# **1****,Framework instruction**

**First, the purpose**

It is designed to allow customers to easily access N8-RK3288W, BP31, BD1011, and G5 series of our terminals, and to quickly complete the development of smart terminal applications. Realize identity recognition and control the connected other smart device through our terminals.

**Second,Control method**

http interface, js method.

### **Third,Access methods**

Methods 1:Using the default UI,realize archive distribution and terminal control through http interface of the access terminal.

Methods 2:Use the embedded web service,by loading the specified URL, the custom developed H5 main page is displayed, the archive file is distributed through the http interface of the access terminal, and the terminal control is realized through the js method.

# **2,Interface description**

## Welcome to the Terminal API framework!

### Token verification is required for interface requests, and all interfaces need to add token signature parameters to the head

### **First,token generation instructions**

**The general steps for token generation are as follows:**

Suppose that all the data participating in the signature is set M, and the parameters of non-empty parameter values in set M are sorted from smallest to largest according to the ASCII code of the parameter name (dictionary order), using the URL key-value pair format (ie key1=value1&key2=value2...) Concatenated into a string stringA.

Pay special attention to the following important rules：

◆ ASCII codes of parameter names are sorted from small to large (dictionary order);

 ◆ The parameter name is case sensitive;

Perform MD5 operation on stringA, and then convert all characters of the obtained string to uppercase to obtain the token.

**The parameters for verifying the signature are as follows：**

|  |
| --- |
| deviceId:537145393 device IDkey：\*\*\*\*\*\*\* device password |

* The first step: The parameters are sorted according to the key=value format, and the parameter names are sorted according to the ASCII dictionary, and the sorting is as follows: stringA="deviceId=537145393&key=\***\*\***";
* Perform MD5 operation, and then convert all the characters of the obtained string to uppercase, and get the token: token=MD5(stringA).toUpperCase()="9A0A8659F005D6984697E2CA0A9CF3B7"

### **Second, return value description**

|  |
| --- |
| 200 Success ； 401token Check error； 500 Interface request error |

# **3,Archive management**

## **3.1,Add new user/update user**

##### **Brief description**

* Only support a small number of files to update, if you need a large number of files, please insert by page

##### **Request URL**

* http://Device IP:8080/archives/saveUsers

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | list | Data collection |
| idNumber | Yes | string | Unique card number |
| status | No | string | Identity (extended field) |
| faceImg | No | string | Base64 |
| name | No | string | Name |

##### **Request parameter example**

|  |
| --- |
| { "data": [ { "idNumber": "37108119910312641X", "status":"1", "faceImg": "/9j/4AA==", "name": "Mr.Lee" } ]} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

|  |
| --- |
| { "code": 200, "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **3.2,Query user based on card no.**

##### **Brief description**

##### Query user based on card no.

##### **Request URL**

* http://device IP:8080/archives/searchUser

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| idNumber | Yes | string | Unique card number |

##### **Request parameter example**

|  |
| --- |
| { "idNumber": "37108119910312641X"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| code | Yes | string | Processing status code |
| msg | Yes | string | Processing status description |
| data | Yes | object | Query object |
| faceImg | Yes | string | Face picture(base64 format) |
| idNumber | Yes | string | Unique card number |
| face\_state | Yes | string | Face status 0: ‘Binding successful’ -4000: ‘Binding failed’; -4001: ‘Feature extraction failed’; -4002: ‘No face detected’; -4003: ‘Multiple faces’;- 4004: ‘Human face is less than 5050 pixels’; -4005: ‘Side face/head down/head up/face tilt’; -4006: ‘Face is blurred’; -4007: ‘Wear a mask’; -4008: ‘Picture is less than or equal to 5050 Pixels’; |
| name | Yes | string | Name |

##### **Return parameter description sample**

|  |
| --- |
| { "code": 200, "data": { "cmd": "", "createTime": "2021-07-23 15:01:18", "faceImg": "/9j/4AAQSkZJ", "face\_state": "0", "idNumber": "37108119910312641X", "local\_img": "", "name": "Mr.Lee", "status": "1" }, "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **3.3,Delete user based on card no.**

##### **Brief description**

* Delete files of a specific person based on the card number, and delete all files when the card number is -1.

##### **Request URL**

* http://device IP:8080/archives/delUser

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| idNumber | Yes | string | Unique card number |

##### **Request parameter example**

|  |
| --- |
| { "idNumber": "BSC12121"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| code | Yes | string | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter description sample**

|  |
| --- |
| { "code": 200, "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **3.4,Query all users**

##### **Brief description**

* Query all users based on card no.

