.19 list search query

C.19.1 单个名单查询

C.19.1 single list inquiry

```
POST /action/SearchPerson HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 120
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 5b97748b-e150-ed7a-cef4-148cf813c7c7
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "SearchPerson",
"info": {
"DeviceID":1305138,
"SearchType":0,
"SearchID": "123456",
"Picture":1
}
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:11:14 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

3fdf
{
"operator": "SearchPerson",
"info": {
"DeviceID": 1305138,
"LibID": 106,
"PersonType": 1,
"Name": ".....-edit",
"Gender": 1,
"Nation": 0,
"CardType": 0,
"IdCard": "430923199011044411",
"Birthday": "1990-09-10",
"Telnum": "18888888888",
"Native": " "
}
```

C.19.2 查询名单总数

C.19.2 Total number of enquiry lists

```
POST /action/SearchPersonNum HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 231
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 4dbbc6b2-902e-bc28-f796-3dbc6a1d8b85
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SearchPersonNum",
  "info": {
    "DeviceID": 1305138,
    "SearchType": 0,
    "PersonType": 0,
    "BeginTime": "2019-06-01T00:00:00",
    "EndTime": "2019-12-19T23:59:59",
    "Gender": 2,
    "Age": "0-100",
    "MjCardNo": 0,
    "Name": ""
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:12:32 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

5b
{
  "operator": "SearchPersonNum",
  "info": {
    "DeviceID": 1305138,
    "PersonNum": 53
  }
}
```

C.19.3 多个名单查询

C.19.3 multiple list inquiries

```
POST /action/SearchPersonList HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 262
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: d44c96e7-2f24-6930-4535-61f1e9231c12
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SearchPersonList",
  "info": {
    "DeviceID": 1305138,
    "PersonType": 0,
    "BeginTime": "2018-06-01T00:00:00",
    "EndTime": "2020-06-19T23:59:59",
    "Gender": 2,
    "Age": "0-100",
    "MjCardNo": 0,
    "Name": "",
    "BeginNO": 0,
    "RequestCount": 10,
    "Picture": 1
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:13:24 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

3fdf
{
  "operator": "SearchPersonList",
  "info": {
    "DeviceID": 1305138,
    "Listnum": 10,
    "List": [
    {
      ....
```


C.20 开门控制

C.20 door opening control

C.20.1 开门控制

C.20.1 door opening control

```
POST /action/OpenDoor HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 130
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 1fcc5118-dae5-73c3-ca38-bef00c3b8188
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "OpenDoor",
  "info": {
    "DeviceID": "1305138",
    "Chn": 0,
    "status": 9,
    "msg": "请通行！！！！"
  }
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 17:38:51 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

4a
{
  "operator": "OpenDoor",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.22 控制记录查询

C.22 control record inquiry

条件查找方式：

Condition search method:

```
POST /action/SearchControl HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 202
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 3519c5f1-6b75-b440-434c-1aef91c92474
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
    "operator": "SearchControl",
    "info": {
        "DeviceID": 1305138,
        "BeginTime": "2019-12-04T14:30:00",
        "EndTime": "2019-12-04T23:59:59",
        "Picture": 1
    }
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:15:29 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

3fdf
{
"operator": "SearchControl",
"info": {
"DeviceID": 1305138,
"TotalNum": 20,
"SearchInfo": [
{
"LibID": 58,
"PersonType": 0,
"Name": ".....",
"MjCardNo": 1,
"Gender": 0,
"Nation": 1,
```

ID 号查找方式:

ID number search method:

```
POST /action/SearchControl HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 271
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 820927f3-e1c6-d150-660b-9e9b9b5d6c78
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
    "operator": "SearchControl",
    "info": {
        "DeviceID": 1305138,
        "SearchType": 1,
        "IdType": 1,
        "LibID": 58,
        "BeginTime": "2018-11-13T00:00:00",
        "EndTime": "2020-11-13T23:59:59",
        "Picture": 0
    }
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:16:58 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

729
{
    "operator": "SearchControl",
    "info": {
        "DeviceID": 1305138,
        "LibID": 58,
        "PersonType": 0,
        "Name": ".....",
        "MjCardNo": 1,
        "Gender": 0,
        "Nation": 1.
```

C.23 常用设置参数设置

C.23 commonly used setting parameter setting

C.23.1 获取常用设置参数

C.23.1 obtain common setting parameters

```
POST /action/GetGeneralParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 0
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 27c3c4ec-e6f2-98a8-7474-4b7ab27fb547
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:17:52 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

104
{"operator": "GetGeneralParam", "DeviceID": 1305138, "info": {"FaceThreshold": 90, "IDCardThreshold": 50, "ControlType": 0, "AutoRebootDay": 0, "AutoRebootHour": 0, "IPAddr": "172.168.2.238", "Submask": "255.255.255.0", "Gateway": "172.168.2.1", "DNS": "202.96.134.33"}}
0
```

C.23.2 设置常用参数

C.23.2 setting common parameters

```
POST /action/SetGeneralParam HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 332
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 5a08d998-af35-7992-6a2d-4b45986e57f3
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "SetGeneralParam",
  "DeviceID": 1305138,
  "info": {
    "FaceThreshold": 75,
    "IDCardThreshold": 50,
    "ControlType": 0,
    "AutoRebootDay": 0,
    "AutoRebootHour": 0,
    "IPAddr": "172.168.2.238",
    "Submask": "255.255.255.0",
    "Gateway": "172.168.2.1",
    "DNS": "202.96.134.33"
  }
}
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 18:18:10 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

4d
{
  "operator": "SetWorktype",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.24 重启设备

C.24 restart the equipment

C.24.1 重启设备

C.24.1 restart the equipment

```
POST /action/RebootDevice HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 106
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 53adb48c-b55a-b7e6-0fe8-0f1c7463f65d
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
  "operator": "RebootDevice",
  "info": {
    "DeviceID": 1305138,
    "IsRebootDevice": 1
  }
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 11:46:50 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccccdomop
Content-Type: application/json; charset=UTF-8

4e
{
  "operator": "RebootDevice",
  "code": 200,
  "info": {
    "Result": "Ok"
  }
}
```

C.25 图片服务功能

C.25 picture service function

C.25.1 图片比较相似度

C.25.1 picture comparison similarity

```
POST /action/GetPictureSimilarity HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 88123
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 236f356c-20b0-9ebb-6f17-6c0b7388801a
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
"operator": "GetPictureSimilarity",
"picinfo1": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEASABIAAD/
2wBDAAIQIBAQICAgICAwMDAwYEBAMFBwYH BwcG BwcICQsJC AgKCAcHCg0K Cg5MDAwMBw k0Dw0MDgsMDA z/
2wBDAQICAgMDAwYD AwYMC AcID AwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDA z/
wAARCACZAIADASIAAH EB AxEB/8QAH wAAA QUBA QEB A QEA AAAAAAAAEC A wQFBgcICQoL/
8QAtRAA AgEDAwIEAwUFBAQAA AF9AQ IDAA QRBR IHMUEGE FhBy JxFDKBkaE II0KxwRVS0fAkM2JyggkKFhcYGRo1jicoKSo
.....
.....
```

```

v3+/v/9/v7+/v7+
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 13:37:54 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccddomop
Content-Type: application/json; charset=UTF-8

41
{"operator": "GetPictureSimilarity", "info": {"Similarity": 93.9}}
0

```

C.25.2 以图搜索本地人脸库

C.25.2 Search the local face database by graph

```

POST /action/GetPictureSearch HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 77005
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: 8432335c-a3ad-33b8-4c65-4051954aed0c
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbnccddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
    "operator": "GetPictureSearch",
    "info": {
        "MaxSimilarity": 80,
        "MaxNum": 5
    },
    "picinfo": "data:image/jpeg;base64,Qk024QAAAAAAADYAAAoAAAAeAAAAKAAAAABABgAAAAAAAAAAASCwAAEgsAAAAAAAAAAAAA/v7+/v7+/
v7+/v7+/v7+/v7+/v7+/v7+/v7+/v7+/v7+/f/8/v3//v7+//7///39/Pz///v+//z
+onCTr767+KScdm4+T59rnt7G/xclTen71o37z0H744dT11dI o1+Dn3N3+*8DHHYV7kYnRkYmTv1 /
....."
}

```

```

v3+/v/9/v7+/v7+
}
HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 13:39:56 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

1b6
{"operator": "GetPictureSearch", "info": {"TotalNum": 1, "SearchInfo": [{"Uid": 2, "Type": 0, "Name": "陈", "Cardtype": 2, "MjCardNo": 1369406761, "Sex": 0, "Nation": 1, "Certype": 0, "Cernumber": "430923199011044411", "Birth": "1990-11-04", "Phone": "18888888888", "Place": "广东", "Addr": "深圳宝安", "Notes": "备注", "Filetype": 0, "Fileindex": 0, "Filepos": 65536, "CustomizeID": 123456, "PersonUUID": "", "Time": "2019-12-02/11:40:42"}]}}

0

```

C.25.3 检测图片人脸

C.25.3 detect the face of the picture

```

POST /action/DetectFaceFromPic HTTP/1.1
Host: 172.168.2.238
Connection: keep-alive
Content-Length: 76971
Authorization: Basic YWRtaW46YWRtaW4=
Postman-Token: f845e3bc-f1d0-199d-2d46-49705274a358
Cache-Control: no-cache
Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/69.0.3497.81 Safari/537.36
Content-Type: application/json
Accept: /*
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9

{
    "operator": "DetectFaceFromPic",
    "info": {
        },
    "picinfo": "data:image/jpeg;base64,Qk024QAAAAAAADYAAAAoAAAAeAAAAKAAAAABABgAAAAAAAAAAAASCwAAEgsAAAAAAAAAAAAA/v7+/v7+/
.....
v3+/v/9/v7+/v7+
}HTTP/1.1 200 OK
Server: FaceGate/4.0.0-1.0
Date: Wed Dec 4 13:41:52 2019
Transfer-Encoding: chunked
Connection: keep-alive
X-Frame-Options: SAMEORIGIN
Access-Control-Allow-Credentials: true
Access-Control-Allow-Origin: chrome-extension://fhbjgbiflinjbdggehcdcbncddomop
Content-Type: application/json; charset=UTF-8

3b
{"operator": "DetectFaceFromPic", "info": {"DetectFace": 1}}
0

```

附录 D 其他

Appendix D Others

D.1 民族

D.1 Ethnic groups

民族数值代码(int) National numerical code (int)	民族 nation
1	汉 Chinese
2	蒙古 Mongolia
3	回 back
4	藏 hide
5	维吾尔 Uygur
6	苗 seedling
7	彝 Yi ethnic group
8	壮 strong
9	布依 Buyi
10	朝鲜 North Korea
11	满 full
12	侗 ignorant
13	瑶 beautiful jade
14	白 white
15	土家 Tujia

16	哈尼 Hani
17	哈萨克 Kazakh
18	傣 Dai (DA)
19	黎 black
20	傈僳 Lisu
21	佤 Va (VA)
22	畲 slash and burn
23	高山 high mountain
24	拉祜 Lahu
25	水 water
26	东乡 a surname
27	纳西 Naxi
28	景颇 Jingpo
29	柯尔克孜 Kirgiz
30	土 soil
31	达斡尔 Daur' er
32	仫佬 Mulao
33	羌 Qiang
34	布朗 Brown
35	撒拉 Sarah
36	毛南 Maonan
37	仡佬

	Gelao
38	锡伯 Xibo
39	阿昌 Achang
40	普米 Pumi
41	塔吉克 Tadzhikistan
42	怒 vigorous
43	乌孜别克 Wuzi Buick
44	俄罗斯 Russia
45	鄂温克 ewenki
46	德昂 Deang
47	保安 security guard
48	裕固 Yugu
49	京 capital of a country
50	塔塔尔 Tatar
51	独龙 Dulong
52	鄂伦春 oroqen
53	赫哲 Hezhe
54	门巴 doctor
55	珞巴 Luoba
56	基诺 Keno
57	其他 other