Al Face Recognition Device

User Manual



Version: 21.1.28.5

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- To the maximum extent permitted by applicable law, the product described, with its hardware, software and firmware, is provided "as is", with all faults and errors, and our company makes no warranties, express or implied, including without limitation, merchantability, satisfactory quality, fitness for particular purpose, and non-infringement of third party, nor is it liable for any special, incidental, incidental, or indirect damages resulting from the use of this manual or the use of our products, including but not limited to damages resulting from loss of business profits, loss of data or documentation.
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- Surveillance laws vary by jurisdiction. Please check all relevant laws in your
 jurisdiction before using this product in order to ensure that your use conforms the

- applicable law. Our company shall not be liable in the event that this product is used with illegitimate purposes.
- In the event of any conflicts between this manual and the applicable law, the legal provisions shall prevail.

Data Security Statement

- In the process of using the product, you will collect, store and use personal data. In
 the process of product development, our company implements the principles of
 personal data protection. For example, if you use a face recognition device, the
 biometric data will be encrypted and stored on your device.
- As a data controller, when collecting, storing and using personal data, you must comply with applicable laws and regulations concerning the protection of personal data, including but not limited to taking protective measures on personal data. We strongly recommend that you perform reasonable rights management on the device, strengthen the physical security of device application scenarios, and conduct regular security assessments.

Safety Precautions



WARNING

- Electrical safety regulations of the nation and the region must be strictly followed during installation or use.
- Do not connect multiple device with one single power adapter (Overload for adapter may lead to over-heat or fire hazard).
- The product must use the recommended wire assembly (power cord) and use it within its rated specifications.
- Shut down the power while connecting or dismounting the device. Do not operate with power on.
- Shut down the power and unplug the power cable immediately when there is smoke, odor or noise rising from the device. Then contact the dealer or service center.
- Please contact the local dealer or latest service center when IPC works abnormally.
 Do not attempt to disassemble or modify the device yourself. (We shall shoulder no responsibility for problems caused by unauthorized repair or maintenance).



CALITION

- Please do not install the device in direct sunlight or around heat sources.
- Do not install the device in a humid, dusty or smoky place.
- Please keep the device installed in a stable place, taking care to avoid the product falling or being hit by falling objects.
- Please install the device in a well-ventilated place.
- Do not aim the lens of the device at objects with strong light, such as the sun, incandescent lamp, etc., otherwise the lens may be damaged.
- Please use a very soft dry cloth or other alternatives to wipe the surface, do not use alkaline cleaners, and avoid scratching the device with hard objects.
- Please understand that you are responsible for properly configuring all passwords and other product-related security settings, and keeping your user name and password properly.
- Biometric products cannot be 100% suitable for any anti-counterfeiting environment. For high security level places, please use the combined authentication method.



NOTE

- After receiving the product, please open the box, take out the equipment, and count the products and accessories according to the packing list.
- If you find that the contents of the box are damaged or any accessories are missing, please contact the dealer in time.

Chapter 1 Functions and Features

1.1 Product Manual

The AI Face Recognition Device is a face recognition temperature-sensing terminal independently developed by our company. It adopts a number of high-tech, such as video codec technology, audio codec technology, embedded system technology, storage technology, network technology and intelligent technology, etc. Excellent face recognition and living body judgment function.

Moreover, the body temperature detection technology based on the AI algorithm for accurate correction can match the face and body temperature in real time, and the device will broadcast a voice prompt when the body temperature is abnormal.

After the smart device installation is complete, after access the network, you can manage the device through the smart device platform or the device web page.

In order to meet the multi-element needs of various applications, this product can be widely used in airports, exit and entry points, railway stations, government agencies, schools, scenic spots, large factories and other places that need to be identified. It can help customers to carry out efficient, safe and intelligent entrance and exit management.

1.2 Product Features

- Using IPS full-view high-definition display, the image without smear and no delay.
- Using two 2 million high-definition wide-angle wide dynamic cameras, support binocular live detection (photo and video anti-counterfeiting).
- A photosensitive sensor is used to automatically adjust the fill light intensity through white light and infrared light. Support smart fill light.
- Use Linux system, low power consumption, high stability.
- Adopt deep learning algorithm, support 30,000 face database.
- Adopt G.711u and G711a audio compression formats.
- Recognition speed <200ms, Accuracy >99.5%.
- Mask detection to determine whether the identified person is wearing a mask.
- Support staff are identified when wearing a mask.
- Temperature error range+/-0.3℃.
- Background management, abnormal records, device management, personnel management.
- Support data upload to the network, can upload the device comparison results and captured photos to the platform for real-time storage, and support to upload files after network recovery after disconnection.
- App remote management, message push.
- Face recognition distance is 1.2-2.0M, it is recommended to paste a mark on the floor mark distance.
- Temperature measurement distance: within 1.2 meters, it is recommended to paste a mark on the floor mark distance.
- Operating temperature: 10°C-50°C.

Chapter 2 Device Introduction

2.1 Device Introduction

2.1.1 Smart Face Recognition Device (Type A Without Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-1 below.

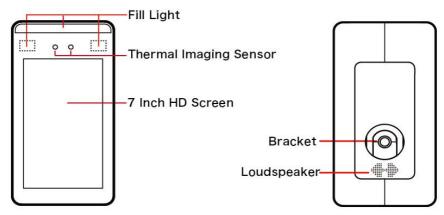


Figure 2-1

2.1.2 Smart Face Recognition Device (Type B Forehead Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-2 below

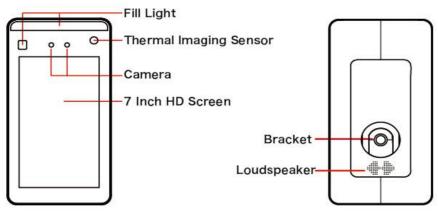


Figure 2-2

2.1.3 Smart Face Recognition Device (Type C Wrist Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-3 below.

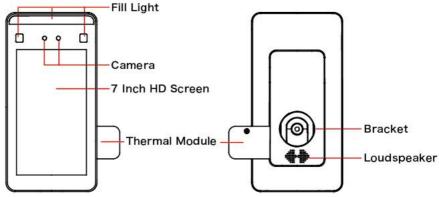
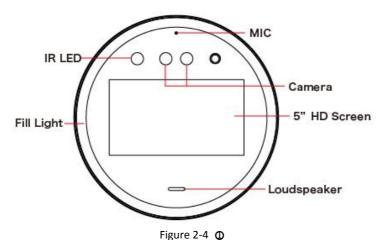


Figure 2-3

2.1.4 Smart Face Recognition Device (Type D Forehead Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-4 below.

Front



Back

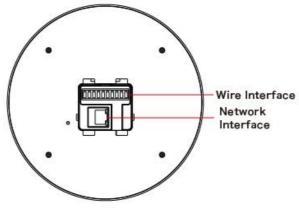
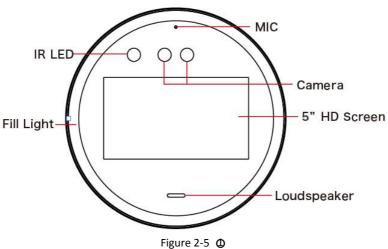


Figure 2-4 ②

2.1.5 Smart Face Recognition Device (Type E Without Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-5 below.

Front



Back

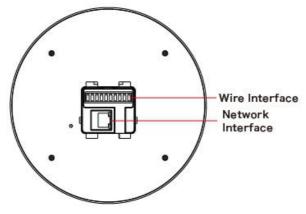
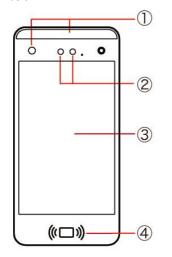


Figure 2-5 ②

2.1.6 Smart Face Recognition Device (Type F Forehead Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-6 below.



1 Fill Light

- 3 10.1 Inch HD Screen
- (5) Antenna
- (7) Bracket and Outlet

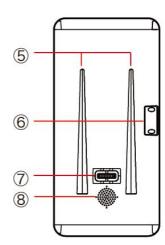
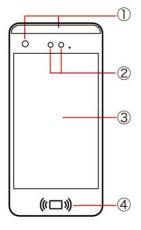


Figure 2-6

- 2 1080P Camera
- (4) Card
- 6 Card slot (SIM card & TF card)
- (8) Speaker

2.1.7 Smart Face Recognition Device (Type G Without Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-7 below.



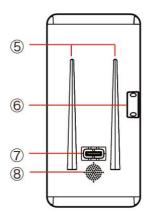


Figure 2-7

- 1 Fill Light
-) 10.1 Inch HD Screen
- Antenna
- **Bracket and Outlet**

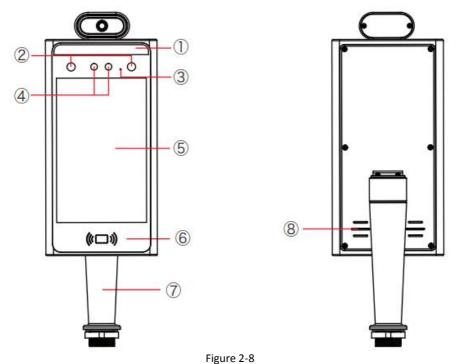
- (2) 1080P Camera
- 4) Card
- Card slot (SIM card & TF card)
- Speaker



The schematic diagram of the panel does not represent the actual size and proportion of the product, please refer to the actual product for details.

2.1.8 Smart Face Recognition Device (Type H Forehead Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-8 below.



1) Fill Light 2) Infrared Sensor 3 MIC 4 1080P Camera 5) 8 Inch HD Screen 6) Card 7) Bracket and Outlet 8) Speaker

2.1.9 Smart Face Recognition Device (Type I Without Temperature Detection)

The front panel, rear panel of Smart Face Recognition Device as shown in Figure 2-9 below.

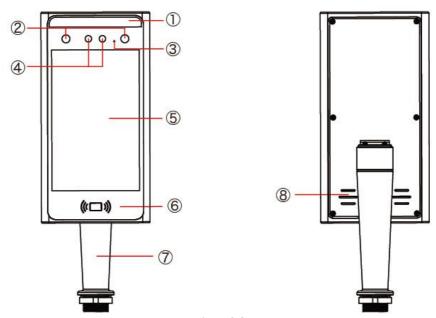


Figure 2-9

① Fill Light ② Infrared Sensor ③ MIC ④ 1080P Camera ⑤ 8 Inch HD Screen ⑥ Card ⑦ Bracket and Outlet ⑧ Speaker

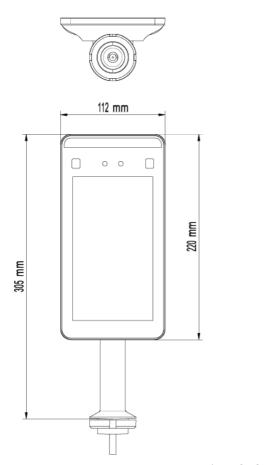


 The schematic diagram of the panel does not represent the actual size and proportion of the product, please refer to the actual product for details.

2.2 Device Size

2.2.1 Smart Face Recognition Device (Type A)

The size of Smart Face Recognition Device as shown in Figure 2-10 below.



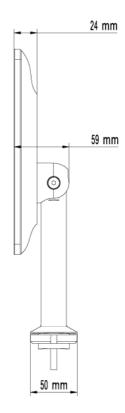
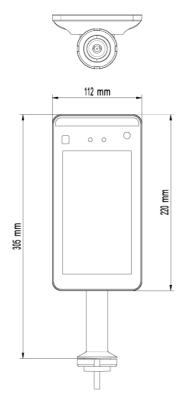


Figure 2-10

2.2.2 Smart Face Recognition Device (Type B)

The size of Smart Face Recognition Device as shown in Figure 2-11 below.



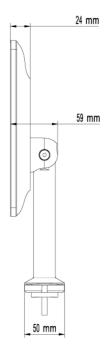


Figure 2-11

2.2.3 Smart Face Recognition Device (Type C)

The size of Smart Face Recognition Device as shown in Figure 2-12 below.

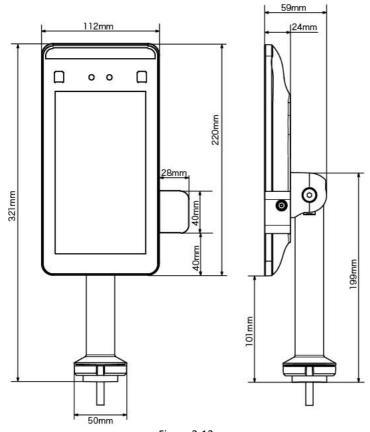


Figure 2-12

2.2.4 Smart Face Recognition Device (Type D & E)

The size of Smart Face Recognition Device as shown in Figure 2-13 below.

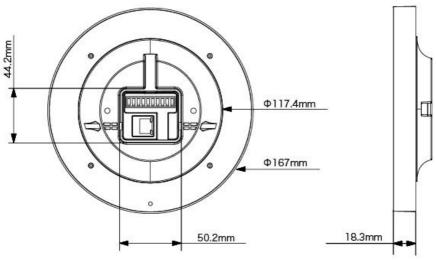


Figure 2-13

2.2.5 Smart Face Recognition Device (Type F)

The size of Smart Face Recognition Device as shown in Figure 2-14 below.

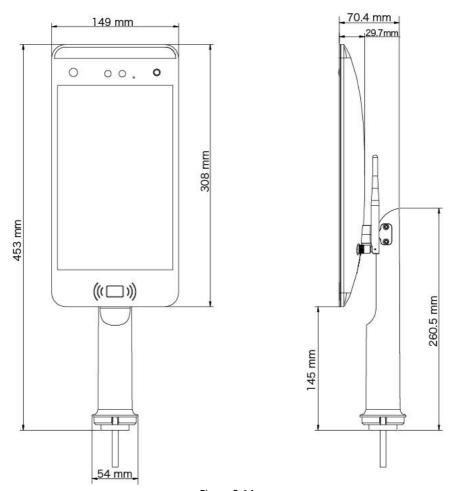


Figure 2-14

2.2.6 Smart Face Recognition Device (Type G)

The size of Smart Face Recognition Device as shown in Figure 2-15 below.

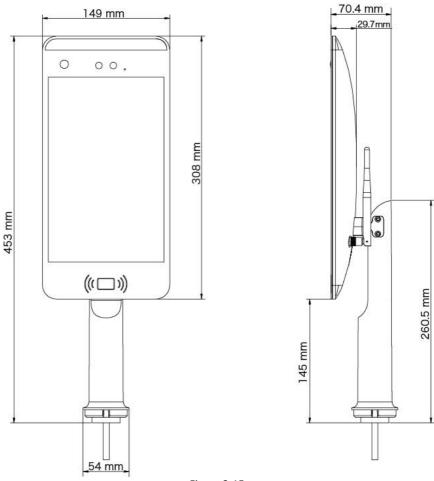
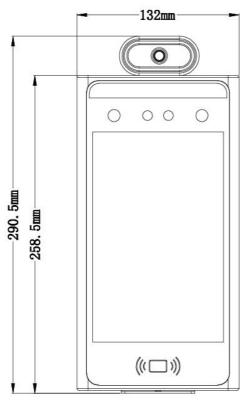


Figure 2-15

2.2.7 Smart Face Recognition Device (Type H)

The size of Smart Face Recognition Device as shown in Figure 2-16 below.



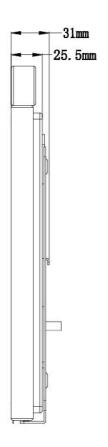
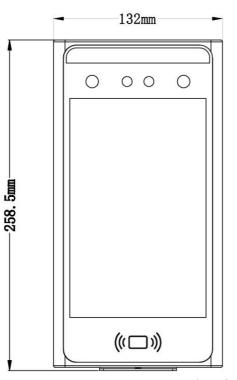


Figure 2-16

2.2.8 Smart Face Recognition Device (Type I)

The size of Smart Face Recognition Device as shown in Figure 2-17 below.



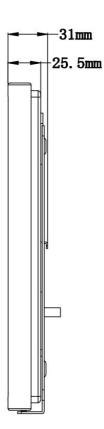


Figure 2-17

2.3 Connector Introduction

2.3.1 Wire connector (Type A)

The wire connectors for Smart Face Recognition Device are shown in Figure 2-18 below.

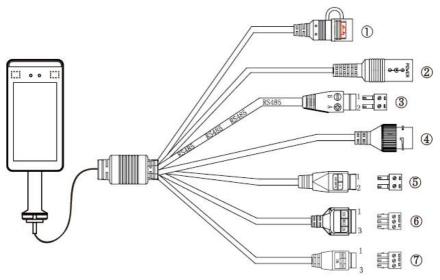


Figure 2-18

- 1 RESET (Long press to restore factory settings.)
- (2) DC12V Power Interface
- (3) RS485
- (4) RJ45 Network Interface
- (5) 1.Alarm out-, 2.Alarm out+
- 6 1.NO, 2.COM, 3.NC
- 7 1.GND, 2.D1, 3.D0

2.3.2 Wire connector (Type B)

The wire connectors for Smart Face Recognition Device are shown in Figure 2-19 below.

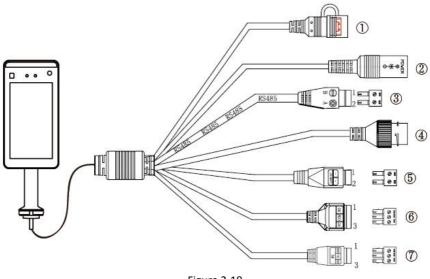


Figure 2-19

- RESET (Long press to restore factory settings.)
 DC12V Power Interface
 RS485
 RJ45 Network Interface
 1.Alarm out-, 2.Alarm out+
 1.NO, 2.COM, 3.NC

- (7) 1.GND, 2.D1, 3.D0

2.3.3 Wire connector (Type C)

The wire connectors for Smart Face Recognition Device are shown in Figure 2-20 below.

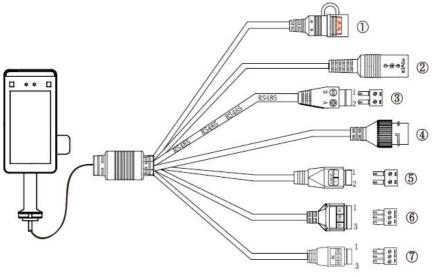


Figure 2-20

- RESET (Long press to restore factory settings.)
 DC12V Power Interface
 RS485
 RJ45 Network Interface
 1.Alarm out-, 2.Alarm out+
 1.NO, 2.COM, 3.NC

- (7) 1.GND, 2.D1, 3.D0

2.3.4 Wire connector (Type D & E)

The wire connectors for Smart Face Recognition Device are shown in Figure 2-21 below.

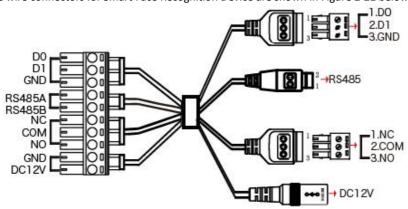


Figure 2-21 The specific wiring ports are shown in Table 2-1:

Interface	Mark	Wiring Color
	D0	Blue
Wiegand Interface	D1	Purple
	W_GND	Gray
RS485 Interface	485A	Brown
K3465 IIITerrace	485B	Orange
Relay Interface	NC	Green
	СОМ	Yellow
	NO	White
Power Interface	GND	Black
rower interface	DC12V	Red

Table 2-1

2.3.5 Wire connector (Type F & G & H & I)

The wire connectors for Smart Face Recognition Device are shown in Figure 2-22 below.

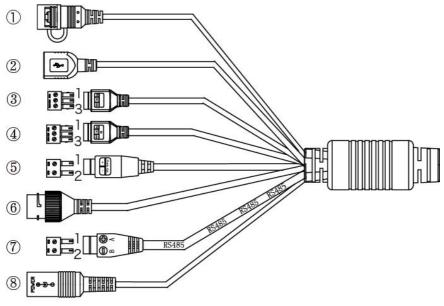


Figure 2-22

- 1 RESET (Long press to restore factory settings)
- ② USB2.0 interface, connect to mouse
- 3 Access control interface (1.NO, 2.NC, 3.COM)
- 4 Wiegand interface (1.D0, 2.D1, 3.GND)
- (5) 1.Alarm out+, 2.Alarm out-
- 6 RJ45 network port, access to Ethernet
- (7) 1.RS485+, 2.RS485-
- 8 DC12V Power Interface

Chapter 3 Installation

Installation Environment:

- The device should be at least 2 meters away from the light source and at least 3 meters away from the window and door to avoid direct sunlight.
- To make the device work better, avoid installing multiple devices face to face.

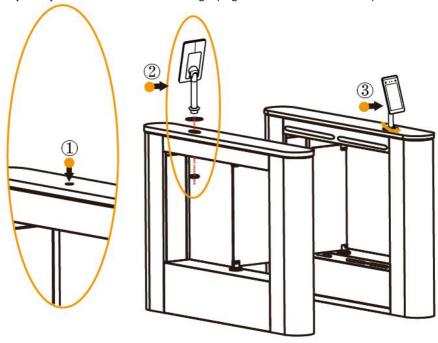
3.1 Installation of Type A, Type B, Type C, ,Type F, Type G, Type H and Type I Equipment

3.1.1 Installed on the gate

Step 1: Open a hole with a diameter of D = 35mm on the gate, and the recommended position is 1/3 to 1/4 from the entrance end.

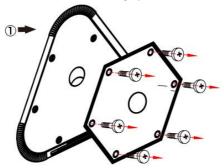
Step 2: Insert the equipment mounting bracket (with spacer) and the connecting wire into the opening of the gate, pass the connecting wire through the nut, and fix it with the lock nut.

Step 3: Adjust the device to a suitable angle (angle between 5 ° -15 ° vertical).



3.1.2 Install on the desktop

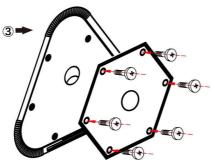
Step 1: With the base of the table bracket facing up, remove the screws and the cover.



Step 2: Pass the wire of the device through the spacer, hole, and nut of the bracket, and lock the nut to fix the device on the top of the bracket.

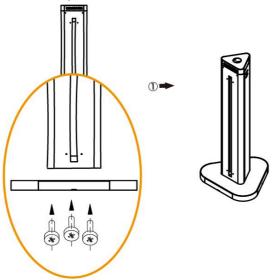


Step 3: Pass the wire of the device through the cover, and fix the cover on the bracket with the locking screw.

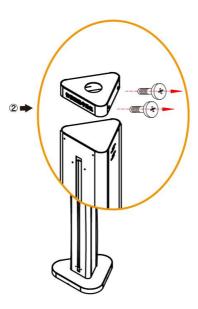


3.1.3 Install on floor pole bracket

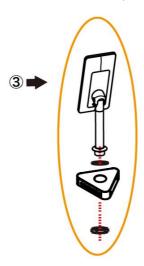
Step 1: Remove the screw under the floor pole bracket, align the base with the bracket, and fix the base with the locking screw.



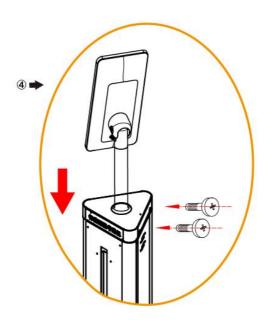
Step 2: Remove the 2 screws on the top cover of the floor pole bracket and remove the top cover.



Step 3: Pass the wire of the device through the spacer, hole, and nuts of the top cover of the bracket, and lock the nut to fix the device on the top cover of the bracket.



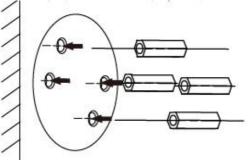
Step 4: Connect the wire, install the top cover of the bracket to the floor pole bracket, and fix the lock nut.



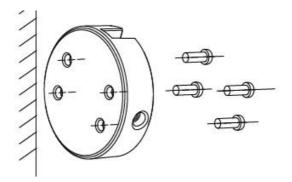
Step 5: Adjust the device to an appropriate angle (vertical 5°-15° included angle).

3.1.4 Wall mounted

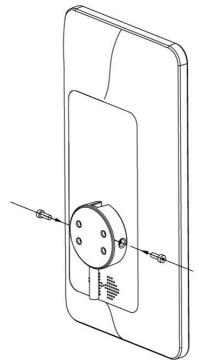
Step 1: Open holes in the wall according to the installation sticker and install the rubber plug.



Step 2: Fix the wall mount bracket to the wall with screws.



.Step 3: Install the device on the wall bracket, align the screw holes on the left and right sides, and fix the lock screws.





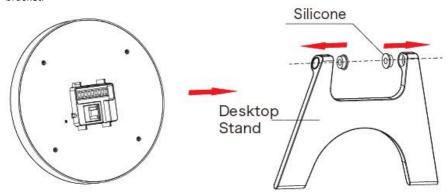
• It is recommended that the location of the sticker is 1.4 meters, and users can adjust it according to their height.

3.2 Type D & E equipment installation

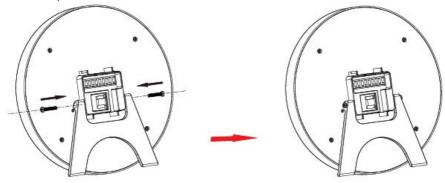
3.2.1 Install on the desktop

Step 1: Turn the camera end of the device upward and turn it to the back.

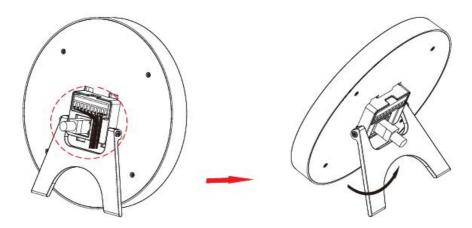
Step 2: Put the silicone ring into the screw hole position on the inside of the desktop bracket.



Step 3: Align the holes of the bracket with the holes of the device, and fasten the bracket to the body with screws.

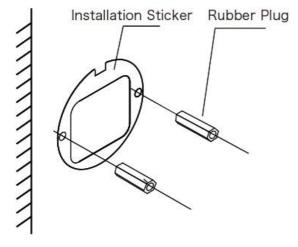


Step 4: Connect wires. To spread the desktop stand and adjust the angle as needed.

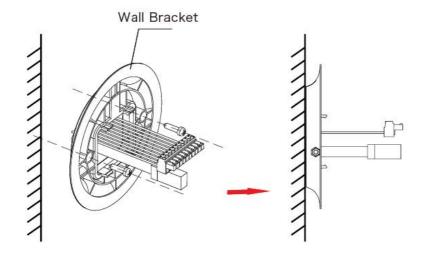


3.2.2 Wall Mounted

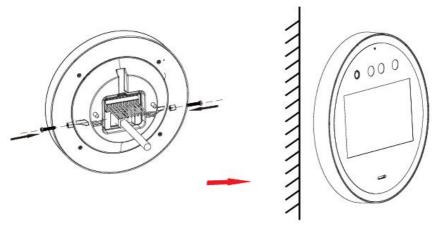
Step 1: According to the installation sticker, open holes on the wall and install the rubber plug.



Step 2: Pass the network cable and 10PIN wire through the wall bracket, and arrange the wire into the wire groove, then fix the bracket to the wall with screws.



Step 3: Connect wires, install the device on the wall bracket, then align the screw holes on the left and right sides, install the nuts and lock the screws.



Chapter 4 Smart device platform

The intelligent terminal platform is a background management system used for device management, personnel management, visitor management, report management, and data center.

4.1 Platform Installation



NOTE

- Before installation, please make sure that the computer is a Windows 64-bit system.
- When running the platform software with a non-computer administrator account, you must run it as an administrator.
- The device defaults to enable "DHCP" of type A, type B, type C, type D, type E.. If the device is not connected to a DHCP server, but DHCP is set to "On", the default values are as follows:

IP: "192.168.1.88"

Network Mask: "255.255.255.0" Port: "7080"

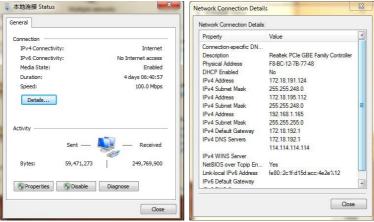
Factory default IP of F & G device: "192.168.1.88"

Subnet mask: "255.255.255.0" Port: "80"

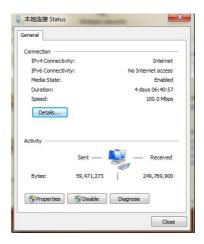
4.1.1 Configure the computer

IPv4 address of the PC needs to be in the same network segment with the IP address of the IP camera for normal operation. Specific settings in window system can refer to the following methods:

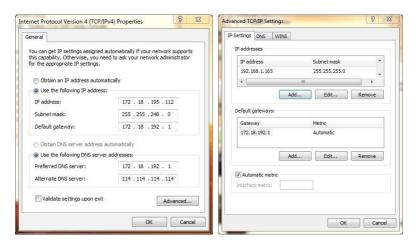
Step 1: Check the IPv4 address of PC, click "Start"/ "Control Panel"/ "Network and Internet"/ "Network and Sharing Center"/ "Local Network"/ "Details". If you have an IP of 192.168.1.X, you can add the device directly on the platform. If there is no IP address on this network segment, proceed to Step 2 to increase the IP address on this network segment.



Step 2: Click "Close" \rightarrow "Properties", double-click "Internet Protocol Version 4 (TCP / IPv4)".



Step 3: Click "Advanced" \Rightarrow "Add"under the IP address, enter the same network segment IP as the device (such as 192.168.1.165) \Rightarrow "Add" \Rightarrow "OK" \Rightarrow "OK" \Rightarrow "OK", add IP and exit.



NOTE: The IPv4 address can not be conflicted when you add in LAN.

4.1.2 Software Installation

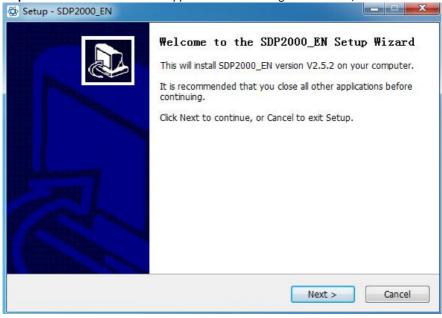
Software installation is shown in Figure 4-1 below.

SDP2000_EN_x64_V2.5.2.exe

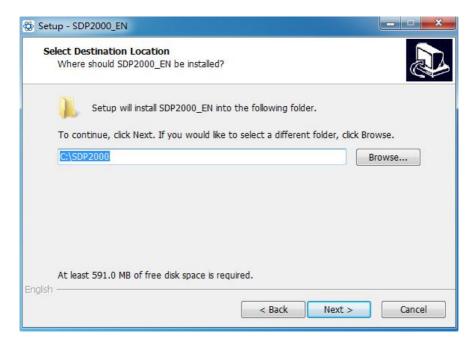
Figure 4-1

The specific steps for installing the smart terminal platform are as follows:

Step 1: Double-click the SDP2000 application shown in Figure 1-1 above, and click "Next".



Step 2: Select the destination location, click "Next".



Step 3: Wait for the installation progress to complete. Click "Finish".



Step 4: After the platform is installed, the control panel pops up on the desktop.



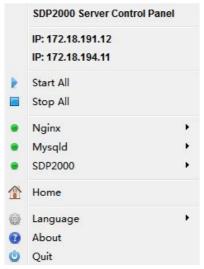


NOTE

- Currently, SDP2000_EN_x64_VX.X.X.exe software can only be installed on a computer with 64 bit Windows system.
- After the smart terminal platform is installed, a shortcut icon" ", pops up on the desktop. Double-click to run the program.
- When installing the software, the anti-virus software in the computer must be closed.

4.2 Server introduction

Right-click the " "icon in the lower right corner of the desktop, you can restart the software and switch the system language and other operations, as shown in Figure 4-2 below.



4.2.1 Restart the system software

When abnormality occurs on the smart terminal platform, such as abnormal reading or abnormal data interface request, please follow the steps below:

Step 1: Right-click the " icon in the lower right corner of the desktop.

Step 2: Check if the status of Nginx, Mysqld, and SDP2000 is "green (normal status), if any item displays "gray status, then you need to "restart" the software, so that the status of PHP, Nginx, and MariaDb becomes "green (Normal state), as shown in Figure 4-3 below.

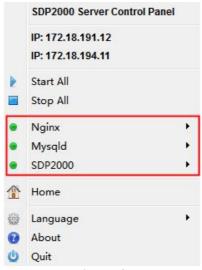


Figure 4-3



When the status of Nginx, Mysqld and SDP2000 are all gray, click open all, restart all, wait for the status to change to gray.

4.2.2 Language switch

The steps to switch the language of the web page and server are as follows:

Step 1: Right-click the "Wicon in the lower right corner of the desktop.

Step 2: Click "Language", select language to switch, click "OK".

Step 3: Right-click the " icon in the lower right corner of the desktop, click "Quit".

4.3 Introduction of SDP2000 sever control panel

The interface of SDP2000 server control panel is shown in Figure 4-4 below.



Figure 4-4

The functions of SDP2000 server control panel are shown in Table 4-1 as below.

Button	NOTE	
Start	Start all services	
Stop	Stop all services	
Close	Close the taskbar	
	Enter the SDP2000 login interface	

Table 4-1

Chapter 5 Smart Device Platform Operation

5.1 Smart device platform login

The steps to log in to SDP2000 are as follows

Step 1: Double-click the desktop icon " to run the smart device platform.

Step 2: Double-click the desktop icon " "pop up SDP2000 server control panel, as shown in Figure 5-1 below.



Figure 5-1

Step 3: In SDP2000 server control panel click "1" to enter the login interface, as shown in Figure 5-2 below.

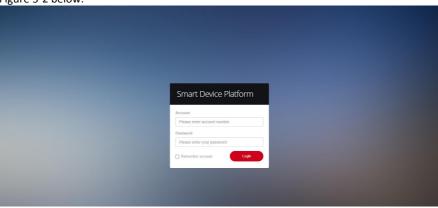


Figure 5-2

Enter the user name and password, the default user name is admin, the password is admin, click "Login".



It is recommended to set Google Chrome or Firefox as the computer's default browser.

5.2 Smart Device Platform Introduction

The SDP2000 platform data center provides users with comprehensive data services, and displays the equipment, personnel, visitors, and snapshot data managed by the platform in the form of data charts, allowing you to quickly grasp the latest developments of equipment and personnel. At the same time, you can enter the time to view visitor trends and abnormal trends, as shown in Figure 5-3 below.

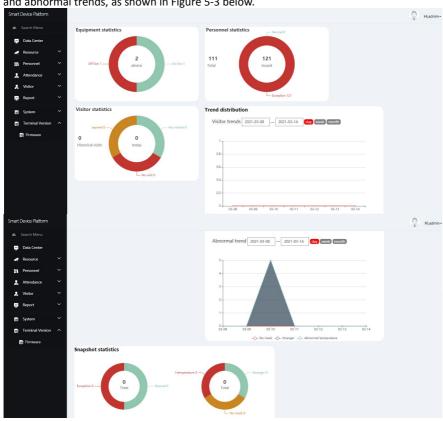


Figure 5-3

The functions of Smart device platform control interface are shown in Table 5-1 as below.

Menu		Functions	
Data Center	Data Center	Used to display statistical equipment, personnel, visitors, snapshot data and trend distribution.	
Resource	Device	Used to add devices, view, configure, delete, and	

		upgrade devices.	
	Authorization Records	Used to view device authorization records, and re-authorize when authorization and delivery are abnormal.	
Personnel	Department	For adding, viewing, editing, and deleting organizations.	
	Personnel	Add, view, edit and delete people to an existing organization.	
Visitor	Visitor Information	Used to register, view and delete visitor records of visitor information.	
	Attendance Point	Used to set attendance locations, where you can add or delete attendance location	
Attendance	Holiday Management	The attendance can be managed according to different holidays, where you can add, edit, and delete holidays.	
	Holiday Type	It is used to set corporate leave categories, such as "personal leave", "sick leave", "annual leave", "maternity leave", "marriage leave", etc. Here, you can add, edit, or delete false species.	
	Attendance Team	The attendance group belongs to an independent department. You can organize personnel from different departments into the attendance group for unified scheduling management, where you can add, edit, or delete attendance groups.	
	Shift	Used to set up and down clocking rules for employees during a work cycle, such as commuting time, clocking time interval, working day, rest day setting, and overtime setting, etc.	
	Schedule	Used to bind personnel and shifts, set which shifts the personnel take in what time period, and add, edit, and delete shift schedules here.	
	Punch In Record	Used to view and export the check-in records of personnel in various departments, including time, check-in location and check-in times.	
	Time Tracking	When there are abnormal shifts such as card replacement, leave, business trip, transfer of leave, overtime, etc., the corresponding operations can be completed through the attendance processing.	
	Attendance Record	Used to view and export the attendance status of personnel in various departments, such as normal, absent, early leave, overtime and other attendance status.	

	Monthly Summary	Used to generate a report of the attendance records of individuals, departments, and attendance groups in the past month.	
	Overtime Balance	Used to view the remaining amount of overtime for all employees.	
	Manual Calculation	Used to manually generate the attendance record of the selected missing date.	
Visitor	Visitor Information	Used for visitor registration and viewing, deleting visit records.	
	Personnel Access	Used to view and export all normal access records, including internal personnel records and visitor records.	
Report	Abnormal Access	Used to view and export all abnormal entry and exit records, such as "No Mask", "Guest", "Abnormal Temperature" and other records.	
	Visitor	Used to view and export all guest records that have been visited.	
	Area	It can be divided into multiple areas according to the actual needs of users, where areas can be added, deleted, edited.	
System	User	Used to view, add, edit, delete the account of smart device platform .	
	Role	User roles with different permissions can be configured according to actual needs, and roles can be added, edited, and deleted.	
	Log	Used to view and export all platform logs.	
	System Settings	Used to switch system and device language.	
	Cloud Services	Used to activate cloud services.	
Terminal Version	Firmware	Used to store and delete the firmware version of the device.	

Table 5-1

5.3 Data Center

The SDP2000 platform data center provides users with comprehensive data services, and displays the equipment, personnel, visitors, and snapshot data managed by the platform in the form of data charts, allowing you to quickly grasp the latest developments in equipment and personnel. At the same time, you can enter the time to view visitor trends and abnormal trends, as shown in Figure 5-4 below:



Figure 5-4

5.4 Resource

5.4.1 Device

Device management can add, delete, configure devices, and export device lists.

5.4.1.1 Add device

Add device by LAN search



- Make sure that the device to be added is on the same local area network as the computer, and it is turned on and online.
- The status of the device to be added by the platform must be "Not Added".

The specific steps are as follows:

Step1: In the smart device platform interface, click "Resource→Device" to enter the device management interface, as shown in Figure 5-5 below.

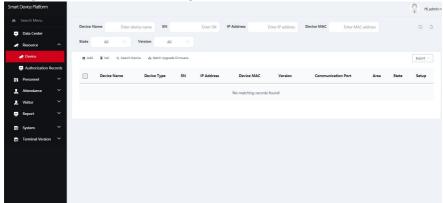


Figure 5-5

Step 2: Click "Search Device", click the " " icon of the device to be added, as shown in Figure 5-6 below.

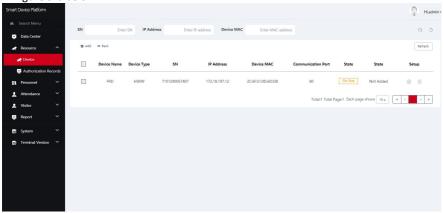


Figure 5-6

Step 3: Configure device network parameters(IP Address, Network Mask, Gateway, DNS), click "Submit", as shown in Figure 5-7 below.

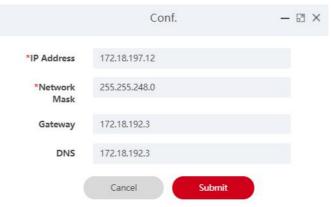


Figure 5-7

Step 4: Click "-, select the region to which the device belongs, click "Set", as shown in Figure 5-8 below.

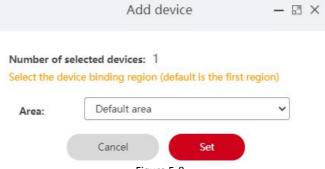


Figure 5-8

Step 5: The device is successfully added to the device list, as shown in Figure 5-9 below.



Figure 5-9

Add device manually

- Make sure that the device to be added is on the same local area network as the computer, and it is turned on and online. The network is not connected to a DHCP server.
- The status of the device to be added by the platform must be "Not Added".
- When the device is not connected to the DHCP server, the default IP is "192.168.1.88", the password is "12345", and the port is "7080".

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Resource→Device" to enter the

device management interface, as shown in Figure 5-10 below.

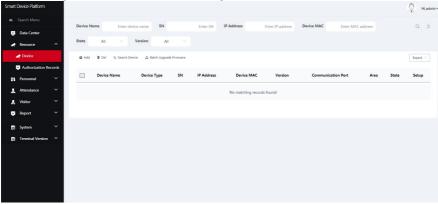


Figure 5-10

", enter the network information of the device to be added(IP Address, Device Password, Port, Area), select area, click "Save", as shown in Figure 5-11 below.



Figure 5-11

Step 3: The device is successfully added to the device list, as shown in Figure 5-12 below.



Figure 5-12

5.4.1.2 Delete device

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Resource→Device" to enter the device management interface, as shown in Figure 5-13 below.

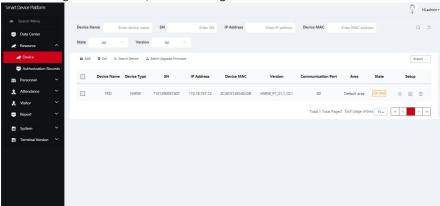


Figure 5-13

Step 2: Click the" to delete the device → Confirm", as shown in Figure 5-14 below.

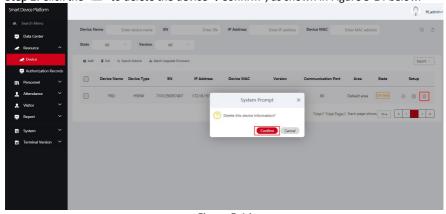


Figure 5-14

Step 3: The selected device has been deleted, as shown in Figure 5-15 below.

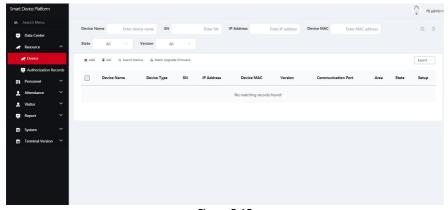


Figure 5-15



5.4.1.3 Configure device

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Resource→Device" to enter the device management interface, as shown in Figure 5-16 below.

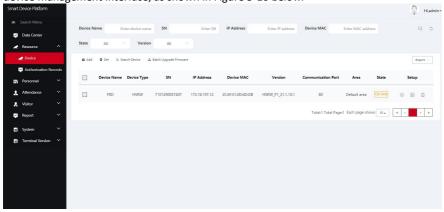


Figure 5-16

Step 2: Click the device to be configured" to enter the configuration interface, it is composed of Basic Parameters, Network Config, Remote Config, Version Info and Function Parameters, as shown in Figure 5-17 below.



Figure 5-17

Step 3: Configure the device according to actual needs.

Basic Parameters Configuration:

- 1.In the Conf.interface, click "Basic Parameters".
- 2.Input Device Name, Device Password, Area, click "Set".

[Device Name] The default is the device serial number, which can be modified as needed. [Device Password] The default is 12345, which can be modified as needed. [Area] Select the area where the device is located according to the actual situation.

✓ Network Configuration:

- 1.In the Conf. interface, click "Network Config".
- 2.Modify the IP Address, Network Mask, Gateway, DNS1&DNS2 of the device according to actual needs, click "Set", as shown in Figure 5-18 below.

Conf.	- ∃ ×
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Basic Parameters	Network Config	Remote Config	Version Info	Function Parameters
*IP Address				172.18.197.1
*Network Mask				255.255.248.0
Gateway				172.18.192.
DNS1				114.114.114.11
DNS2				8.8.8.

Figure 5-18

[IP Address] The default is 192.168.1.88, which can be modified as needed. [Network Mask] The default is 255.255.255.0, which can be modified as needed. [Gateway] The default is 192.168.1.1, which can be modified as needed. [DNS1] The preferred DNS server.

[DNS2] Alternative DNS server.



The above is the default network parameters when the device is not connected to the DHCP server

Remote Configuration:

Remote configuration is used to restart the device, set the device volume, screen brightness and other related parameters.

- 1.In the Conf. interface, click "Remote Config".
- 2. Restart, upgrade, switch languages and restore the factory smart device according to actual needs, set the volume, screen brightness and supplementary lighting, as shown in Figure 5-19 below.

Conf. – □ ×

- 团 X

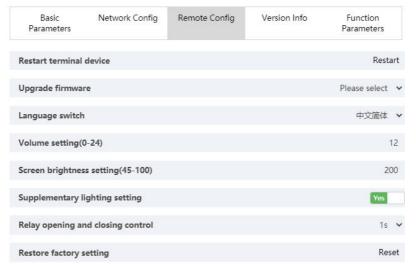


Figure 5-19

✓ Version Info:

- 1.In the Conf.interface, click "Version Info".
- 2.Here you can view the device model, firmware version and serial number and other information, as shown in Figure 5-20 below.

Conf.

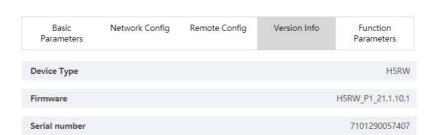


Figure 5-20

√ Function Parameters Configuration:

- 1.In the Conf.interface, click "Function Parameters".
- 2.Here you can set Temperature Check, Alarm Temperature, Stranger Access and Mask Detection.

3.click "Set" to complete function parameter configuration, as shown in Figure 5-21 below.

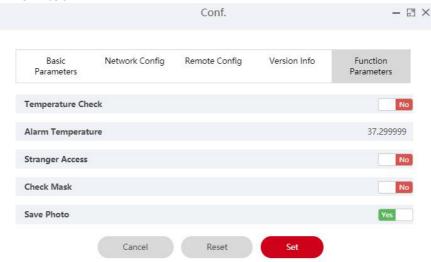


Figure 5-21

[Temperature Check] The default is off. After the device is turned on, the device starts to measure the temperature of passers-by, and the measured temperature is displayed on the device screen.

[Alarm Temperature] The default is 37.3 $^{\circ}$ C. After enable Temperature Check, when the device detects that the passing person exceeds the alarm temperature, the device will broadcast "Abnormal Temperature" and prohibit the person from passing.

[Stranger Access] The default is off. After enable Stranger Access, when the device detects a stranger, the person is allowed to pass through.

[Check Mask] The default is off. After enable Mask Detection, when the device detects that the passing person is not wearing a mask, the device will broadcast "No Mask".

[Save Photo] The default is off. At this time, all the places that capture pictures (such as personnel pass records, abnormal pass records, historical visitor records) will not capture face pictures. After it is turned on, the system will save a snapshot of the face of the passer-by.

5.4.1.4 Report Export

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Resource→Device" to enter the device management interface, as shown in Figure 5-22 below.

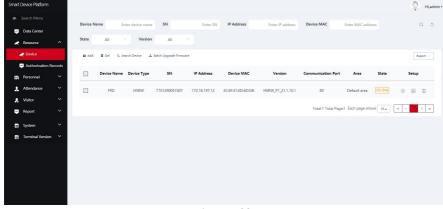


Figure 5-22

Step 2: Click " Export ", choose the format of the exported document, such as "Excel", as shown in Figure 5-23 below.



Figure 5-23

Step 3: The device list is exported in word document format, and the document content is shown in Figure 5-24 below.



Figure 5-24

5.4.1.5 Batch Upgrade Firmware

Batch Upgrade Firmware can simultaneously upgrade the firmware of one or multiple devices of the same model.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Terminal Version→Firmware" to enter the firmware version interface, as shown in Figure 5-25 below.

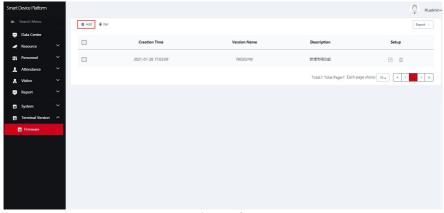


Figure 5-25

Step 2: Click " Add" to enter the version records interface, as shown in Figure 5-26 below.

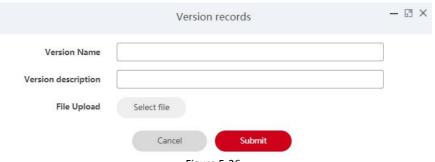


Figure 5-26

Step 3: Input the version name and the version description, click "Select file" to upload the firmware version to the platform

Step 4: Click "Submit".

Step 5: Click "Resource→Device" to enter the device management interface, as shown in Figure 5-27 below.

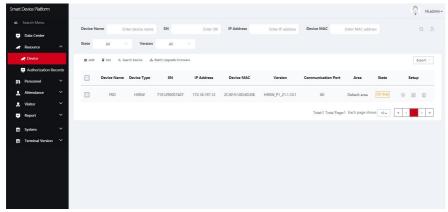


Figure 5-27

Step 6: Select the device to upgrade, click " Batch Upgrade Firmware ", as shown in Figure 5-28 below.

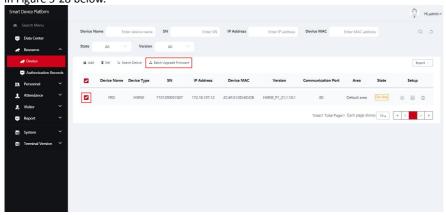


Figure 5-28

Step 7: Select the upgrade firmware version on the platform, click "To upgrade", wait for the device side to upgrade, the device will automatically restart after the upgrade is completed, and the upgrade is successful after the restart, as shown in Figure 5-29 below.

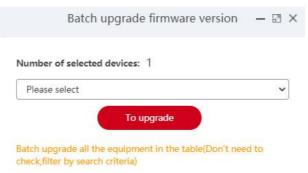


Figure 5-29



 When the device is being upgraded, please do not power off the device or disconnect the Internet.

5.4.2 Authorization Records

The authorization record interface can view the distribution of photos of all personnel, and can also authorize and re-issue photos of abnormal personnel to unauthorized personnel.

5.4.2.1 Authorization

Authorization is used to authorize all unauthorized persons at one time, that is, to deliver photos of unauthorized persons to the device.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Device→Authorization Records" to enter the authorization records interface, as shown in Figure 5-30 below.

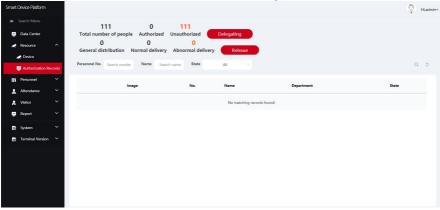


Figure 5-30

Step 2: Click "Delegating", the system will automatically identify the number of unauthorized persons, select the authorized area, and click "Submit", as shown in Figure 5-31 below.

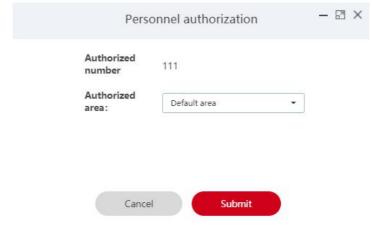


Figure 5-31

Step 3: Wait for the delivery progress to complete.

5.4.3 Reissue

Re-issue is used to re-authorize when the image is abnormal.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Device→Authorization Records" to enter the authorization records interface, as shown in Figure 5-302below.

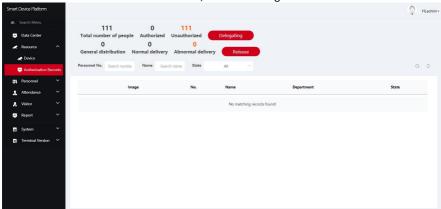


Figure 5-32

Step 2: Click "Reissue", the system will re-issue the picture to the device.

5.5 Personnel

5.5.1 Department

Smart device platform can add, edit and delete organization.

5.5.1.1 Add Organization

The specific steps are as follows:

 $\textbf{Step 1:} \ \, \textbf{In the smart device platform interface,} \textbf{click "Personnel} \boldsymbol{\rightarrow} \textbf{Department" to enter the}$

organization management interface, as shown in Figure 5-33 below.

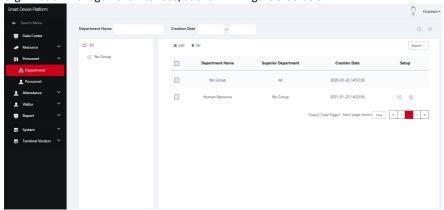


Figure 5-33

Step 2: Click " Add", as shown in Figure 5-34below.

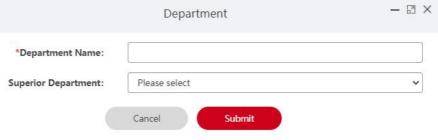


Figure 5-34

Step 3: Input the organization information (Department NO., Department Name, Superior Department, Remark), click "Submit" to complete the addition of the organization, as shown in Figure 5-35 below.

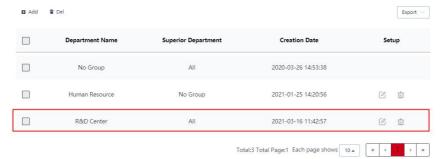


Figure 5-35

5.5.1.2 Edit organization

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Department" to enter the organization management interface, as shown in Figure 5-36 below.

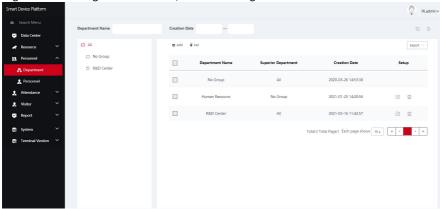


Figure 5-36

Step 2: Click the" of the organization you want to edit, as shown in Figure 5-37 below.

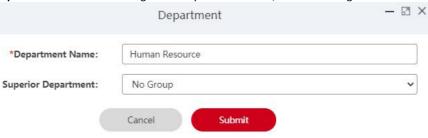


Figure 5-37

Step 3: Modify the organization information(Department Name, Remarks), click "Submit" to complete the modification.

5.5.1.3 Delete organization

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Department" to enter the organization management interface, as shown in Figure 5-38 below.

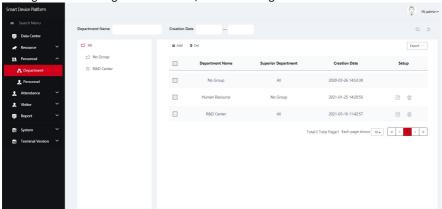


Figure 5-38

Step 2: Click the "Ш→Confirm" of the organization you want to delete to complete the organization deletion, as shown in Figure 5-39 below.

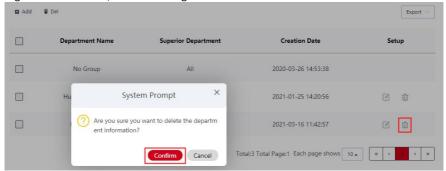


Figure 5-39



- Multiple organizations can be selected at the same time, click " Del " to delete multiple organizations(organizations without personnel) at the same time.
- All organizations can only be edited, not deleted.
- No Group organizations cannot be edited or deleted.

5.5.1.4 Organization search

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Department" to enter the

organization management interface, as shown in Figure 5-40 below.

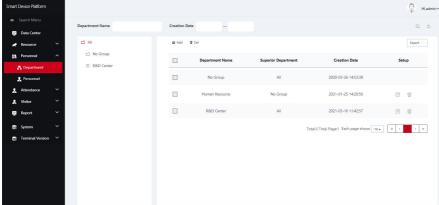


Figure 5-40

Step 2: Select all, or an organization.

Step 3: Enter a piece of information for the search organization(Such as Department No.,

Department Name or Creation Date), click "\rightarrow", search results will be displayed in the organization list, as shown in Figure 5-41 below.



Figure 5-41



 After searching for the organization, click "Export" to export the searched organization-related information to the document

5.5.2 Personnel

5.5.2.1 Add Personnel

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel" to enter the personnel management interface, as shown in Figure 5-42 below.

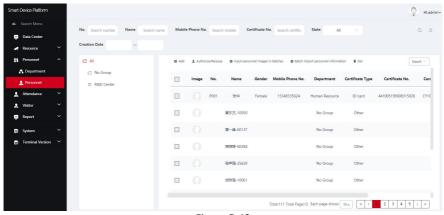


Figure 5-42

Step 2: Choose an organization, click " Add", as shown in Figure 5-43 below.

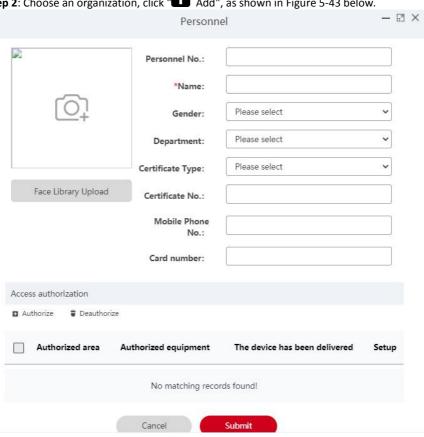


Figure 5-43

Step 3: Upload personnel pictures locally, enter personnel information(Personnel NO., Name, Gender, Department, Certificate Type, Certificate NO., Mobile Phone NO.).

Step 4: Click "Authorize" to set the authorization area, and click "Submit", all devices in this area are authorized to this person, as shown in Figure 5-44 below.

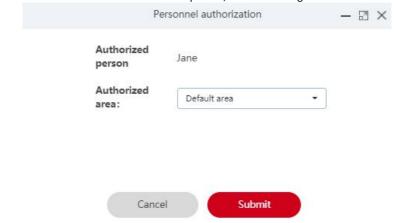


Figure 5-44

Step 5: Click "Submit" to complete the addition of personnel, as shown in Figure 5-45 below.

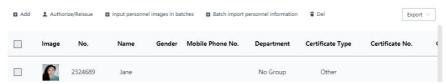


Figure 5-45

5.5.2.2 Add personnel in batches

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel" to enter the personnel management interface, as shown in Figure 5-46 below.

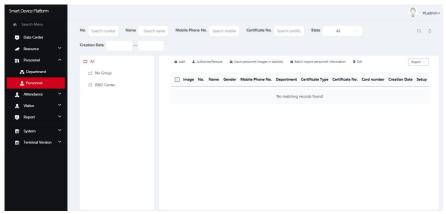
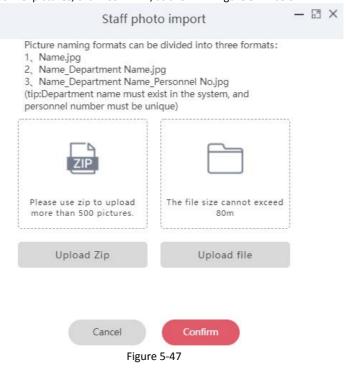


Figure 5-46

Step 2: Choose an organization, click "Input personnel images in batches".

Step 3: According to the actual situation, choose the folder or compressed package to store the personnel pictures, click "Confirm", as shown in Figure 5-47 below.





- The uploaded person photos can only be uploaded successfully if they are in JPG format.
- The clearer the uploaded pictures, the more accurate the device identification and the faster the speed, but the uploaded folder cannot exceed 80M, and if it is greater than 1500 pictures, please use the zip compression package to upload.
- The picture should be named as follow:
 - 1) Name.jpg
 - 2) Name Department Name.jpg
 - 3) Name Department Name Personnel No..jpg

Step 4: Wait for the upload progress to be completed, the personnel picture is uploaded, as shown in Figure 5-48 below.

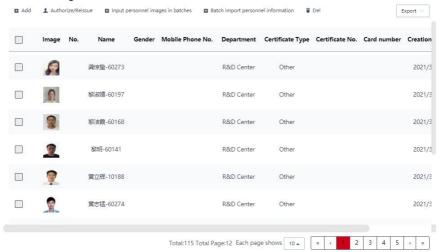


Figure 5-48

Input personnel in batches → batch add people templates", enter the information of the person corresponding to the imported picture into the template, and the corresponding number.

Step 6: Click "Import" to complete the information of the person who has imported the picture.

5.5.2.3 Edit Personnel

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel" to enter the personnel management interface, as shown in Figure 5-49 below.

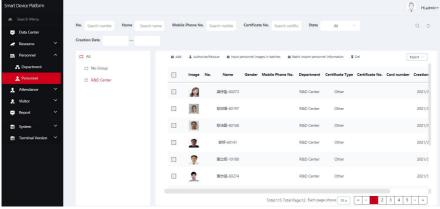


Figure 5-49

Step 2: Choose an organization, click the " of the person to be edited, enter the relevant information of the person, click "Submit" to complete personnel editing, as shown in Figure 5-50 below.

	Personnel No.:		
	*Personnel name:	Aimee Lee	
	Gender:	Please select	~
	Certificate Type:	Please select	~
	Certificate No.:		
Face Library Upload	Department:	R&D Center	~
	Mobile Phone No.:		
	Card number:		
Access authorization			
Authorize Deauthorize			
Authorized area Au	thorized equipment	The device has been delivered	Setup

5.5.2.4 Delete Personnel

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel" to enter the

personnel management interface, as shown in Figure 5-51 below.

Start Dates Pullform

Start Dates Pullform

No. Search Marke

No. Search marke
Name Search name
Name Search name
No. Search mobile
No. Search mobi

Figure 5-51

黄志锰-60274

Step 2: Choose an organization, click the icon of the person to be edited "☐→Confirm" to complete personnel deletion.

5.5.2.5 Authorize / Reissue

 $Personnel\ is sued\ refers\ to\ the\ distribution\ of\ personnel\ information\ to\ smart\ devices.$

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel" to enter the personnel management interface, as shown in Figure 5-52 below.

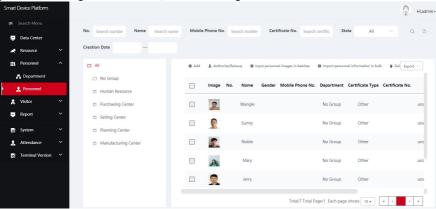


Figure 5-52

Step 2: Select the authorized person, click "Authorize/Reissue" of the person to be issued, select the authorized area, and click "Submit", as shown in Figure 5-53.

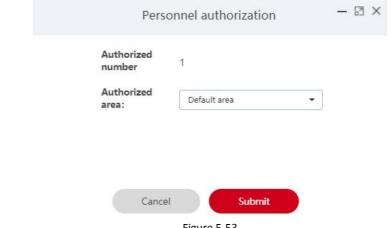


Figure 5-53

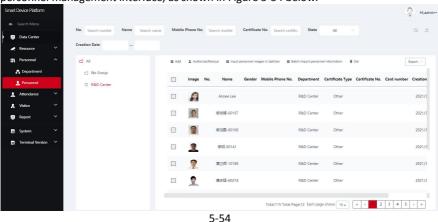


After adding people pictures in batches, send the pictures to the device according to the actual situation.

5.5.2.6 Search Personnel

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Personnel→Personnel"to enter the personnel management interface, as shown in Figure 5-54 below.



Step 2: Select "All", or an organization.

Step 3: At the top of the interface, enter a piece of information (such as NO., Name,

Mobile Phone NO., Certificate NO., or state) of the search person, click "\", search results will be displayed in the people list, as shown in Figure 5-55 below.

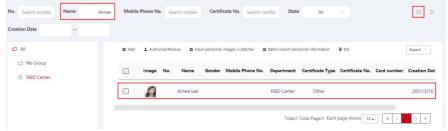


Figure 5-55



 After searching for personnel, click "Export" to export the relevant information of the searched personnel to the document.

5.6 Attendance

Attendance management manages staff attendance by setting attendance points and attendance plans, and inquires about attendance records.

5.6.1 Attendance Point

Attendance point, that is, the place of attendance, such as the front desk and the entrance of the office. Here you can add, edit, and delete attendance points.

5.6.1.1 Add Attendance Point

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Attendance Point" to enter the attendance point interface, as shown in Figure 5-56 below.

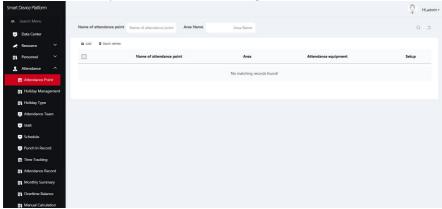


Figure 5-56

Step 2: Click " Add", enter the attendance point name, select the area and attendance equipment, and click "Submit", as shown in Figure 5-57.

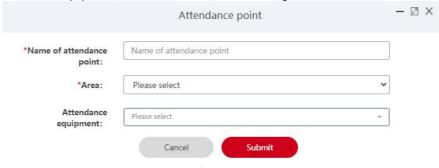


Figure 5-57

Step 3: The new attendance point is shown in Figure 5-58.



Figure 5-58

5.6.1.2 Edit Attendance Point

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Attendance Point" to enter the attendance point interface, as shown in Figure 5-59 below.

Sand Monuy

Date Center

Resource

Resource

Name of attendance point

Area Name

Area Name

Area Name

Area Name

Area Name

Area Name

Name of attendance point

Name of attendance point

Area Name

Name of attendance sequipment

Name of attendance point

Name of attendance point

Name of attendance point

Name of attendance sequipment

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Cefault area

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Total 2 Total Pages 1 Each page shows

Total 2 Total Pages 1 Each page shows

Total 2 Total Pages 1 Each page shows

Sand

Showledge

Punch in Record

There Totaling

Hattendance Record

Memory Summary

Hattendance Point

Area Name

Area N

Figure 5-59

Step 2: Click "O" of the attendance point to be edited, as shown in Figure 5-60.

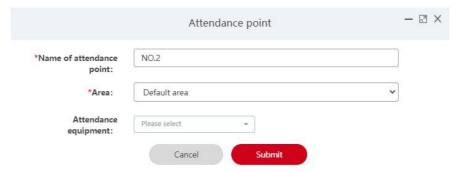


Figure 5-60

Step 3: Modify the attendance point information (name, area and attendance equipment), click "Submit" to complete the modification.

5.6.1.3 Delete Attendance Point

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Attendance Point" to enter the attendance point interface, as shown in Figure 5-61 below.

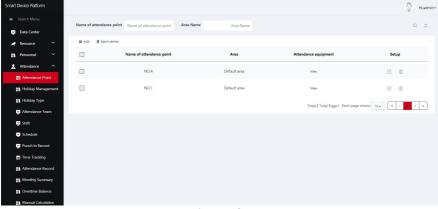


Figure 5-61

Step 2: Choose an attendance point, click the icon of the point to be edited " → Confirm" to complete attendance point deletion.



You can select multiple attendance points, and click " Batch delete " to delete multiple attendance points at the same time.

5.6.2 Holiday Management

Holiday management can manage attendance according to different holidays, where you can add, edit, and delete holidays.

5.6.2.1 Add Holiday

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Holiday Management"

to enter the holiday management interface, as shown in Figure 5-62 below.

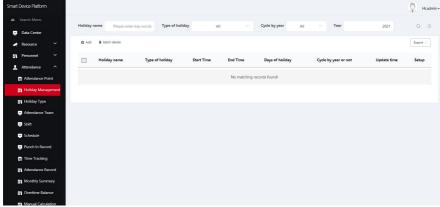


Figure 5-62

Step 2: Click "Add", set holiday information (select holiday type, enter holiday name, set holiday time, choose whether to recycle by year), click "Submit", as shown in Figure 5-63 below.

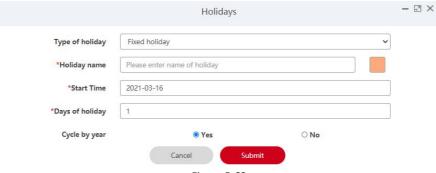


Figure 5-63

Step 3: The new holiday is shown in Figure 5-64.



Figure 5-64

5.6.2.2 Edit Holiday

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Holiday Management" to enter the holiday management interface, as shown in Figure 5-65 below.

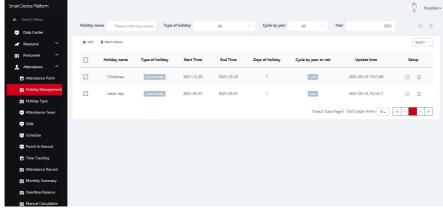


Figure 5-65

Step 2: Click "O" of the holiday to be edited, as shown in Figure 5-66.

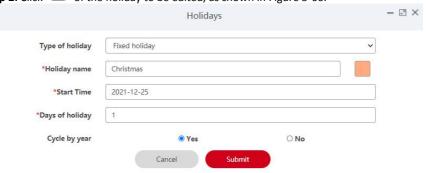


Figure 5-66

Step 3: Modify the holiday information (Type, name, time, etc.), click "Submit" to complete the modification.

5.6.2.3 Delete Holiday

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Holiday Management" to enter the holiday management interface, as shown in Figure 5-67 below.

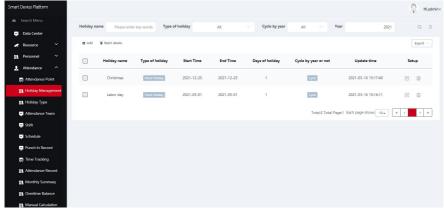


Figure 5-67

Step 2: Choose an holiday, click the icon of the holiday to be edited " → Confirm" to complete holiday deletion.



 You can select multiple holidays, and click " Batch delete " to delete multiple holidays at the same time.

5.6.3 Holiday Type

The holiday type management is used to set company leave categories, such as "Personal Leave", "Sick Leave", "Annual Leave", "Maternity Leave", "Wedding Leave", etc. Here you can add, edit, or delete the fake species.

5.6.3.1 Add Holiday Type

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \Rightarrow Holiday Type" to enter the holiday type interface, as shown in Figure 5-68 below.

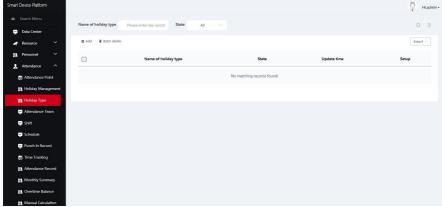


Figure 5-68

Step 2: Click "Add", set the holiday type information (enter the name of the holiday, such as "Personal Leave", "Sick Leave", "Maternity Leave", set the holiday type status), click "Submit", as shown in Figure 5-69 below.

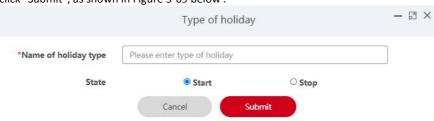


Figure 5-69

Step 3: The new holiday type is shown in Figure 5-70.



Figure 5-70

5.6.3.2 Edit Holiday Type

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Holiday Type" to enter the holiday type interface, as shown in Figure 5-71 below.

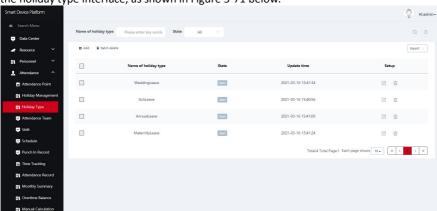


Figure 5-71

Step 2: Click " of the holiday type to be edited, as shown in Figure 5-72.

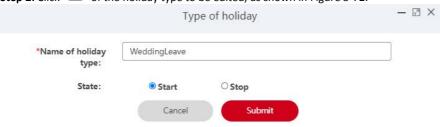


Figure 5-72

Step 3: Modify the holiday information (name, state), click "Submit" to complete the modification.

5.6.3.3 Delete Holiday Type

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance →Holiday Type" to enter the holiday type interface, as shown in Figure 5-73 below.

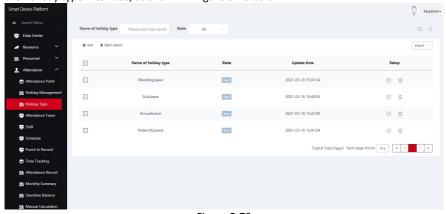


Figure 5-73

Step 2: Choose an holiday type, click the icon of the holiday type to be edited "□□→Confirm" to complete holiday type deletion.



You can select multiple holiday types, click " Batch delete " to delete multiple holiday types at the same time.

5.6.4 Attendance Team

The attendance group is an independent department, and you can organize personnel from different departments into the attendance group for unified scheduling management.

5.6.4.1 Add Attendance Team

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Attendance Team" to enter the attendance team interface, as shown in Figure 5-74 below.

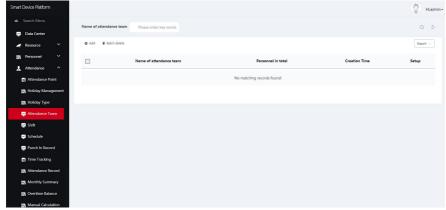


Figure 5-74

Step 2: Click "Add", set the attendance group (enter the name of the attendance group, select the group of personnel), and click "Submit", as shown in Figure 5-75 below.

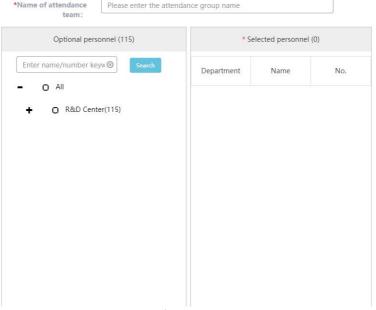


Figure 5-75

Step 3: The new attendance team is shown in Figure 5-76.



Figure 5-76

5.6.4.2 Edit Attendance Team

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Attendance Team" to enter the attendance team interface, as shown in Figure 5-77 below.

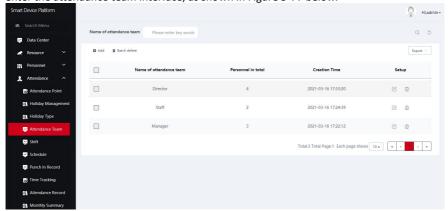


Figure 5-77

Step 2: Click "O" of the attendance team to be edited, as shown in Figure 5-78.



Figure 5-78

Step 3: Modify the attendance team information (name, personnel), click "Submit" to complete the modification.

5.6.4.3 Delete Attendance Team

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Attendance Team" to enter the attendance team interface, as shown in Figure 5-79 below.

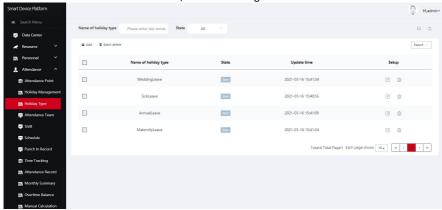


Figure 5-79

Step 2: Choose an attendance team, click the icon of the attendance team to be edited "□□→Confirm" to complete deletion.



You can select multiple attendance teams, click " Batch delete " to delete multiple attendance teams at the same time.

5.6.5 Shift

Shift management is used to set up and down clocking rules for employees during a work cycle, such as commuting time, clocking time interval, working day, rest day setting, and overtime setting, etc.

5.6.5.1 Add Shift

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Shift" to enter the shift management interface, as shown in Figure 5-80 below.

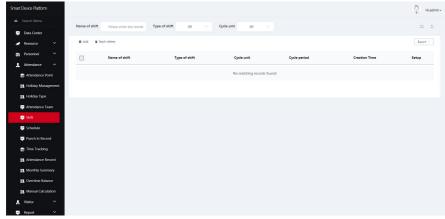
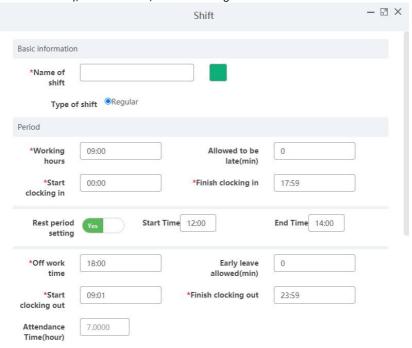


Figure 5-80

Step 2: Click " Add", set the shift (input basic information, time period, working day, set overtime rules), click "Submit", as shown in Figure 5-81 below.



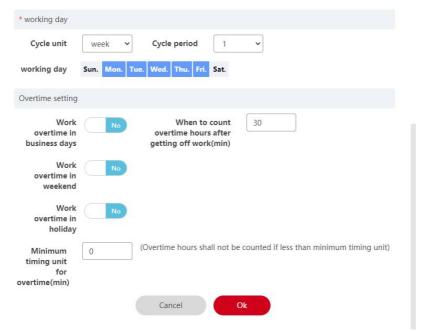


Figure 5-81

Step 3: The new shift is shown in Figure 5-82.



Figure 5-82

5.6.5.2 Edit Shift

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Shift" to enter the Shift management interface, as shown in Figure 5-83 below.

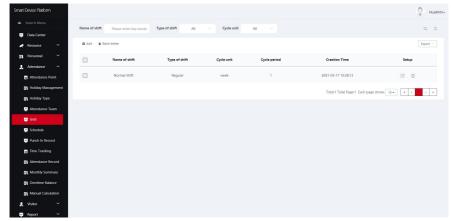
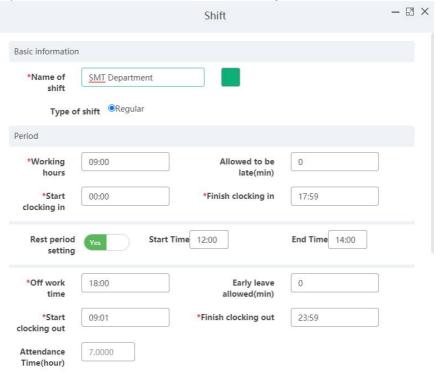


Figure 5-83

Step 2: Click " of the shift to be edited, as shown in Figure 5-84.



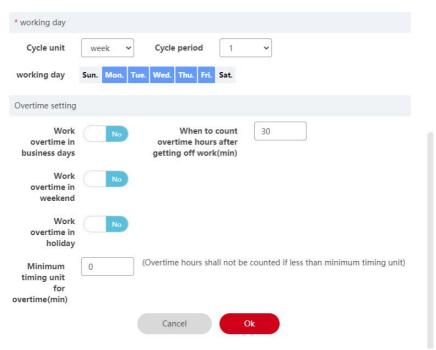


Figure 5-84

Step 3: Modify the shift information (basic information, period, working day, overtime setting), click "Submit" to complete the modification.

5.6.5.3 Delete Shift

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Shift" to enter the shift management interface, as shown in Figure 5-85 below.

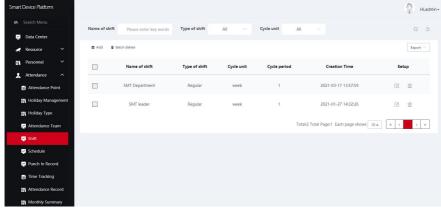


Figure 5-85

Step 2: Choose a shift, click the icon of the shift to be edited " → Confirm" to complete deletion.



- You can select multiple shifts, click " Batch delete " to delete multiple shifts at the same time.
- When deleting a scheduled shift, you must delete the corresponding shift first and then delete the shift.

5.6.6 Schedule

Schedule is used to bind personnel and shifts, and set which shifts the personnel take during what time period. There are two ways of department scheduling and attendance team scheduling.

5.6.6.1 Add Schedule

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Schedule" to enter the schedule management interface, as shown in Figure 5-86 below.

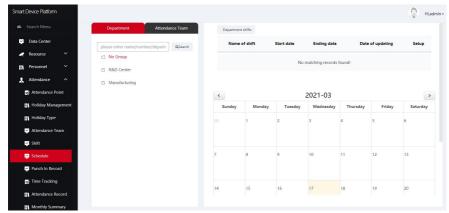
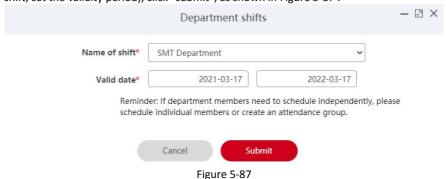


Figure 5-86

Step 2: Click the "Department (or Attendance Team) → Department (Attendance Team) → Department Shifts" (Attendance Team shifts) button to set the shift schedule (select the shift, set the validity period), click "submit", as shown in Figure 5-87.



rigule 3-67

Step 3: The new department schedule is shown in Figure 5-88.

ift Start date Ending d	ate Date of updati	ng Setup
nent 2021-03-17 2022-03-	17 2021-03-17	C ŵ

Figure 5-88



• After adding a shift, you can directly view the scheduled shifts on the calendar.

- Personal schedule: Click "Department", select the individual under the department, click the "Personal Shift" button, set the schedule (select the shift, set the validity period), and click "Submit" to complete the individual schedule.
- You can add a schedule by selecting a date (1 or more days) on the calendar.

5.6.6.2 Edit Schedule

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Schedule" to enter the schedule management interface, as shown in Figure 5-89 below.

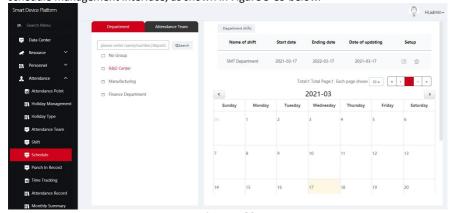


Figure 5-89

Step 2: Click " of the schedule to be edited, as shown in Figure 5-90.

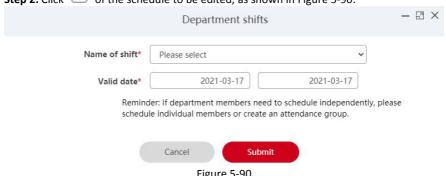


Figure 5-90

Step 3: Modify the schedule information (name, period), click "Submit" to complete the modification.

5.6.6.3 Delete Schedule

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Schedule" to enter the schedule management interface, as shown in Figure 5-91 below.

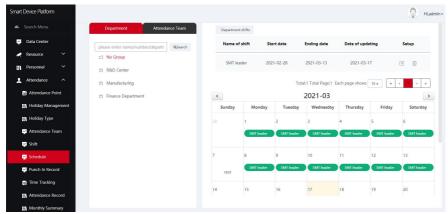


Figure 5-91

Step 2: Choose a schedule, click the icon of the schedule to be edited "☐→Confirm" to complete deletion.

5.6.7 Punch In Record

Pinch in records are used to view and export the check-in records of personnel in various departments, including time, place and times of punch-in.

5.6.7.1 View Pinch In Record

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Pinch In Record" to enter the pinch in record interface, as shown in Figure 5-92 below.

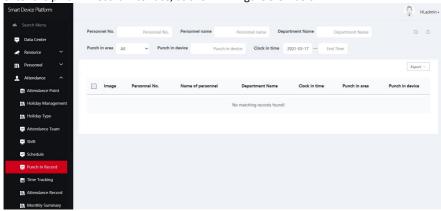


Figure 5-92

Step 2: Check all the employee clock-in records in the list (displayed in order from now to the past), and you can turn the page through " « < 1 > > > ".



- You can enter a piece of pinch in information (such as personnel NO., name, department name, pinch in area, clock in time) at the top of the check-in record
 - interface, and click " , and the search result will be displayed in the list.
- Through "Export->Excel", the file that records all card replenishment records can be exported.

5.6.8 Time Tracking

In case of abnormal shifts such as card replacement, leave, business trip, transfer of leave, overtime, etc., the corresponding operations can be completed through the attendance processing.

5.6.8.1 Makeup

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Time Tracking" to enter the makeup interface, as shown in Figure 5-93 below.

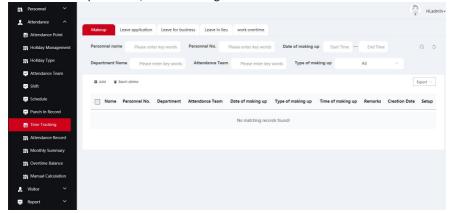


Figure 5-93

Step 2: Select "Makeup" and click on "Add" to enter the apply new making up interface, as shown in Figure 5-94.

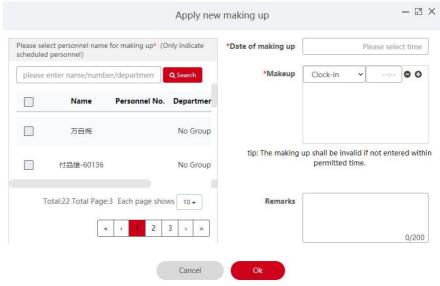


Figure 5-94

Step 3: On the left side of the interface, select the person who made up the card (you can find it through search), and on the right side select the date, type, time, and reason for making up the card, and click "Ok" to complete, as shown in Figure 5-95 blow.

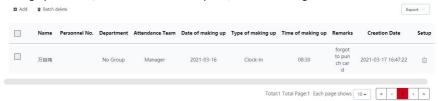


Figure 5-95



- When adding making card records, multiple people can be selected at the same time to generate multiple making card records.
- You can enter a piece of card replacement information (such as name, personnel NO., name, department name, attendance team, card replacement time) at the top
 - of the card replacement record interface, and click ", and the search result will be displayed in the list.
- Through "Export->Excel", the file that records all card replenishment records can be exported.
- You can delete the card replacement record through "□ → Confirm", and delete multiple records through " Batch delete ".

5.6.8.2 Leave Application

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Time Tracking" to enter the time tracking interface

Step 2: Select "Leave application" and click on " Add" to enter the apply new leave application interface, as shown in Figure 5-96.

Person applying for leave	please enter name/number/department/key words of attendance to	
*Type of leave	WeddingLeave	v
*Time of leave	Start Time End Tim	ie
Hours/Days of leave (Exclude rest time) Remarks		
		0/200

Figure 5-96

Step 3: Set the leave-related information (enter the name, the time period, remarks about the reason, and select the leave type), and click "Ok" to complete, as shown in Figure 5-97 below.



Figure 5-97



- You can enter a piece of leave information (such as name, personnel NO., department name, attendance team, leave type, leave date) at the top of the leave record interface, and click ", and the search result will be displayed in the list.
- You can export the file that records all leave records through "Export→Excel".

 You can delete the leave record through " → OK", and delete multiple records through " Batch delete ".

5.6.8.3 Leave For Business

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Time Tracking" to enter the time tracking interface

Step 2: Select "Leave for business" and click on " Add" to enter the apply new leave for business application interface, as shown in Figure 5-98.

*Person of leave for	places onter name (number	r/department/key words of attendance	+6
business	please effet flame/flumbe	r/department/key words of attendance	ie
*Period of leave for business	Start Time	End Time	
Hours/Days of leaving for business (Exclude rest time)			
Remarks			
		0/2	200

Figure 5-98

Step 3: Set travel-related information (enter the name, travel time, remarks on the reason for the travel), and click "Ok" to complete, as shown in Figure 5-99 below.



Figure 5-99



You can enter a piece of travel information (such as name, personnel NO., travel time, department name, attendance team) at the top of the travel record interface, and click " , and the search results will be displayed in the list.

- Through "Export → Excel", you can export the files that record all the business trip records.
- You can delete the business trip record through " → OK", and delete multiple records through " Batch delete ".

5.6.8.4 Leave In Lieu

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Time Tracking" to enter the time tracking interface

Step 2: Select "Leave in Lieu" and click on " Add" to enter the apply new leave in lieu application interface, as shown in Figure 5-100.



Figure 5-100

Step 3: Set leave in lieu information (enter the name, time period, remarks on the reason), and click "Ok" to complete.



delete multiple records.

- You can enter a piece of time off information at the top of the time off record interface (such as name, personnel NO., time period, department name, attendance
 - team), and click " , and the search results will be displayed in the list.

 Through "Export→Excel", you can export the files that record all the rest records.
- You can use " → OK" to delete the transfer record, and " Batch delete " to
- You can apply for a time off only if you have an overtime balance.

5.6.8.5 Work Overtime

Overtime is used to view all overtime records of allowed overtime shifts.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Time Tracking" to enter the time tracking interface

Step 2: Select "work overtime" to enter the work overtime record interface, as shown in Figure 5-101 below.

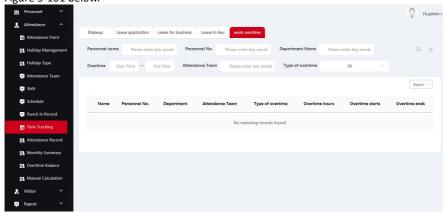


Figure 5-101

Step 3: Here you can view all overtime records.



NOTE

- An overtime record is generated when the employee's overtime duration exceeds the minimum overtime unit. For example, if the minimum overtime unit is 0.5 hours, then the overtime duration is 0.4 hours (there is no record at this time).
- The system records the overtime duration as an integer multiple of the minimum overtime unit (the step unit of the overtime duration). For example, the minimum overtime unit is 0.5 hours, when the overtime duration is 0.6 hours (recorded as 0.5 hours), the overtime duration is 1.3 hours (recorded as 1 hour).
- You can enter a piece of overtime information (such as name, personnel NO., department name, overtime time, attendance team, overtime type) at the top of
 - the overtime record interface, click " , and the search result will be displayed in the list.
- You can export the file that records all overtime records through "Export→Excel".

5.6.9 Attendance Record

Attendance records are used to view and export the attendance status of personnel in various departments, such as normal, absent, leave early, and overtime.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Attendance Record" to enter the attendance record interface, as shown in Figure 5-102 below.

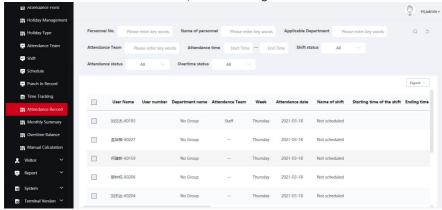


Figure 5-102



- You can enter a piece of attendance information (such as personnel NO., name, applicable department, attendance team, attendance time, shift status, attendance status, overtime status) at the top of the attendance record interface, click ", and the search result will be displayed in the list.
- Through "Export->Excel", the file that records all attendance records can be exported.

5.6.10 Monthly Summary

The monthly summary is used to generate a report of the attendance records of individuals, departments, and attendance groups in the past month.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Monthly Summary" to enter the monthly summary interface, as shown in Figure 5-103 below.



Figure 5-103

Step 2: Select the type of attendance summary, such as "Personal attendance record summarized", click "Output as sheet", as shown in Figure 5-104.

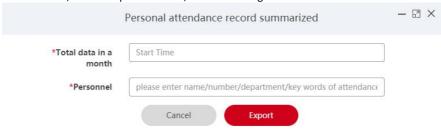


Figure 5-104

Step 3: Select the summary month, enter the personnel name, and click "Export" to export the attendance summary report, as shown in Figure 5-105.



Figure 5-105

5.6.11 Overtime Balance

Overtime balance is used to view the remaining amount of overtime for all employees.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance \rightarrow Overtime Balance" to enter the overtime balance interface, as shown in Figure 5-106 below.

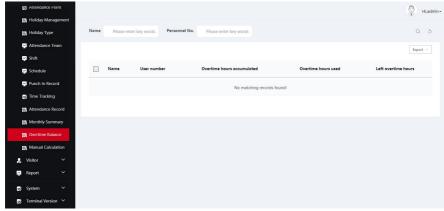


Figure 5-106



- You can enter a piece of personnel information (such as personnel NO., name) at the top of the overtime balance record interface, " , and the search result will be displayed in the list.
- Through "Export→Excel", the file that records all overtime balance can be exported.

5.6.12 Manual Calculation

Manual calculation is used to manually generate the attendance record of the selected missing date.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Attendance → Manual Calculation" to enter the manual calculation interface, as shown in Figure 5-107 below.

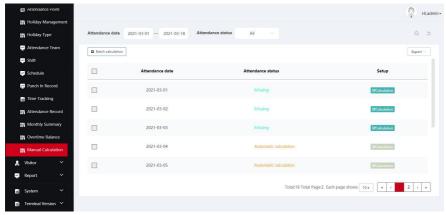


Figure 5-107

Step 2: Select the missing attendance date, click "Calculation→Confirm", the system will automatically make up the missing attendance date.



- The "Batch calculation" can be used to make up the selected multiple missing attendance dates at the same time.
- Through "Export→Excel", the file with all attendance records can be exported.
- You can enter the attendance date range (attendance date, status) at the top of the interface, ", and the search results will be displayed in the list.

5.7 Visitor

5.7.1 Visitor Information

5.7.1.1 Visitor Registration

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Visitor→Visitor Information" to enter the visitor information interface, as shown in Figure 5-108 below.

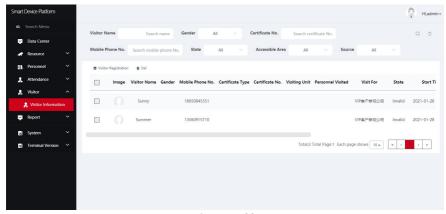


Figure 5-108

Step 2: Click "Visitor Registration" to enter the visitor registration interface, as shown in Figure 5-109 below.

	Visitor F	Registration		- 🛭 ×
	*Visitor Name:			
	Gender:	Female	•	
Ö,	Certificate Type:	ID card	~	
1/2	Certificate No.:			
Face Library Upload	Visiting Unit:			
	*Mobile Phone No.:			
	Personnel Visited:			
	Department Visited:			
	*Visit For:			
	*Start Time:			

Figure 5-109

Step 3: Upload visitor pictures, register visitor information, click "Submit" to complete visitor registration, as shown in Figure 5-110 below.



Figure 5-110



NOTE

- When registering visitor information, Gender, Certificate Type, Visiting Unit, Personnel Visited and Department Visited are optional items, other items with "*" are required items.
- After the visitor is registered, you need to click the " button to send the visitor information to the device.

5.7.1.2 View visitor records

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Visitor→Visitor Information" to enter the visitor information interface, as shown in Figure 5-111 below.

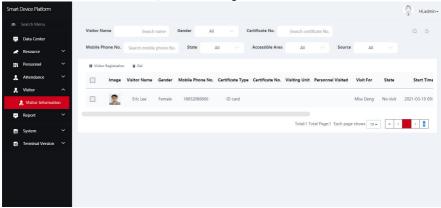


Figure 5-111

Step 2: To view all visitor information, you can turn pages by " " " "



NOTE

- At the top of the interface, enter a piece of information (such as Visitor Name, Gender, Certificate NO., Mobile Phone NO., State, Accessible Area, or Source) of a visitor information, click "Q", search results will be displayed in the visitor list.
- Once the visitor information is entered, it cannot be modified, but can only be viewed or deleted.

5.8 Report

5.8.1 Personnel Access

Personnel access records are used to view and export all normal access records, including internal personnel records and visitor records.

The specific steps for viewing personnel pass records are as follows:

Step 1: In the smart device platform interface, click "Report→Personnel Access" to enter the personnel access interface, as shown in Figure 5-112 below.

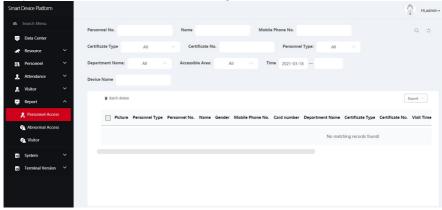


Figure 5-112

Step 2: To view all the passerby records in the personnel access record list (displayed in order from now to the past), you can turn the page by " ".



- At the top of the personnel access record interface, you can enter certain passerby information (such as Personnel NO., Name, Mobile phone NO., Certificate Type, Certificate NO., Personnel Type, Department Name, Accessible Area, Time, or
 Device Name), click ", and the search results are displayed in the personnel access list
- The specific information of passers can be viewed through the " button.
- Passing strangers can be entered into the system through the "button, and the device can be issued.
- You can use the "Export→Excel" button to export the personnel pass records in the form of files.

5.8.2 Abnormal Access

Abnormal Access is used to view and export all abnormal entry and exit records, such as "No Mask", "Stranger", "Abnormal Temperature".

The specific steps for viewing abnormal traffic records are as follows:

Step 1: In the smart device platform interface, click "Report→Abnormal Access" to enter the abnormal access interface, as shown in Figure 5-113 below.

Smart Device Patform

a. Search Menu

Data Centife

Resource

Resource

Report

Personnel No.

Name

Mobile Phone No.

Personnel Type

All

Certificate No.

Personnel Type

All

Certificate No.

Personnel Type

All

Certificate No.

Personnel Type

All

Department Name:

All

Accessible Area:

All

Device Name

Exception Type

All

Export

Report

Figure 5-113

Step 2: To view all the passerby records in the abnormal access record list (displayed in

order from now to the past), you can turn the page by"



- At the top of the abnormal traffic record interface, you can enter the information of a certain abnormal traffic person(such as Personnel NO., Name, Mobile phone NO., Certificate Type, Certificate NO., Personnel Type, State, Department Name,
 - Accessible Area, Time, Device Name, or Exception), click "Q", and the search results are displayed in the abnormal access list.
- You can use the "button to enter the exception handling interface to deal with this person."
- You can view the specific information of passers through the " button.
- Passing strangers can be entered into the system through the " button, and the device can be issued.
- Through "Export->Excel", the abnormal records of personnel passing can be exported in the form of files.

5.8.3 Visitor

Visitor is used to view and export all visitor records.

The specific steps for viewing historical visitor records are as follows:

Step 1: In the smart device platform interface, click "Report→Visitor" to enter the Visitor interface, as shown in Figure 5-114 below.

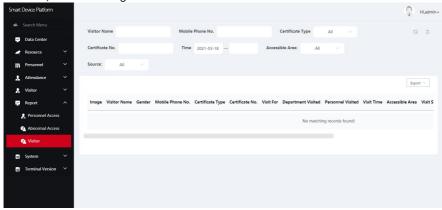


Figure 5-114

Step 2: To view all the visitor records in the visitor list (displayed in order from now to the past), you can turn the page by " ". "."



NOTE

- At the top of the visitor record interface, you can enter a certain visitor information(such as Visitor Name, Mobile Phone No., Certificate Type, Certificate No., Time, Accessible Area, or Source), "
 ," the search results are displayed in the visitor list.
- The specific information of passers can be viewed through the " button.
- The passer-by can be entered into the system through the " button, and the equipment can be issued.
- The historical visitor travel records can be exported as a file through "Export→Excel".

5.9 System

5.9.1 Area

Area can be divided into multiple areas according to the actual needs of users, where you can add, edit, and delete areas.

5.9.1.1 Add Area

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Area" to enter the area management interface, as shown in Figure 5-115 below.

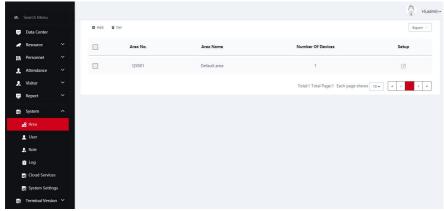


Figure 5-115

Step 2: Click "Add", enter the newly added area information(Area No., Area Name), as shown in Figure 5-116 below.



Figure 5-116

Step 3: Click "Submit" to complete adding area, as shown in Figure 5-117 below.



Figure 5-117

5.9.1.2 Edit Area

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Area" to enter the area management interface, as shown in Figure 5-118 below.

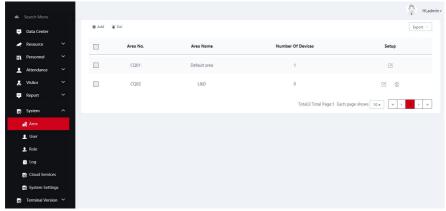


Figure 5-118

Step 2: Click "O" of the area you want to edit, enter information about the area, click "Submit" to complete area editing, as shown in Figure 5-119 below.



Figure 5-119

5.9.1.3 Delete Area

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Area" to enter the area management interface, as shown in Figure 5-120 below.

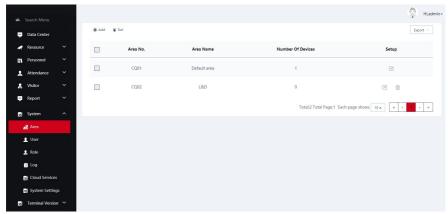


Figure 5-120

Step 2: Click the area you want to delete " → Confirm" to complete the area deletion.



• The default area can only be edited and cannot be deleted.

5.9.2 User

User management is used to view, add, edit, and delete smart device platform accounts.

5.9.2.1 Add users

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→User" to enter the user management interface, as shown in Figure 5-121 below.

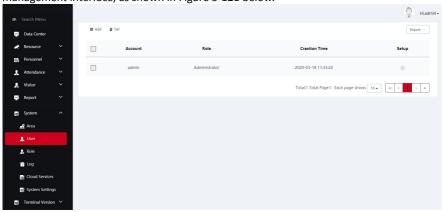


Figure 5-121

Step 2: Click " Add", enter account, password, confirm password, select authority authorization, as shown in Figure 5-122 below.

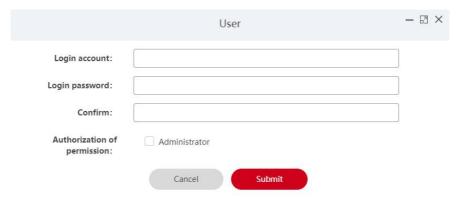


Figure 5-122

Step 3: Click "Submit" to complete user addition, as shown in Figure 5-123 below.

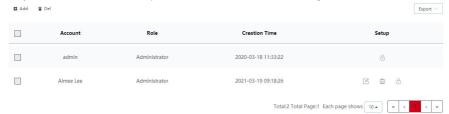


Figure 5-123



 The default permissions of the system are only for the administrator and the default user. If you need to modify it, you need to go to the role management interface to add roles as needed.

5.9.2.2 Edit User

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→User" to enter the user management interface, as shown in Figure 5-124 below.

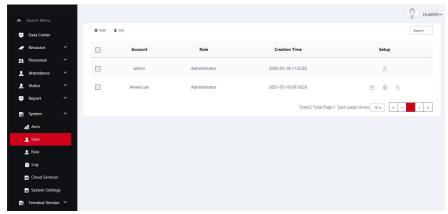


Figure 5-124

Step 2: Click " of the user you want to edit, enter account and permissions, click "Submit" to complete the user editing, as shown in Figure 5-125 below.

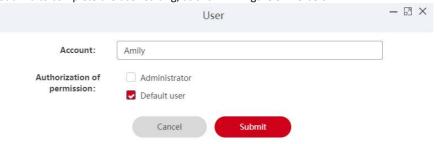


Figure 5-125

5.9.2.3 Delete User

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System \rightarrow User" to enter the user management interface.

Step 2: Click the account you want to delete " $\widehat{\mathbb{W}} \to \text{Confirm}$ " to complete the account deleting.



NOTE

The administrator account can only be edited and cannot be deleted.

5.9.3 Role

Role management configures user roles with different permissions according to actual needs, you can add, edit, and delete roles.

5.9.3.1 Add Role

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Role" to enter the role management interface, as shown in Figure 5-126 below.

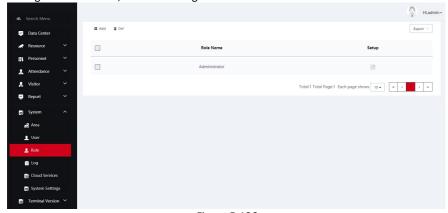


Figure 5-126

Step 2: Click " Add", enter role name and configure permissions, as shown in Figure 5-127 below.

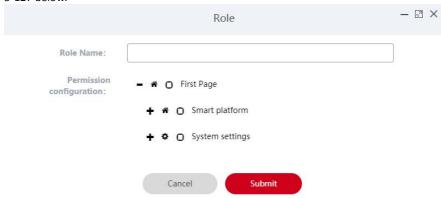


Figure 5-127

Step 3: Click "Submit" to complete the role addition, as shown in Figure 5-128 below.



Figure 5-128

5.9.3.2 Edit Role

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System- \rightarrow Role" to enter the user

management interface, as shown in Figure 5-129 below.

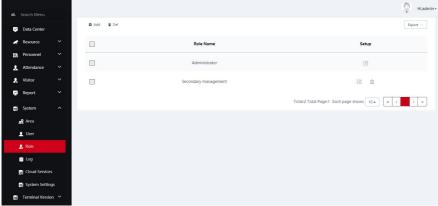
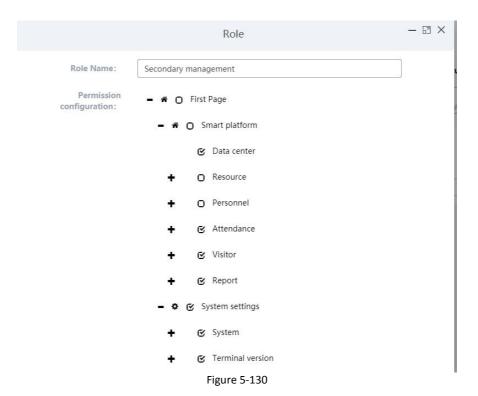


Figure 5-129

Step 2: Click "O" of the role you want to edit, modify role name and permission configuration, click "Submit" to complete the user editing, as shown in Figure 5-130 below.



5.9.3.3 Delete Role

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Role" to enter the user management interface.

Step 2: Click the role you want to delete " → Confirm" to complete role deletion.



NOTE

The administrator role can only be edited and cannot be deleted.

5.9.4 Log

Log management is used to query and export all platform logs.

5.9.4.1 Query log

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Log" to enter the log management interface, as shown in Figure 5-131 below.

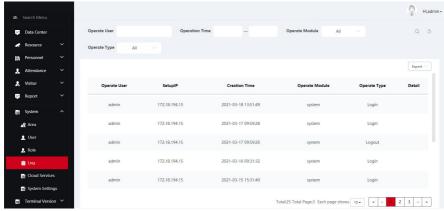


Figure 5-131

Step 2: View the logs.

Query log, at the top of the log management interface, enter a piece of information related to the query log(Such as Operate User, Operation Time, Operate Module, Operate

Type), click " and logs that match the search criteria are displayed in the log list.



Click "Export→Excel" to export the searched logs in file format.

5.9.5 Cloud Services

Cloud services are used to activate cloud services. After the cloud services of an enterprise are activated, devices can be managed remotely through the mobile terminal.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→Cloud Services" to enter the cloud service interface, as shown in Figure 5-132 below.

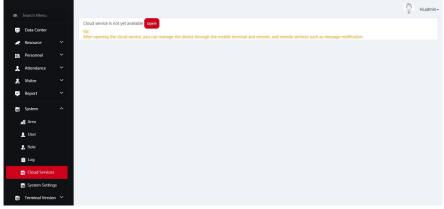


Figure 5-132

Step 2: Click "Open", enter enterprise code, as shown in Figure 5-133 below.

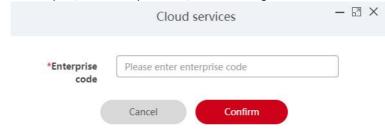


Figure 5-133

Step 3: Click "Confirm" to activate the cloud service.



 The enterprise code is provided by the supplier, the platform and the App use the same enterprise code, and the App can be used normally.

5.9.6 System Settings

The system setting is used to set the storage time of the captured pictures on the smart terminal platform.

The specific steps are as follows:

Step 1: In the smart device platform interface, click "System→System Settings" to enter the system setting interface, as shown in Figure 5-134 below.

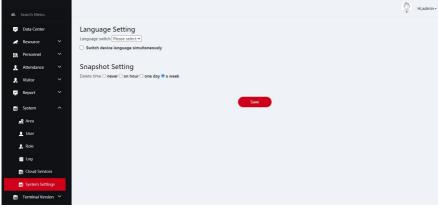


Figure 5-134

Step 2: Click "Please select", choose a language, and select the deletion time (never, one hour, one day, one week) according to your needs, as shown in Figure 5-135 below.



Figure 5-135

Step 3: Click "Save" to save setting, the system will automatically switches languages.



 When switching the system language, you can click "Switch device language simultaneously" to switch the device language synchronously.

5.10 Terminal version

5.10.1 Firmware

The firmware version is used for storage, delete the firmware version.

5.10.1.1 Storage firmware

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Terminal Version→Firmware" to enter the firmware version interface, as shown in Figure 5-136 below.

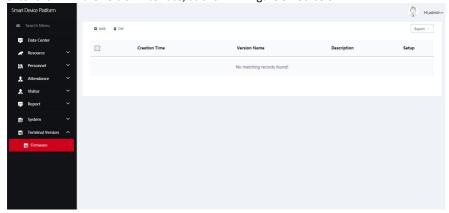


Figure 5-136

Step 2: Click " Add", enter the version name and version description, click "Select File" to select the firmware files, as shown in Figure 5-137 below.

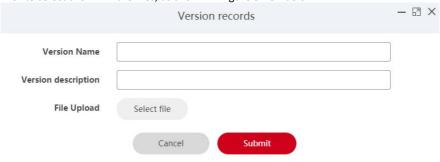


Figure 5-137

Step 3: Click "Submit", the firmware was successfully uploaded to the platform.



The version name and description of the firmware version can be modified through
the " button"

5.10.1.2 Delete firmware

The specific steps are as follows:

Step 1: In the smart device platform interface, click "Terminal Version→Firmware" to enter the firmware version interface.

Step 2: Click the firmware you want to delete" → Confirm" to complete the firmware deletion.

5.11 Platform Account

The platform account is used to modify the login password, log out of the platform and view the platform version.

5.11.1 Modify Password

The specific steps are as follows:

Step 1: In the smart device platform interface, click "→Modify Password", as shown in Figure 5-138 below.



Figure 5-138

Step 2: Enter new password and confirm password, click "Submit" to complete the modification of login password, as shown in Figure 5-139 below.



Figure 5-139

5.11.2 Exit the platform

The specific steps are as follows:



Step 1: In the smart device platform interface, click "5-140 below.

→Exit", as shown in Figure

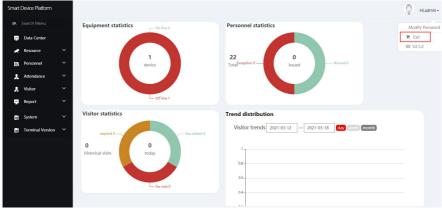


Figure 5-140

Step 2: The platform exits and returns to the login interface, as shown in Figure 5-140 below.

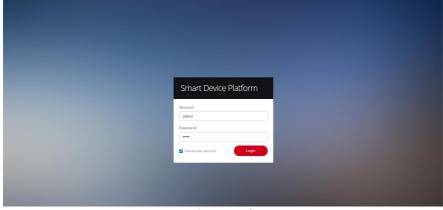
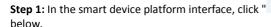


Figure 5-140

5.11.3 View version

The specific steps are as follows:





", as shown in Figure 5-141

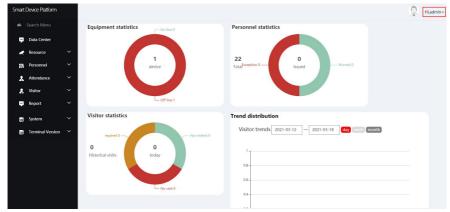


Figure 5-141

Step 2: Check the current version of the platform is "V2.4.1", as shown in Figure 5-142 below.



Figure 5-142

Chapter 6 WEB Operation(Type A, B, C, D, E)



NOTE

- Different types of devices have different interface displays. The following pictures are for reference only. Please refer to the actual ones.
- The device supports accessing and managing devices on the PC through the Web.
- The WEB page provides application modules such as real-time preview, playback, configuration, and logout.
- The device supports a variety of browser monitoring, such as IE browser, 360 browser, Firefox browser (52 or less version), Google Chrome (Chrome 45 or less version).
- Users can access the device's WEB control interface through multiple PCs at the same time.

6.1 Internet connection

Before using the browser to log in to the web interface, check whether the network between the PC and the device is normal.

Step 1: Confirm that the device is properly connected to the network.

Step s 2: Set the IP address, subnet mask, and gateway for the PC and devices, respectively.

- ✓ If there is no routing device on the network, allocate the IP address of the same network segment: If there is a routing device on the network, you need to set the corresponding gateway and subnet mask.
- ✓ The default IP address of the device is 192.168.1.88.

Step s 3: Check whether the network between the PC and the device is normal. The method is as follows: When the network between the PC and the device is normal, you can log in to the web interface of the device through the PC.

✓ On the PC, ping***.***.*** (device IP address) verifies that the network is connected and the returned TTL value is generally equal to 255.

6.2 Browser Login

To make sure device connects to Internet successfully, open Browser, input required IP address, the default setting is 192.168.1.88, and enter the login interface, as below Figure 6-1.



Figure 6-1

Select the system language in the upper right corner of the interface (currently supports English, Italian, Spanish, Russian, Arabic, Polish, Japanese, French, Turkish, the default is English), enter the user name and password, the default user name is "admin", the password is "12345", click "Login"Remote login.



- If you have modified the IP address of the device, please log in with the newly set IP address.
- The port number of some devices is 7080, and you must enter http://192.168.1.88:7080/ in the address bar.

6.3 Picture

In the picture interface, you can view and download all the pictures captured on the device side. The Step s are as follows:

Step 1: After logging in to the web page, click "Picture" to enter the picture interface, as shown in Figure 6-2 below.

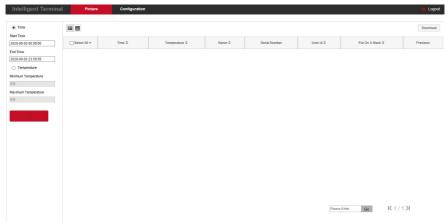


Figure 6-2

Step 2: Set search conditions (time, temperature).

Step 3: Click ", the searched image is displayed on the right side of the interface, as shown in Figure 6-3.



Please Either Go K 1 / 1 X

Figure 6-3

Step s 4: Select the picture, click "Download" to select the storage path, click "OK", select the image to download to the specified folder. Click on the " corresponding to the preview position to view the image.

> Start/End Time: The time range for capturing image files.

- Query: Click " ", the system will query the corresponding picture file according to the set channel, event type and time range, and display it in the file list.
- Details: The image searched by clicking " is displayed in the list as detailed information.
- **Big icon:** The image searched by clicking " is displayed in the list as a large icon.
- Download: Select the picture, click "Download", select the storage path, click "OK", select the picture to download to the specified folder.

6.4 Configuration

6.4.1 System

6.4.1.1 System Configuration

■ Version Info

After logging in to the web page, click "Configuration→System→System configuration→ Version Info" to enter the version Information interface, as shown in Figure 6-4 below. Here you can view the basic information of the current device.

Version Info	Date	Dst	Maintain	Display Configuration
Serial Number:	710	1553033514		
Model No.:	FK	3AYW		
Firmware Version:	FK	3AYWEN_MX80	6_V20.3.33.3	
Date:	Aug	12 2020 05:25:	28	
WEB Version:	20.	1.33.200812		

Figure 6-4

[Serial number] The serial number of the device.

[Model NO.] The model of the device.

[Firmware Version] The firmware version of the device.

[Date] The release date of the device version.

[WEB Version] The current web version.

Date

Step 1: After logging in to the web page, click "Configuration \rightarrow System \rightarrow System configuration \rightarrow Date" to enter the date setting interface, as shown in Figure 6-5 below.

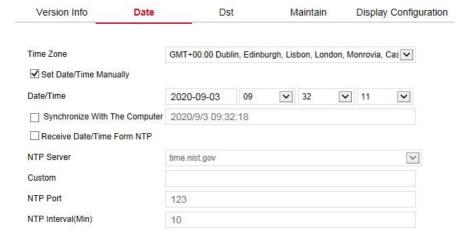


Figure 6-5

Step 2: Choose how to set the time.

There are ways to set the time "Time Zone", "Synchronize with the computer", "Receive date/time form NTP". When you choose "Receive date/time form NTP", you need to set the NTP server, port and update time.

Step 3: Click"Save" to complete setting.

Dst

Step 1: After logging in to the web page, click "Configuration→ System→ System configuration→ Dst" to enter the daylight saving time interface, as shown in Figure 6-6 below.



Figure 6-6

Step 2: To enable daylight saving time, select the type, set the time range, Offset.

Step 3: Click"Save" to complete the setting.

■ Maintain

After logging in to the web page, click "Configuration→System→ System configuration→ Maintain" to enter the maintain interface, as shown in Figure 6-7 below. Here you can reboot the device, restore the factory settings, and upgrade.

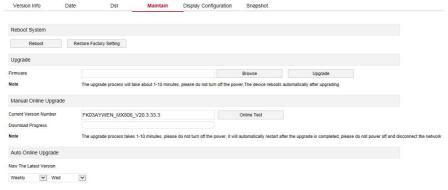


Figure 6-7

[Reboot System] Click "reboot→confirm", the device starts to reboot.

[Restore factory setting] after the device is restored to the factory settings, all parameter settings will be automatically restored to the default parameters (please operate this function carefully).

[Upgrade] Click "Browse" on the right of the upgrade file to select the upgrade file package, and click "Upgrade" to enter the device program upgrade. Do not cut off the power of the device during the upgrade process. Wait for the upgrade progress to complete (please proceed with caution, the wrong upgrade file will cause the device system to run abnormally).

[Manual Online Upgrade]

Step 1: Click "Online Test", when there is a new version, prompt whether to download, click "OK" to automatically download the new version to the default path.

Step 2: The system prompts if you are sure to upgrade the new version, click "Upgrade". The device starts to upgrade and prompts "Do not power off during device upgrade". After the upgrade is complete, the device will reboot and use the latest version of the program.

[Auto Online Upgrade]

Check "Automatic online upgrade", a certain day of the week (this time can be set as needed), the device automatically detects whether there is a new version online, when it displays "New version detected. Is it updated", click "Upgrade". The device starts to upgrade and prompts "Do not power off during device upgrade". After the upgrade is complete, the device will reboot and use the latest version of the program.



 When choosing to upgrade the device online, make sure that the device is properly connected to the network.

Display configuration

Step 1: After logging in to the web page, click "Configuration→ System→ System configuration→ Display Configuration" to enter the display configuration interface, as shown in Figure 6-8 below.



Figure 6-8

Step 2: Set the display parameters of the device on the local interface.

Here you can set the device interface, such as Show IP address, Show serial number, Display device name, language, device name, temperature scale.

Step 3: Click"Save" to complete the setting.

■ Snapshot

Step 1: After logging in to the web page, click "Configuration→ System→ System Configuration→ Snapshot" to enter the snapshot interface, as shown in Figure 6-9 below.

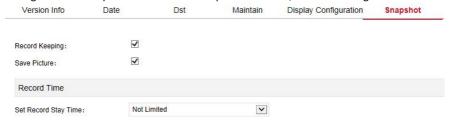


Figure 6-9

Step 2: Set the relevant parameters of the device to snapshot.

Here you can save records, save pictures, save time.

Step 3: Click"Save" to complete the setting.

6.4.1.2 Scheduled reboot

Scheduled reboot

Step 1: After logging in to the web page, click "Configuration→ System→ Scheduled Reboot→Scheduled Reboot" to enter the scheduled reboot interface, as shown in Figure 6-10 below.



Figure 6-10

Step 2: Set the time to restart the device.

Here you can set weekly, monthly restart or never restart.

Step 3: Click "Save" to complete the setting.

Standby settings

Step 1: After logging in to the web page, click "Configuration→System→Scheduled Reboot→Standby Setting" to enter the standby setting interface, as shown in Figure 6-11 below.



Figure 6-11

Step 2: Set the standby time.

Here you can set never, 5 minutes, 10 minutes and 30 minutes.

Step 3: Click "Save" to complete the setting.

6.4.1.3 Security

After logging in to the web page, click "Configuration→System→Security" to enter the standby setting interface. Here you can add, edit, delete users, or query the current user information. When the current user is the administrator "admin", the user can create other users according to actual needs, up to 10 users can be created. As shown in Figure 6-12 below

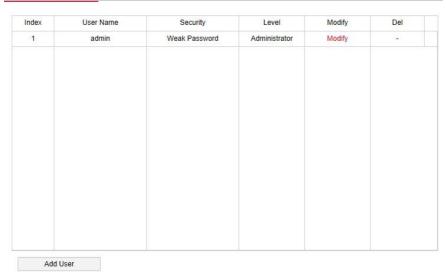


Figure 6-12

Add User

Step 1: Click "Add User" to enter the "User Edit" interface, as shown in Figure 6-13 below.



Figure 6-13

Step 2: Enter user name, password and confirm password, select user level.

Step 3: Click "Ok" to complete the user addition.



• In order to improve the security of the product's network use, please change your

- user name and password regularly. It is recommended to update and maintain every 3 months. If the device is used in a high security risk environment, it is recommended to update monthly or weekly.
- It is recommended that administrators effectively manage device accounts and user permissions, delete irrelevant users and permissions, and close unnecessary network ports.



NOTE

- The user name of the device is admin, and this user name cannot be modified or deleted.
- When setting the password of the device, the password length is 8-31 characters, and must contain numbers and letters.

The password strength rules are as follows:

- If the password contains three or more character types (numbers, lowercase letters, uppercase letters, special characters), it is a strong password.
- If the password is a combination of numbers and special characters, a combination of lowercase letters and special characters, a combination of uppercase letters and special characters, and a combination of lowercase letters and uppercase letters, it is considered a medium-strength password.
- If the password is a combination of numbers and lowercase letters, the combination of numbers and uppercase letters is a weak password.
- The length of the password is 8 characters. The password contains only one type of character. The password is the same as the user name or the password is the reverse of the user name. The above types of passwords are risk passwords. It is not recommended to set this way.

To better protect your privacy and improve product security, it is recommended that you change the risk password to a high-strength password.

■ Edit users (new users)

Step 1: Select the user to be modified in the user management list, click "Modify" to enter the modify user interface, as shown in Figure 6-14 below.



Figure 6-14

Step 2: Tick "Modify Password", enter the old password, new password and confirm password;

Step 3: Click "Ok" to complete the user editing.



The password setting rules are the same as those when adding users.

Delete User

Step 1: Select the user to be deleted in the user management list and click "Del";

Step 2: Click "Ok" to delete the user.

6.4.1.4 Volume

Step 1: After logging in to the web page, click "Configuration→System→Volume" to enter the volume setting interface, as shown in Figure 6-15 below.



Figure 6-15

Step 2: Use the mouse to drag the progress bar to adjust the volume.

Step 3: Click "Save" to complete the setting.

6.4.1.5 Light

Step 1: After logging in to the web page,click "Configuration→System→Light" to enter the light setting interface, as shown in Figure 6-16 below.

Light		
Screen Brightness Setting(45-100)		60
Turn on the fill light	✓	
F:	: C 1C	

Figure 6-16

Step 2: Use the mouse to drag the progress bar to adjust the screen brightness, turn on the fill light.

Step 3: Click "Save" to complete the setting.

6.4.1.6 Wiegand

Step 1: After logging in to the web page,click "Configuration→System→Wiegand" to enter the Wiegand setting interface, as shown in Figure 6-17 below.



Figure 6-17

Step 2: Set Wiegand direction in the drop-down box.