##### **Request URL**

* http://device IP:8080/archives/allUser

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| idNumber | Yes | string | Unique card number |

##### **Request parameter example**

|  |
| --- |
| { "idNumber": "37108119910312641X"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Request parameter** | **Necessary** | **Type** | **Description** |
| code | Yes | string | Processing status code |
| msg | Yes | string | Processing status description |
| data | Yes | list | Query object |
| faceImg | Yes | string | Face picture(base64 format) |
| idNumber | Yes | string | Unique card number |
| face\_state | Yes | string | Face status 0: ‘Binding successful’ -4000: ‘Binding failed’; -4001: ‘Feature extraction failed’; -4002: ‘No face detected’; -4003: ‘Multiple faces’;- 4004: ‘Human face is less than 5050 pixels’; -4005: ‘Side face/head down/head up/face tilt’; -4006: ‘Face is blurred’; -4007: ‘Wear a mask’; -4008: ‘Picture is less than or equal to 5050 Pixels’; |
| name | Yes | string | Name |
| status | Yes | string | Identity attributes (extended fields) |
| cmd | Yes | string | Operation instruction 1: Relay 2: 485 (extended field) |

##### **Return parameter description sample**

|  |
| --- |
| { "code": 200, "data": [ { "cmd": "", "createTime": "2021-07-23 15:01:18", "faceImg": "/9j/4AAQSkZJRgABAQA/2Q==", "face\_state": "0", "idNumber": "37108119910312641X", "local\_img": "", "name": "Mr.Lee", "status": "1" } ], "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

# **4,Device Configuration**

## **4.1,Device attributes setting**

##### **Brief description**

* Set the device type

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setDeviceAttribute

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| DeviceType | Yes | string | Device type 1: Advertising machine 2: Time Attendance and access control locker machine 3: Offline locker |
| RecognizeType | Yes | string | Identification type 1：Check-in/out 2：Access control 3：Locker |
| WebUrl | Yes | string | Advertising machine URL (home page display) |
| RecognizeInterface | Yes | string | Online verification interface, if it is empty, it will succeed by default, and the identification record will be uploaded through the record upload interface |
| RecordUploadInterface | Yes | string | Upload record interface |

##### **Request parameter example**

|  |
| --- |
| { "DeviceType": "2", "RecognizeType": "2", "WebUrl": "https://www.baidu.com", "RecognizeInterface": "http://47.105.185.154/api/open/faceRecognitionDevice/openDoor", "RecordUploadInterface": "http://47.105.185.154/api/open/faceRecognitionDevice/checkVerificationCode"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

|  |
| --- |
| { "code": 200, "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.2,Set identification modes**

##### **Brief description**

* Set identification modes.Support to call directly through Html front-end page,JS method：setRecognizeType(int iccard，int idcard, int face, int qrcode) Parameter:1 open 0 closed.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setRecognizeType

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| iccard | Yes | int | Ic card Sample:1 Open 0 Closed  |
| idcard | Yes | int | ID card Sample:1 Open 0 Closed  |
| face | Yes | int | Face Sample:1 Open 0 Closed  |
| qrcode | Yes | int | QR code Sample:1 Open 0 Closed  |

##### **Request parameter example**

|  |
| --- |
| { "iccard": 0， "idcard":1, "face":1, "qrcode":1} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.3,Set face parameters**

##### **Brief description**

* Set the face algorithm configuration. Support to call directly through Html front-end page,JS method：setFaceAttribute(String jsonString) Parameter:The json string is consistent with the interface.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setFaceAttribute

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| FaceLiveness | Yes | int | Whether to enable live detection |
| FaceThreshold | Yes | int | Face recognition threshold |

##### **Request parameter example**

|  |
| --- |
| { "FaceLiveness": 1, "FaceThreshold": 68} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.4,Get face library version**

##### **Brief description**

* Get face library version.Support to call directly through Html front-end page,JS method：getState() return jsonstring

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/faceVersion

##### **Request method**

* get

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |
| data | Yes | string | Face library version |

##### **Return parameter sample**

{ "code": 200, "data": "V3.7.3", "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.5,Set repeated recognition interval time.**

##### **Brief description**

* Set repeated recognition interval time.Support to call directly through Html front-end page,JS method：setRepeatInterval(int time) Parameter:Second

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setRepeatInterval

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | int | Sample:1~ Seconds |

##### **Request parameter example**

|  |
| --- |
| { "data": 2} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.6,Set the device volume**

##### **Brief description**

* Set the devie volume. Support to call directly through Html front-end page,JS method：setSound(int sound) Parameter:Volume value 0-100

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setSound

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | int | Volume value:0-100 |

##### **Request parameter example**

|  |
| --- |
| { "data": 2} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.7,Set the device name**

##### **Brief description**

* When using the default standby screen, you can use this interface to set the displayed device name.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setDeviceName

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | string | Sample:Shandong Well Data Co.,Ltd. |
| type | Yes | int | Updated type 1：Device name on standby screen 2： Company name that support technical support |

##### **Request parameter example**

|  |
| --- |
| { "data": 2} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.8,Set supplement light brightness.**

##### **Brief description**

* Set supplement light brightness. Support to call directly through Html front-end page,JS method：setBrightness(int light) Parameter:Brightness 0-100。

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setBrightness

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | int | Supplement light brightness：0-100 |

##### **Request parameter example**

|  |
| --- |
| { "data": 80} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.9,Set password**

##### **Brief description**

* Set password. Support to call directly through Html front-end page,JS method：setNewPassword(String oldpassword,String new password) Parameter:old password，new password.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setNewPassword

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| oldPassword | Yes | string | Old password |
| newPassword | Yes | string | New password |

##### **Request parameter example**

|  |
| --- |
| { "oldPassword": "1234", "newPassword": "5678"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.10,Set device time**

##### **Brief description**

* Set device time。 Support to call directly through Html front-end page,JS method：setDate(String date) Parameter:Time string For example:2021-06-23 16:00:00.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/setDate

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | srting | Time format yyyy-mm-dd hh:ss |

##### **Request parameter example**

|  |
| --- |
| { "data": "2021-06-23 16:00:00"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.11,Set standby logo**

##### **Brief description**

* Set up logos displayed in different positions

##### **Request URL**

* http://device IP:8080/setting/uploadLogo

##### **Request method**

* post / multipart/form-data

##### **Parameter**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| avatar | Yes | file | Picture file jpg/png |
| type | Yes | file | 1：start welcome screen logo 2：Logo in the lower left corner of the standby screen 3：Logo in the upper left corner of the standby screen |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| data | Yes | string | File name uploaded to the server |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

|  |
| --- |
| { "code": 200, "data": "toplogo.jpg", "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **4.12,Device information**

##### **Brief description**

* Get device information.Support to call directly through Html front-end page,JS method：getState() return jsonstring

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/setting/state

##### **Request method**

* get

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

|  |
| --- |
| { "code": 200, "data": { "device": { "android\_version": "rk3288 8.1.0", "app\_version": "Android-4.00.00.00.20210721-RH5", "device\_id": "537145393", "device\_mac": "0A:20:20:04:30:31", "device\_platform": "WEDS\_RK321", "facesdk\_version": "V3.7.3", "ndk\_library\_version": "1.3.0.6 20210628 tianqirk3288 18:03:07", "sdk\_version": "WedsDevSDK\_v2.3.20210630", "service\_version": "Android-3.10.00.00.20190928-Server", "single\_chip\_version": "02\_10\_04\_01\_20200724\_02", "version\_no": "rk3288-userdebug 8.1.0 OPM8.190605.005 163921 (BuildDate:2020-10-26 16:39:21)", "watchdog\_version": "version:1.0.1 build Nov 29 2017 14:28:48" }, "faceCount": 1, "fileCount": 1, "percentage\_cpu": 20, "percentage\_memory": 76, "percentage\_store": 2, "recordCount": 0 }, "msg": "success"} |

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

# **5,Device control**

## **5.1,Relay output**

##### **Brief description**

* Use this interface to realize that the relay is turned on for 3 seconds and then turned off.Support to call directly through Html front-end page,JS method：openDoor(int data)

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/devices/openDoor

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | No | int | Sample:1~ Seconds default 3s |

##### **Request parameter example**

|  |
| --- |
| { "data": 3} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **5.2,Reboot device**

##### **Brief description**

* Perform the restart operation 3s after calling the interface.Support to call directly through Html front-end page,JS method：deviceReboot()。

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/devices/reboot

##### **Request method**

* post

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **5.3,Power on and off the LCD screen**

##### **Brief description**

* Call the interface to control the screen to power on and off.Support to call directly through Html front-end page,JS method：setScreenPower(int data)

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/devices/setScreenPower

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | int | Sample:1 Open 0 Closed  |

##### **Request parameter example**

|  |
| --- |
| { "data": 1} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **5.4,485 signal output**

##### **Brief description**

* The interface control device sends a 485 signal.Support to call directly through Html front-end page,JS method：sendRS485(String data)。

##### **Supported devices**

* N8/G5

##### **Request URL**

* http://device IP:8080/devices/sendRS485

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | string | Sample:485 signal data |

##### **Request parameter example**

|  |
| --- |
| { "data": 2} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **5.5,Open the locker**

##### **Brief description**

* Use this interface to open the locker with the specified box number. When the parameter is -1, all boxes will be opened in sequence every 1s.Support to call directly through Html front-end page,JS method：openCabinet(int cabinetNo)。

##### **Supported devices**

* N8/G5

##### **Request URL**

* http://device IP:8080/devices/openCabinet

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | int | Sample:1（1-max） -1: open all lockers |

##### **Request parameter example**

|  |
| --- |
| { "data": 1} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage:

## **5.6,Play voice**

##### **Brief description**

* Support to call directly through Html front-end page,JS method：speakText(String data)Parameter:Play content.

##### **Supported devices**

* BP30/BD1011/N8/G5

##### **Request URL**

* http://device IP:8080/devices/speakText

##### **Request method**

* post

##### **Parameter Json**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| data | Yes | string | Play content |

##### **Request parameter example**

|  |
| --- |
| { "data": "Welcome"} |

##### **Return parameter description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter name** | **Necessary** | **Type** | **Description** |
| code | Yes | int | Processing status code |
| msg | Yes | string | Processing status description |

##### **Return parameter sample**

{ "code": 200, "msg": "success" }

##### **Remark**

* For more return error codes, please see the error code description on the homepage: