Wisdom Building
(Face Access Control Time Attendance)

User Manual

Version 2.0

# Content

1.Matters needing attention

- After decompressing the background compressed package, it must be stored in the root directory of the drive Dish of the computer, and the directory must not have Chinese.

- The computer needs to has a 64-bit system.

- The computer cannot open the firewall or anti-virus software (the firewall that comes with the system must also be disabled).

- The device and server must be on the same LNA.

- The current background is only compatible with Google Chrome.

- Databases such as mysql cannot be installed on the computer.

- If a port conflict is prompted during the installation process, you can change another port by yourself.

- The background is set to auto-start by default, and it will automatically start every time the computer is turned on.

- If the IP of the computer in the background changes, you need to run "switchip.bat" to modify the background IP.
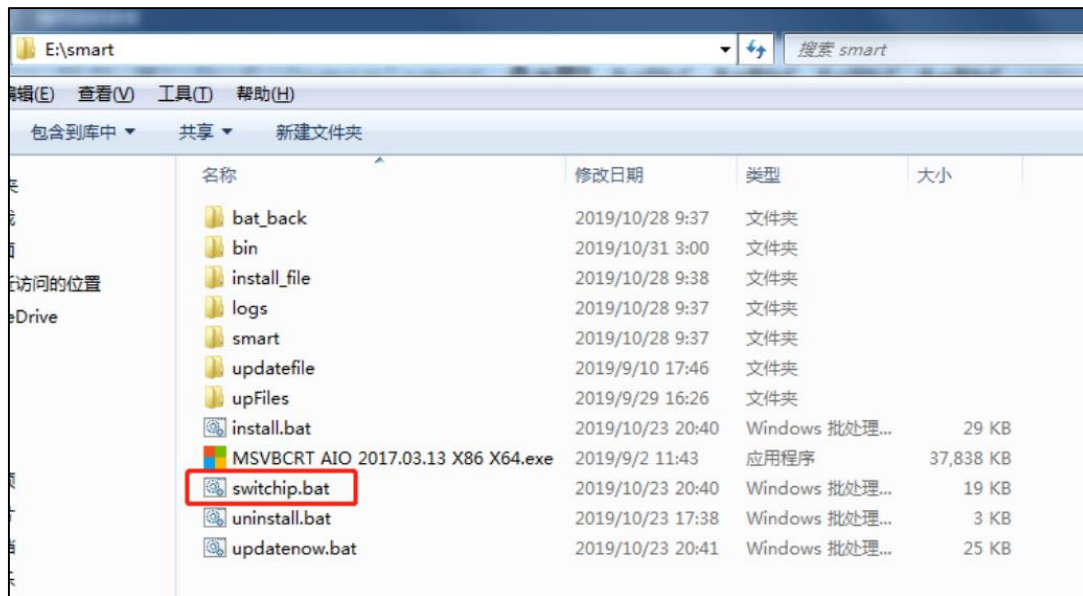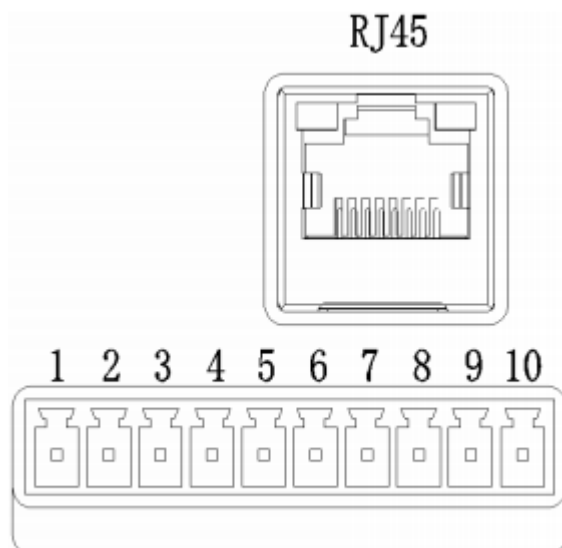
2. Access control related diagram

2.1 Product Wireframe
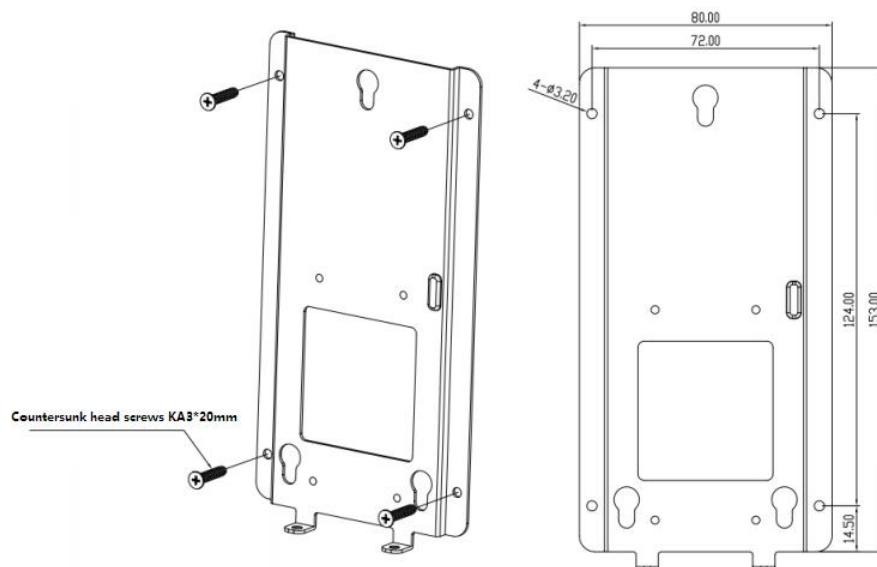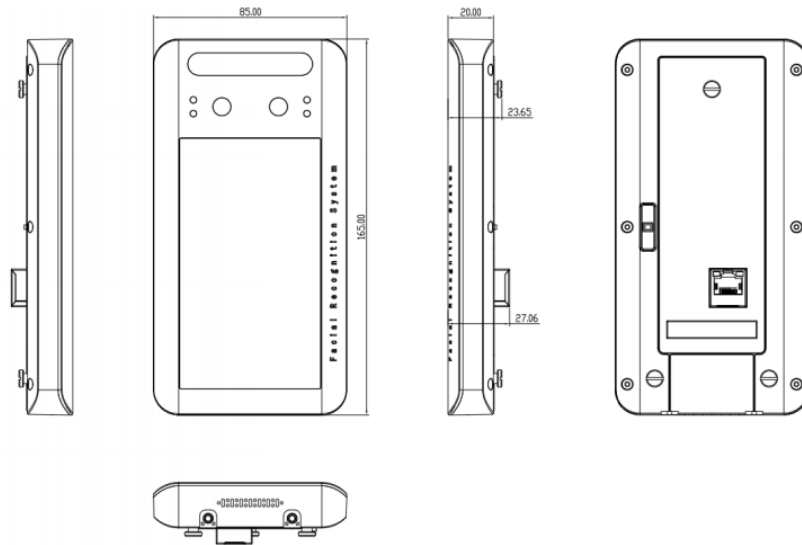
- Installation height: the horizontal line where the camera is located, 1.5m above the ground.

- Wall punching size: 86 boxes, can be properly leaded (reserve the size of two network cables).

- Installation: wall-mounted.

2.2 Hardware interface description

10 PIN Plug connector			
PIN NO.	Definition	Description	Mark
1	NC	Relay closed end	
2	SS	Relay common end	
3	NO	Relay open end	
4	GND	Power Ground	
5	12VIN	12V input	Adapter or other external power input
6	WG_D1	Wigan Data1	
7	WG_D0	Wigan Data0	
8	XF	Firefighting	When floating or high level input, the main control receives low level; when connected to GND input, the main control receives high level
9	GT	Door sensor	
10	GND	Power Ground	

2.3 Access control wiring diagram


Normally open, press close switch
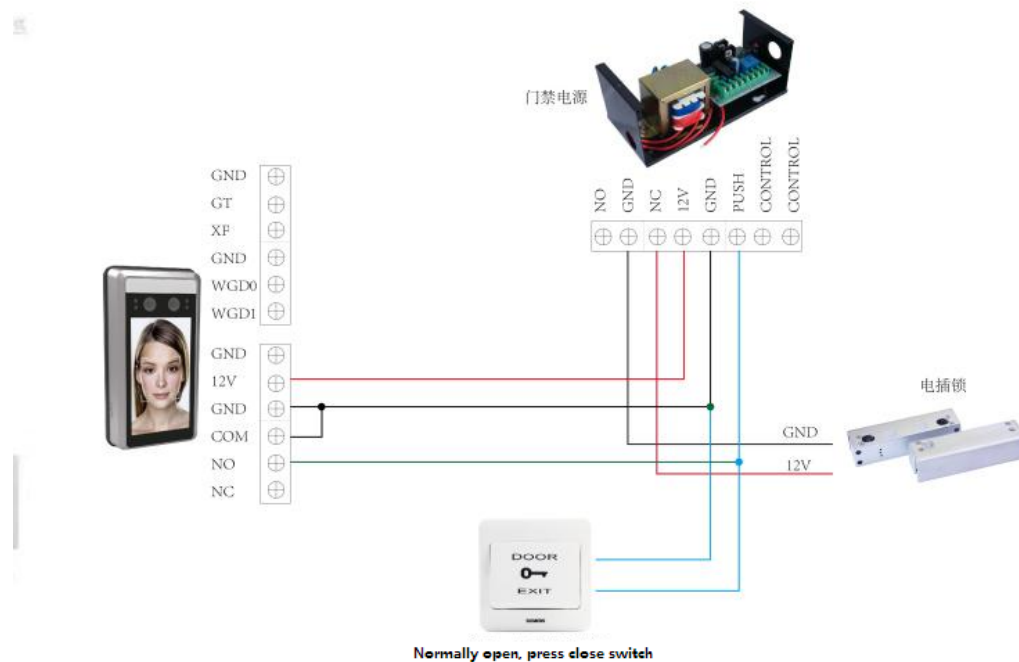
- The access control power supply powers the facial machine and the electric plug lock . The access control power supply must be 12V.
- The current depends on the current of the facial machine and electric plug lock. The maximum power consumption of the face access control machine is 1.1-1.2A, and then based on the power consumption of the electric plug lock, it is decided to buy 3A or 5A power.
- When installing and wiring, if the face management system is to be used in a LAN, make sure that the face access control machine and the server are in the same LAN.

3. Local background installation

3.1 Installation instructions

- Extract the background compressed package in the folder to the root directory of the drive Dish, such as under the E drive, open the smart folder, and run the install.bat file.
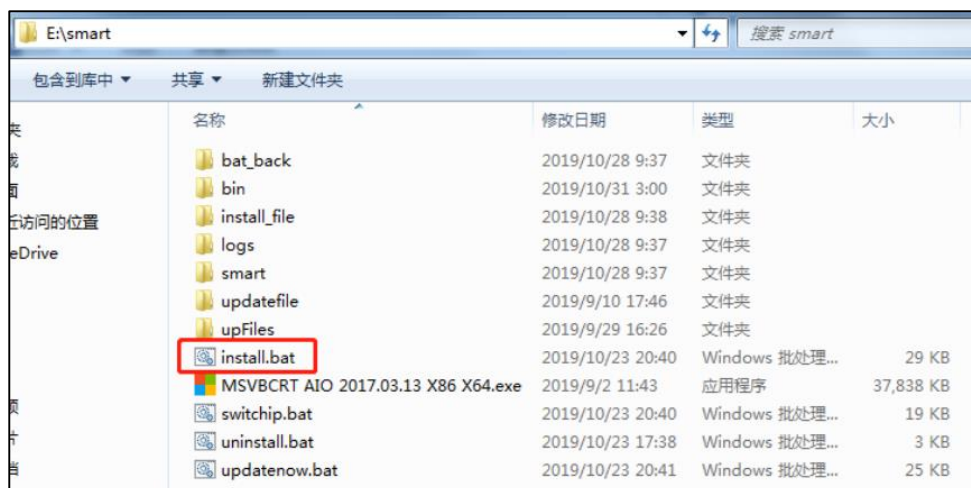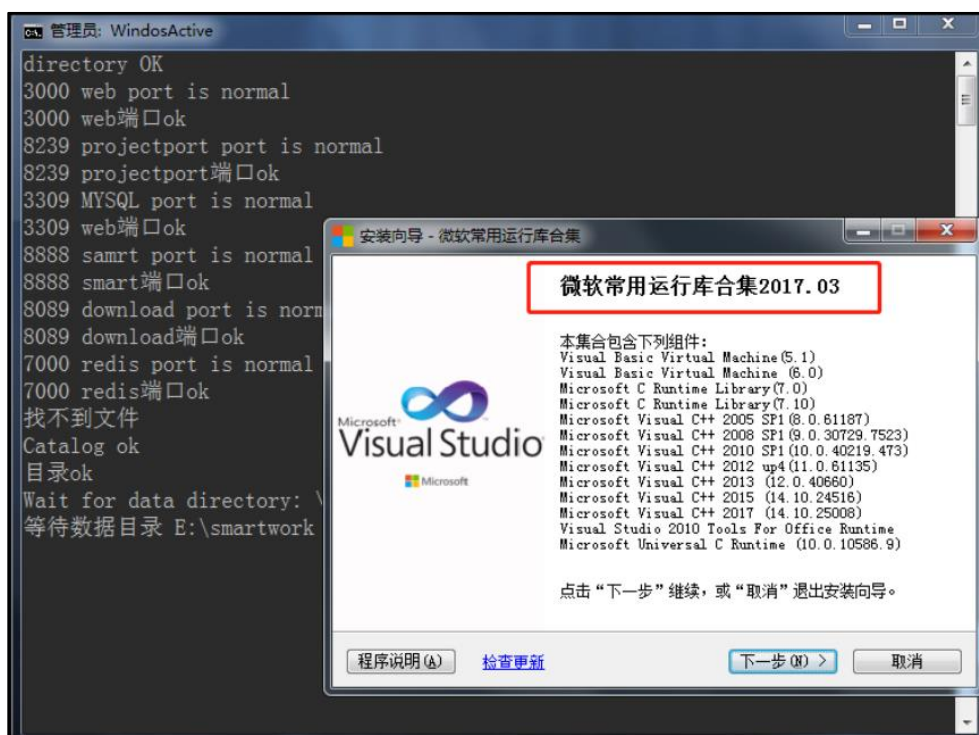

- Need to choose an IP address for background system installation
- **Note: If the computer has multiple IP addresses, you need to choose an**

IP on the same network segment as the access control device.
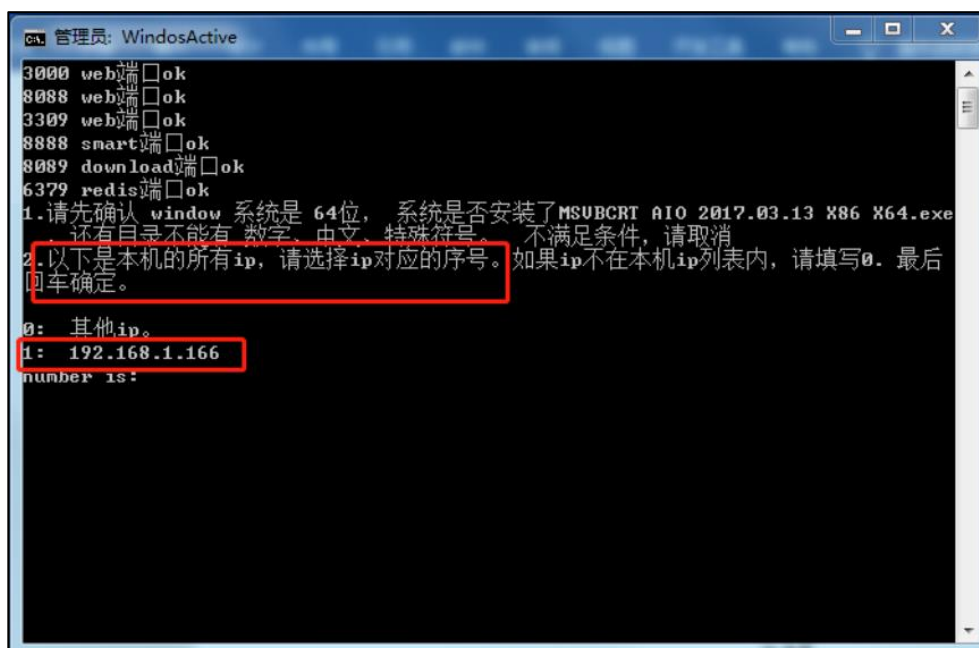
- When the installer of "Microsoft Common Runtime Collection" pops up, click

  Next to install.

- The installation takes a long time, please wait patiently.

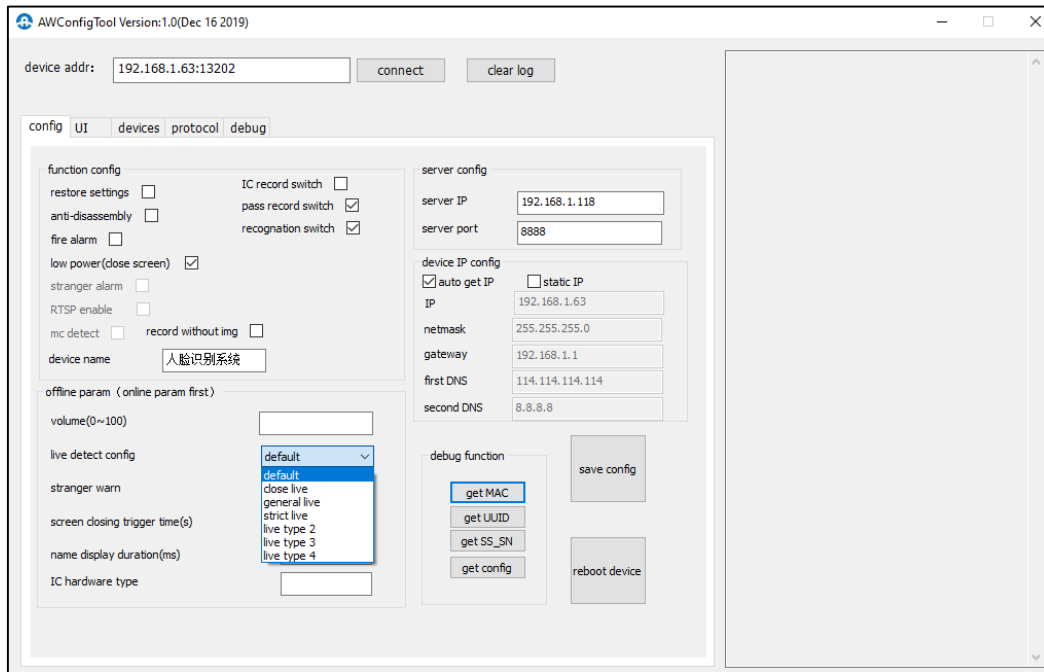- Then keep it running until the command line window disappears.

- Remarks: During the installation process, if there is a pop-up blocker, you need to choose to allow background installation.
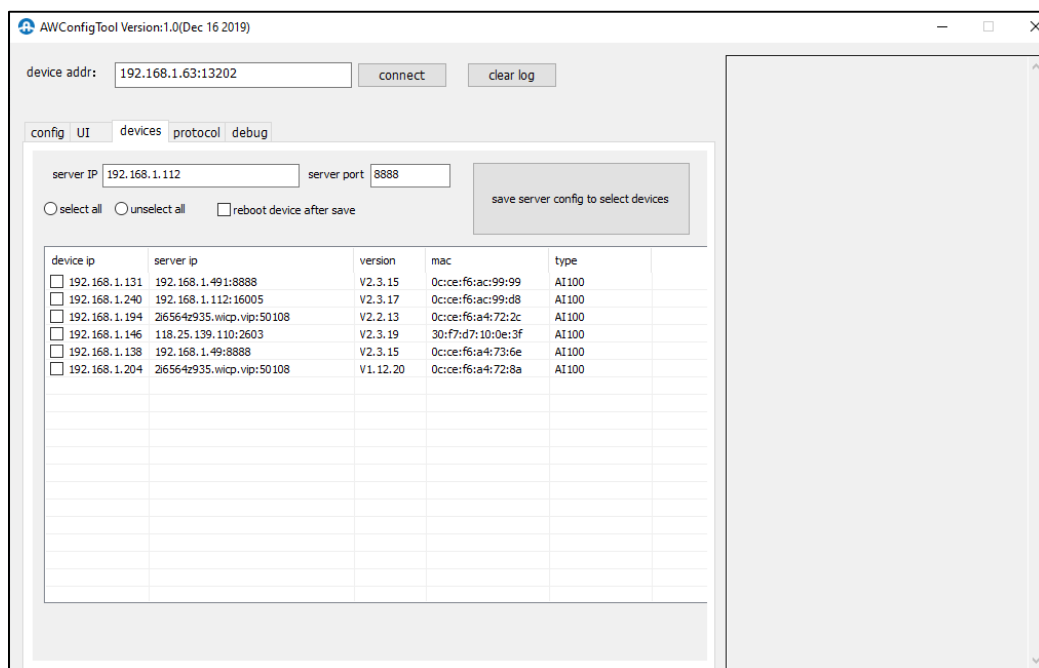
3.2 Access control device connected to the background

- Open the "AWconfigTool" folder, run "AWConfigTool.exe", and set it in the order of the screenshot below.
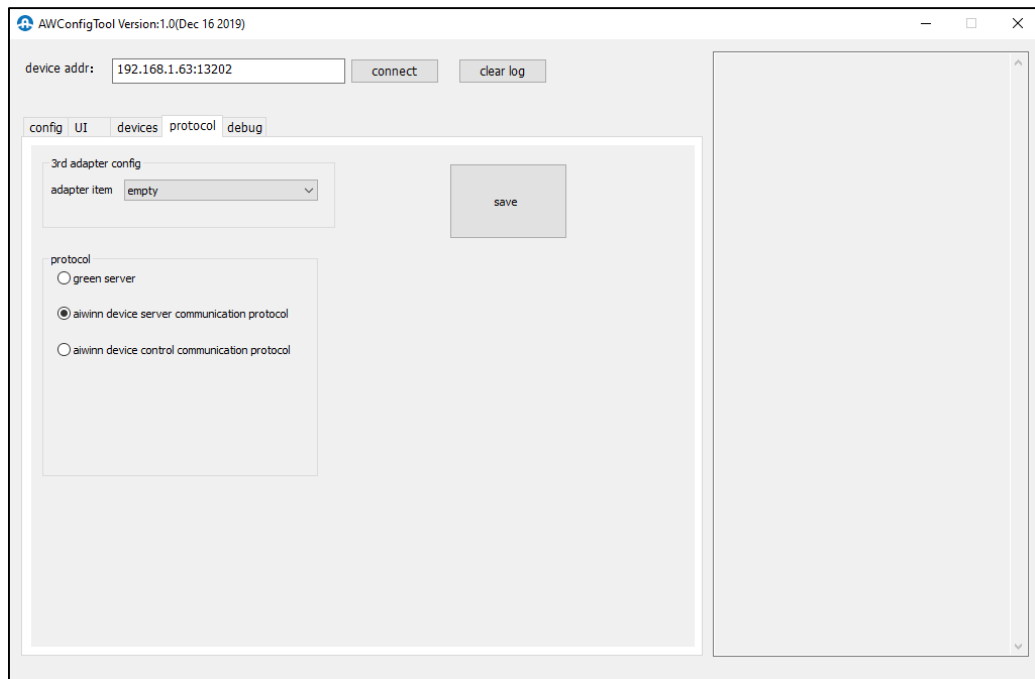
- If there are multiple devices, you can connect to the server in batches in the

LAN device list.

- After the device restarts, wait for the initialization to complete. The "IP" at the

bottom of the access control device preview interface will be white, indicating

that the device has successfully connected to the background.

4.Wisdom building background instructions

4.1 Admin Login

- Open the browser and enter the local IP address and port number (the default port number is 3000, for example: 192.168.1.166:3000).

- After entering the login interface, enter the account: admin password: 123456 to enter the background interface.

  (Note: Check the IP address of the machine, click "Start" on the computer, enter "cmd" in the bottom input box to enter the cmd interface, then enter "ipconfig", and press Enter. "Ipv4 address" is the IP address
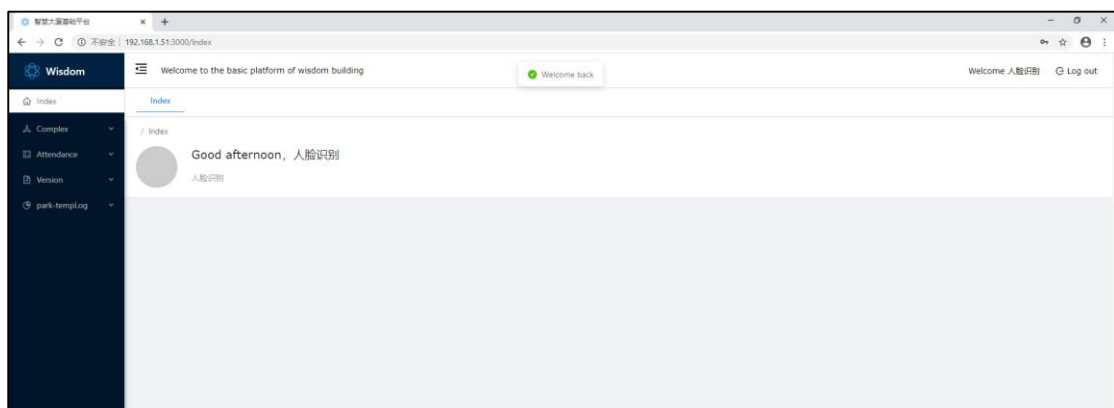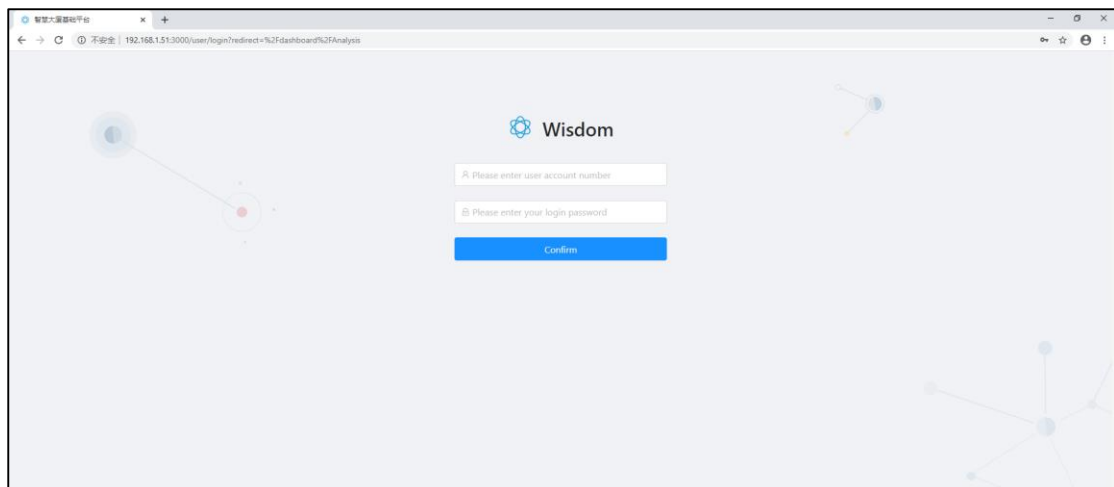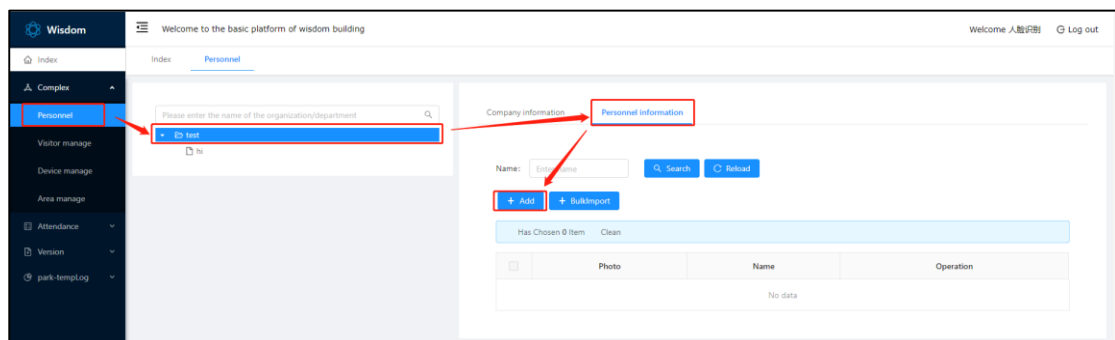
4.2 Personnel

● In the personnel management, select the company, click "Company

Information", and then click "Add Department to add a department.
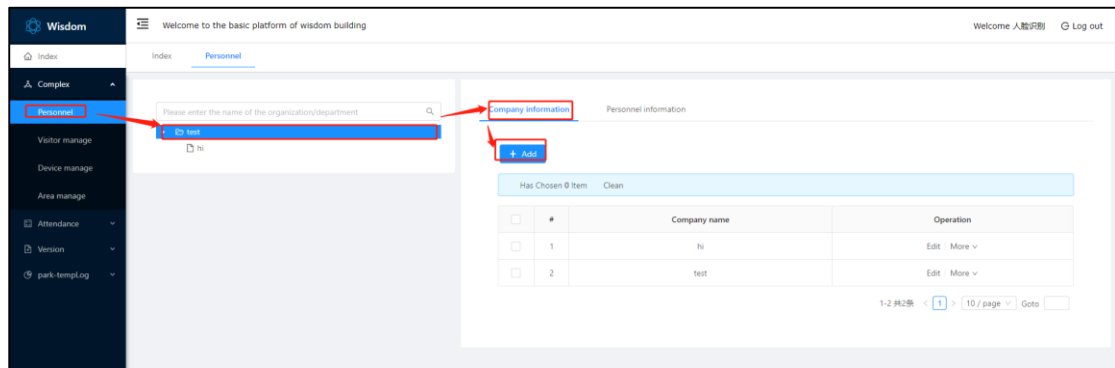
● Select the department in the personnel management, click "personnel

information", click "add personnel" to add a single person.

● Select the department in the personnel management, click "batch import" in

"personnel information", click "click download template", download the

template format for batch import, and add personnel according to the
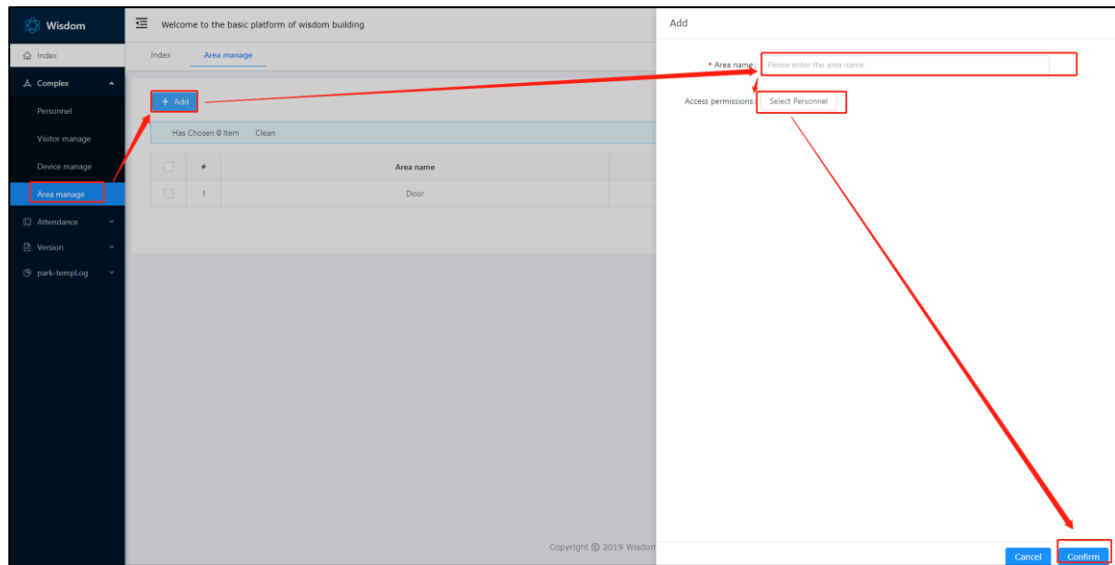
template format.
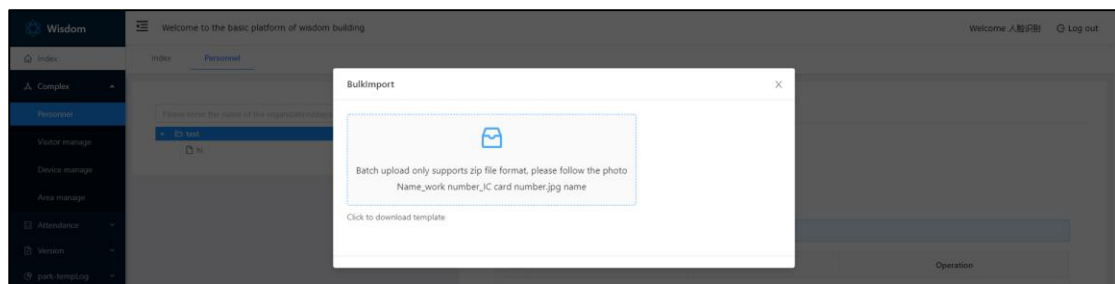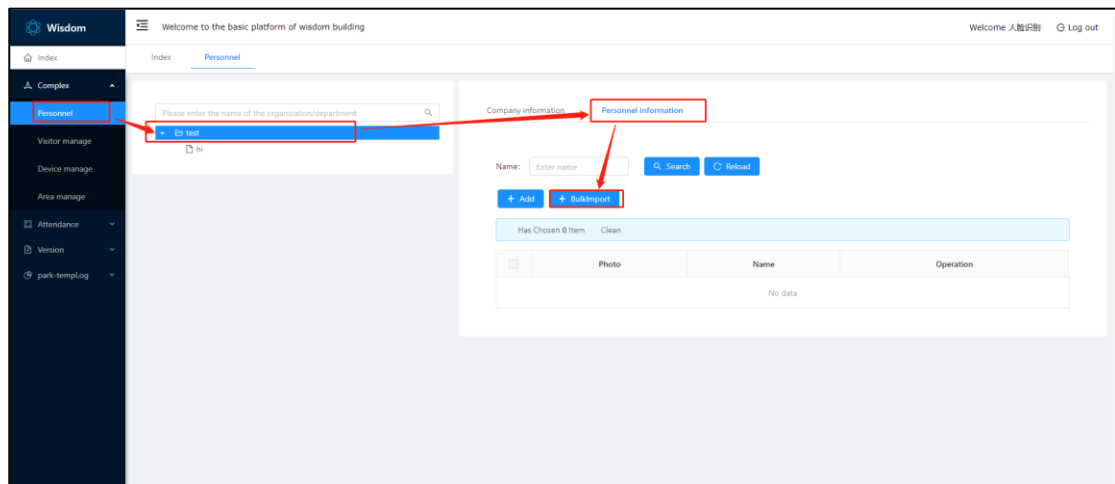
- Select the department in the personnel management, click "personnel information", and click the "edit" button to the right of a registered person to modify the person's information.
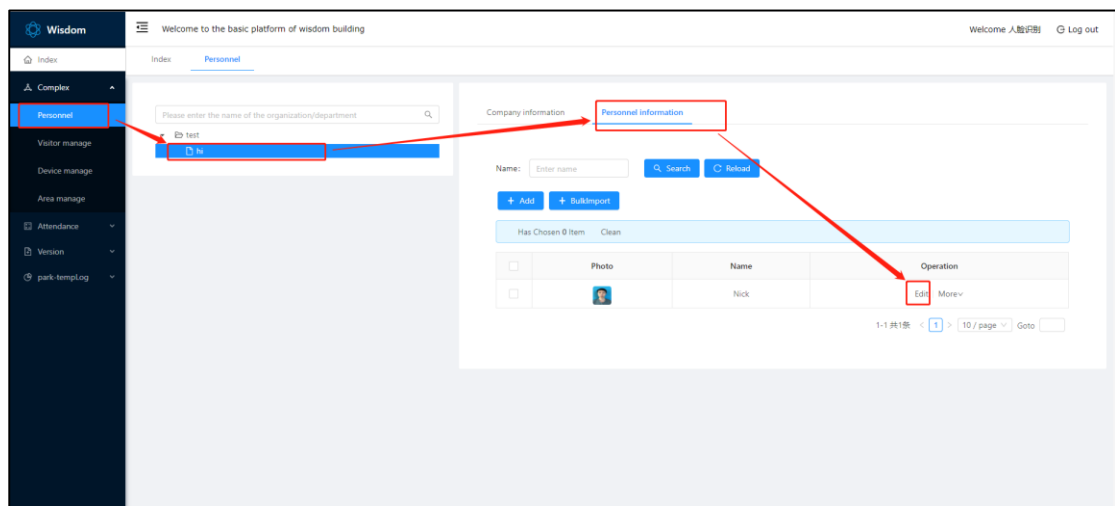
4.3 Area Manage

● In area management, create a new area, and then add personnel. Only people added to the area can pass through the area.

4.4 Device Manage

- In the device management, you can view the devices connected to the background and click the "the binding area" button to bind the device to a certain area. At this time, the personnel in this area will be sent to the access control device for registration.
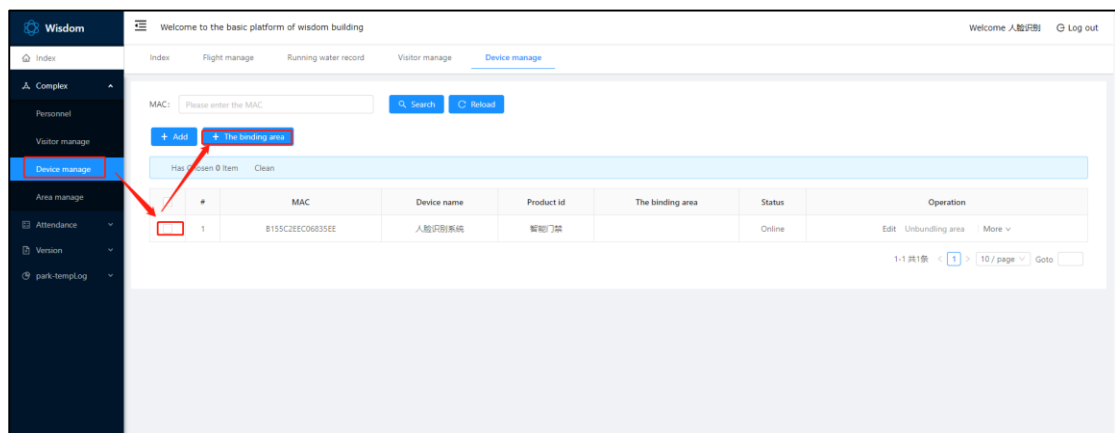
- In "Device Management" of "Complex", select the connected device, click "Edit", turn on the "Advanced Settings" switch, and set the device parameters.
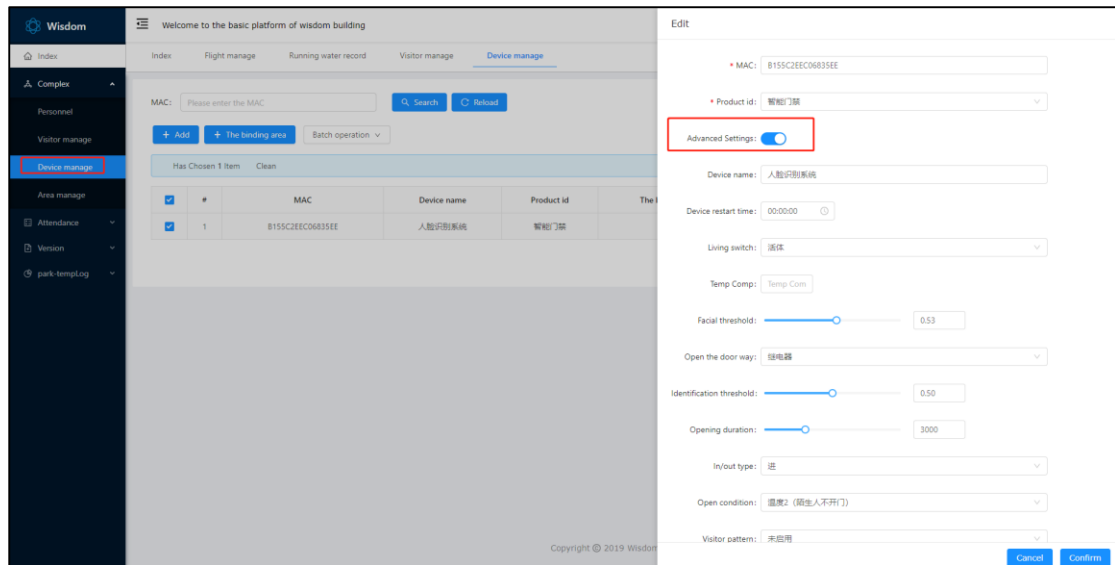
- **Device parameter description**

Device name: You can modify the name displayed by the device.

Device restart time: When the restart time is reached, the device automatically restarts once.

Living switch: "Living" means that the device only supports identification of living and non-living, and "non-living" means that the device supports identifying living and non-living.

Face recognition threshold: It is recommended to keep the default parameters, which can be changed as needed.

Door opening method: The relay is selected by default and can be changed as required.

Door Opening Duration: The duration of time when the personnel pass and the door remains open

Entry / Exit Type: Refers to the location of the device. "In" is at the entrance and "Out" is at the exit.

Door opening conditions: Select as needed. "Face" means that the registered person passed the identification, unregistered person did not pass the identification. "Temperature" means that the temperature passed the normal identification, otherwise it failed. "Temperature + (face or IC card)" refers to the registered person's normal temperature identification Pass, otherwise do not pass.

Volume adjustment: The volume of the device's voice broadcast can be adjusted, and the

volume increases from 0-100.

Minimum face recognition threshold: It is recommended to keep the default parameters, which can be modified as required.

Screen Off time： After the face is out of the device recognition area for a few seconds, the device holds the screen. The time can be adjusted by the configuration tool. Outside the screen time, the device stays on.

Fill light time: During the fill light time, the device turns on the white light fill light during face recognition. Outside the fill light time, the device's white light fill light is normally closed.

Whether to open after successful identification: "Open" is selected by default and can be changed as required.

Functions not yet implemented: thresholds for ID card comparison, visitor mode, special card numbers used by visitors, success text, failure text.
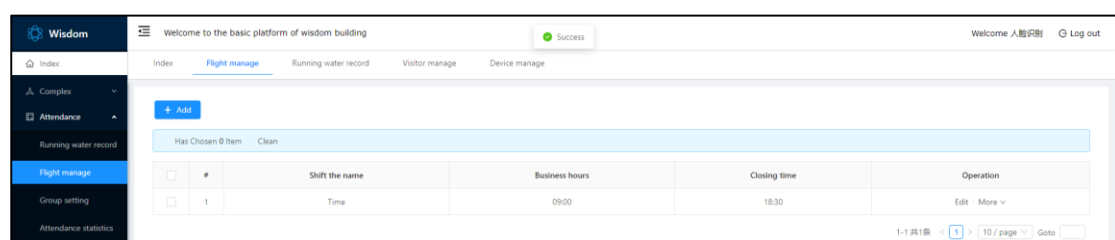
4.5 Run Water Record

- In "Fight Manage" of "Attendance" , View all traffic records.
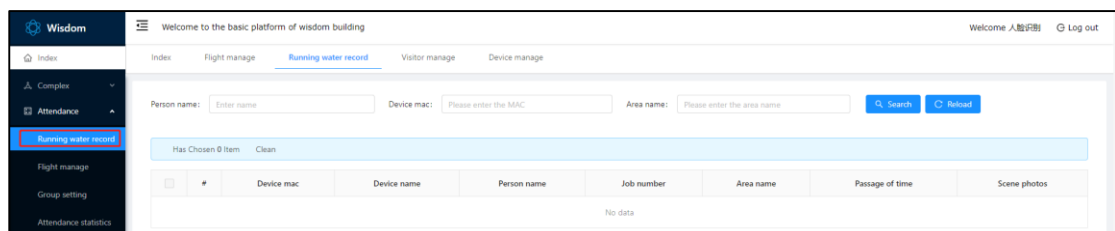
4.6 Fight Manage

- In "Fight Manage" of "Attendance" , Click "Add" to set attendance time for commuting.
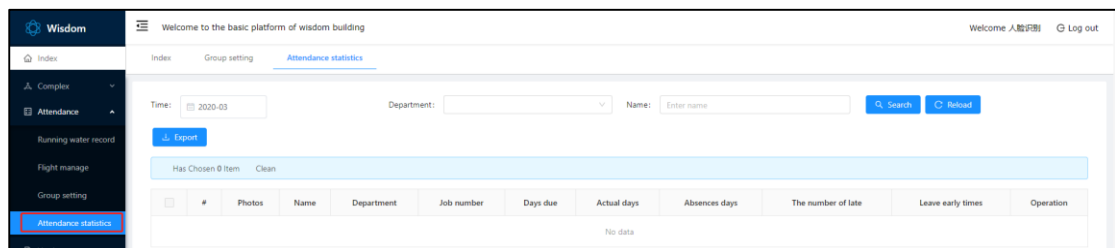
4.7 Group Setting

- In "Group Setting" of "Attendance", Click "Add" to set specific attendance personnel, and you can set working days and fights.
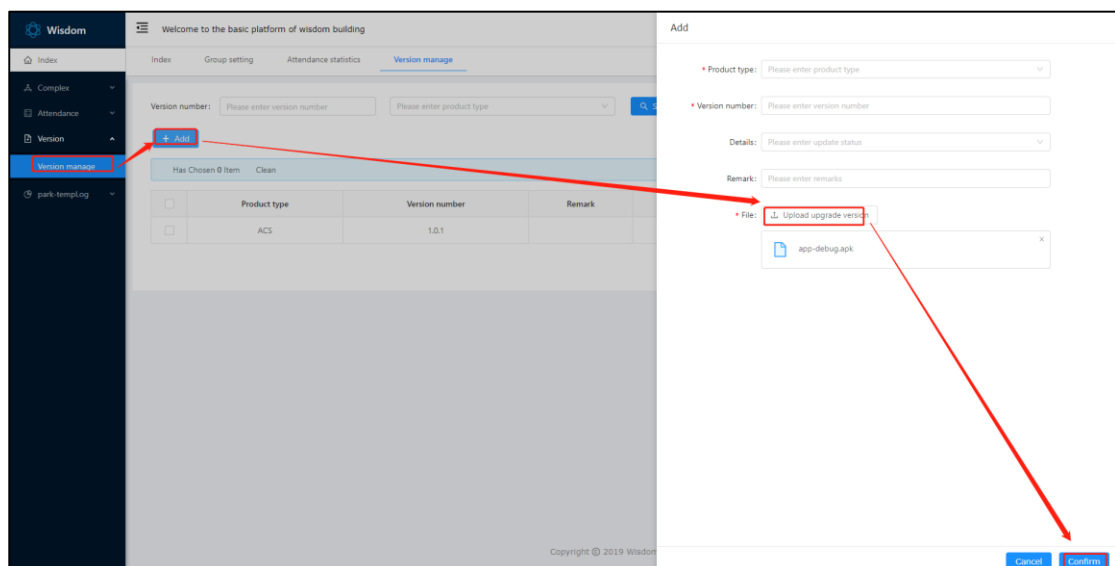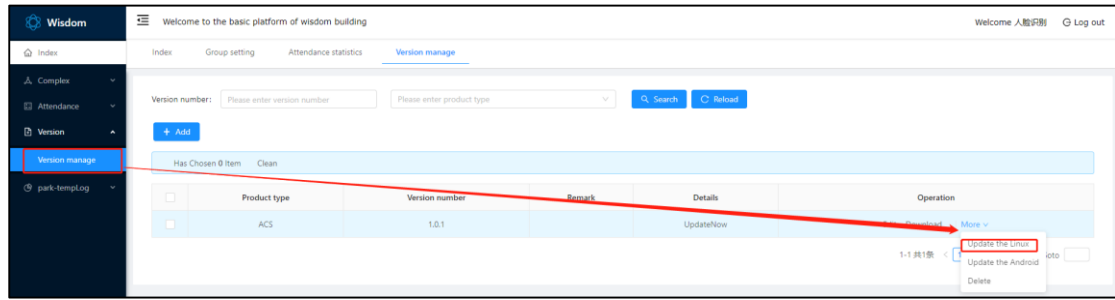

4.8 Attendance Statistics

- In "Attendance Statistics" of "Attendance", You can view attendance records, and export attendance records by month and department.


4.9 Version Manage

- In" Version Manage", you can upload a new version of the access control machine, select Update, and all online devices in the background will be upgraded.
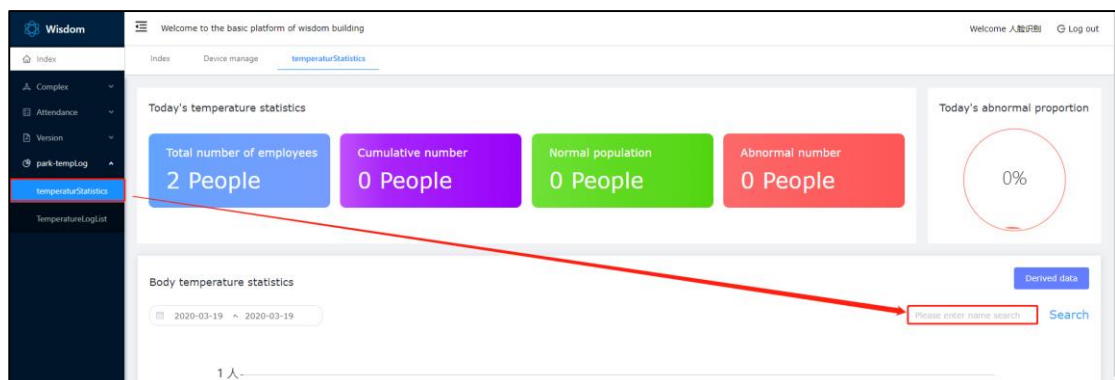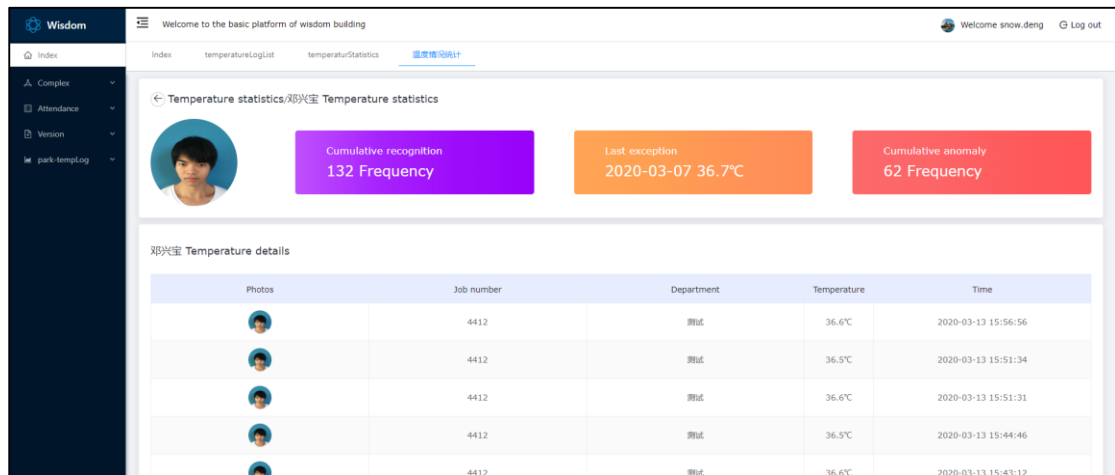
4.10 temperatureStatistics

- In "temperatureStatistics" of " park-templog ", You can view the company's today's temperature statistics, today's temperature abnormality proportion data, body temperature statistics, and company temperature abnormality ranking table.

- In "temperatureStatistics" of "park-templog ",Company temperature statistics table can be exported
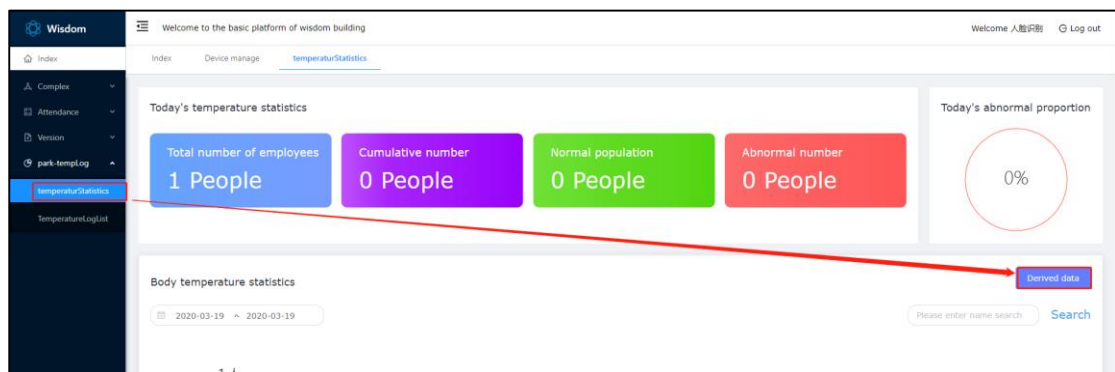
- In "temperatureStatistics" of "park-templog", Search the employee's name in the temperature statistics table, or click "View Details" in the company's temperature abnormality ranking table to view the individual temperature statistics details.

4.11 TemperaturelLoglist

- In " temperaturelLoglist " of "park-templog" Check or export temperature measurement and flow records.

- In "temperaturelLoglist" of "park-templog",Click "Expand" to view or export single-person temperature measurement and log list by name and work number.

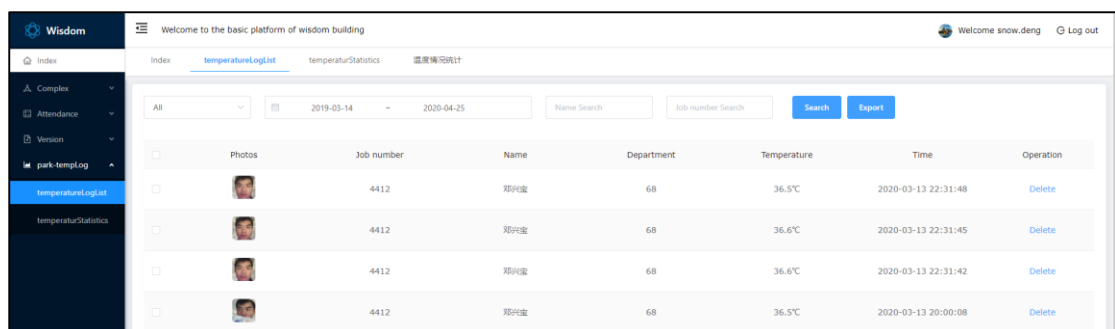- In " temperaturelLoglist " of " park-templog", Click "All" to view or export temperature log list records by area. Members display all information, non-members only display photos, temperature and time.

- In" temperaturelLoglist" of " park-templog ",Click "Delete" or check the flow records and click "Delete in batch" to delete or batch delete the temperature measurement flow records one by one.

CE

Caution:

Intended for sale and application in a business environment.

Use the Product in the environment with the temperature Between -10℃ and 40℃; Otherwise, it may damage your product. Products can only be used below 2000m altitude

For the following equipment:
Product Name: AI Attendance Machine
Brand Name: --
Model No.: PWA-10-A505
Shenzhen Power-way Information Technology Co., Ltd
E-mail: xujing@power-way.cm

hereby declares that this [Name: AI Attendance Machine, PWA-10-A505] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

CE

Adapter shall be installed near the equipment and shall be easily accessible.
Only can use adapter as below:
Power Adapter Model: RD1202000-C55-154OG
Input: 100-240Vac, 50/60Hz, 1.0A Output: 12.0V , 2A,
Shenzhen Ruide Electronic lndustrial Co., Ltd
The plug considered as disconnect device of adapter.
This product is intended for sale and application in a business environment.
RED Article 10 2
-This product can be used across EU member states
RED Article 10 10
-The product is class 1 product, No restrictions
The RF distance between body and product is 20cm

Frequency Range:
2412-2472MHz for 802.11b/g/n(HT20)
2422-2462MHz for 802.11b/g/n(HT40)
Max.RF Output Power: 13.28dBm (EIRP)

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

IC WARNING

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment meets the exemption from the routine evaluation limits in section 2.5 of RSS-102. It should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.