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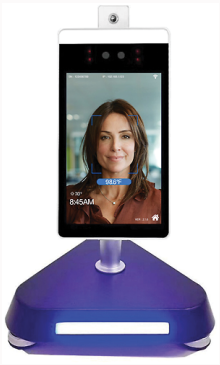
User Manual	Manual de Usuario	Manuel de l'Utilisateur
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente US: 1-800-645-2986	Service à la clientèle Canada: 888-645-2986

Facial Recognition & Body Temperature Camera System



Read this manual thoroughly prior to installation and operation. Keep these instructions in a safe location for future reference. For questions, visit globalindustrial.com or contact Customer Service at 1-800-645-2986.

Model 708528: Counter Stand
Model 708529: 3'H Floor Mount
Model 708530: 4'H Floor Mount



Model 708528



Model 708529



Model 708530

Specifications:

Sensor:	Thermal Imaging Infrared Temperature Sensor
Temperature Range:	95 - 108°F; ±0.5° (35 - 42°C; ±0.3°)
Display:	8" LCD
Recognition Distance:	1.6 to 16 ft.
Response Time:	≤ 0.3 Second
Memory Data:	30,000 Faces
Camera:	2 MP
Lens:	1:2.8, Focal Length .07", Field of View: 118°
Dynamic:	≥ 105dB
Signal to Noise Ratio:	≥ 35dB
White Balance:	Auto, Indoor, Outdoor, Sodium Lamp Mode, Manual
Video:	H.265 Main Profile / H.264 High profile / M-JPEG
Max Resolution:	800 x 1280 @ 30fps
Output Bit Rate:	Auto, Indoor, Outdoor, Sodium Lamp Mode, Manual
Audio Compression:	G711, PCM
USB Interface:	(1) USB
Device Storage:	8G
Power:	DC12V 2A
Interfaces:	Rich Hardware, Integrated 100M Ethernet, Audio, Wiegand, Relay, USB
Mounting Stand Options:	Counter Stand, 3'H Mount or 4'H Mount
Connection:	Ethernet, Wifi, Hotspot
Operating System:	Linux OS
Recording Capacity:	5 million
Product Dimensions:	9-1/2" x 5-1/3" x 1"
Weight:	2 lbs.

Equipment Wiring:

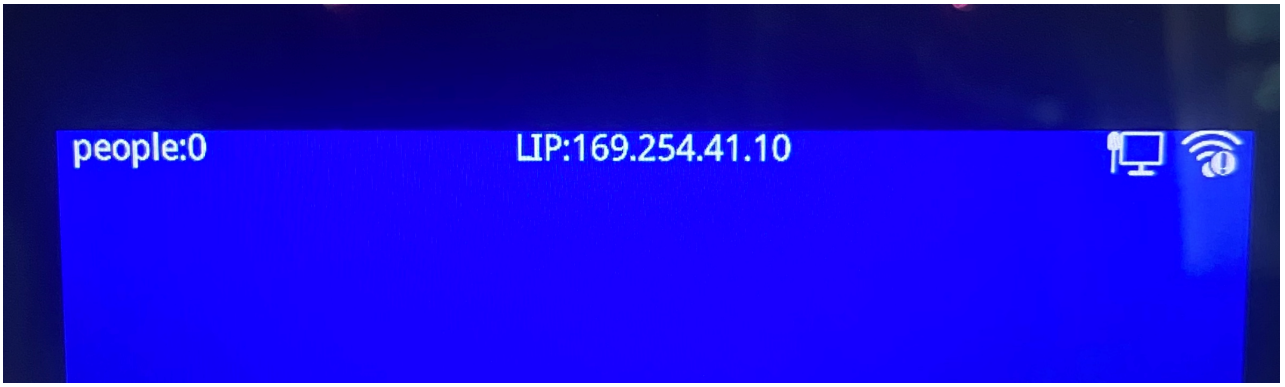


Device Management Background Settings - Local Debugging Tools

Note: Before debugging, the computer and equipment must be in the same LAN.
There are two ways to put the device and the computer in the same LAN:

(1) Computer and device are connected to the same switch or router through network cables.
(2) Computer and device are connected directly through network cables.

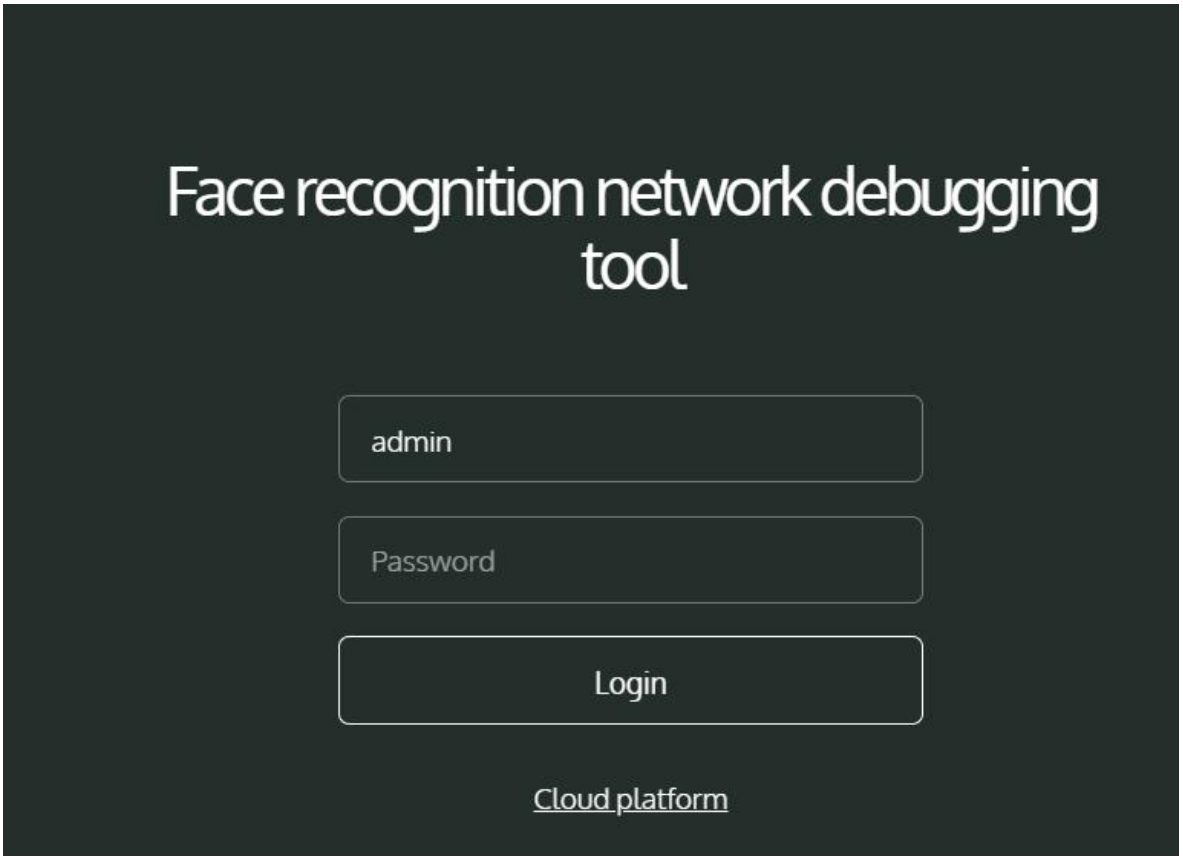
Once the device is powered on, locate the LIP or WIP number displayed on the top of the device (see image below).



Enter this IP address number of the device into your browser:



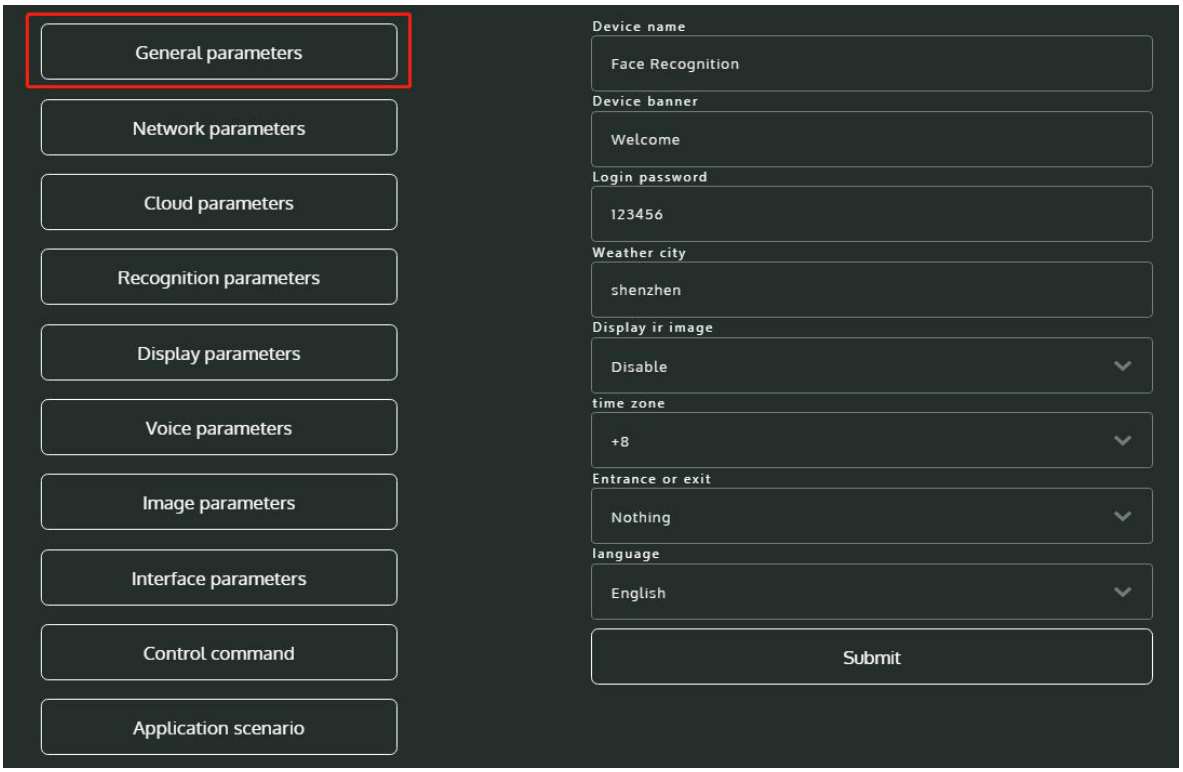
Note: Google Chrome is recommended.



> Enter Account: **admin**
> Enter Password: **123456**

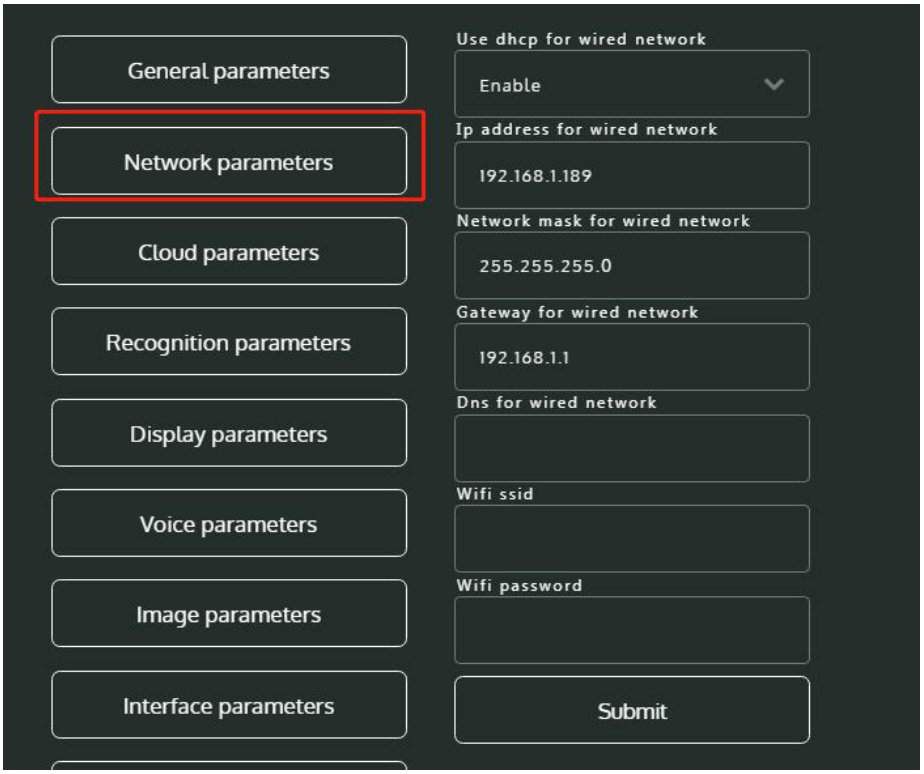
Note: Login password can be reset under “General Parameters” once user is logged in.

1. General Parameters



• **Device Name:** The name displayed in the lower left corner of the device. User can customize.
• **Device Banner:** The text that will scroll in the lower left corner of the device. User can customize.
• **Login Password:** The password used to enter the background management program. Default password is 123456. User can customize.
• **Weather City:** Weather temperature displayed. This feature is not offered for this device; keep default selection blank to disable.
• **Display IR Image**: When enabled, infrared imaging will be displayed on the device when the screen is open. Note: This feature is disabled by default.
• **Time Zone:** The time displayed on the device. User can customize based off current time zone (select between -11 and +12).
• **Entrance or Exit:** This function is for setting the device for the entrance or exit of traffic. This feature is not offered for this device; keep default selection to “Nothing”.
• **Language:** The system supports multiple languages, for both text and voice. Select your language and allow the device to restart.

2. Network Parameters: Device Access



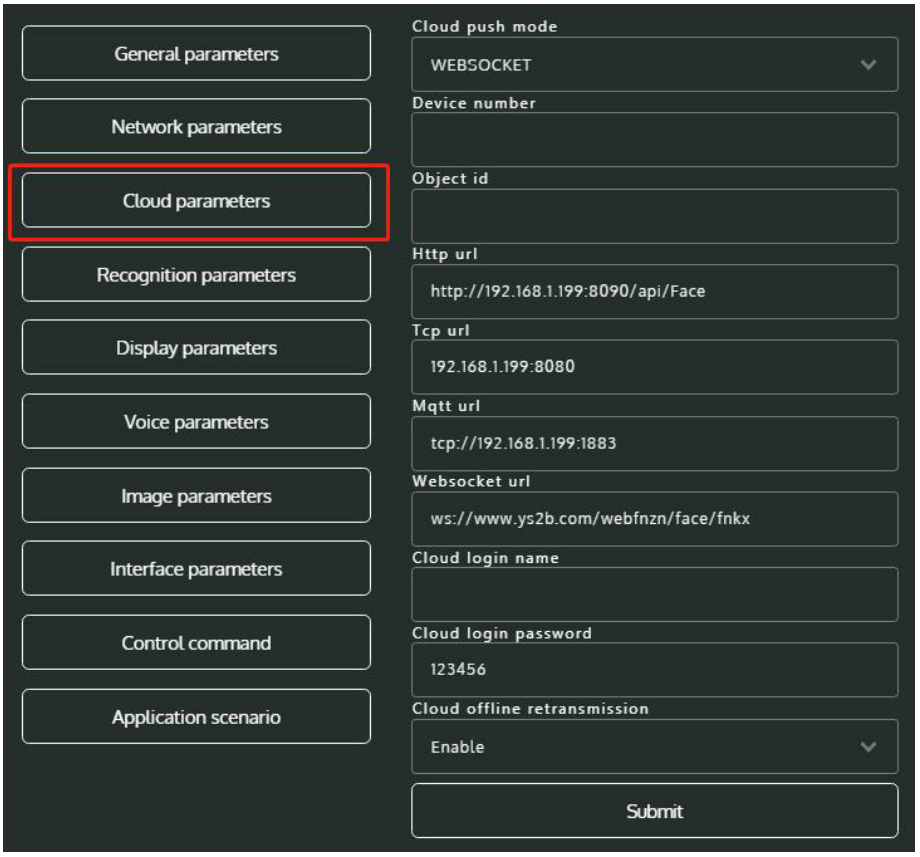
A) Wired Network Connection

DHCP Enable: Automatically configure network IP and other information. It is recommended to enable this feature, so the device can automatically obtain the Internet-capable IP.
DHCP Disable: Manually configure the network IP and other information, need to fix the IP address of the computer, add a network segment for the device to access the Internet;

B) Wireless Network Connection

Enter the available WiFi name and password. Note: This field is upper and lower case sensitive.

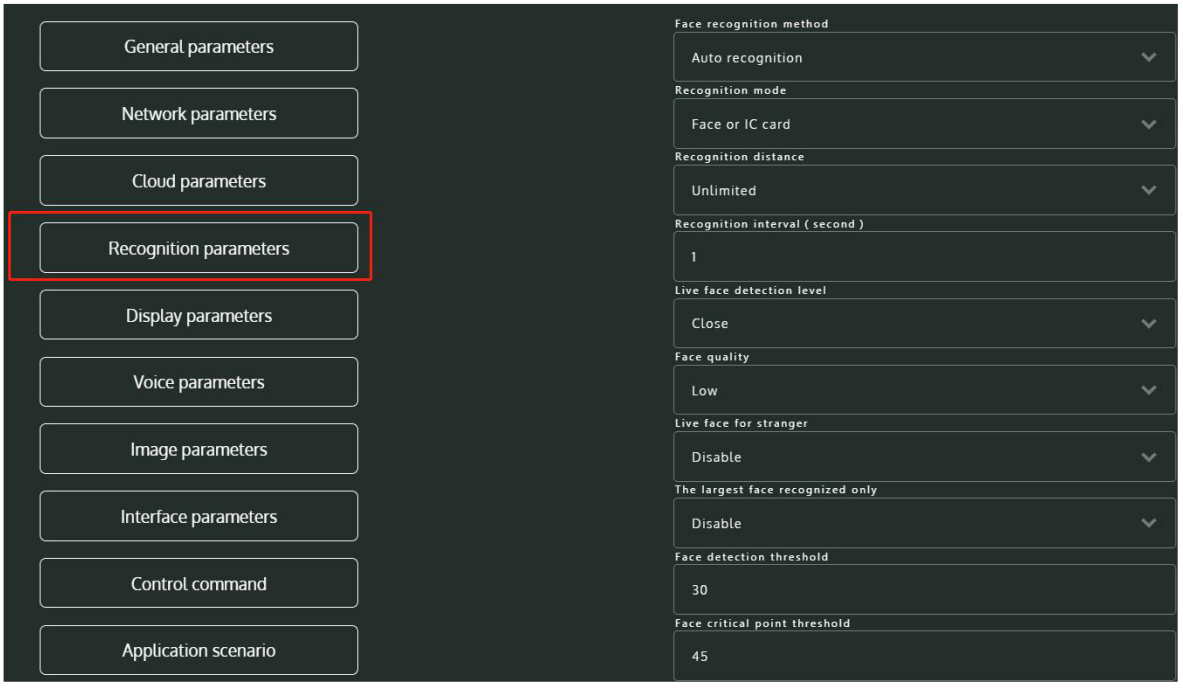
3. **Cloud Parameters:** Cloud Platforms and Docking on Devices

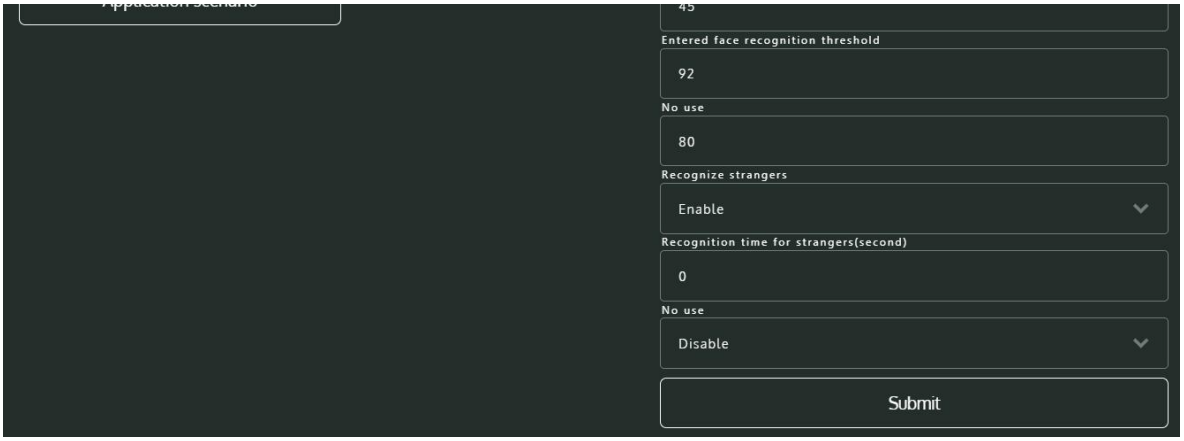


Main Parameters:
> Change the Cloud Push Mode to: “WEBSOCKET”
> Change the Websocket URL to: ws://www.ys2b.com/webfnzn/face/fnkx

Note: To modify the push address, you must power off and restart
Note: All other Cloud Parameter fields should generally not be modified.

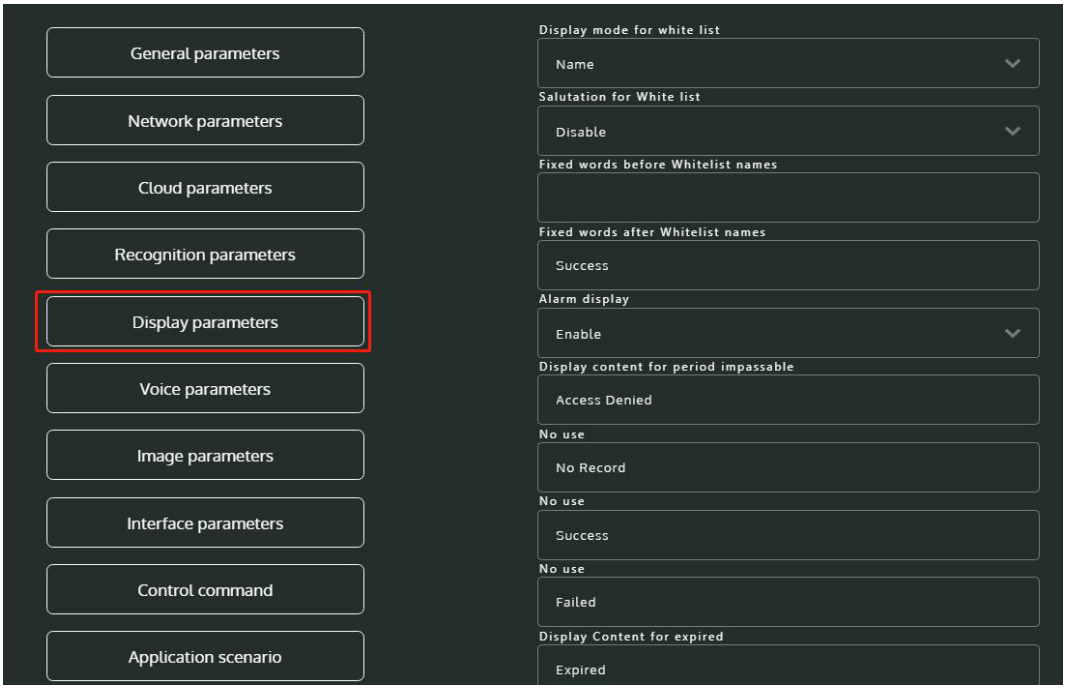
4. **Recognition Parameters:** Device Identification Comparison Parameters

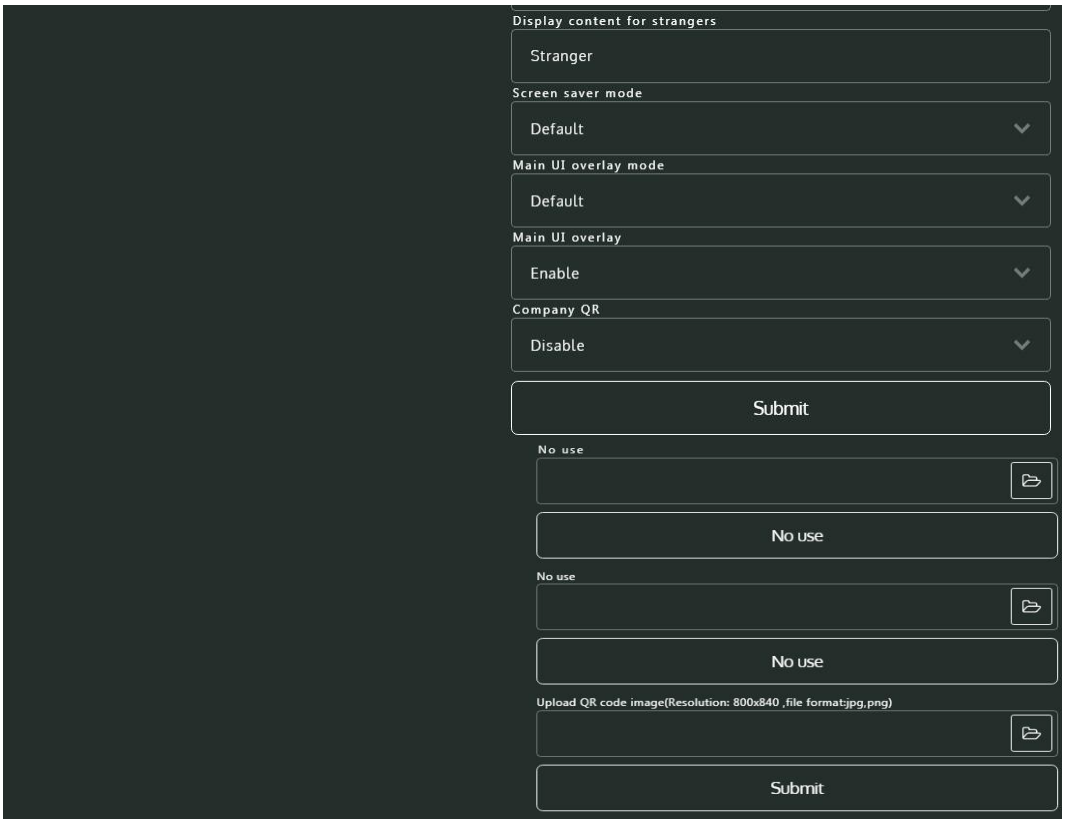




• **Face Recognition Method:** Generally use automatic recognition.
• **Recognition Mode:** Face; Face or IC Card.
• **Recognition Distance:** Set the recognition distance at either: <0.5m, <1m, <2m, <3m or Unlimited.
• **Recognition Interval (Seconds):** 0-99 seconds; the greater the number, the longer the interval.
• **Live Face Detection Level:** Closed, Low, Medium or High (generally set low). Used to distinguish real people's faces from photos. If closed, photos can also be recognized. Low, medium and high are the levels utilized for real face detection. High means the requirement of live person authentication is strict. We recommend customers using photo and real face to make a comparison and then choose the level they want.
• **Face Quality:** Low, Medium or High. Capture the clarity of the picture.
• **Live Face For Stranger:** Disable or Enable. Whether to use live person detection for "strangers" not currently registered in the face database.
• **The Largest Face Recognized Only:** Disable or Enable. Typically, the closest user to the camera will get recognized.
• **Face Detection Threshold:** 30 (recommended default)
• **Face Critical Point Threshold:** 45 (recommended default)
• **Entered Face Recognition Threshold:** 92 (recommended default)
Note: The above thresholds with number 30, 45, 92 are key for face information acquisition and recognition. These default values have been tested and modified by the manufacturer and are highly recommended. User modification may cause problems in face acquisition and recognition.
• **Recognize Strangers:** Enable or Disable. Whether or not to turn on the "stranger" recognition function for those not currently registered in the face database.
• **Recognition Time for Strangers (Seconds):** 0-99 seconds. How many seconds the screen will recognize "strangers" not currently registered in the face database. The larger the number, the longer the interval between identifying the "stranger".
Note: If the interval is set to "0" seconds, the screen will constantly recognize the user and broadcast. It is recommended to experiment with different seconds to experience different results and set time to the users' requirements.

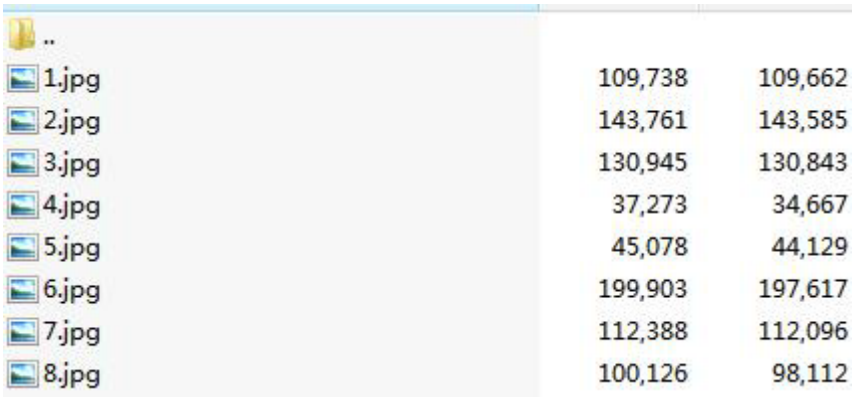
5. Display Parameters: Configure Device to Display Content Parameters



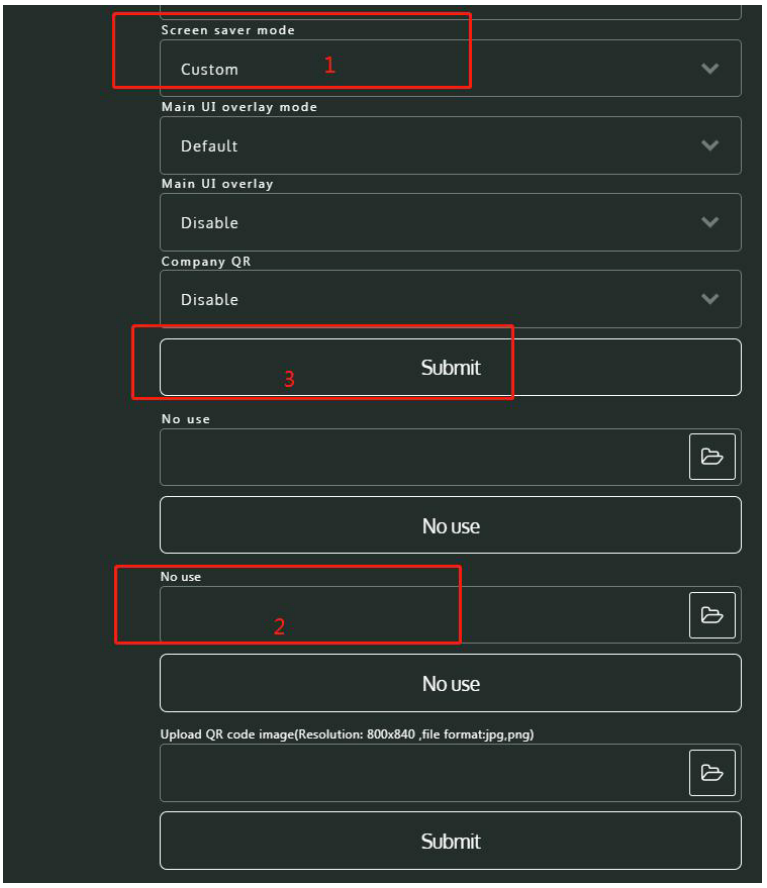


Note: The “no use” fields are not active and have no functionality.

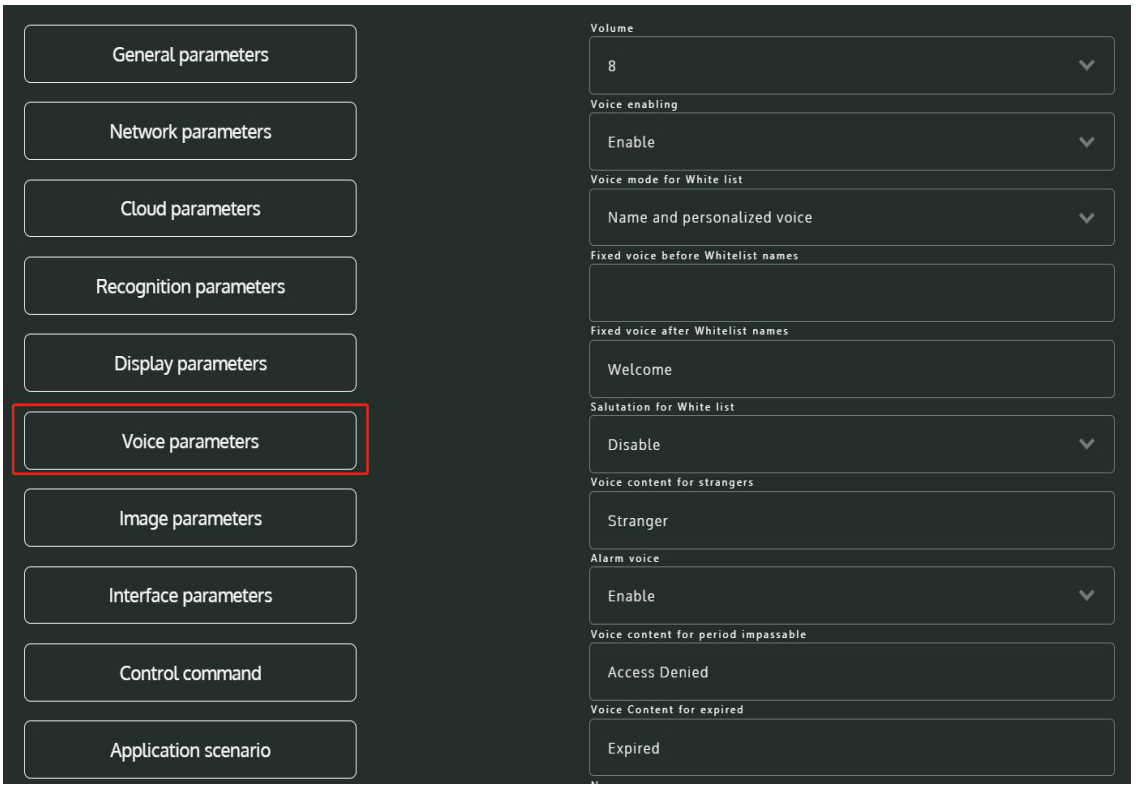
• **Display Mode for Whitelist:** The content displayed after successful face comparison.
Note: The “whitelist” is the user whose face is registered through the cloud or local client platform.
• **Salutation for White List:** Add title after displaying name.
• **Fixed Words Before Whitelist Names:** User can customize.
• **Fixed Words After Whitelist Names:** User can customize.
• **Alarm Display:** User can turn “on” or “off”.
• **Display Content for Period Impassable:** User can customize.
• **Display Content for Expired:** Default: “Expired”; user can customize.
• **Display Content for Strangers:** Default: “Stranger”; user can customize.
• **Screen Saver Mode:** Default screen saver already set. User can customize; refer to “Setting a New Screen Saver” section below.
• **Main UI Overlay Mode:** Default.
• **Main UI Overlay:** Disable or Enable. The Main UI Overlay is the area of the screen with the blue reference block.
• **Company QR:** Disable or Enable. After opening, if the recognition is successful, a QR code can be displayed. The QR code can be used to display names, small videos or tips. Upload a QR code image: Requires resolution 800x840, format file .png; UI Overlay format: Requires resolution 800x840, format file .png; Screen saver package: requires resolution 800x1280, format file .jpg, named from 1.jpg, 2.jpg, to 10.jpg, compressed into zip file and no secondary directory; as shown in the figure below:



Setting a New Screen Saver:
1) Set screen saver mode to “Custom”
2) Upload the compressed file in the format of XXX.zip
3) Click “Submit”

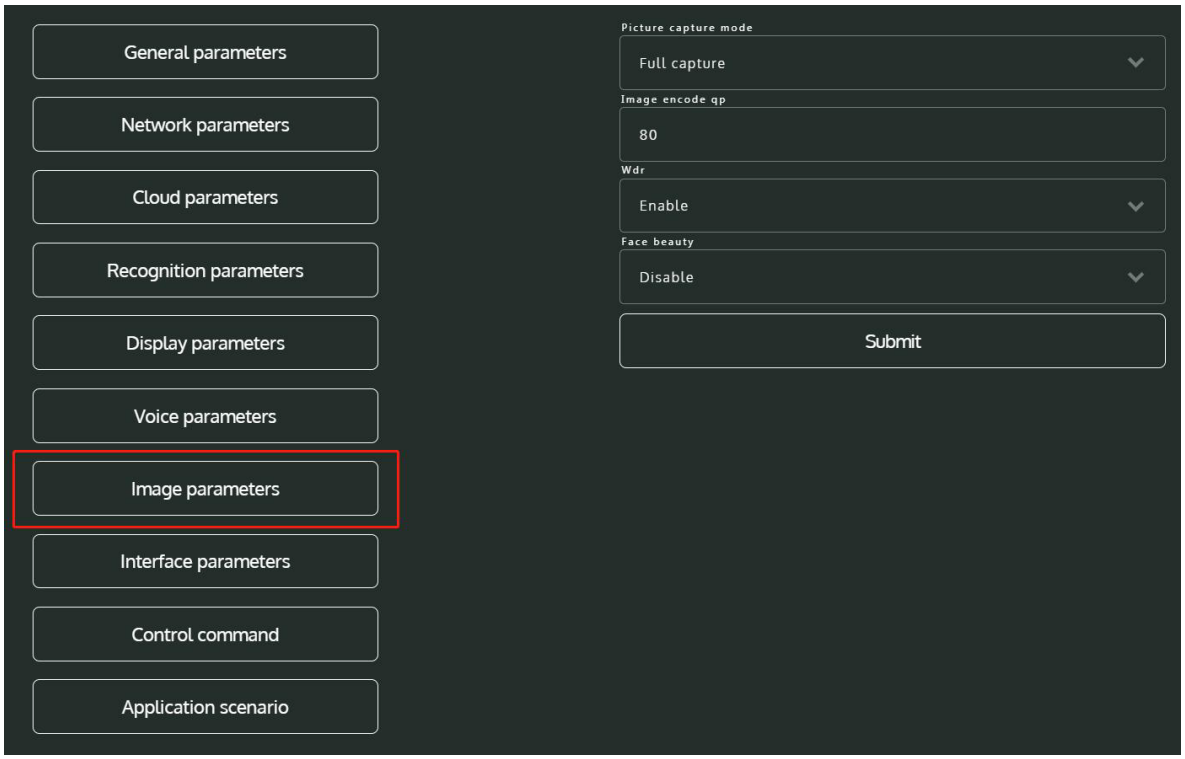


6. **Voice Parameters:** Device Voice Content Parameters



- **Volume:** 0-10, 0 = Minimum; 10 = Maximum.
- **Voice Enabling:** Enable or Disable. If enabled, the user can customize the voice content using the remaining parameters under this section.

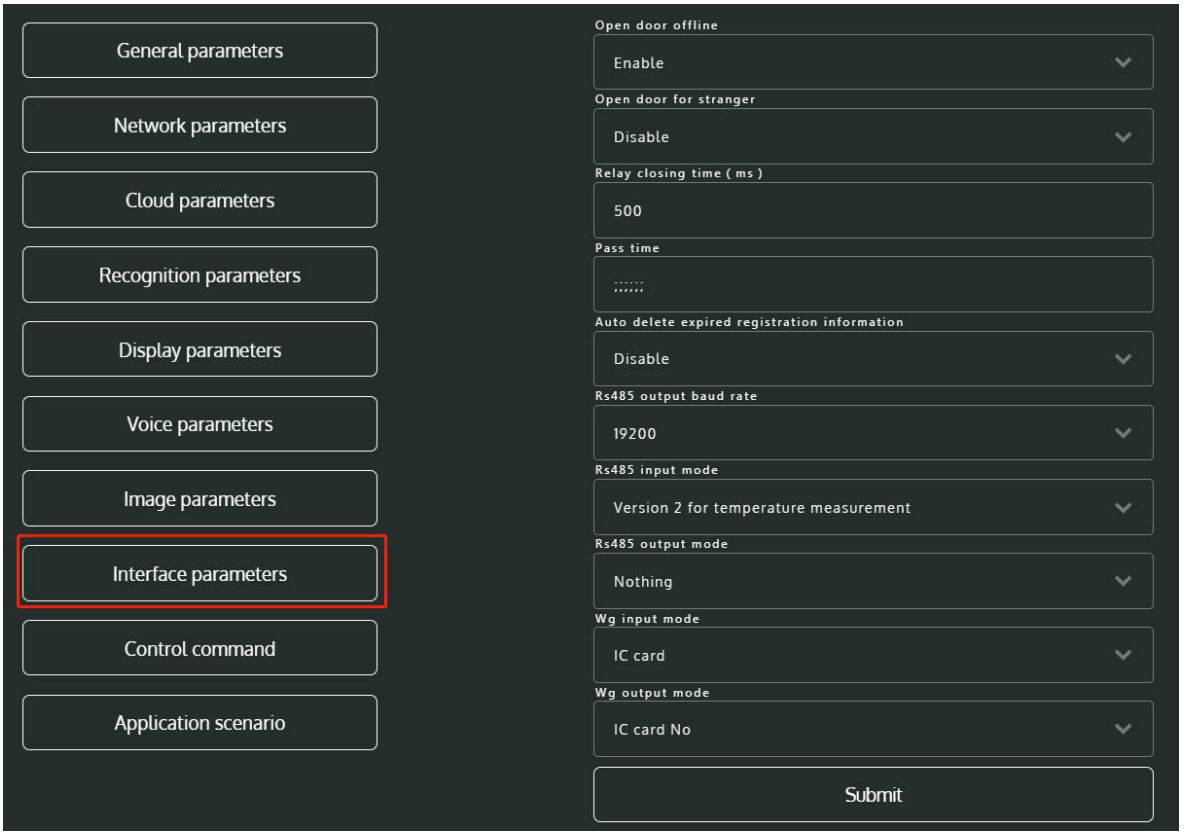
7. **Image Parameters:** Device Image Parameters



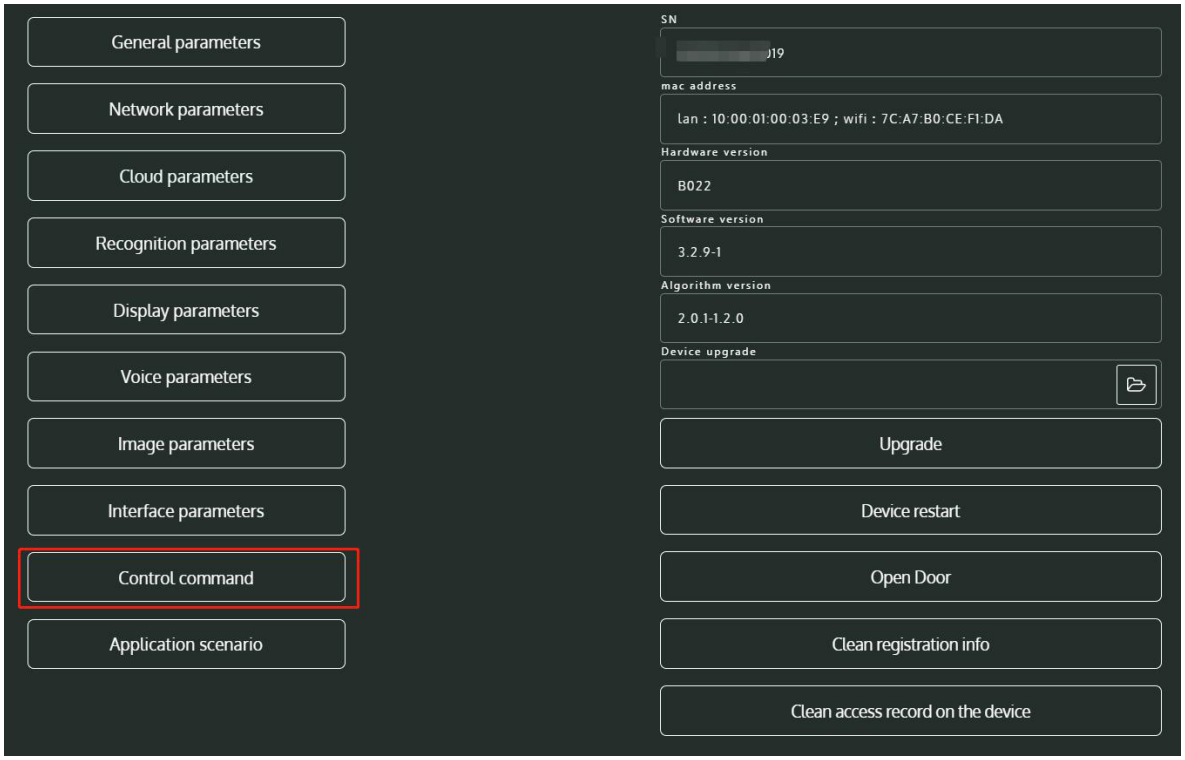
• **Picture Capture Mode:** Full capture, Face capture, or No capture. The capture modes of the face appearing in front of the camera.
• **Image Encode QP:** The quality of the captured image. Default: 80. This default value is recommended, otherwise the recognition effect may be affected.
• **WDR:** Enable or Disable. This feature is not offered for this device; either selection will have no effect.
• **Face Beauty:** Enable or Disable. This feature is not offered for this device; either selection will have no effect.

8. **Interface Parameters:** Configure Device Additional Function Parameters

Note: The equipment interface parameters are used with other external devices such as gate machines. If user isn't using an external device, keep the default parameters selected.



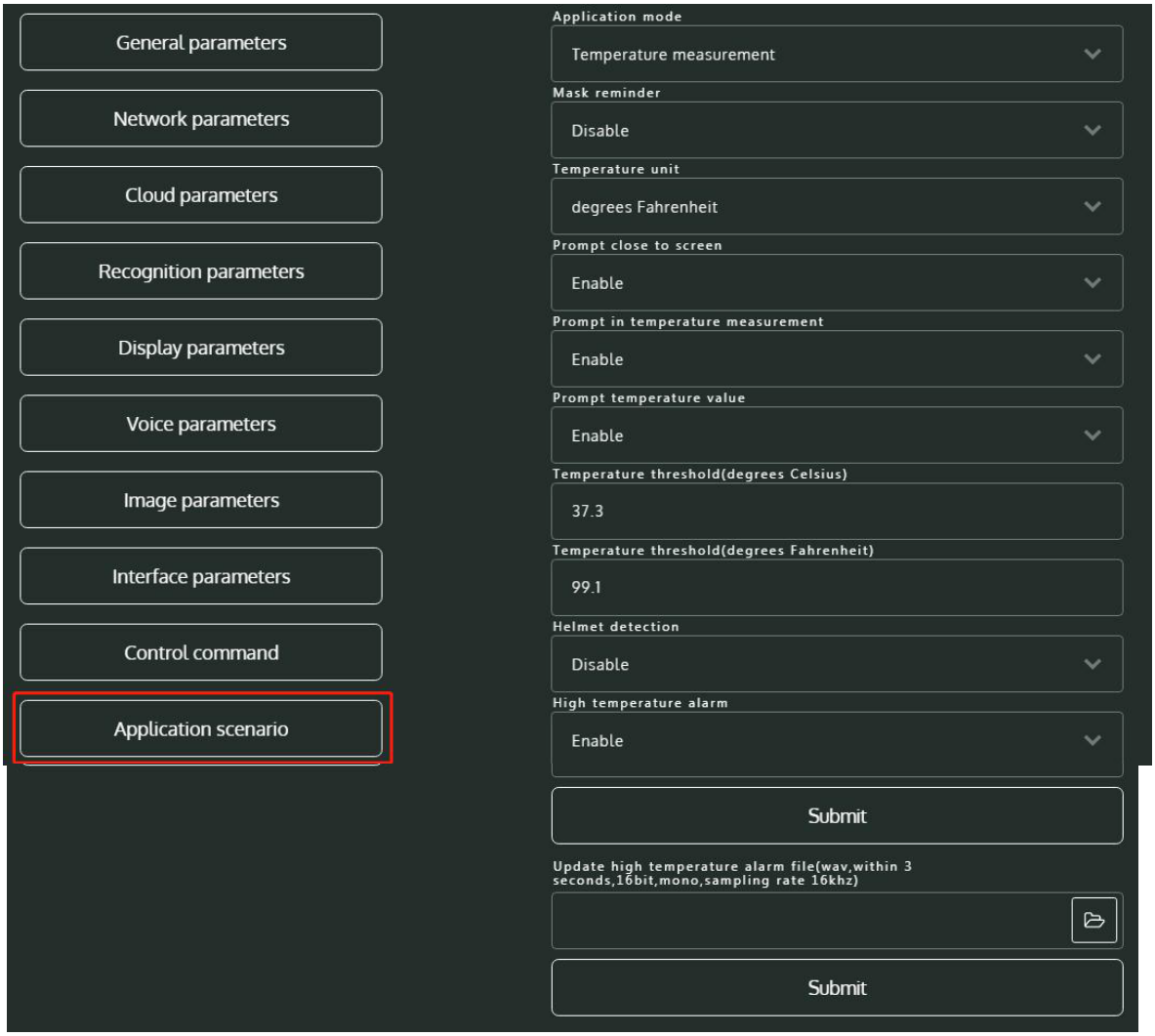
9. **Control Command:** Device Firmware Parameters



Upgrading firmware: Uploading .bin files in compressed packages, Prompting web pages to appear after upgrading, Clearing up registration information: cleaning personnel sent to equipment, cleaning the traffic record: clean the record data of equipment identification.

Upgrade Steps:
1) Choose the XXX.bin file
2) Click “Upgrade”
3) Allow interface/device to restart
4) Re-enter the “IP” address
5) View device version number. “Algorithm Version”

10. **Application Scenario:** Device Application Scenario Configuration



- **Application Mode:** Temperature Measurement or Normal (without temperature).
- **Mask Reminder:** Disable or Enable. When enabled, will alert user if mask is not detected.
- **Temperature Unit:** Degrees in Celsius or Fahrenheit.
- **Prompt in Temperature Measurement:** Disable or Enable.
- **Prompt Temperature Value:** Enable or Disable.
- **Temperature Threshold (Degrees Celsius):** XX.X (keep decimal)
- **Temperature Threshold (Degrees Fahrenheit):** XX.X (keep decimal)
- **Helmet Detection:** Disable or Enable. When enabled, will alert user if helmet is not detected.
- **High Temperature Alarm:** Enable or Disable.

Note: Update high temperature alarm file (.wav, within 3 seconds,16 bit, mono.sampling rate 16khz).

Face Recognition Cloud Platform and Client Instructions

Login

1. Cloud Platform Account

(1) Cloud account login information is provided on the label inside the camera system box. If unable to locate, contact Global Industrial Customer Service at 1-800-645-2986.

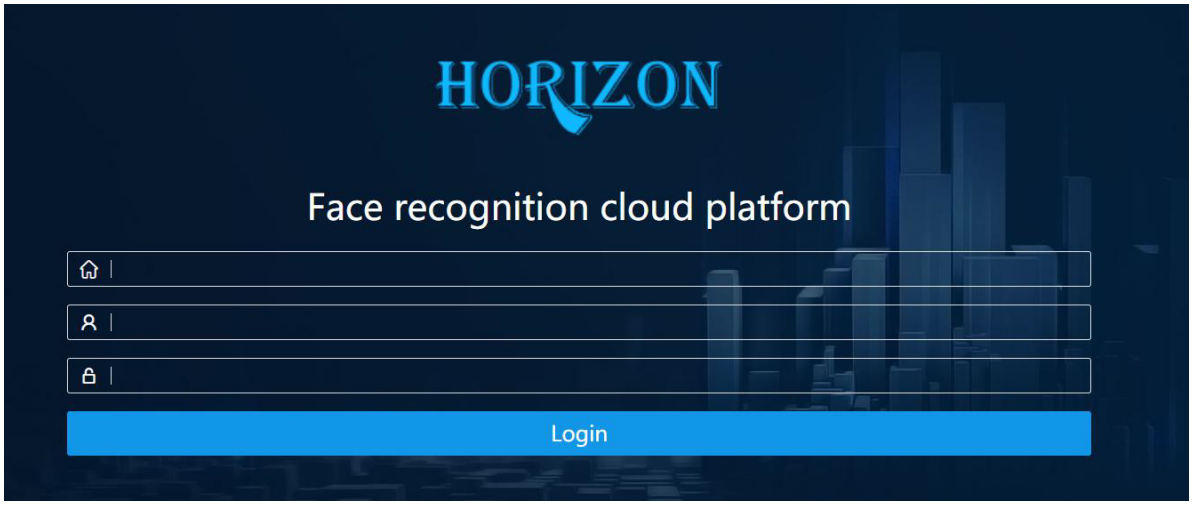
(2) Personal account information will be obtained in the following format:

Enterprise domain:fy

Technology User Name: ceshi:

Password :******

Address: http://www.ys2b.com/obpm



2.Local client

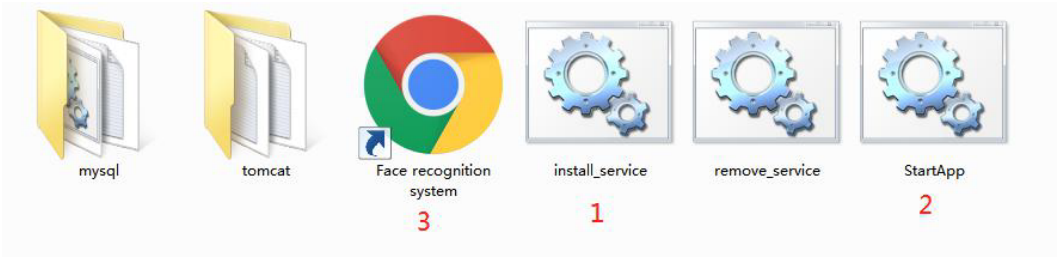
Note: Only operate on the first connection

(1) Installation environment

http://www.fnzn.net/en/faceapp64.zip (Copy the URL to the browser to download automatically)

(2) Unzip, unzip the file faceapp.rar to X: root directory(X:C;D;E;F)

(3) Open the faceapp fileEnter enterprise domain, account number, password after the point [login] into the face recognition cloud platform.

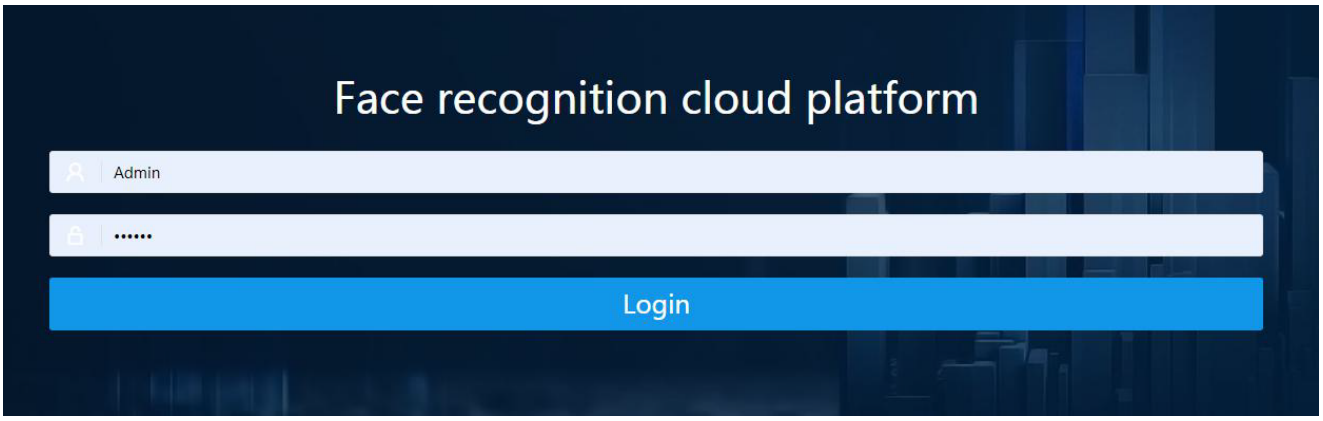


Run install_service, bat as an administrator and wait for the operation to complete

Run StartAPP as an administrator and wait for about 2 minutes.

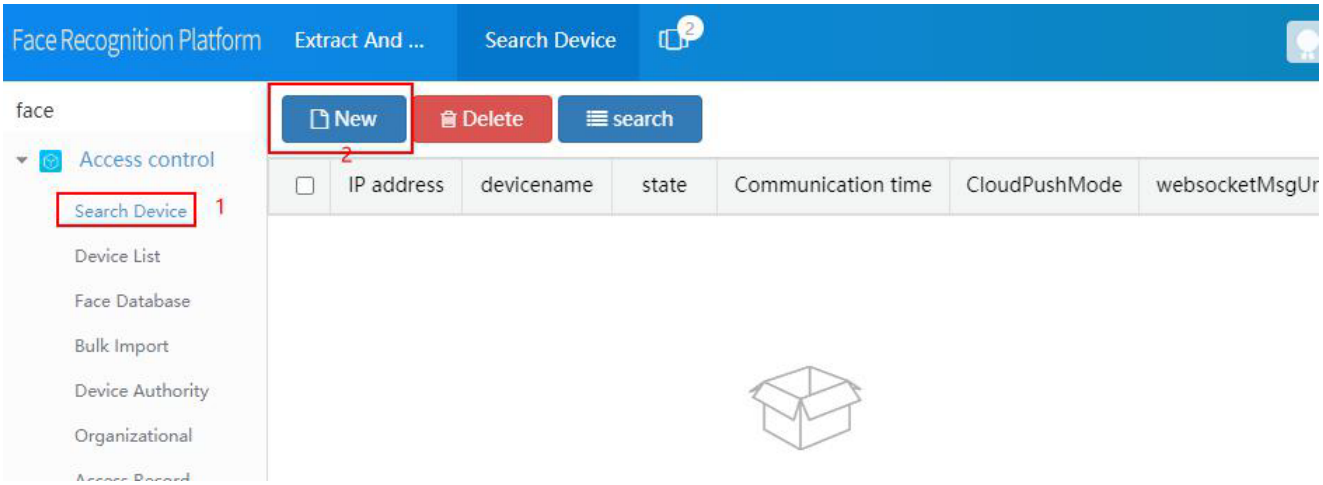
Open the face recognition system, **login username: Admin** **password: 123456**

***NOTE: Use of Win10 system must open port 8081 or close firewall.**

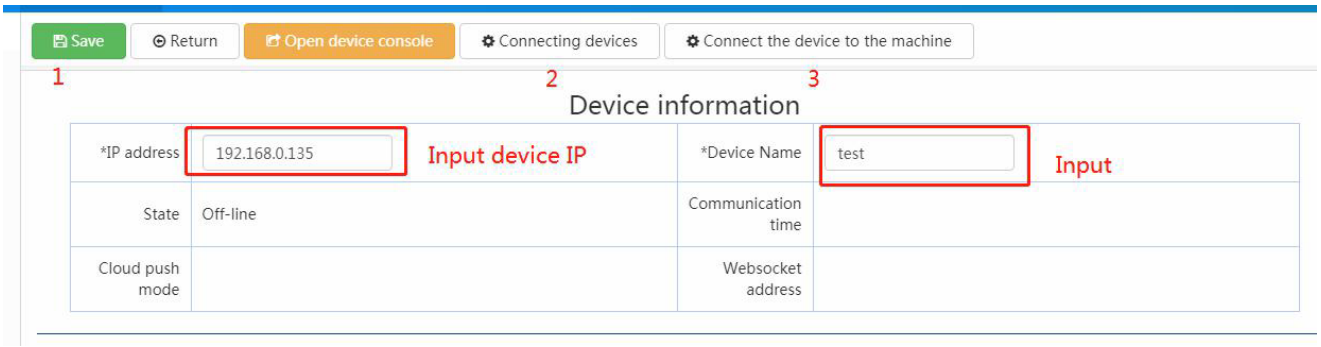


（4） Add devices to the platform

Click Access control and then click search device ,final click new



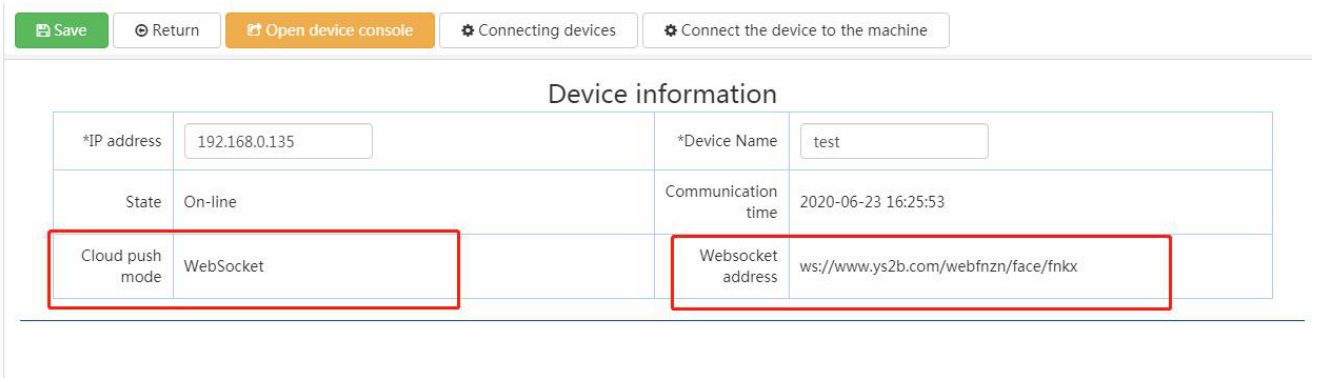
Enter the IP address of the device, the name can be set by yourself



* **NOTE:** Be sure to click “Save”

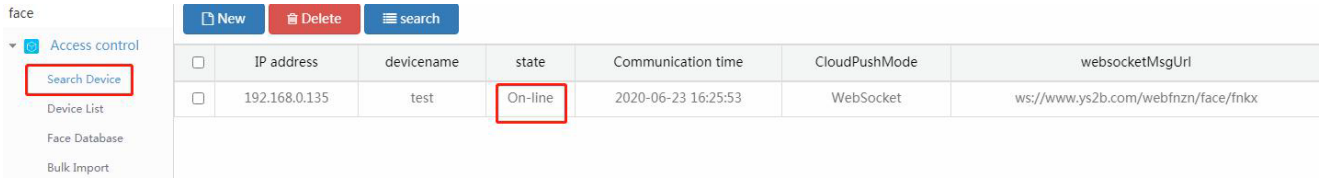
（5）Connect the platform

Click to connect the device and wait until the following picture appears:



① Click "Connect the device to the machine". Wait for the device to restart (approximately 2 ~ 3 minutes)

② Re-enter the webpage and open-Device Maintenance-You can see that the device is online, the online device SN number is the same as the SN number at the bottom of the device screen



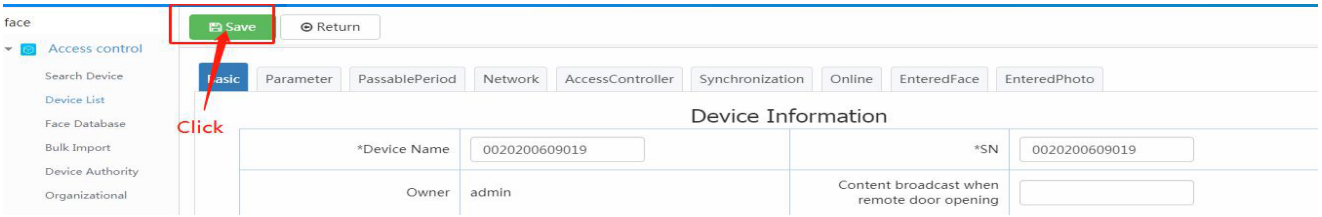
(6)View devices in Device List

The first time you connect, you must refresh the page first. It takes about 1 minute.

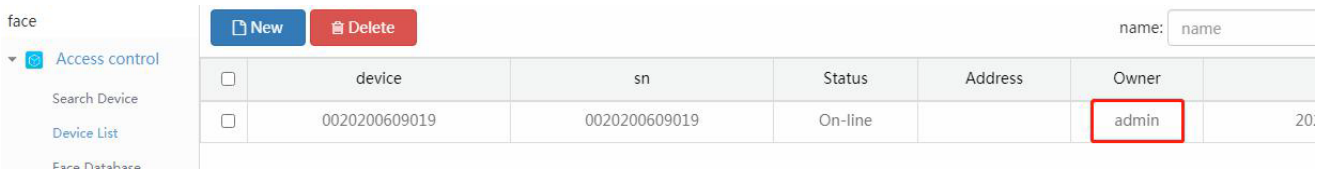
①Device online



For the first connection, the user must be set



The user who belongs to it can be used normally

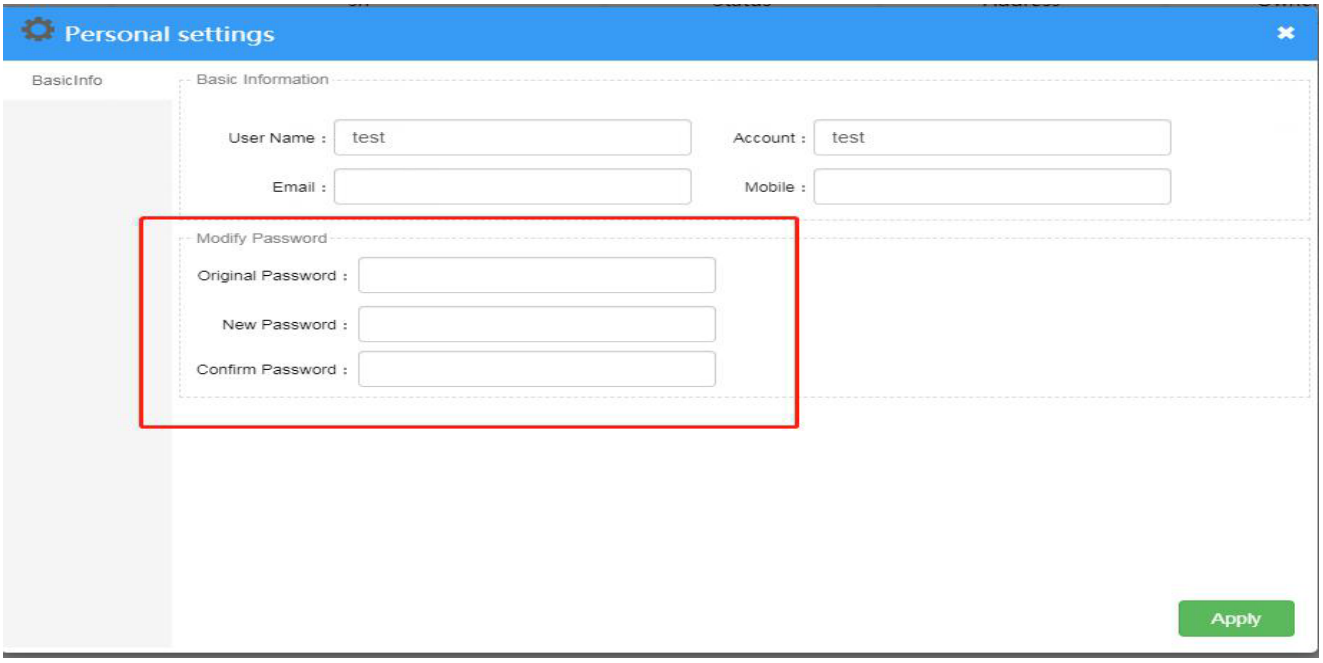


②No Device

Open port 8081, refresh the web page, you can see the device

(7) Change Password

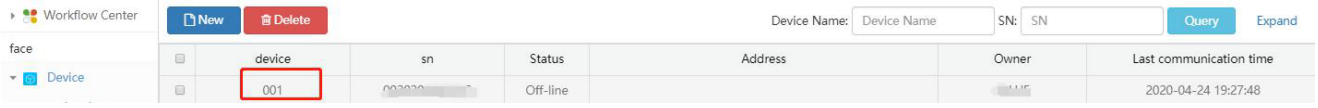


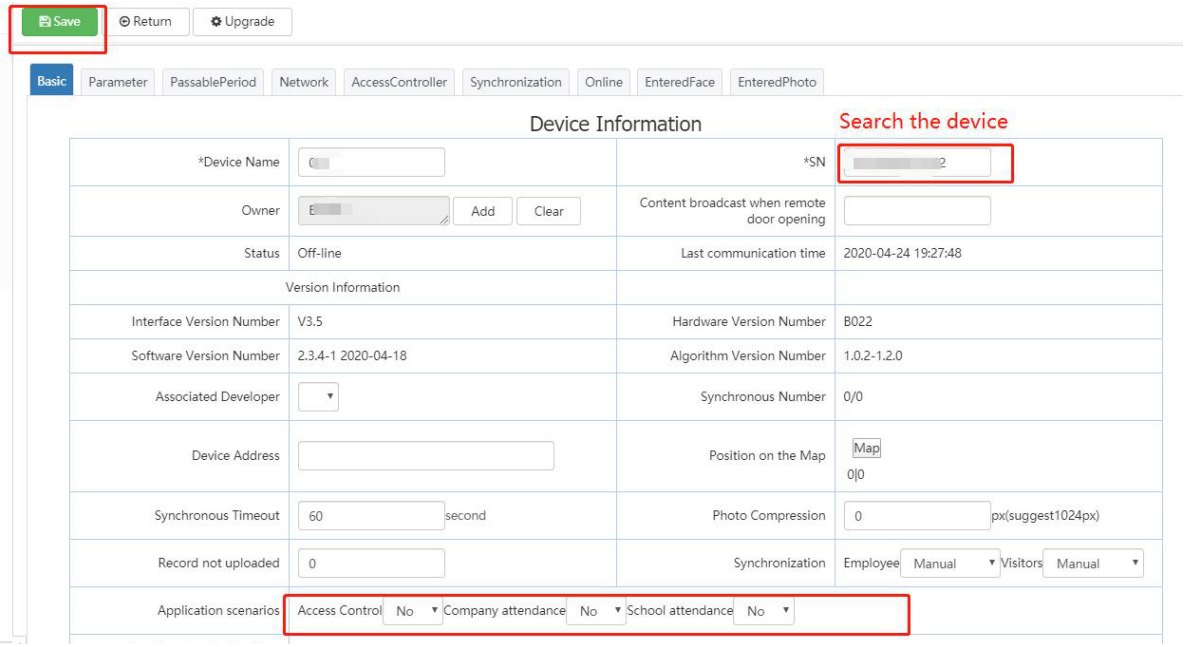


Access Control Equipment

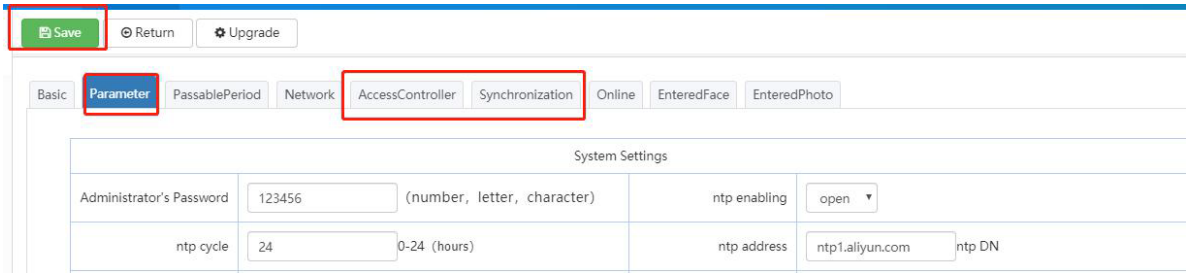
1 Device List

1.1 Basic information: if there is a device name, click the device name directly; if there is no device name, click [new], fill in the device information, version information on the basic information page, select the use scene, then click [save], need to synchronize to the device click [device parameters] under the "device operation" page, and then see the synchronization status in the "synchronization information" page, as shown in the following figure:

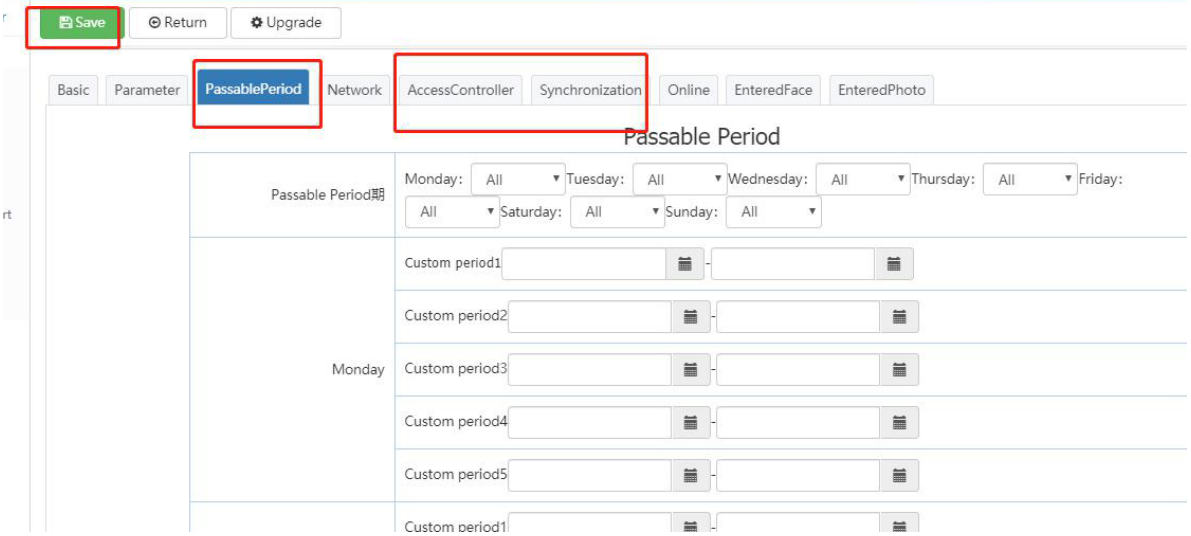




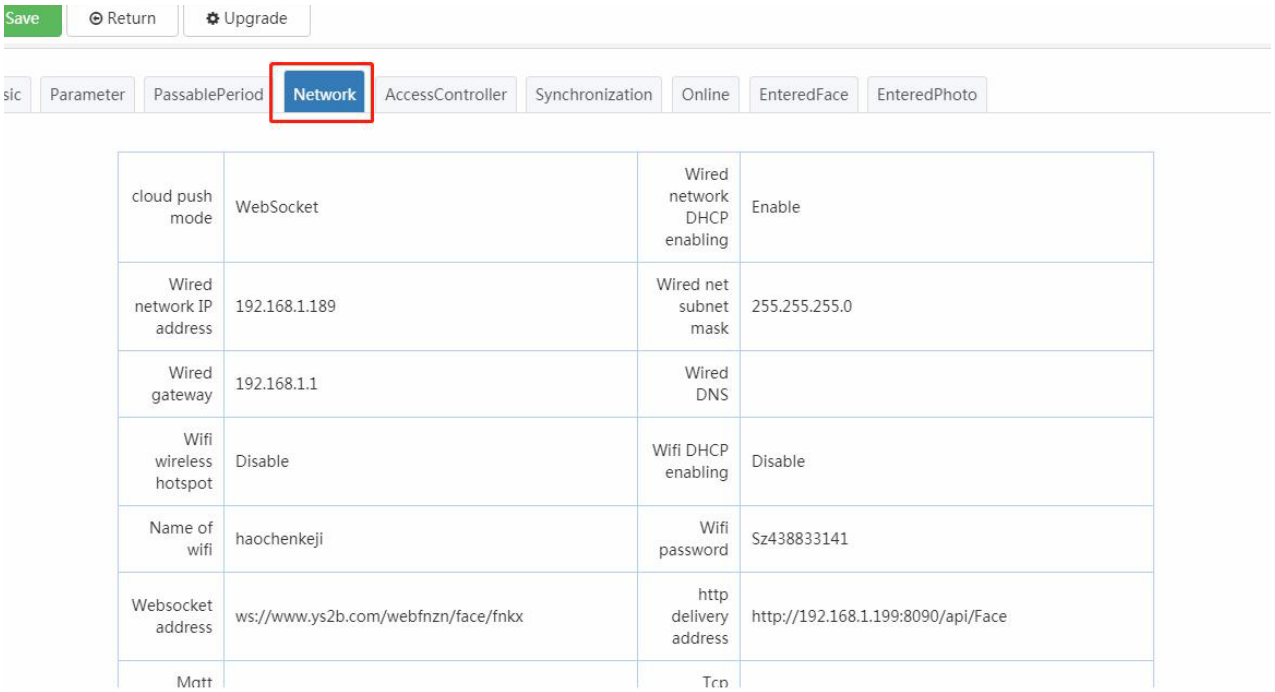
1.2 Parameter Information: Click [Parameter Information], set each parameter information, then click [Save], need to synchronize to set Click Device Parameters on the Device Action page and view the synchronization status on the Synchronization Information page, as shown below



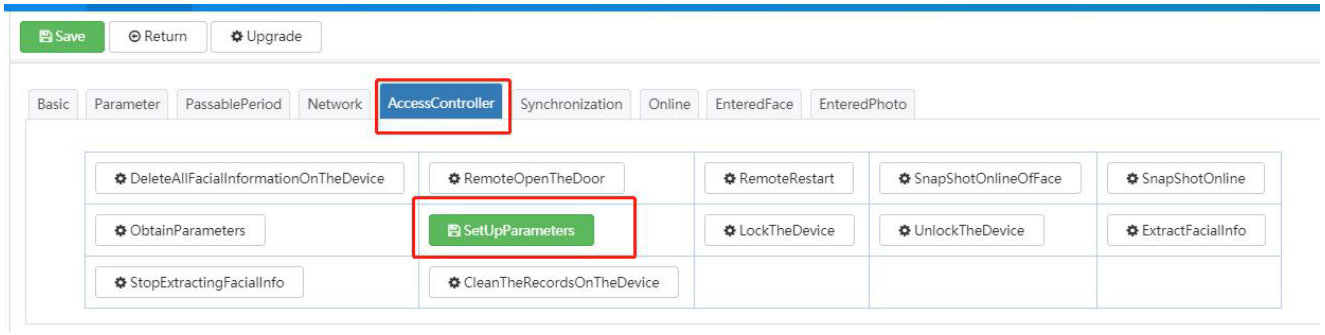
1.3 Passage Time Settings: Click on [Passage Period], set the custom time period of the passable date, Monday to Sunday, then click [Save], need to synchronize to the device click [Device parameters] under the "Device Operation" page, and then view the synchronization status in the "Sync Information" page, as shown in the following figure:



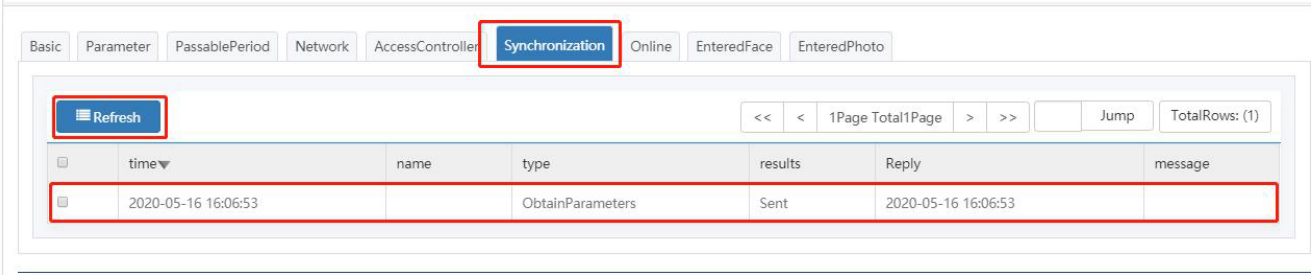
1.4 Network Information: Click [Network Information] to view, as shown below:



1.5 Equipment operation: after all the parameters are set, click [set parameters] in the [device operation] page, you can synchronize the set parameters to the device, as shown in the following figure:

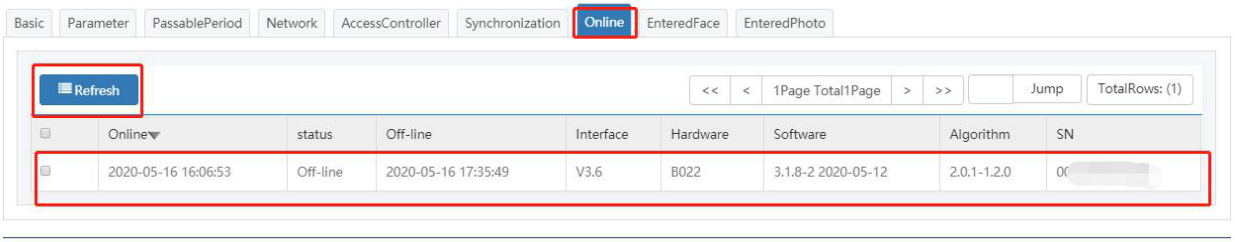


1.6 Synchronization information: click on [synchronization information] to view the status of equipment synchronization information, to view the current operation click [refresh] to view the current operation synchronization information, as shown in the following figure:

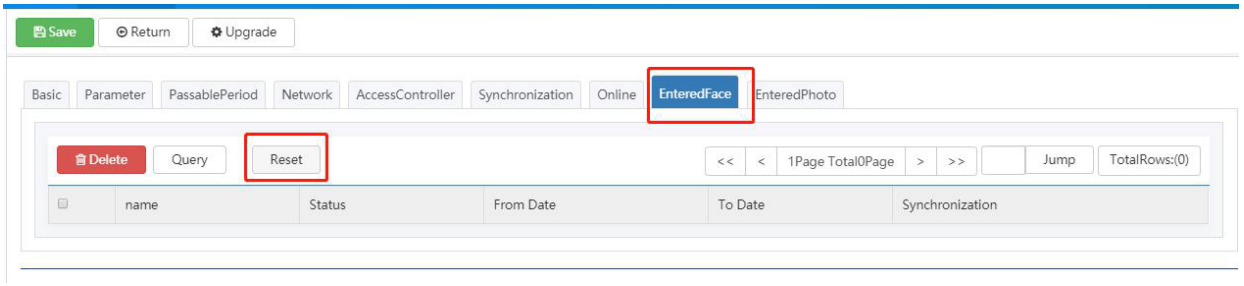


1.7 Online Information: Click [Online Information] to view the device online status to view the current new access device click