When the Wiegand interface (D0, D1, GND) of the device is connected to a third-party verification device (such as a card reader) that supports Wiegand protocol, select "Input".

Step 3: Click "Save" to complete the setting.

6.4.2 Local network

6.4.2.1 Basic configuration

■ TCP/IP

The network interface is used to modify the network parameters of the device.

The specific steps are as follows:

Step 1: After logging in to the web page, click "Configuration \rightarrow Network \rightarrow Basic Setup \rightarrow TCP/IP" to enter the TCP/IP interface, as shown in Figure 6-18 below.

TCP/IP		
Enable dhcp		
IP address	172.18.195.251	
Network mask	255.255.248.0	
Gateway	172.18.192.1	
Device mac	2C:6F:51:03:DC:03	
Primary dns	172.18.192.1	
Secondary dns	8.8.8.8	

Figure 6-18

Step 2: Modify network parameters (enable dhcp, IP address, Network mask, Gateway, Device mac, Primary dns, and Secondary dns).

Step 3: Click "Save" to complete the setting.

6.4.2.2 Advanced configuration

■ MQTT Configuration

MQTT(Message Queuing Telemetry Transport) protocol, that is, message queue telemetry transport protocol.

The specific steps are as follows:

Step 1: After logging in to the web page, click "Configuration→Network→Advance Setup→MQTT Configuration" to enter the MQTT protocol configuration interface, as shown in Figure 6-19 below.

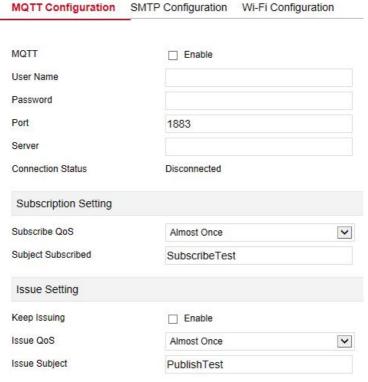


Figure 6-19

Step 2: Enable "MQTT", enter the user name, password, port and other parameters, enter the subscription setting and issue setting.

Step 3: Click "Save" to complete the setting.

■ SMTP Configuration

The specific steps are as follows:

Step 1: After logging in to the web page, click "Configuration→Network→Advance Setup→SMTP Configuration" to enter the SMTP setting interface, as shown in Figure 6-20 below.

☐ Enable E-mail Alarm Noti	fications	
SMTP Server	Custom	~
Custom SMTP Server	smtp.MailServer.com	
Sender's Address	User@domain.com	
Port	465	
Attach File		
Subject	FRD ALERT	
Encryption	SSL	•
User Name	User	
Password	••••••	
Recipient1	receiver1@domain.com	Test
Recipient2	receiver2@domain.com	
Recipient3	receiver3@domain.com	

Figure 6-20

Step 2: Enable email alarm notification and set email related information. Set the SMTP server, port, sender, recipient address, attach file and other information here.

Step 3: Click "Save" to complete the setting.

Sender

[SMTP Server] Enter the server address of the sender mailbox.

【Sender's Address】 Enter the complete address of the sender mailbox.

[Port] Enter the server port of the sender mailbox.

[User Name] Enter the user name of the sender mailbox.

[Password] Enter the password of the sender mailbox.

Recipient

【Recipient 1, 2, 3】 Fill in the complete address of the inbox, up to 3 inboxes are supported here. After completing, you can click "Test" to ensure the correctness of all input information and network connectivity of the device.

■ Wi-Fi Configuration

The specific steps are as follows:

Step 1: After logging in to the web page, click "Configuration→Network→Advance setup→Wi-Fi Configuration" to enter the Wi-Fi configuration interface, as shown in Figure 6-21 below.

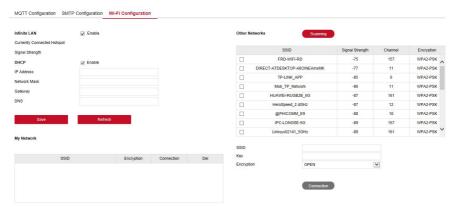


Figure 6-21

Step 2: Turn on the wireless network function and click "Save".

Step 3: The interface automatically searches for nearby Wi-Fi hotspots, selects the Wi-Fi hotspot, enters the corresponding password in the Key column, and clicks "Connection".



- Only device that support the Wi-Fi function have a Wi-Fi interface. Please refer to the specific function of the device.
- Up to 3 connected Wi-Fi accounts can be remembered in my network for users to switch Wi-Fi.

6.4.3 Face recognition

Step 1: After logging in to the web page, click "Configuration→Face recognition→Face recognition" to enter the face recognition interface, as shown in Figure 6-22 below.

Face Recognition

Stranger Passage	✓	
Detection Mask		
Relay Time:	1000	(Millisecond)
Relay Direction:	Normal	~
Living Body:	Close	~
Thermal Map:	Close	~
Verification Mode:	Face Verification	~

Figure 6-22

Step 2: Configure the relevant parameters for face recognition.

Here, you can enable the stranger passage, detection mask, living body, thermal map, set the relay time and relay direction.

Step 3: Click "Save" to complete the setting.

【Stranger Passage】Turn on/off the pass function for strangers (unregistered persons).

【 Detection Mask 】 Turn on/off the device to check the mask function.

【Relay Time】The duration of the relay on/off.

【 Relay Direction 】 When the external access control device is connected to the relay port NO and COM, the relay direction selects "Normal"; When the relay port NO and COM are connected to an alarm device, the relay direction selects "Reverse", and the relay will respond when an alarm event (stranger event, no mask event, abnormal temperature event) occurs.

【Living Body】Turn on/off the live detection function of the device. After being turned on, it can effectively resist common frauds such as photos, videos, face changes, masks, and occlusions.

【Thermal Map 】 Turn on/off the heat map displayed on the device screen.

【Verification Mode】Choose the verification method according to actual needs.

【Face Verification】 The device can pass the access control after it recognizes the registered person.

【Card Verification】Registered persons can pass the access control by swiping their cards, while unregistered persons can pass the access control by swiping their cards after the "Stranger Passage" function is turned on.

【Face and Card Verification】 The device performs face recognition first. After the device recognizes the face, it prompts "Please swipe your card", and then swipe your card to pass the access control.

6.4.4 Temperature

Step 1: After logging in to the web page, click "Configuration → Temperature → Temperature" to enter the temperature measurement configuration interface, as shown in Figure 6-23 below.

Temperature Temperature compensation: Compensation range -5.00~5.00 Temperature check Alarm temperature 37.3

Figure 6-23

Step 2: Configure the relevant parameters for temperature.

Here, you can enable temperature check, set temperature compensation and alarm temperature.

Step 3: Click "Save" to complete the setting.

6.4.5 Personnel Inquiry

Step 1: After logging in to the web page, click "Configuration→ Personnel inquiry → Personnel inquiry" to enter the personnel inquiry interface, as shown in Figure 6-24 below.

Personnel inquiry

Index	User id	Name	Effective start time	Effective end time
1	6	zhanglei10495	Not limited	Not limited
2	7	zhanglei12001	Not limited	Not limited
3	8	zhanglei12002	Not limited	Not limited
4	9	zhanglei12003	Not limited	Not limited
5	10	zhanglei12004	Not limited	Not limited
6	11	zhanglei12005	Not limited	Not limited
7	12	zhanglei12006	Not limited	Not limited
8	13	zhanglei12007	Not limited	Not limited
9	14	zhanglei12008	Not limited	Not limited
10	15	zhanglei12009	Not limited	Not limited
11	16	zhanglei12010	Not limited	Not limited
12	17	zhanglei12011	Not limited	Not limited
13	18	zhanglei12012	Not limited	Not limited
14	19	zhanglei12013	Not limited	Not limited
15	20	zhanglei12014	Not limited	Not limited
16	21	zhanglei12015	Not limited	Not limited
17	22	zhanglei12016	Not limited	Not limited
18	23	zhanglei12017	Not limited	Not limited
19	24	zhanglei12018	Not limited	Not limited
20	25	zhanglei12019	Not limited	Not limited
21	26	zhanglei12020	Not limited	Not limited
22	27	zhanglei12021	Not limited	Not limited
23	28	zhanglei12022	Not limited	Not limited

Go K 1 / 15 X

Figure 6-24

Step 2: View information about storage personnel in the device.

Step 3: Enter the page number at the jump position, click "Go", the interface jumps to the specified interface.

Chapter 7 WEB Operation (Type F & G & H & I)



NOTE

- Different types of devices have different interface displays. The following pictures are for reference only. Please refer to the actual ones.
- The device supports accessing and managing devices on the PC through the Web.
- The WEB page provides application modules such as real-time preview, playback, configuration, and logout.
- The device supports a variety of browser monitoring, such as IE browser, 360 browser, Firefox browser (52 or less version), Google Chrome (Chrome 45 or less version).
- Users can access the device's WEB control interface through multiple PCs at the same time.
- This chapter applies to face recognition terminal F & G & I devices. Type G&I equipment does not have a temperature measurement module, so Type G&I equipment does not have a temperature-related interface. Model H&I devices do not have WiFi, 4G, SD card recording, ID card recognition functions, so there is no corresponding interface. Please refer to the actual situation for details.

7.1 Internet connection

Before using the browser to log in to the web interface, check whether the network between the PC and the device is normal.

Step 1: Confirm that the device is properly connected to the network.

Step 2: Set the IP address, subnet mask, and gateway for the PC and NVR devices, respectively.

- ✓ If there is no routing device on the network, allocate the IP address of the same network segment: If there is a routing device on the network, you need to set the corresponding gateway and subnet mask.
- ✓ The default IP address of the NVR device is 192.168.1.88.

Step 3: Check whether the network between the PC and the device is normal. The method is as follows: When the network between the PC and the device is normal, you can log in to the web interface of the device through the PC.

✓ On the PC, ping***.***.*** (device IP address) verifies that the network is connected and the returned TTL value is generally equal to 255.

7.2 Browser Login

To make sure device connects to Internet successfully, open Browser, input required IP address, the default setting is 192.168.1.88, and enter the login interface, as below Figure 7-1.

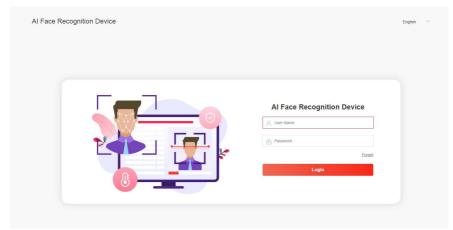


Figure 7-1

Select the system language in the upper right corner of the interface, enter the user name and password, the default user name is "admin", the password is "12345", click "Login"Remote login.



 If you have modified the IP address of the device, please log in with the newly set IP address.

7.3 My Device

After logging in to the web page, it will automatically enter the "My Device" interface, where you can view the device's real-time video, face gallery, pass, abnormal temperature data, version information, and operating status, as shown in Figure 7-2 below.

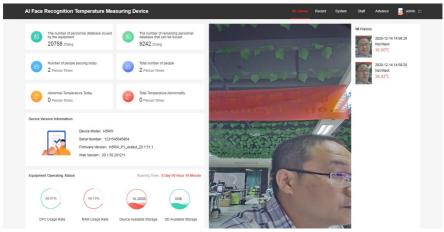


Figure 7-2

[Device Model] Device model.

[Serial Number] The serial number for the device.

[Firmware Version] The version information for the device software program.

[Web Version] Current web page version.

7.4 Record

Local records are used to view and download access records and temperature measurement records.

7.4.1 Pass Record

The specific steps are as follows:

- **Step 1:** After logging in to the web page, click "Record \rightarrow Pass Record" to enter the pass record interface.
- **Step 2:** Set the search criteria (search time range, name).
- **Step 3:** Click "Query", the searched pictures are displayed in the list in the form of detailed information, as shown in Figure 7-3 below.

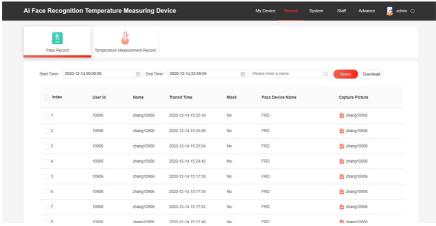


Figure 7-3



 After searching the pass records, please select the record you want to download and click "Download". Then select the download path and click "Download" to complete the download.

7.4.2 Temperature Measurement Record

The specific steps are as follows:

Step 1:After logging in to the web page, click "Record \rightarrow Temperature Measurement Record" to enter the temperature measurement record interface.

Step 2:Set the search criteria (search time range, name).

Step 3:Click "Query", the searched pictures are displayed in the list in the form of detailed information, as shown in Figure 7-4 below.

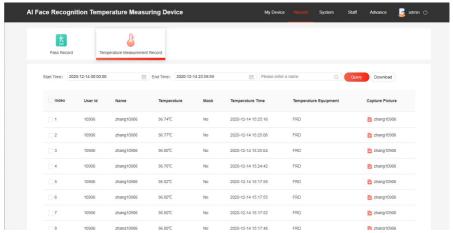


Figure 7-4



NOTE

 After searching the temperature measurement record, please select the record to be downloaded and click "Download". Select the download path and click "Download" to complete the download.

7.5 System Configuration

System consists of system, network configuration, user rights, and equipment maintenance, and is mainly used to configure the basic functions of the device.

7.5.1 System

The system consists of date, daylight saving time, image configuration, display configuration, sound configuration, fill light configuration and maintenance.

■ Date

The specific steps are as follows:

Step 1: After logging in to the web page, click "System \rightarrow System \rightarrow Date" to enter the date setting interface, as shown in Figure 7-5 below.

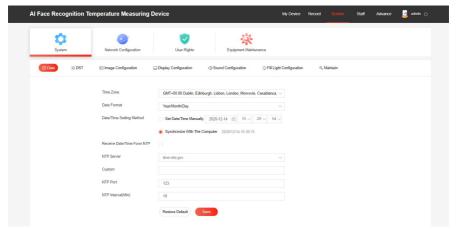


Figure 7-5

Step 2: Choose how to set the time.

There are ways to set the time "Time Zone", "Synchronize with the computer", "Receive date/time form NTP". When you choose "Receive date/time form NTP", you need to set the NTP server, port and update time.

Step 3: Click "Save" to complete setting.

DST

Step 1: After logging in to the web page, click "System \rightarrow System \rightarrow Dst" to enter the daylight saving time interface, as shown in Figure 7-6 below.

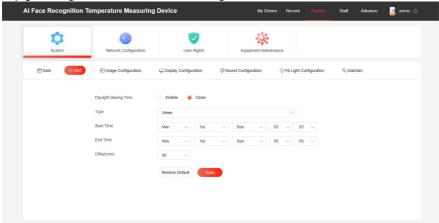


Figure 7-6

Step 2: To enable daylight saving time, select the type, set the time range, Offset.

Step 3: Click"Save" to complete the setting.

■ Image Configuration

Step 1:After logging in to the web page, click "System \rightarrow System \rightarrow Image Configuration" to enter the image configuration interface, as shown in Figure 7-7 below.

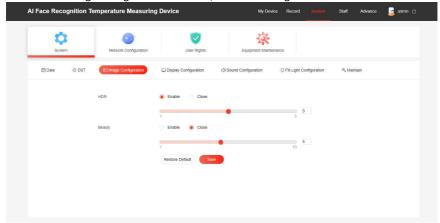


Figure 7-7

- **Step 2:** Enable HDR, Beauty, and set related values.
- **Step 3:** Click"Save" to complete the setting.

Display Configuration

Step 1: After logging in to the web page, click "System \rightarrow System \rightarrow Display Configuration" to enter the display configuration interface, as shown in Figure 7-8 below.



Figure 7-8

Step 2: Set the display parameters of the device on the local interface.

Here you can set the device interface, such as Show IP Address, Show Serial Number, Display Device Name, Language, Device Name, Screen Brightness Setting.

Step 3: Click"Save" to complete the setting.

Sound Configuration

Step 1: After logging in to the web page, click "System→System→Sound Configuration" to enter the sound configuration interface, as shown in Figure 7-9 below.

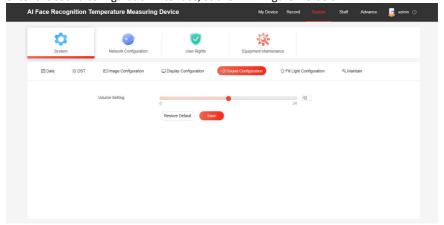


Figure 7-9

- **Step 2:** Use the mouse to drag the progress bar to adjust the volume.
- **Step 3:** Click"Save" to complete the setting.

■ Fill Light Configuration

Step 1: After logging in to the web page, click "System \rightarrow System \rightarrow Fill Light Configuration" to enter the light setting interface, as shown in Figure 7-10 below.



Figure 7-10

- **Step 2:** Turn on the fill light, and use the mouse to drag the progress bar to adjust the screen brightness, .
- Step 3: Click"Save" to complete the setting.

Maintain

Step 1:After logging in to the web page, click "System \rightarrow System \rightarrow Maintain" to enter the maintain interface, as shown in Figure 7-11 below. Here you can reboot the device,

restore the factory settings, and upgrade.

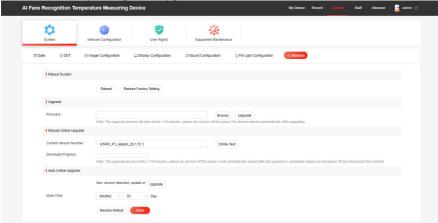


Figure 7-11

[Reboot System] Click "reboot→confirm", the device starts to reboot.

[Restore factory setting] after the device is restored to the factory settings, all parameter settings will be automatically restored to the default parameters (please operate this function carefully).

[Upgrade] Click "Browse" on the right of the upgrade file to select the upgrade file package, and click "Upgrade" to enter the device program upgrade. Do not cut off the power of the device during the upgrade process. Wait for the upgrade progress to complete (please proceed with caution, the wrong upgrade file will cause the device system to run abnormally).

[Manual Online Upgrade]

Step 1: Click "Online Test", when there is a new version, prompt whether to download, click "OK" to automatically download the new version to the default path.

Step 2: The system prompts if you are sure to upgrade the new version, click "Upgrade". The device starts to upgrade and prompts "Do not power off during device upgrade". After the upgrade is complete, the device will reboot and use the latest version of the program.

[Auto Online Upgrade]

Check "Automatic online upgrade", a certain day of the week (this time can be set as needed), the device automatically detects whether there is a new version online, when it displays "New version detected. Is it updated", click "Upgrade". The device starts to upgrade and prompts "Do not power off during device upgrade". After the upgrade is complete, the device will reboot and use the latest version of the program.



 When choosing to upgrade the device online, make sure that the device is properly connected to the network.

7.5.2 Network Configuration

The network configuration consists of TCP/IP, WIFI, 4G, MQTT and SMTP.

■ TCP/IP

The network interface is used to modify the network parameters of the device.

The specific steps are as follows:

Step 1: After logging in to the web page, click "System \rightarrow Network Configuration \rightarrow TCP/IP" to enter the TCP/IP interface, as shown in Figure 7-12 below.

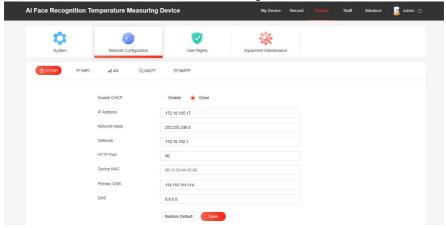


Figure 7-12

Step 2: Modify network parameters (enable dhcp, IP address, Network mask, Gateway, Device mac, Primary dns, and Secondary dns).

Step 3: Click "Save" to complete the setting.

■ WIFI

The WIFI interface is used to configure the device to connect to the LAN WIFI.

The specific steps are as follows:

Step 1: After logging in to the web page, click "System → Network Configuration → Wi-Fi Configuration" to enter the Wi-Fi configuration interface, as shown in Figure 7-13 below.

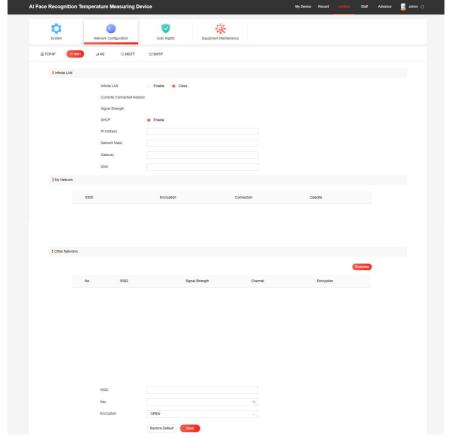


Figure 7-13

- Step 2: Click "Enable" to enable wireless LAN, click "save".
- Step 3: Click the "Scanning" button to search for connectable WIFI hotspots in the LAN.
- **Step 4:** Select the WIFI to be connected, enter the corresponding WIFI password in the key field, and select the encryption method.
- Step 5:Click "Enable" to enable DHCP, and click "Save".

[My Network] WIFI IPC can connect the device or delete the WIFI account through wireless WIFI management by remembering the account that has been connected to the WIFI.



When the device is connected to WIFI, you can also choose not to turn on DHCP,

manually input and select the preferred DNS server, IP address, default gateway of the same WIFI network segment, and set the relevant information of the camera WIFI network.Up to 3 connected Wi-Fi accounts can be remembered in my network for users to switch Wi-Fi.

■ 4G

The 4G interface is used to configure the hotspot of the device's wireless network for users to connect.

Prerequisites:

Before using the 4G function of the device, you must ensure that the device has a 4G SIM card installed and that the card can access the Internet normally.

The steps to connect the device to 4G are as follows:

Step 1:After logging in to the web page, click "System \rightarrow Network Configuration \rightarrow 4G" to enter the 4G configuration interface, as shown in Figure 7-14.

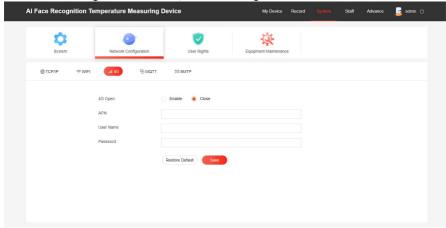


Figure 7-14

Step 2: Click "Enable" to enable 4G, enter APN, username and password

Step 3: Click "Save" to complete the setting.

MQTT

MQTT(Message Queuing Telemetry Transport) protocol, that is, message queue telemetry transport protocol.

The specific steps are as follows:

Step 1: After logging in to the web page, click "System → Network Configuration → MQTT Configuration" to enter the MQTT protocol configuration interface, as shown in Figure 7-15 below.

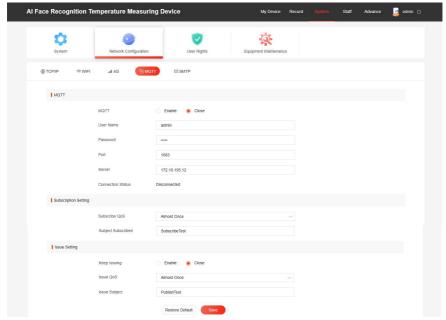


Figure 7-15

Step 2: Enable "MQTT", enter the user name, password, port and other parameters, enter the subscription setting and issue setting.

Step 3: Click "Save" to complete the setting.

■ SMTP

The specific steps are as follows:

Step 1: After logging in to the web page, click "Configuration \rightarrow Network \rightarrow Advance Setup \rightarrow SMTP Configuration" to enter the SMTP setting interface, as shown in Figure 7-16 below.

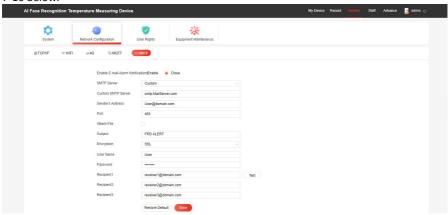


Figure 7-16

Step 2: Enable email alarm notification and set email related information.

Set the SMTP server, port, sender, recipient address, attach file and other information here

Step 3: Click "Save" to complete the setting.

Sender

[SMTP Server] Enter the server address of the sender mailbox.

[Sender's Address] Enter the complete address of the sender mailbox.

[Port] Enter the server port of the sender mailbox.

[User Name] Enter the user name of the sender mailbox.

[Password] Enter the password of the sender mailbox.

Recipient

[Recipient 1, 2, 3] Fill in the complete address of the inbox, up to 3 inboxes are supported here. After completing, you can click "Test" to ensure the correctness of all input information and network connectivity of the device.

7.5.3 User Rights

User permissions are used to manage (add, modify, delete) device users. When the current user is the administrator "admin", the user can create other users according to actual needs, up to 10 users can be created.

Add User

The specific steps are as follows:

Step 1: After logging in to the web page, click "System → User Rights" to user management interface, as shown in Figure 7-17 below.

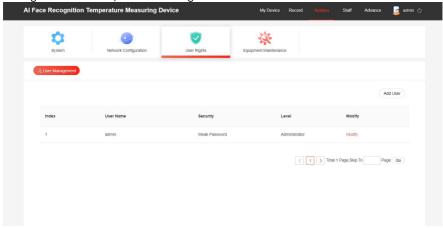


Figure 7-17

Step 2: Click "Add User" to enter the "Add User" interface, as shown in Figure 7-18 below.

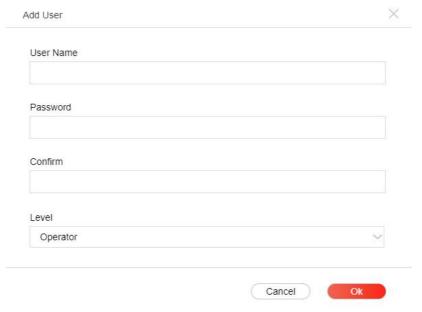


Figure 7-18

Step 3: Enter user name, password and confirm password, select user level.

Step 4: Click "Ok" to complete the user addition.



Warning

- In order to improve the security of the product's network use, please change your
 user name and password regularly. It is recommended to update and maintain every
 3 months. If the device is used in a high security risk environment, it is
 recommended to update monthly or weekly.
- It is recommended that administrators effectively manage device accounts and user permissions, delete irrelevant users and permissions, and close unnecessary network ports.



NOTE

- The user name of the device is admin, and this user name cannot be modified or deleted.
- When setting the password of the device, the password length is 8-31 characters, and must contain numbers and letters.

The password strength rules are as follows:

- If the password contains three or more character types (numbers, lowercase letters, uppercase letters, special characters), it is a strong password.
- If the password is a combination of numbers and special characters, a combination of lowercase letters and special characters, a combination of uppercase letters and special characters, and a combination of lowercase letters and uppercase letters, it is considered a medium-strength password.
- If the password is a combination of numbers and lowercase letters, the combination of numbers and uppercase letters is a weak password.
- The length of the password is 8 characters. The password contains only one type of character. The password is the same as the user name or the password is the reverse of the user name. The above types of passwords are risk passwords. It is not recommended to set this way.

To better protect your privacy and improve product security, it is recommended that you change the risk password to a high-strength password.

■ Edit users (new users)

Step 1: Select the user to be modified in the user management list, click "Modify" to enter the modify user interface, as shown in Figure 7-19 below.

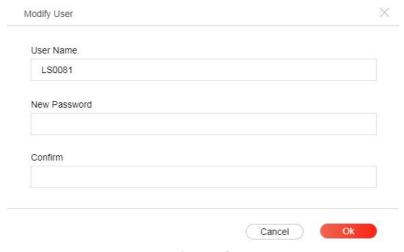


Figure 7-19

Step 2: Tick "Modify Password", enter the new password and confirm password; **Step 3:** Click "Ok" to complete the user editing.



• The password setting rules are the same as those when adding users.

Delete User

Step 1: Select the user to be deleted in the user management list and click "Del";

Step 2: Click "Ok" to delete the user.

7.5.4 Equipment Maintenance

Equipment maintenance consists of scheduled restart and standby settings.

■ Scheduled Reboot

The specific steps are as follows:

Step 1: After logging in to the web page, click "System \rightarrow Equipment Maintenance \rightarrow Scheduled Reboot" to scheduled reboot interface, as shown in Figure 7-20 below.

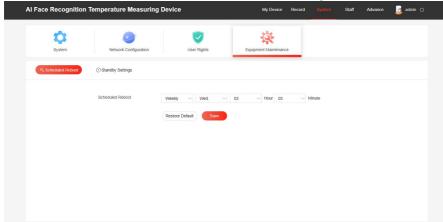


Figure 7-20

Step 2: Set the time to restart the device.

Here you can set daily, weekly, monthly restart or never restart.

Step 3: Click "Save" to complete the setting.

Standby settings

The specific steps are as follows:

Step 1: After logging in to the web page, click "System \rightarrow Equipment Maintenance \rightarrow Standby Settings" to enter the standby setting interface, as shown in Figure 7-21 below.

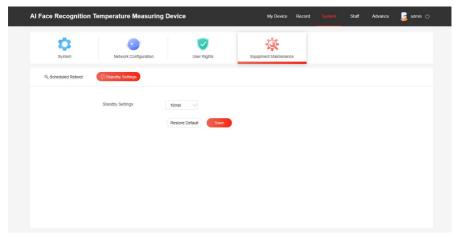


Figure 7-21

Step 2: Set the standby time.

Here you can set never, 5 minutes, 10 minutes and 30 minutes.

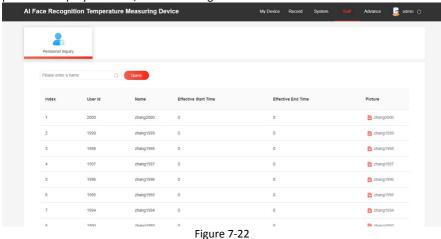
Step 3: Click "Save" to complete the setting.

7.6 Staff

7.6.1 Personnel Inquiry

The specific steps are as follows:

Step 1: After logging in to the web page, click "Staff \rightarrow Personnel Inquiry" to enter the personnel inquiry interface, as shown in Figure 7-22 below.



Step 2: Enter the name of the person to be queried in the input box at the upper right corner of the interface.

Step 3:Click "Query", and the interface displays the information of the searched person (user ID, name, effective start time, effective end time, picture).



 Enter the personnel query interface, the system will automatically search and display all personnel information of the equipment.



Click" "to view personnel photos.

7.7 Advance

The advanced configuration consists of verification mode, face recognition, temperature measurement configuration and interface configuration.

7.7.1 Verification Mode

The specific steps are as follows:

Step 1: After logging in to the web page, click "Advance \rightarrow Verification Mode" to enter the verification mode interface, as shown in Figure 7-23 below.

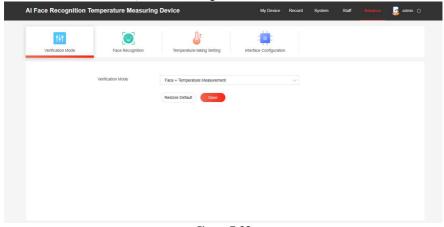


Figure 7-23

Step 2: Select the verification mode from the drop-down box.

Step 3: Click "Save" to complete the setting.

[Verification Mode] Choose the verification method according to actual needs.

[Face Verification] The device can pass the access control after it recognizes the registered person.

[Swipe] Registered persons can pass the access control by swiping their cards.

[Face + Temperature Measurement] The device will first recognize the face, and after successfully recognizing the face, it will prompt "Please take temperature". When the temperature of the person is displayed as normal, the access control can be passed.

[Face + Swipe] The device will first recognize the face, and after successfully recognizing the face, it will prompt "Please swipe the card". If the card owner is the same as the detected person, the access control can be passed.

[Face + Temperature Measurement+Swipe] The device will first recognize the face, and after successfully recognizing the face, it will prompt "Please take temperature". When the temperature of the person is displayed as normal, it will prompt "Please swipe the card". If the card owner is the same as the detected person, the access control can be passed.

[Face + ID Card]The device will first recognize the face, and after successfully recognizing the face, it will prompt "ID Card". If the ID card owner is the same as the detected person, the access control can be passed.

[Face + ID Card + Temperature Measurement]. After the device recognizes the face, it prompts for temperature measurement, and then prompts to swipe the ID card; if the body temperature is normal and the person is judged to be consistent with the ID card, the access control can be passed.

7.7.2 Face Recognition

The specific steps are as follows:

Step 1: After logging in to the web page, click "Advance → Face Recognition" to enter the face recognition interface, as shown in Figure 7-24 below.

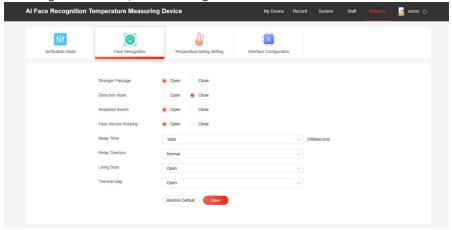


Figure 7-24

Step 2: Set face recognition parameters as needed (stranger passage, detection mask, snapshot switch, pass record keeping, relay time, relay direction, live body and thermal map)

Step 3: Click "Save" to complete the setting.

[Stranger Passage] Turn on/off the pass function for strangers (unregistered persons). [Detection Mask] Turn on/off the device to check the mask function.

[Snapshot Switch] After enabling, the device starts to capture faces and save the pictures. [Relay Time] The duration of the relay on/off.

[Relay Direction] When the external access control device is connected to the relay port NO and COM, the relay direction selects "Normal"; When the relay port NO and COM are connected to an alarm device, the relay direction selects "Reverse", and the relay will respond when an alarm event (stranger event, no mask event, abnormal temperature event) occurs.

[Living Body] Turn on/off the live detection function of the device. After being turned on, it can effectively resist common frauds such as photos, videos, face changes, masks, and occlusions.

[Thermal Map] Turn on/off the heat map displayed on the device screen.

7.7.3 Temperature-taking Setting

The temperature measurement configuration interface is used to set temperature parameters and upgrade the temperature measurement module.

The specific steps for setting temperature measurement parameters are as follows:

Step 1: After logging in to the web page, click "Advance \rightarrow Temperature-taking Setting" to enter the Temperature-taking Setting interface, as shown in Figure 7-25 below.

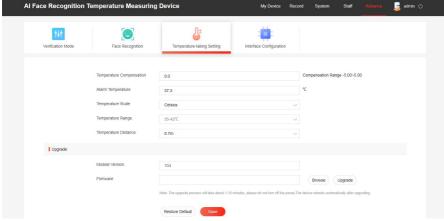


Figure 7-25

Step 2:Set temperature parameters (temperature compensation, alarm temperature, temperature scale) as required.

Step 3: Click "Save" to complete the setting.

The steps to upgrade the temperature measurement module are as follows

Step 1: After logging in to the web page, click "Advance → Temperature-taking Setting" to enter the Temperature-taking Setting interface.

Step 2: Click "Browse" and select the temperature measurement module upgrade file (eg: LS HTP V20.1.XX.X.bin).

Step 3: Click "Upgrade" and wait for the temperature measurement module to be upgraded.



 The upgrade process takes 1-10 minutes, please do not turn off the power, it will automatically restart after the upgrade is completed.

7.7.4 Interface Configuration

The interface configuration consists of disk management, Wiegand and alarm output.

■ HDD

The specific steps are as follows:

Step 1: After logging in to the web page, click "Advance \rightarrow Interface Configuration \rightarrow HDD" to enter the HDD Setting interface, as shown in Figure 7-26 below.

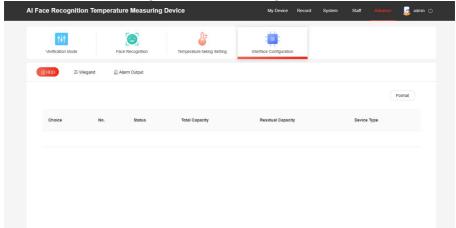


Figure 7-26

Step 2: Here you can view the memory card information (serial number, status, total capacity, remaining capacity, device type). You can also select the memory card, click "Format→Ok" to format the memory card.

■ Wiegand

The specific steps are as follows:

Step 1: After logging in to the web page, click "Advance \rightarrow Interface Configuration \rightarrow Wiegand" to enter the Wiegand Setting interface, as shown in Figure 7-27 below.

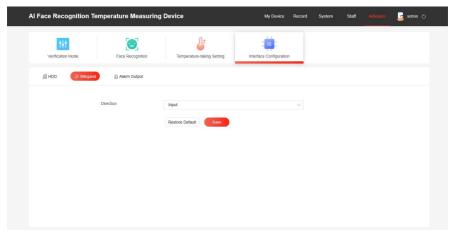


Figure 7-27

Step 2: Set Wiegand direction in the drop-down box.

When the Wiegand interface (D0, D1, GND) of the device is connected to a third-party verification device (such as a card reader) that supports Wiegand protocol, select "Input". **Step 3:** Click "Save" to complete the setting.

■ Alarm Output

The specific steps are as follows:

Step 1: After logging in to the web page, click "Advance \rightarrow Interface Configuration \rightarrow Alarm Output" to enter the alarm output setting interface, as shown in Figure 7-28 below.

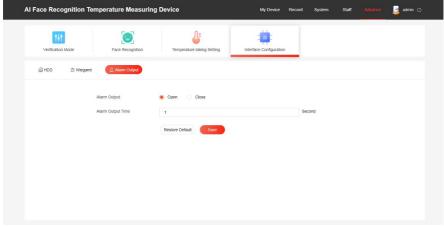


Figure 7-28

Step 2: Click "Enable" to enable the alarm output, and select the alarm output time in the drop-down box.

Step 3: Click "Save" to complete the setting.

7.8 Logout

The specific steps are as follows:

Step 1: After logging in to the web page, click", in the upper right corner to enter the logout interface, as shown in Figure 7-29.

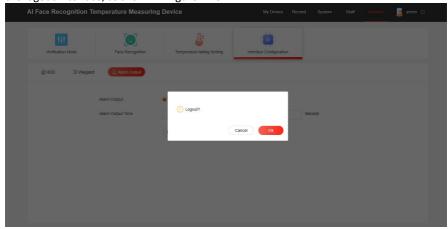


Figure 7-29

Step 2: Click "OK" to jump to the login interface.

Chapter 8 Appendix

8.1 Common problem introduction

1. How many conditions may cause the device to fail to operate normally after booting? Answer: Check whether the input power is correct; check whether the switch power cord is in normal contact.

2.What effect may the heat dissipation of the device have on itself?

Answer: The operation of the device will generate a certain amount of heat. Please place the device in a safe and well-ventilated place to prevent the device from affecting the stability and service life of the system due to long-term high temperature.

3. What should I do if the platform cannot find the device?

Answer:

- 1) Make sure the power is connected.
- 2) Make sure that the device network is smooth and connected normally.
- 3) Make sure that the computer where the device is installed is a windows system, and the computer and the device are on the same LAN.
- 4) Make sure that the device is fully started, and automatically enter the face recognition interface.
- 5) Make sure that the current network environment is stable.
- 4. What to do if the network connection is unstable?

Answer:

- 1) Check if the network is unstable.
- 2) Check if the IP address conflicts.
- 3) Check if the MAC address conflicts.
- 4) Check whether the computer or device network card is abnormal.
- 5. What should I do when SDP2000 is abnormal (such as abnormal reading or abnormal data interface)?

Answer: Right-click on the "cicon in the lower right corner of the desktop, check whether the status of Nginx, Mysqld and SDP2000 is green (normal status), if any item shows a gray status, please restart the Software, make it green, as shown in Figure 4-1 below.

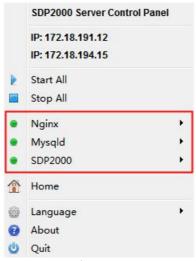


Figure 7-1

6. Abnormal temperature always showing 35.8°.

Answer:

- 1) If version is below V20.1.12.2 please contact technical to upgrade the device.
- 2) If confirm the firmware version is the latest one, need to disconnect the power and power on again for 5 mins then device can be used normally.
- 7. The image delivery fails which may cause the device not working properly, you need to restart the device.

Answer:

- 1) If the version is lower than V20.1.12.2, please contact our technicians to upgrade the device program.
- 2) We need to use pre-processed software tools to process the pictures before importing them to the device. The picture pre-processed software tools can be obtained by contacting the relevant sales or technical person.
- 3) Enter the computer control panel and turn off the computer's network firewall.
- 8. The web client clicks the device configuration and fails to get the data. Answer:
- 1) Removed the network cable from the device, delete the device on the smart terminal platform, and then press the hard reset button to restore the factory. Then you can search and add the device again on the smart terminal platform.
- 2) If the data acquisition failure still occurs after trying the operation of step 1), after deleting the device on the smart terminal platform, install the smart terminal platform again and search and add the temperature measuring device again.
- 9. There is no sound from the device.

Answer:

- 1) Go to the computer site of intelligent management terminal, enter the setting interface: Device Management-Configuration-Remote -Configuration, and check if the volume is set to a low value. It is recommended to set it to 75 (factory default).
- 2) If you confirm that the parameter has a setting of 75, also tried to press the hard-reset button on the device's waterproof cables to restore the device,
- 3) But if there is still no sound, then the device has speaker failure, and needs to be send to us for RMA.