You can view the current online status of the access device, as shown below:

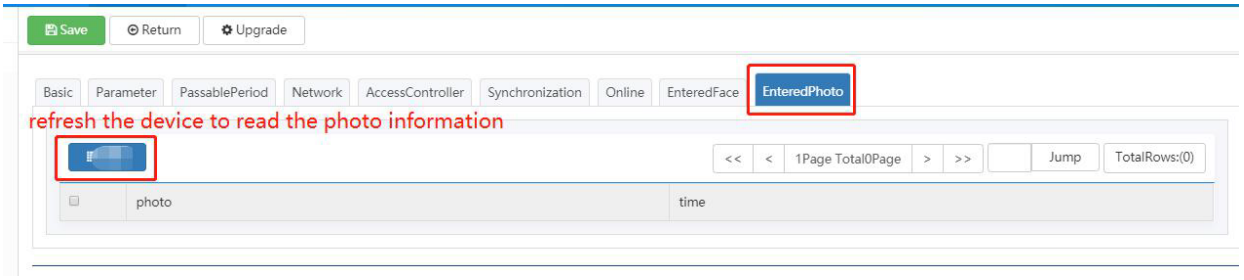


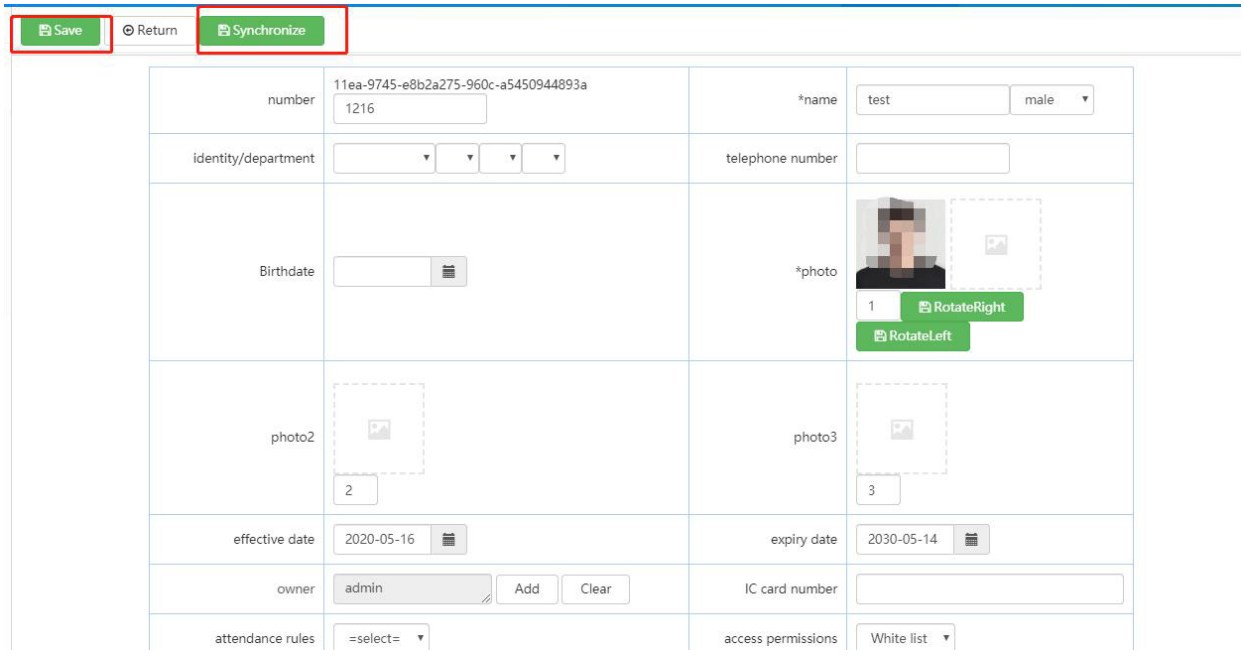
1.8 Equipment personnel: click [equipment personnel] to view the status of equipment personnel, to view the current operation click [reset] to view the current operation of equipment personnel information, as shown in the following figure:

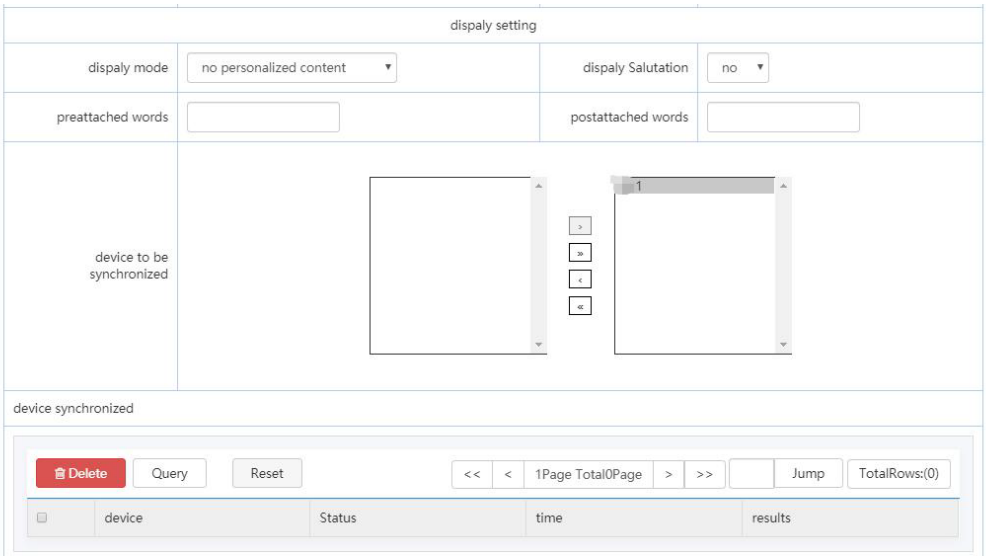


1.9 Deice Photo : Click[Device Photo] to view the device photo information (only online photos can have device photos), to view the current operation click [refresh] to view the current operation

photo information, as shown in the following figure:







2.Face Database

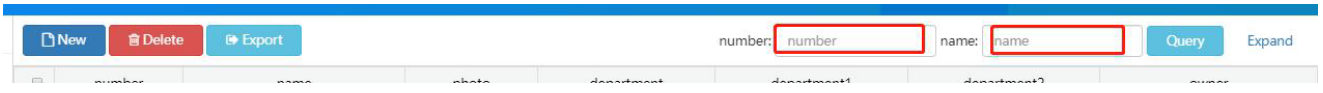
2.1 Click [New], fill in personnel information, broadcast settings, display settings, and then click [Save], select the device to be synchronized and then click [Synchronize to the deviceimmediately],[broadcast parameters Synchronize to the device] can, as shown below



2.2 Delete the person information, tick the name of the registration information to delete, click [delete] can:



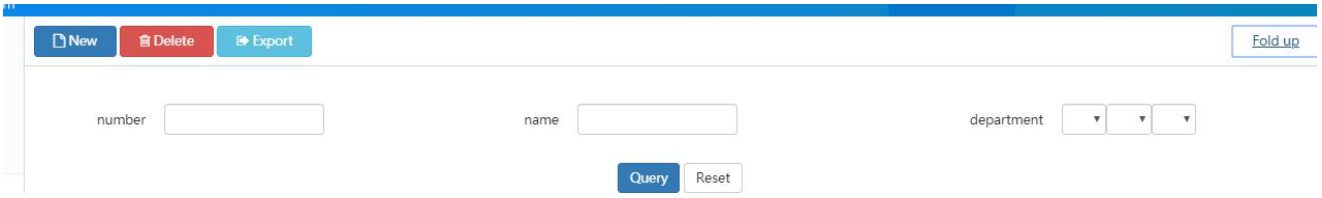
2.3 Export personnel information, click [export] to export registration information to the Excel form:



2.4 Query personnel information, enter the number or name, click [query] can:

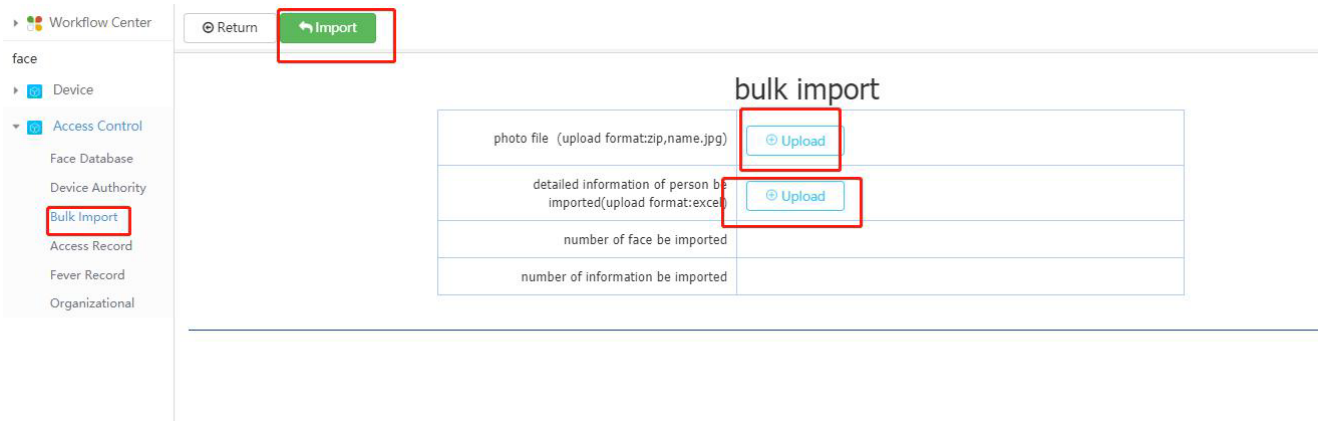


2.5 Advanced query, click [advanced], fill in the number, name, select department, click [query] can:



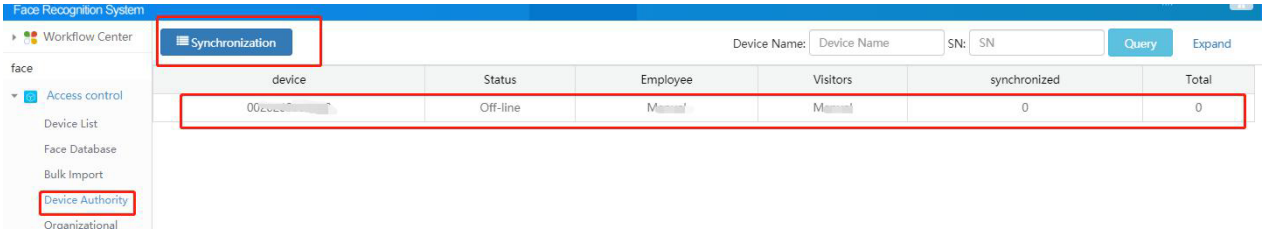
3.Bulk importers

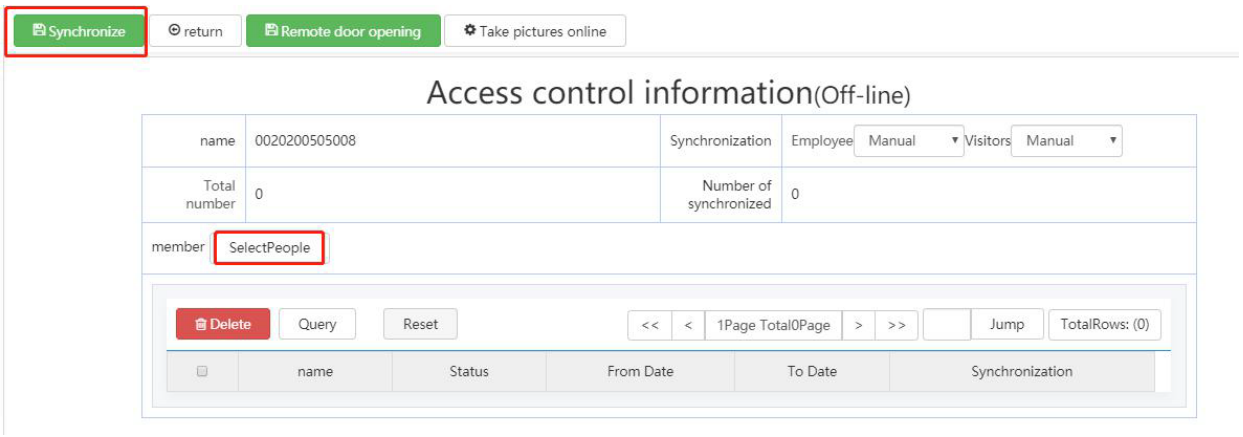
3.1 Click [New], upload face file, face information file (Note: a face must correspond to a person information, otherwise can not import), click [Import] can, as shown in the following figure:

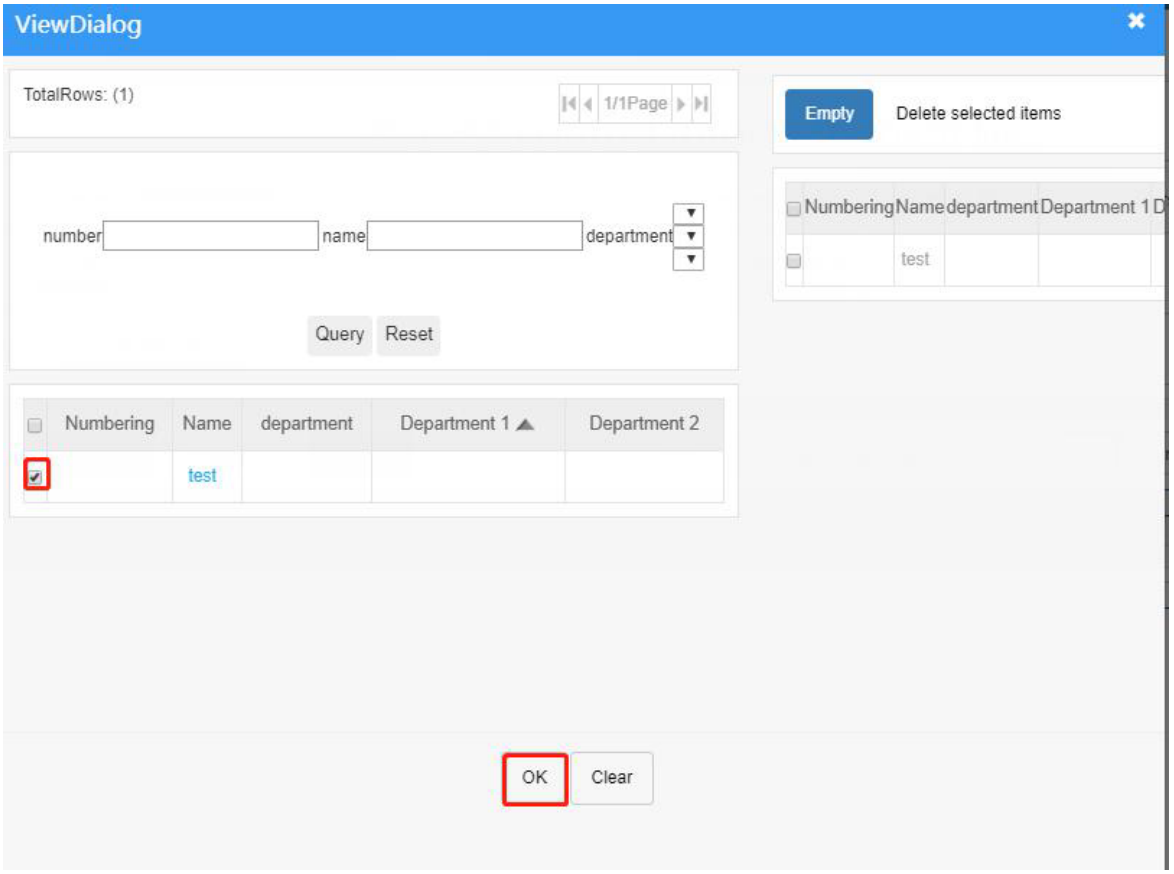


4.Device Authority

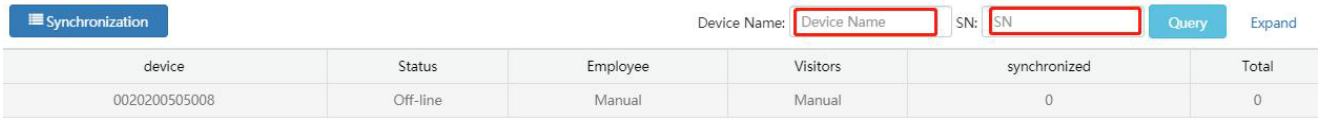
4.1 Click [automatic synchronization], you can automatically synchronize employees, visitors to the device, click on the specific device name to view the device access information. New members click [Select Person], tick the person in the view box (multiple selections are allowed), click [Synchronize] when you are sure, as shown below:



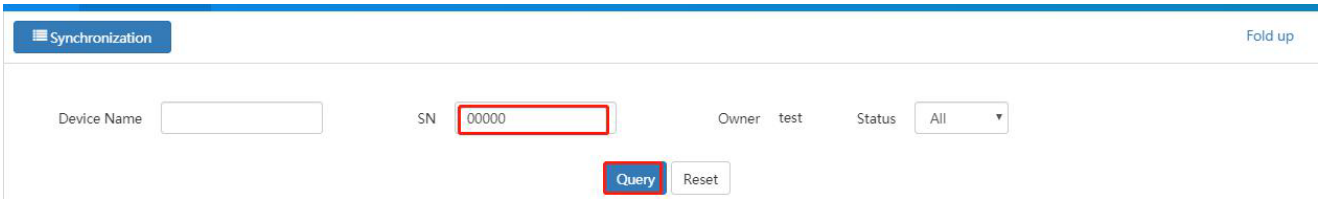




4.2 Query access control settings, enter the device name, device number, click [query] can:

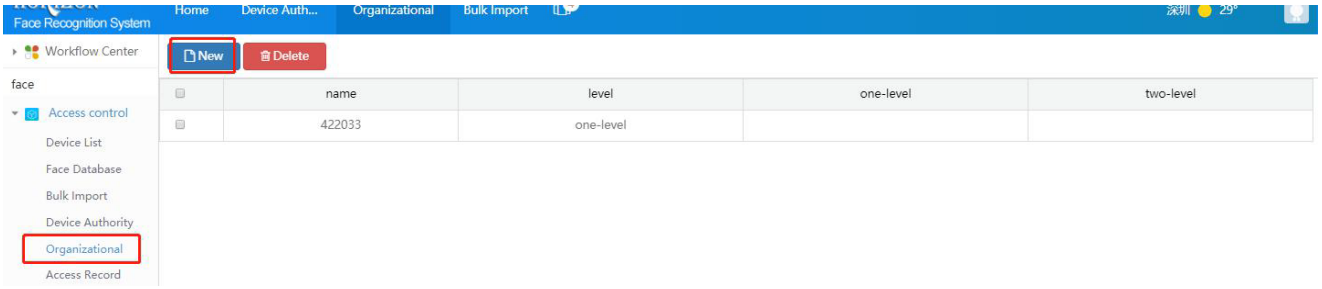


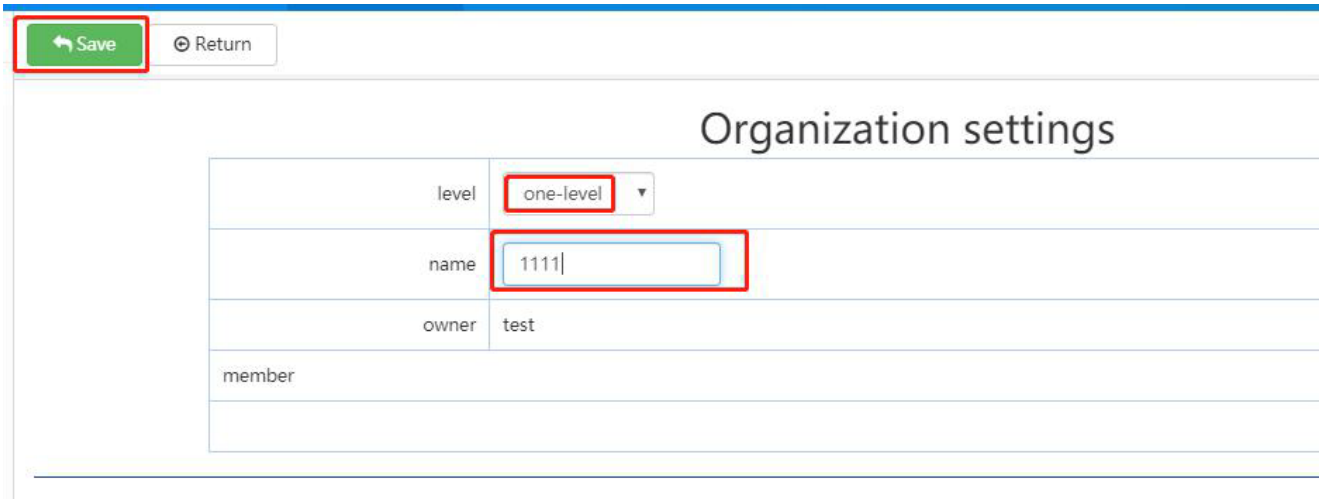
4.3 Advanced query, click [Advanced], fill in the device name, device number, select status, click [Query] can:



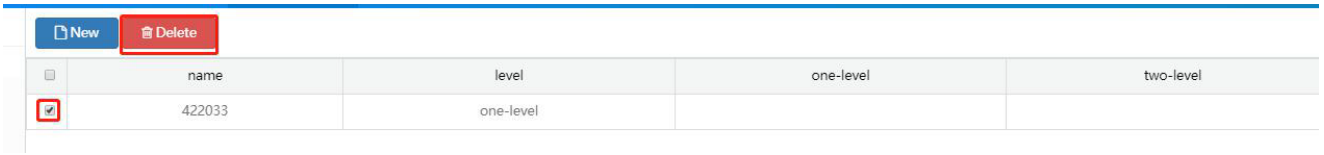
5.Organizational

5.1 Click [New], fill in the visitor registration information, then click [Save]





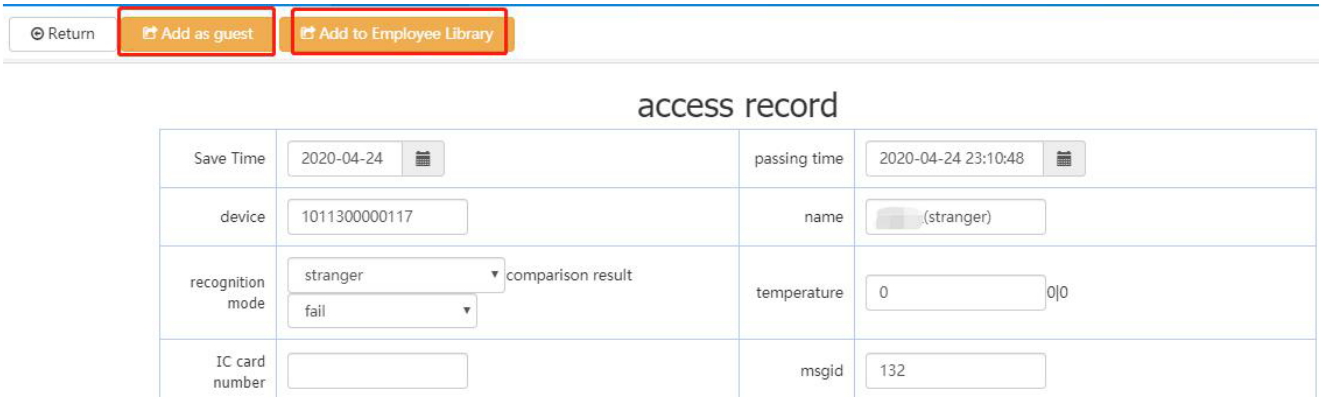
5.2 Delete visitor information, tick the name of the visitor to delete, click [delete] can:



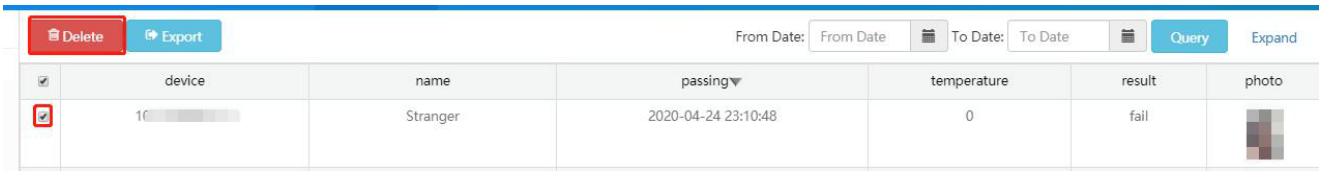
6.Access Record

6.1 Click on the information you want to view, see the details of the traffic, you can see the card records, ID card information, you need to add click [Add as guest],[Add to Employee Library] can, as shown in the following figure:





6.2 Delete traffic information, tick the information to delete, click [delete] can:



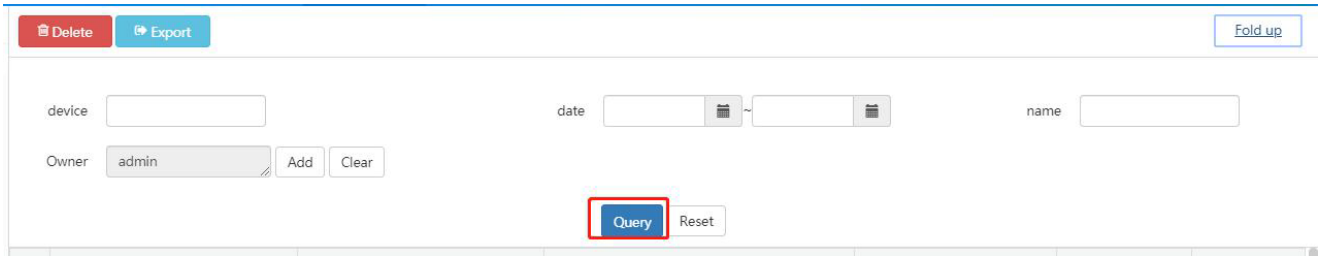
6.3 Export traffic information, click [export] to export employee information to the Excel form:



6.4 Enquire traffic information, enter start to end date, click [query] can:

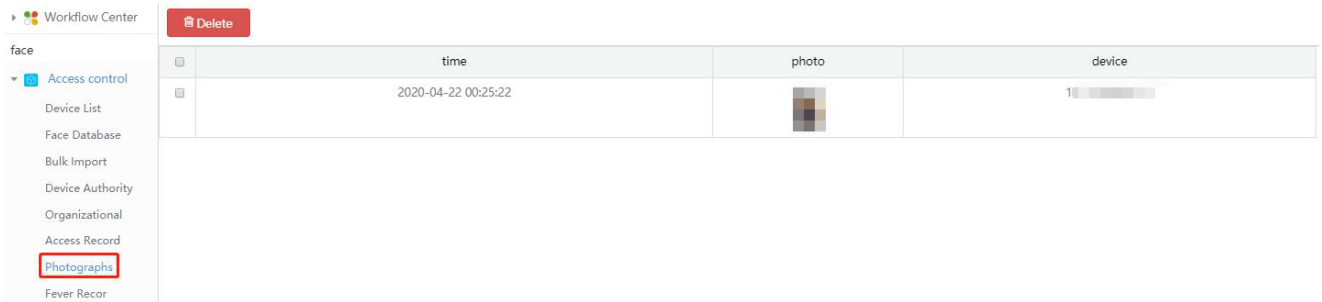


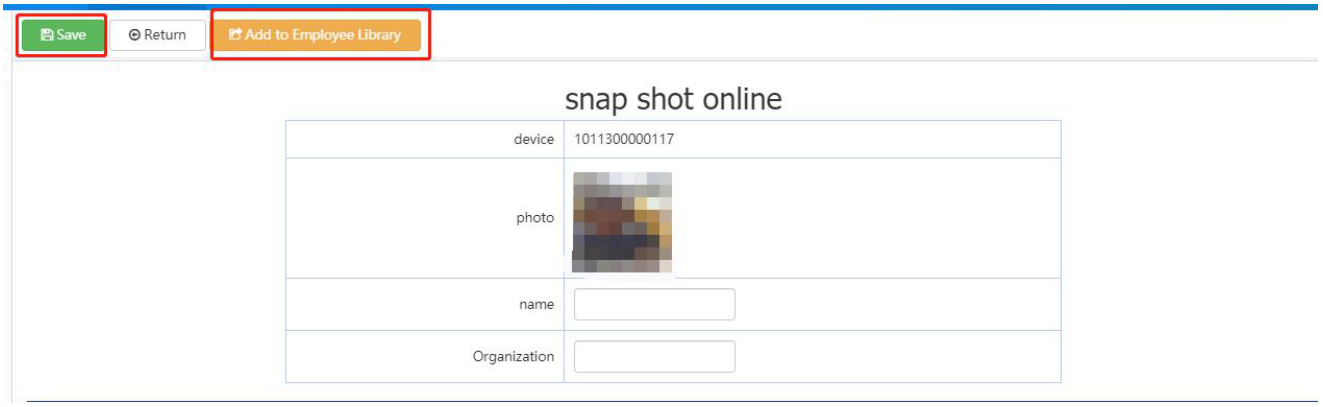
6.5 Advanced query, click [Expand], fill in the equipment, start the deadline, personnel, click [Query] can:



7.Photographs

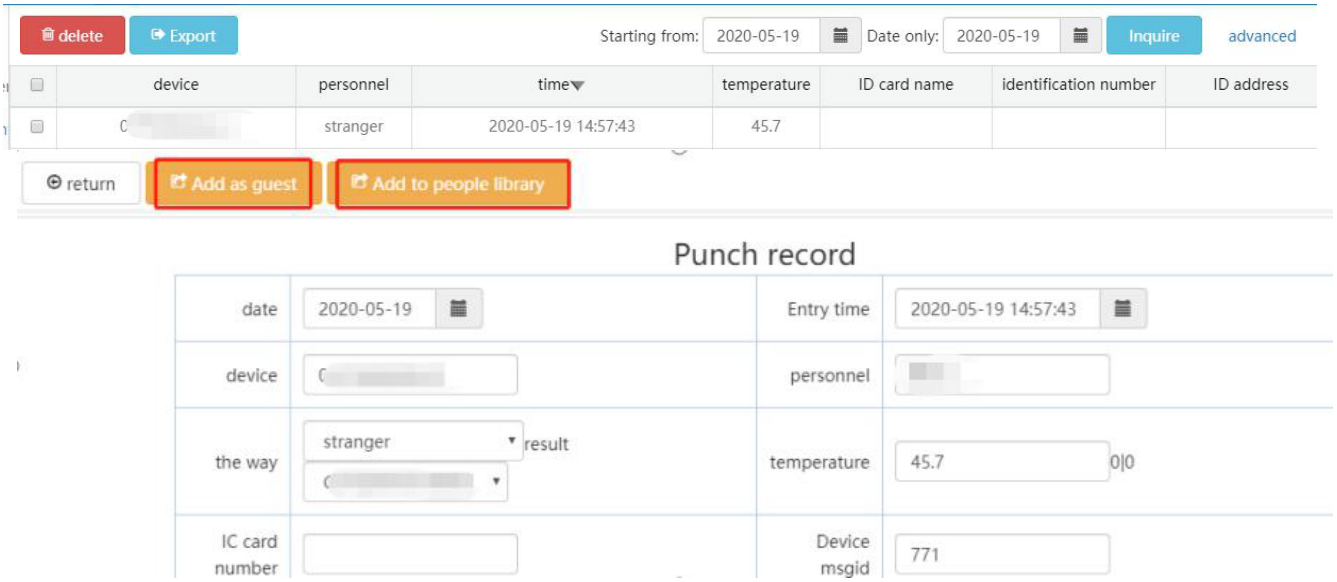
7.1 Click on the selection box to see the details of the device photos (only online photos can have the device photos), need to add to the people bank to fill in the name, where the organization, click [add to the people bank], as shown below:





8.Fever Record

8.1 Click on the selection box to view the details of the high temperature personnel information, including punch records, ID card information, need to add to the visitor click [add as guest], need to add to the pool of people click [add to people library], as shown in the following figure:



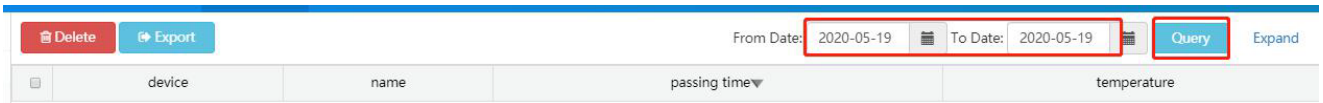
8.2 Delete high temperature personnel information, tick to delete registration information name, click [delete] can:



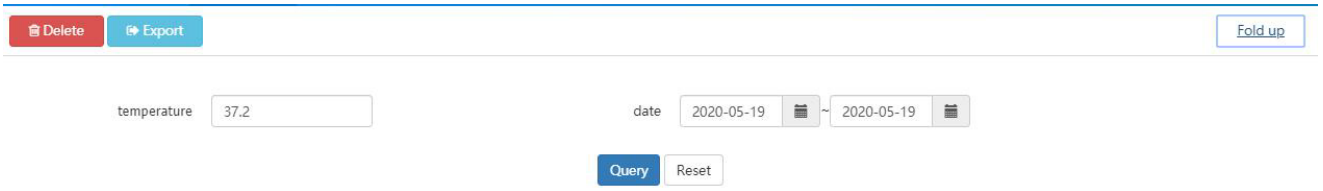
8.3 Export high temperature personnel information, click [export] can export registration information to the Excel form:



8.4 Enquire registration information, enter start and end date, click [query] can:

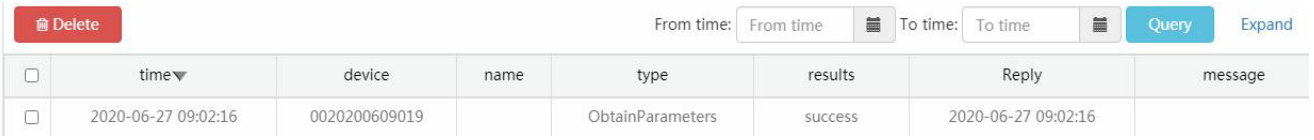


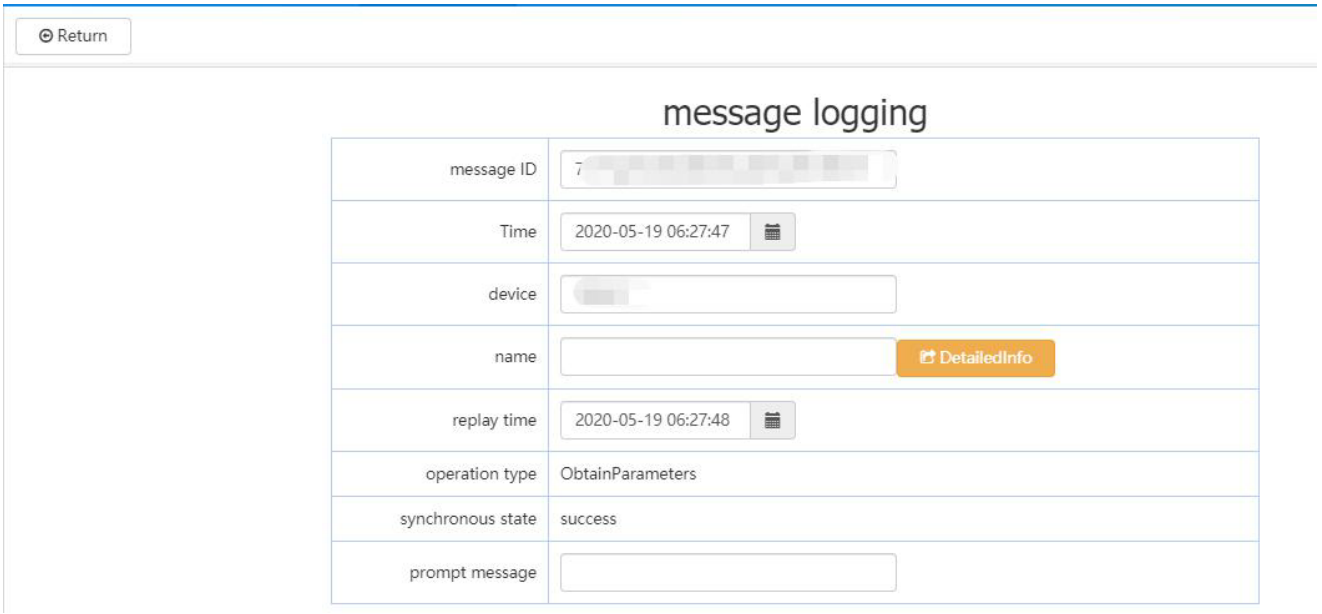
8.5 Advanced query, click [Advanced], fill in temperature, date, click [Query] can:



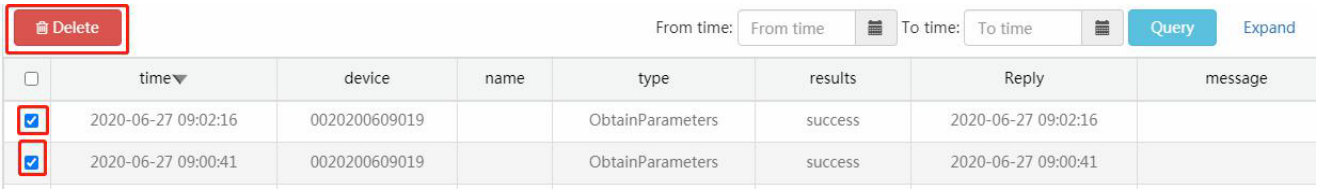
9.Synchronization

9.1 Click on the selection box to view the message, as shown below:

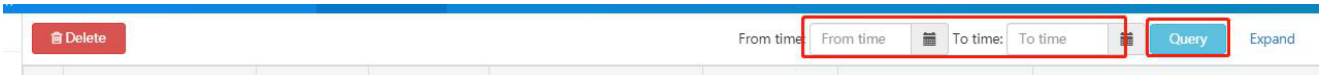




9.2 Delete synchronization information, tick the synchronization information to delete, click [delete] can:



9.3 Query synchronization information, input start and end time, click [query] can:



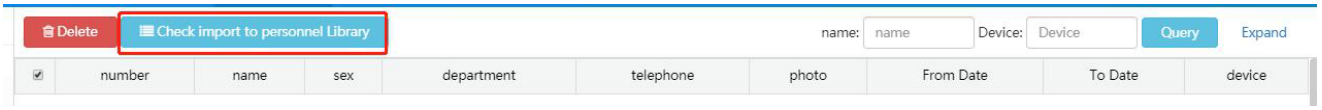
9.4 Advanced query, click [Advanced], fill in name, select department, start date, deadline, click [Query] can:

10.Entract And Export

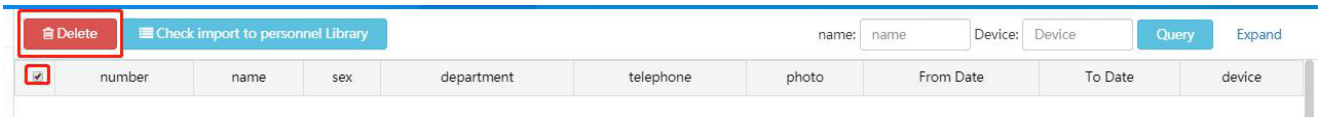
10.1 View the extracted equipment personnel, click on the personnel information, you can see the details of the personnel information, as shown in the following figure:



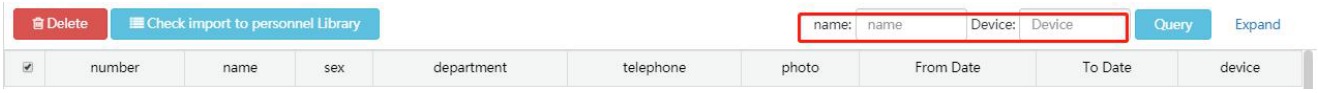
10.2 Import to Personnel Management, check personnel, click [check Import to Personnel Library], as shown below:



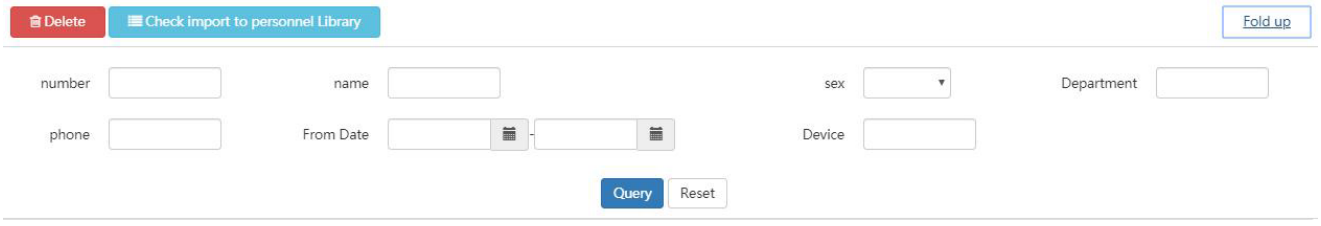
10.3 Delete synchronization information, tick the person information to delete, click [delete] can:



10.4 Query synchronization information, input start and end time, click [query] can:



10.5 For advanced query, please click [Advanced], fill in the number, name, department, mobile phone, device name, select gender, valid time, and then click [Query]

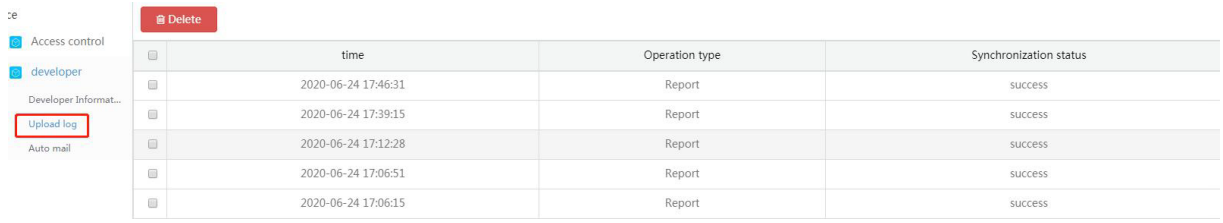


1、Developer Information

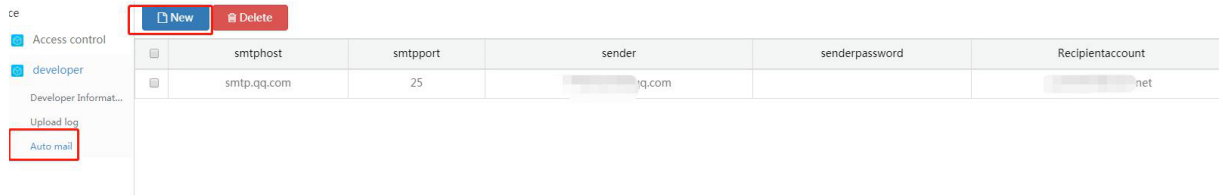


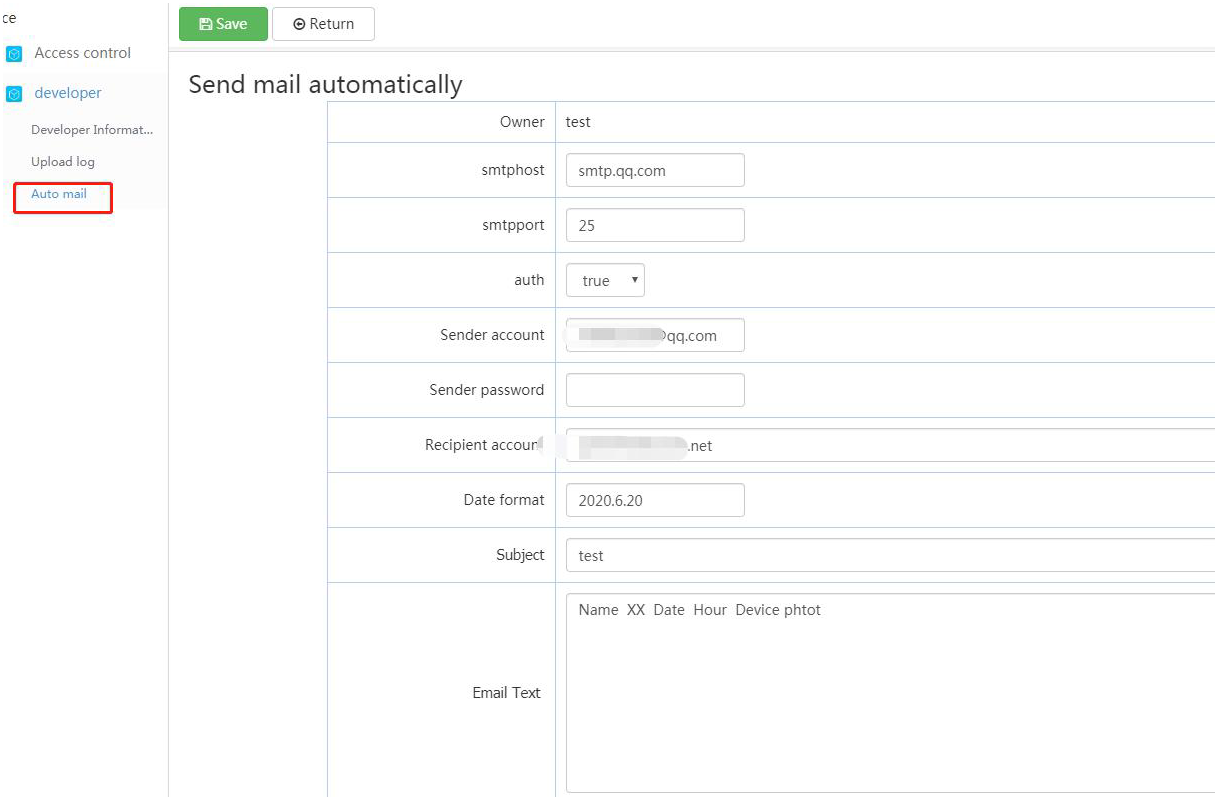


2、Upload log



3、Auto mail



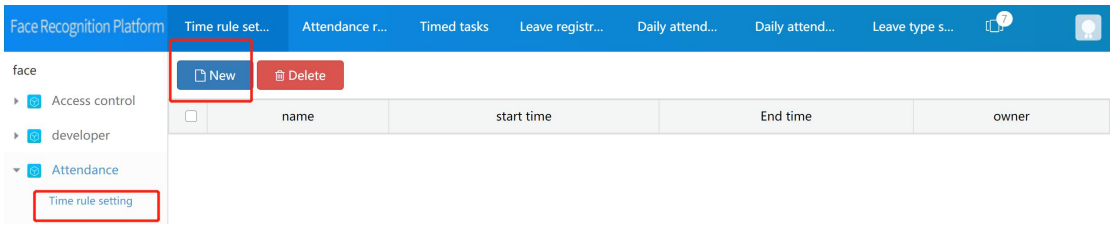


Attendance

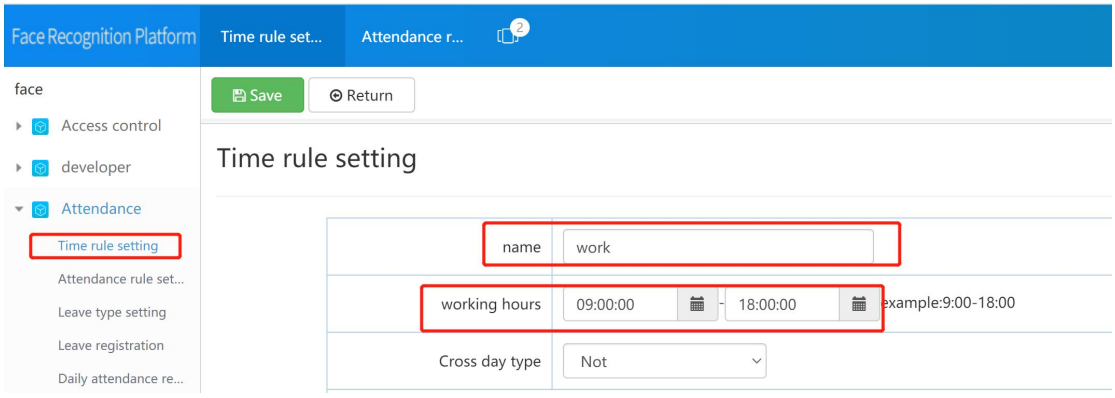
We use attendance mainly to clock in/out at work (Personnel punch in/out when scanners do the recognition). You can follow our examples to set up attendance.

1. Time rule setting:

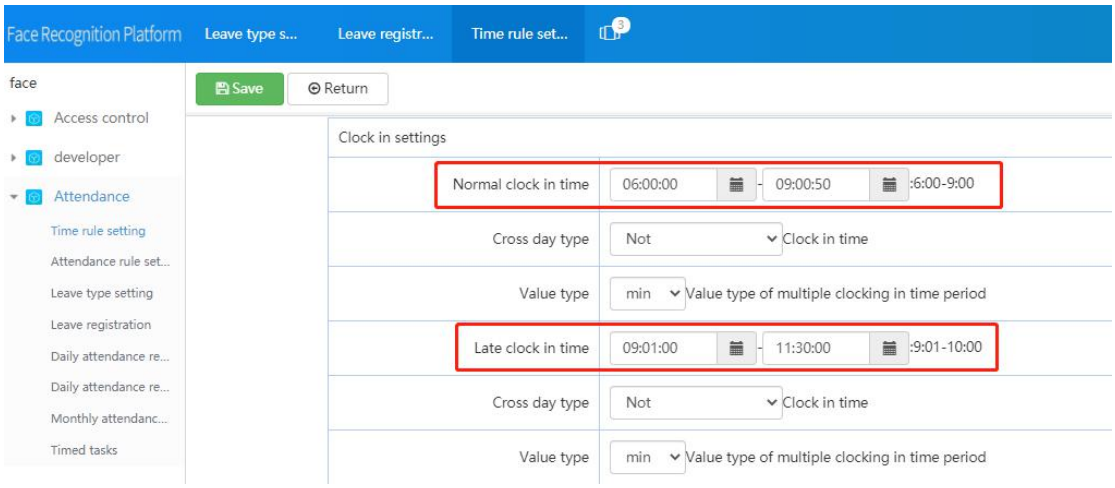
Take work from 9:00 to 18:00 as an example to set up attendance. Let's create a new time rule first, as shown below:



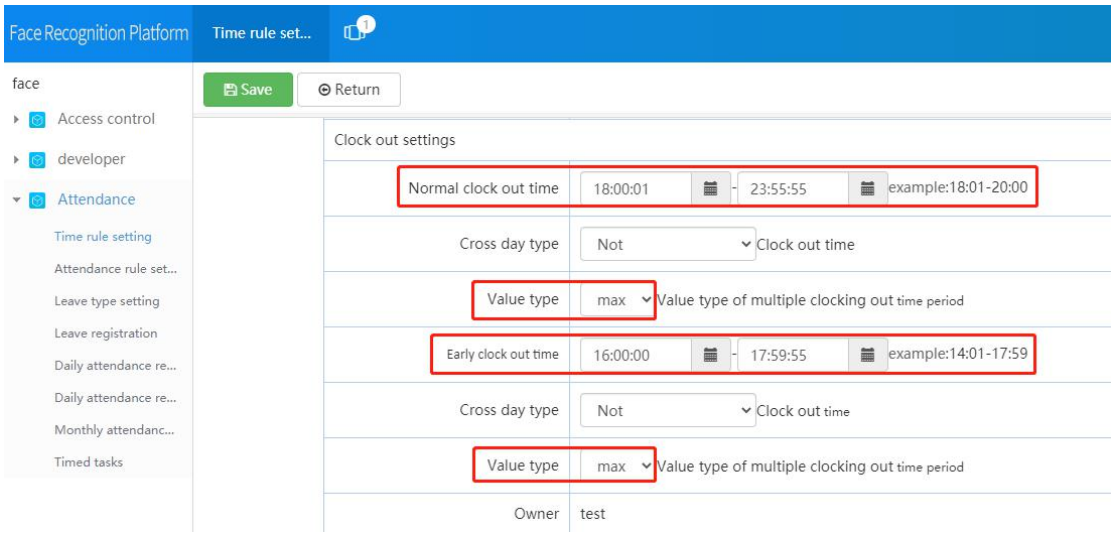
The specific settings are as follows:



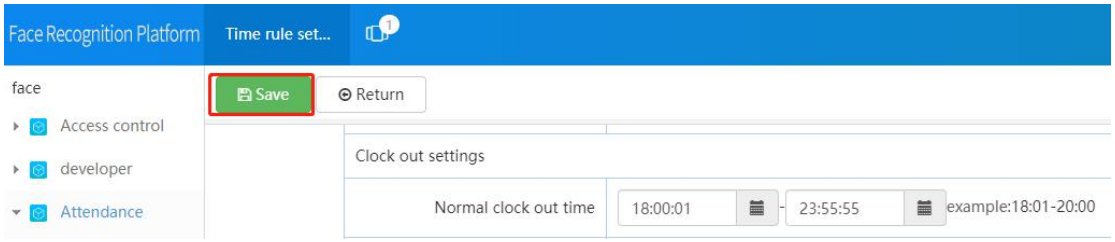
Then go down the page and set the rules for clocking in at work (for example, what time is considered late)



Then set the rules for clocking out. Here pay attention the value type is set max.



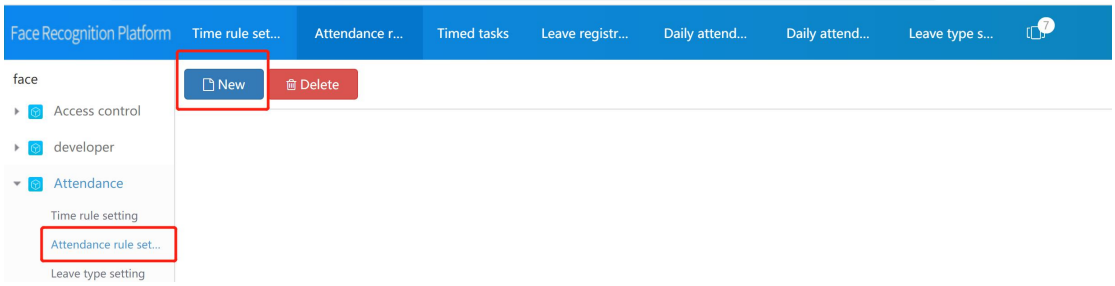
Then click save



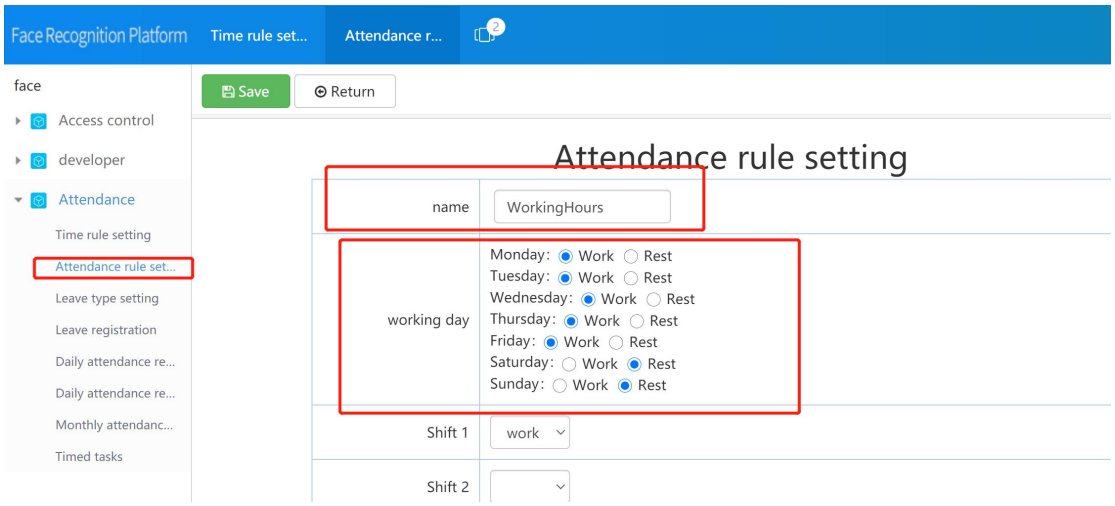
2. Attendance rule setting：

Attendance rule setting is for company’s working and rest time in a week.

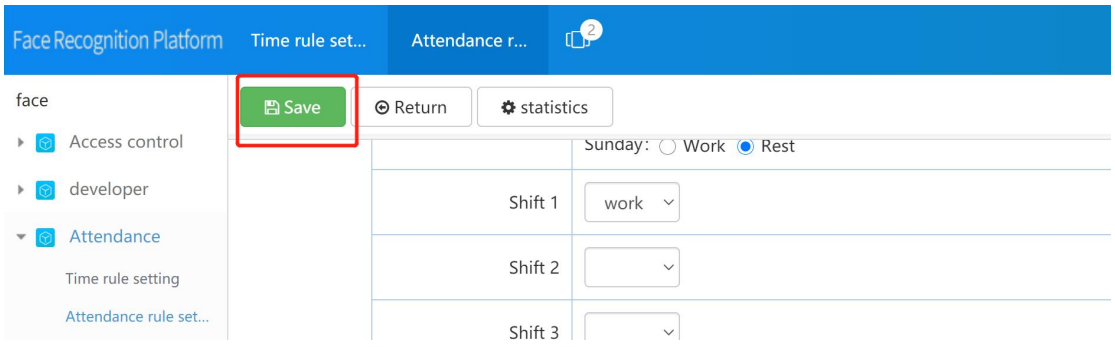
Let’s click new to create a new attendance rule:



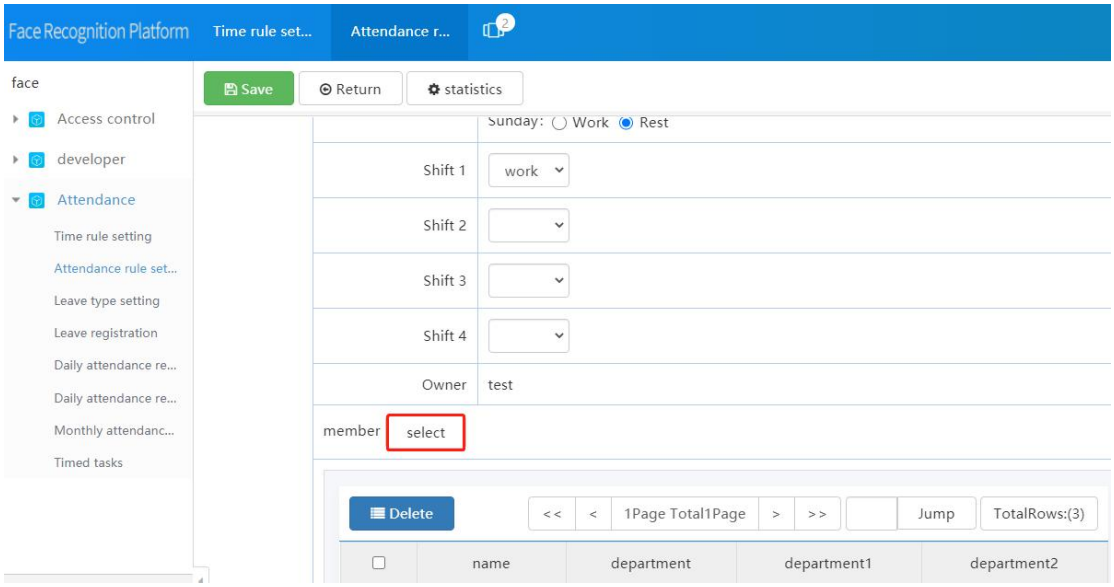
The specific attendance rules are set as shown in the figure below. If Saturdays and Sundays are off-work days, please choose Rest.



Then click save

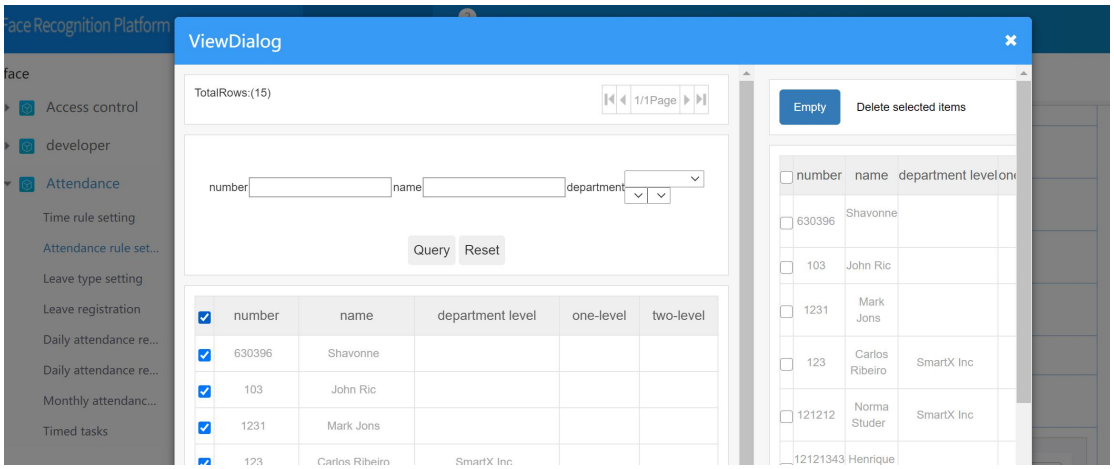


Then click select below to select the person who needs to use attendance rule:

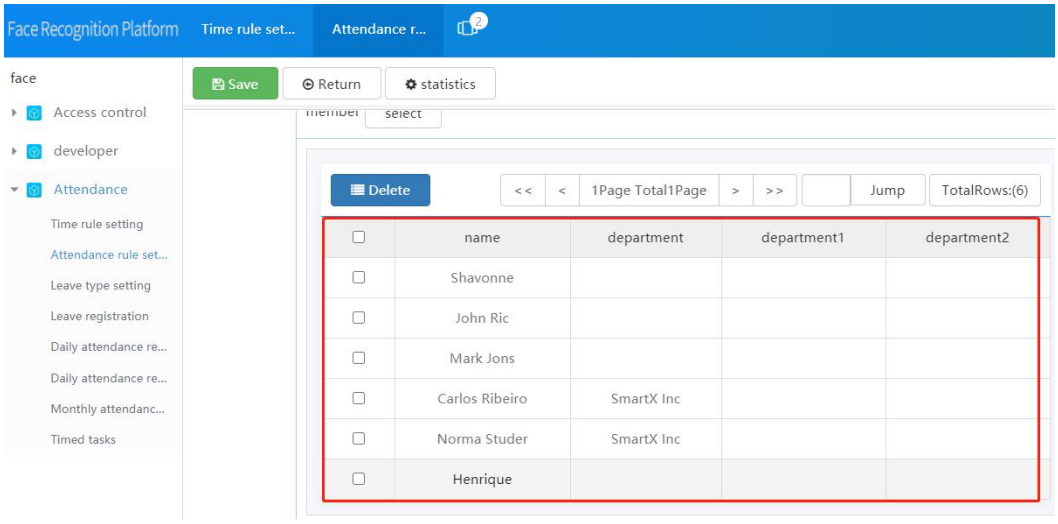


At this time, ViewDialog will appear, select the employees and click

OK

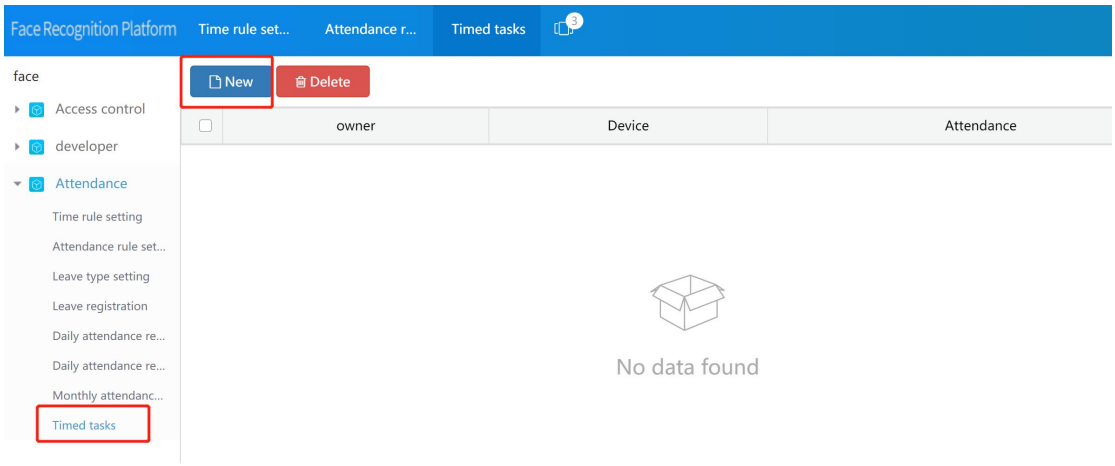


People shown below are those who have been selected

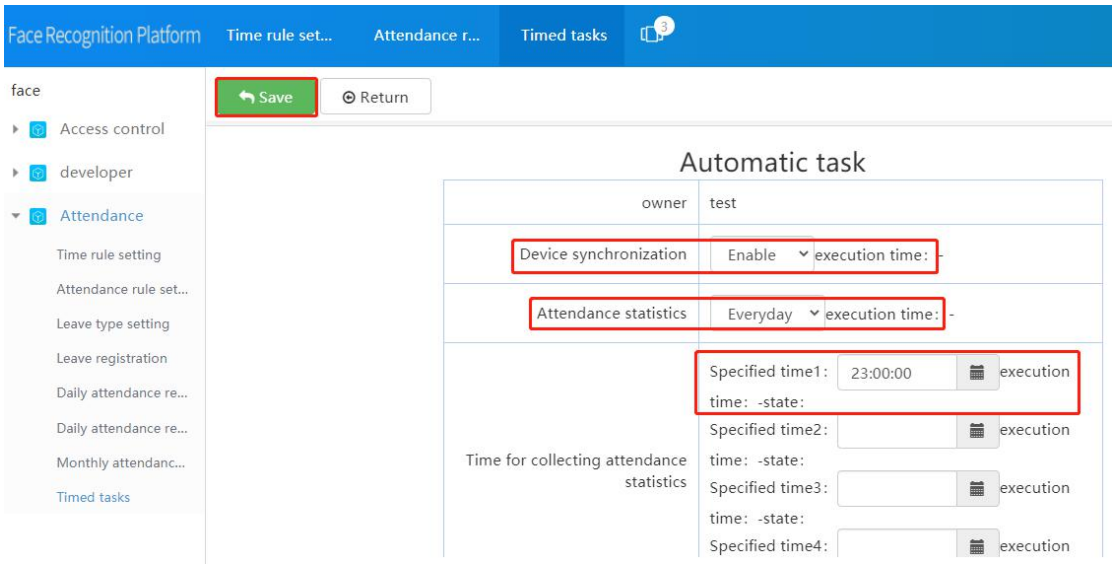


3. Set up timed tasks：

The function of timed tasks is to let the system update the attendance information every day. We first click Timed tasks, and then select new



Save after setting as shown below

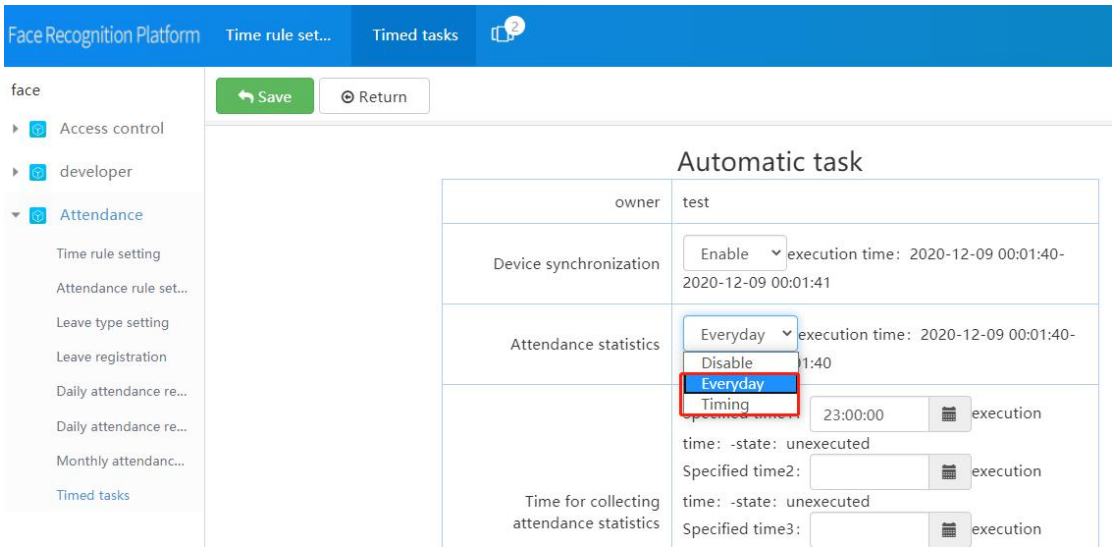


Note: Difference (check pic below): “Everyday” execution time in attendance statistics of timed tasks is for collecting statistics of the previous day every night; “Timing” execution time is for collecting statistics of the day (“Timing” execution includes “Everyday” execution,

also collecting statistics of the previous day every night).

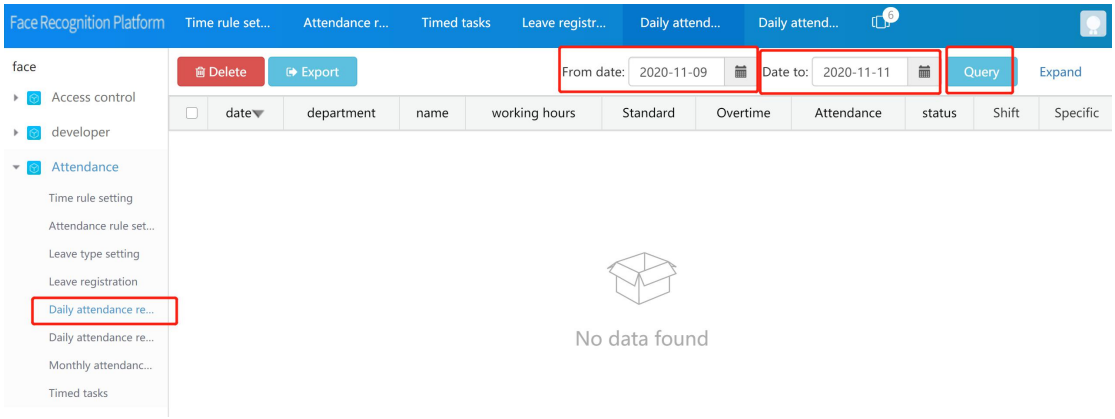
Using Local client and LAN, statistics are collected according to the user's local time, and the result is normal.

Using Cloud platform, there is no problem with the punch in/out time (for example, employees punch in at 9 o'clock, collected punch in time is 9 o'clock). However, the exported daily/monthly attendance report statistics will come out later because the timing server is in China (about half day later for American users).

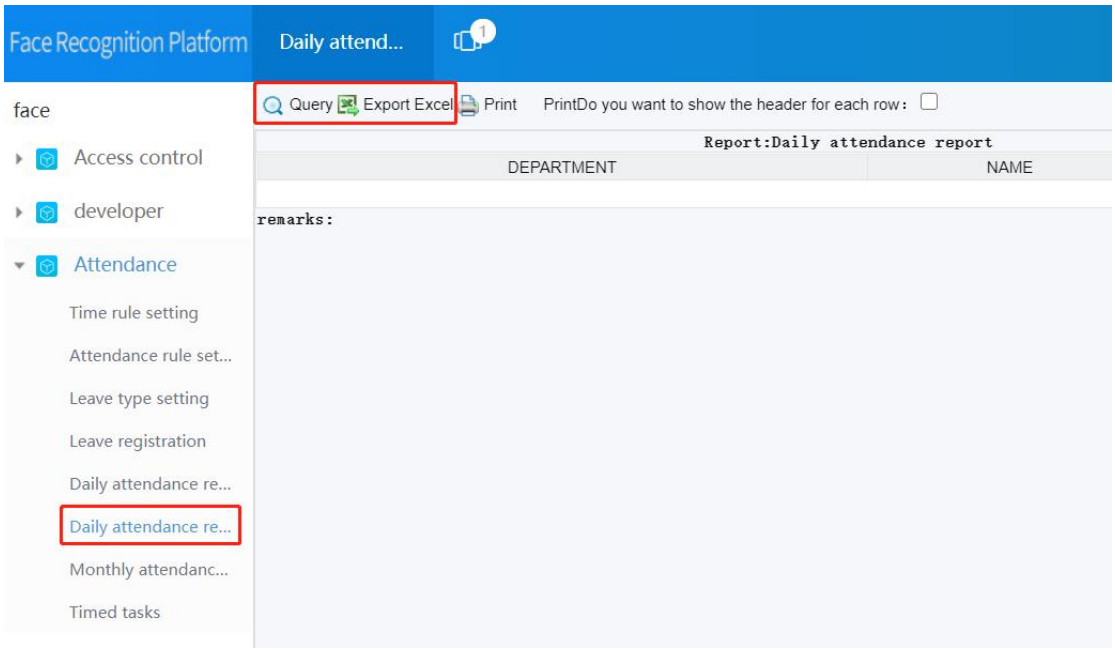


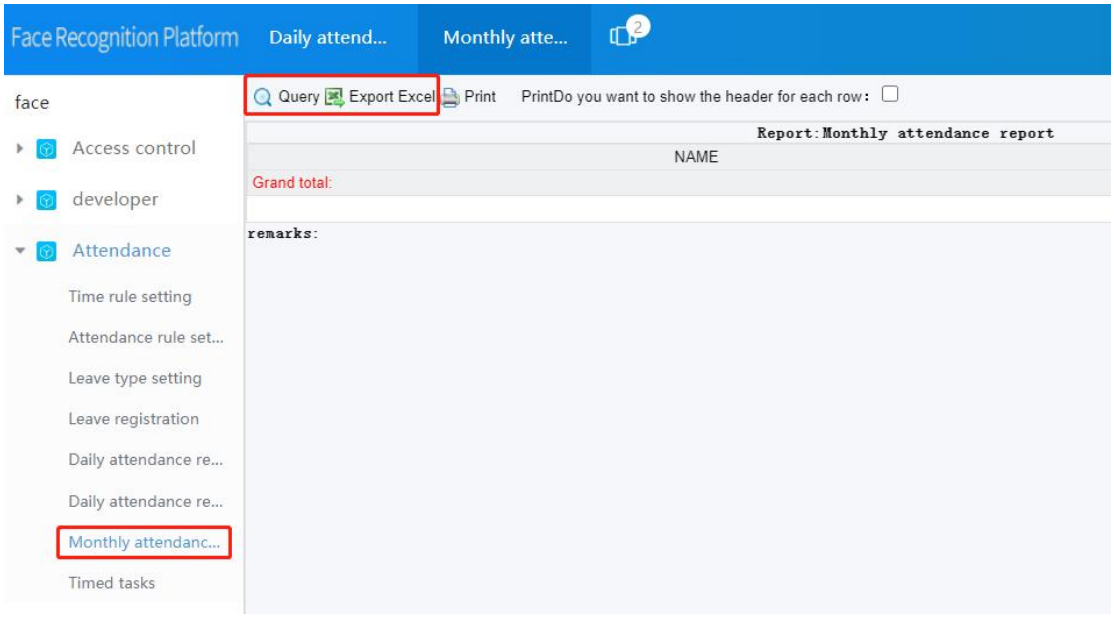
4. Check employees' attendance status：

As shown in the figure below, select the corresponding time query



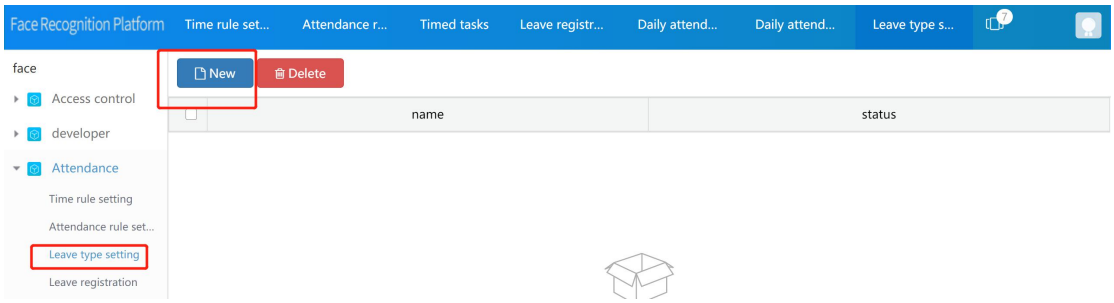
Daily attendance report and monthly attendance report perform similar query functions.



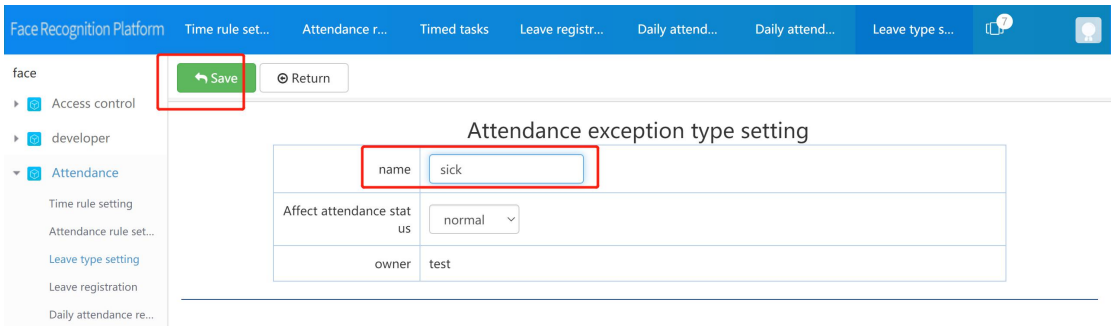


5. Leave type setting and registration

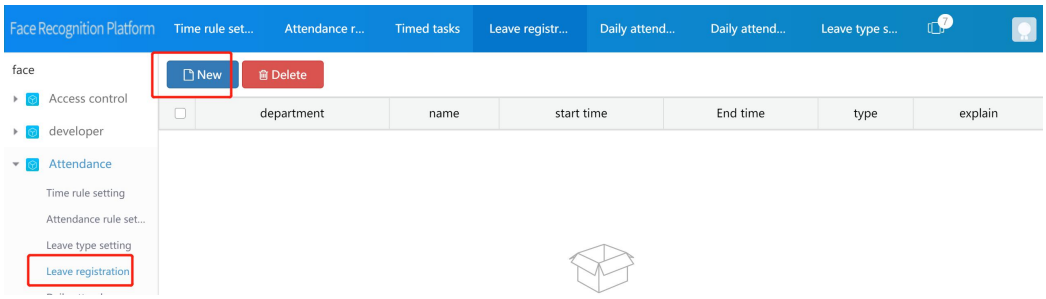
If employee asks for a leave, we can register into the system (register and then the attendance export system will display normal instead of absence). Let's take sick leave as an example. First create a new leave type:



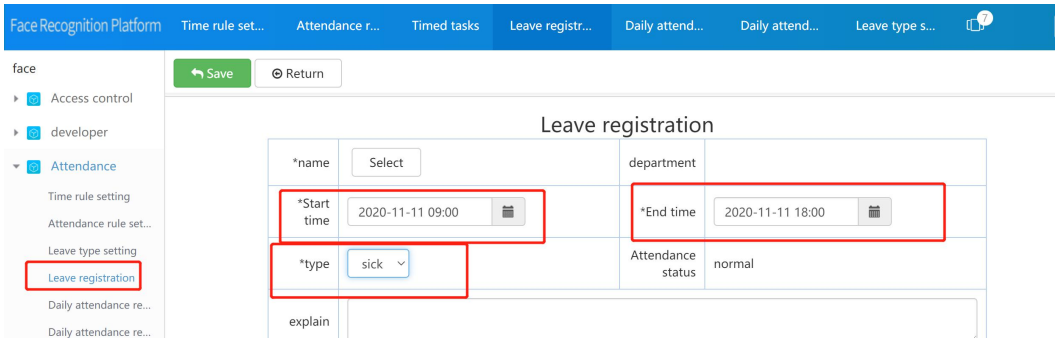
The settings are shown below:



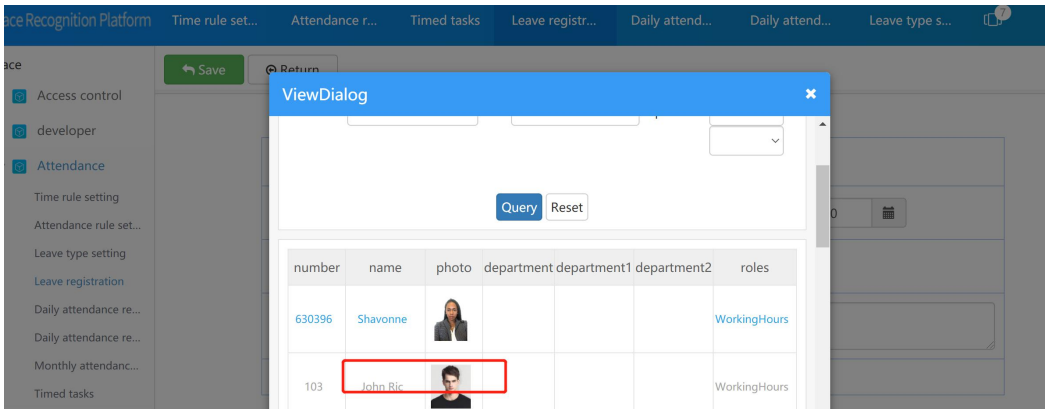
If John is sick today, we can register his situation



The specific settings are as follows:



Then we click select, select John



Click save to complete the registration, as shown in the figure below:

