

4.3 inch smart fingerprint face access control machine

### Product Advantages

- 1、Using binocular HD live camera
- 2、Support WDR and strong light suppression technology
- 3、Support mask recognition algorithm
- 4、Support helmet recognition algorithm
- 5、Support for biopsy recognition algorithm
- 6、With LCD IPS full-view high definition screen
- 7、With AI high-performance CPU
- 8、Built-in watchdog, abnormal automatic restart
- 9、All interfaces come with wrong line protection
- 10、All interfaces come with anti-interference protection
- 11、Support CS desktop management system
- 12、Support BS cloud platform system
- 13、Support cell phone APP remote management
- 14、Support WeChat small program control to open the door
- 15、Support OTA upgrade, or USB flash disk firmware upgrade

- 16、Support touch menu management
- 17、 High-capacity personnel information (2000 personnel)
- 18、 Large capacity record information (200000 records)
- 19、 Support identification record photo saving
- 20、 Optional ID card, IC card, CPU card, NFC card swipe card to open the door
- 22、 Support the function of picking back the information of people (the data of people in the face machine will be collected back to the computer)
- 23、 Support U disk backup data and restore data function
- 24、 Support offline independent time and attendance, USB flash disk export report
- 25、 Support face recognition distance adjustable (optional far, medium, near)
- 26、 Support live inspection (reject photos, cell phone video to open the door)
- 27、 Support a variety of authentication methods: fingerprint, face, password, swipe card, multiple simultaneous attendance, authentication comparison
- 28、 Support Wiegand output
- 29、 Support Wiegand input
- 30、 Support fire alarm, door magnetic alarm function
- 31、 Support attendance alarm function
- 32、 Support high-speed TCP/IP communication
- 33、 Support WIFI communication (some models support)
- 34、 Support Bluetooth to open the door (some models support)
- 35、 Support fixed time constant open function
- 36、 Support blacklist identification alarm
- 37、 support illegal verification of the door alarm (some models support)
- 38、 Support duress alarm (some models support)
- 39、 Support 64 groups of time period selection (64 groups \* 7 days \* 8 segments)
- 42、 Support alarm function
- 43、 support for verification-free door opening function (no need to register, as long as the face can open the door)
- 44、 Adjustable range of opening time (0.5 - 65535 seconds)
- 45、 adjustable fill light: automatically bright, always bright, deactivated three modes can be selected
- 46、 Support for 18 national and regional languages (text and voice)
- 47、 Support real-time monitoring function
- 48、 Support the door is always open function (temporary non-locking door function)
- 49、 Support the accumulated days of equipment use record function
- 50、 Support company name display function
- 51、 Support menu password management function (you can also use a human face as administrator)
- 52、 Support fingerprint cabinet lock function
- 53、 Provide secondary development SDK and information
- 54、 Support OEM information definition

## Technical parameters.

Main uses: access control, time and attendance

User capacity: support 1000 fingerprint, support 1000 face library

Record capacity: 200,000 records, 50,000 photo records

Identification distance: 0.3 m - 3 m

Operating voltage: DC12V (9~14V)

Operating current: 2000mA

Recognition speed: < 0.3S

Working environment: Temperature: -10 ~ 65°C;

Humidity: 10 ~ 90%, non-condensing comparison method: 1:N / 1:1

Communication method: TCP/IP (optional WIFI)

Firmware upgrade: support OTA upgrade, or U disk firmware upgrade running system: LINUX system

Storage capacity: memory 1GB DDR3, storage 8GB EMMC camera: wide dynamic binocular million HD camera

Display: 4.3 inch SD screen

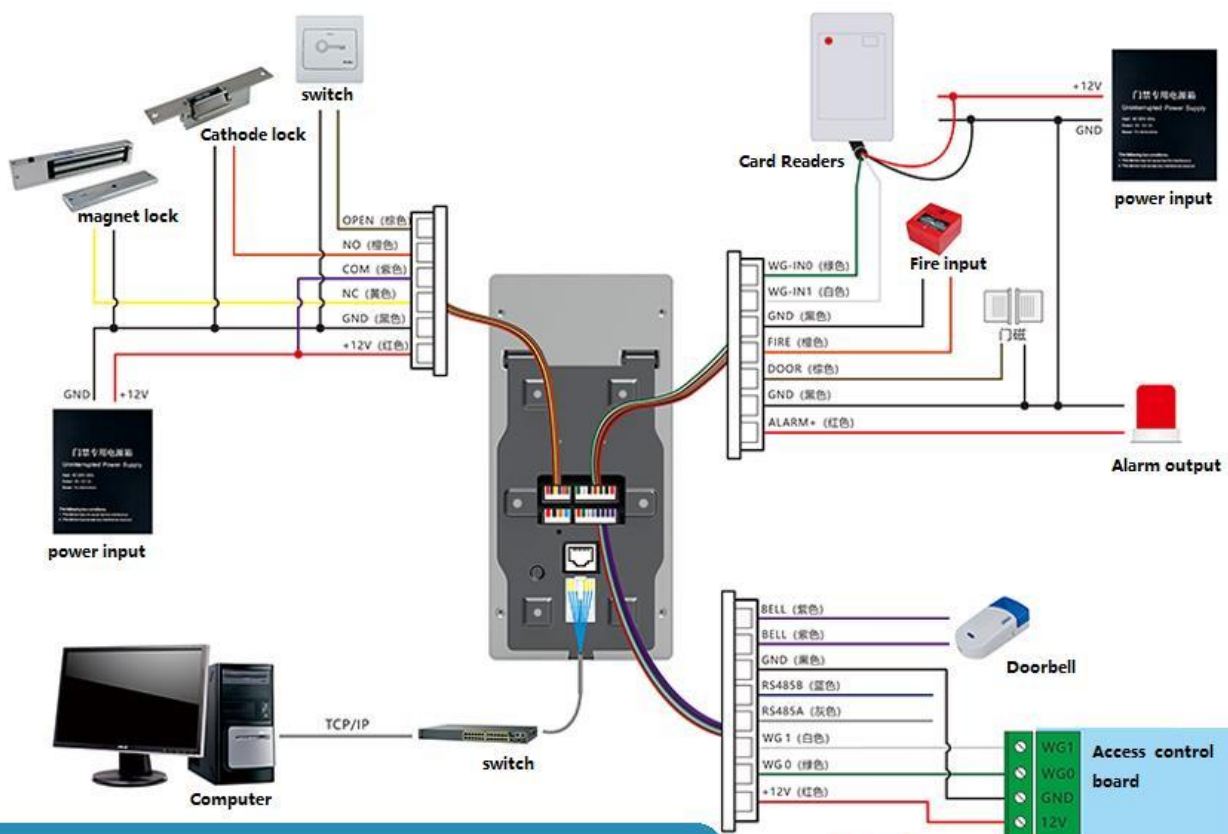
Algorithm support: mask recognition, live identification, helmet recognition access control interface protocol: Wiegand26/34/66

Other interfaces: Exit switch × 1, door magnetic interface × 1, fire input × 1, alarm output × 1, Wiegand output × 1, Wiegand input × 1, door lock control × 1, USB × 1, RS485 × 1

Management mode: touch management, CS system management, BS cloud system management (cell phone management, WeChat management)

Registration method: face, fingerprint, password, IC card (optional support CPU card, ID card, IC card, ID card)

## Wiring diagram.



Wiring requirement: AC220V power cables: You are advised to use 3x0.1mm (or more) cables to prevent leakage. The ground cables of the power cables are advised to be grounded.

Electric locking wire: 2x1.0mm (or above) wire must be used, and the maximum length of the wire should not exceed 50m.

TCP/IP communication cables: Use standard network cables. The maximum length of the cables should not exceed 100m.

The door status sensor or exit switch cable: 2x0.5mm (or higher) wire is recommended. The maximum length of the cable should not exceed 100m.

Weigand signal cable: it is recommended to use 4x0.5mm (or above) wire, and the maximum length of the line should not be more than 80m.

### Remark

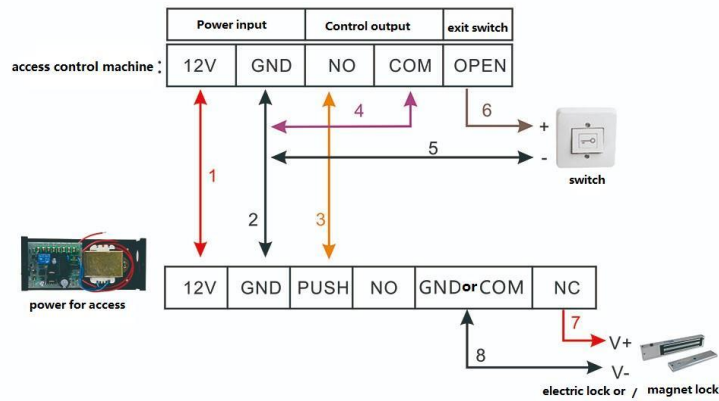
#### Adding power off type lock

(such as electric plug lock or magnetic lock) the correct wiring: the positive terminal of the electric lock to the power supply +12V, the negative terminal of the electric lock to the NC of the face machine, the COM of the face machine to the GND of the power supply

#### Add electric opening type lock

wiring: the positive terminal of the electric lock to the +12V of the power supply, the negative terminal of the electric lock to the NO of the face machine, the COM of the face machine to the GND of the power supply

## Wiring diagrams.



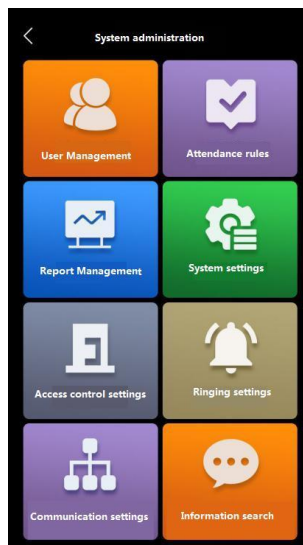
## Product Use

### Main Menu

Click the "firmware version area" at the bottom left corner (as pointed out by the arrow in the main interface diagram below) to switch to "administrator identification", verify the administrator's face, and then enter the face machine management menu. Or click "Administrator Identification" to enter the interface of entering management password, enter the administrator password, click "OK" to enter the face machine management menu (if no password or administrator is set, the system will not require authentication management password or administrator).



Main Interface



Menu screen

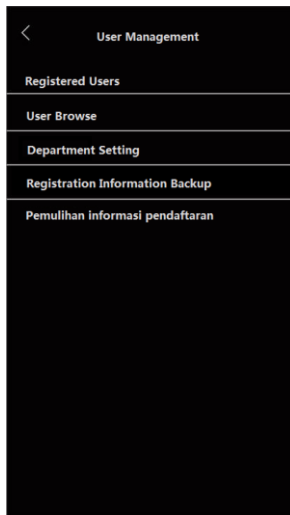
### User Management

Click "User Management" under the menu to enter the user management menu, under which you can do "Register User", "User Browse", "Department". Under this menu, you can perform operations such as "Register User", "User Browse", "Department", "Registration Information Backup", "Registration Information Restore". etc.

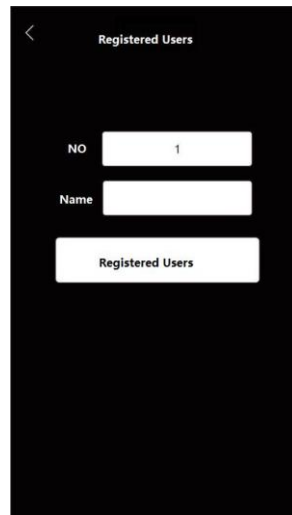
### Registered Users

Click "Register User" to start registering a new user, enter the number, name, and then click the "Register User" button to select the registration type: registration face, registration card, and registration password.

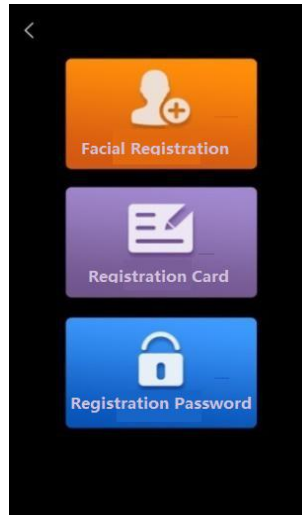
Choose to click on the Register Face button and follow the Face Machine prompts to look at the camera to register your face, as shown in the image below:



User Management Interface



Registration User Interface



Registration Face Interface

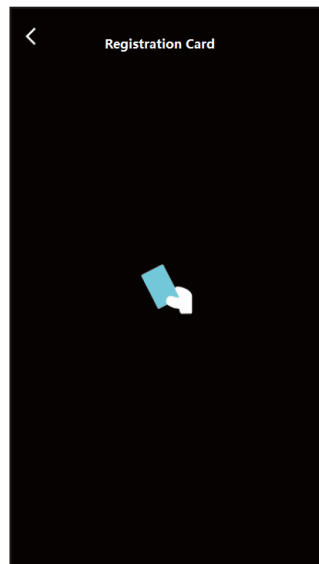
When registering your face, you need to pay attention to the camera head. To ensure the quality of face parameter entry and the accuracy of comparison, keep a natural expression during the entry process, do not wear hats, glasses and other accessories that affect the collection of facial features, do not let the bangs cover the facial features, and do not wear heavy makeup.

After the device has selected a facial photo, please click on the "Register" button as shown below to complete the facial registration.

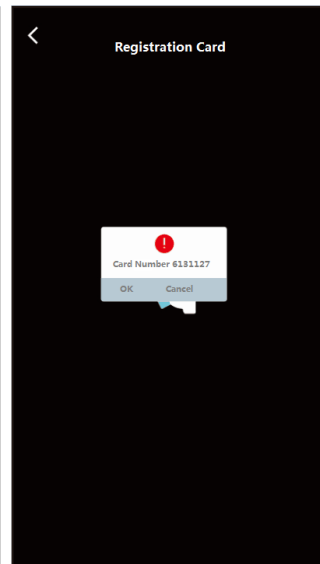
- 1, select the registration card, the interface shown below appears, at this time, please swipe the card in the swipe area.
- 2, the face machine will recognize the card number, as shown in the figure below, click "OK" to complete the registration card.
- 3, select the registration password, a pop-up box to enter the password and numeric keyboard, enter the password (password length 1 - 9 digits) click "OK", and then enter once to confirm the password click "OK" to complete the registration password, as shown in the figure below.



Registration face interface



Registration Card Interface



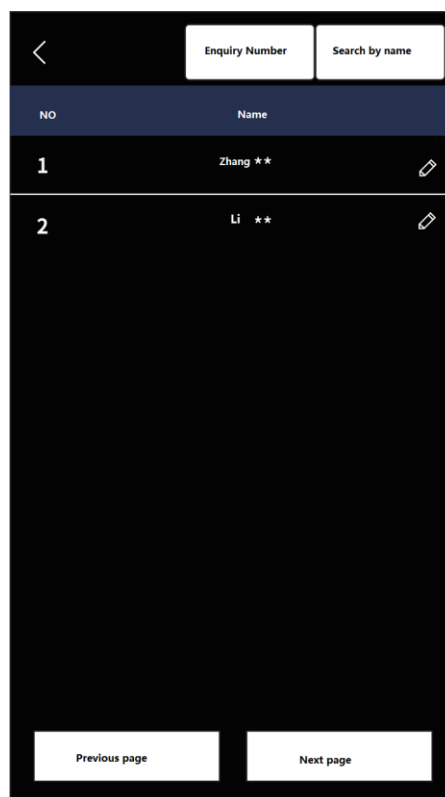
Registration card interface



Enter password interface

## User Browse

Click "User Browse" to search and browse registered users, and by default they are listed according to number size, and you can also modify the details of registered users. You can click "previous page" and "next page" to turn the page to query the display; you can query by number, click "query number", enter the number and click "You can search by name, click "Search Name", enter the name and click "OK" to search the corresponding name of the person.



User browse interface

Query the user that needs to be modified, click on the user, you can view the details of this user. You can modify the name, card number, password, department and authority of the person, or you can re-record the face, or you can delete the user directly.

You can set the user as administrator through permission modification.

## Department Setting

Click "Department Settings" to add department information, so that you can manage personnel information by department.

## Registration Information Backup

Click "Registration Information Backup" to backup the registered person information to a USB flash drive.

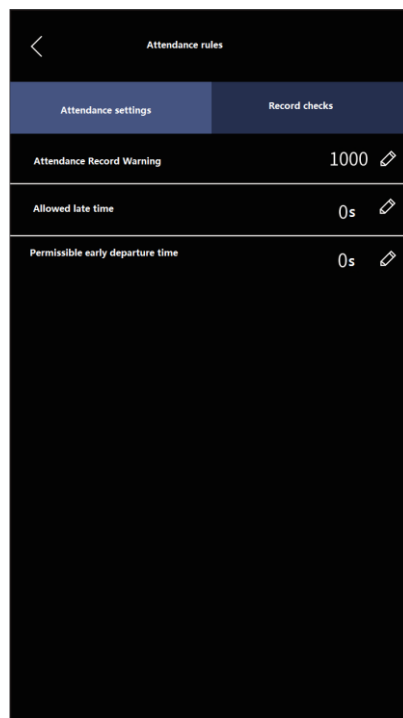
## Registration Information Restoration

Click "Restore Registration Information" to restore the information saved in the U disk to the face machine.

## Attendance rules

Click "Attendance Rules" under the menu to enter the attendance rules menu. Under this menu, you can set attendance and view records.

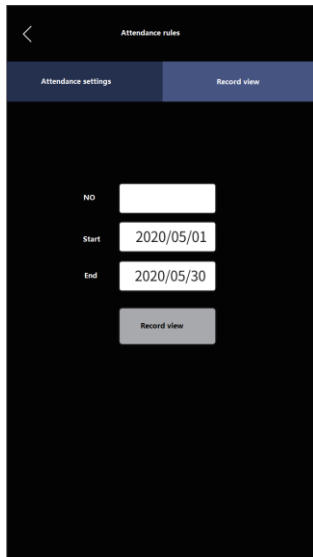
## Attendance settings



User browse interface

Attendance record warning: the stored records will be full soon, you can set how many records are left before the device starts to alarm (default 1000 records). Allowed late time and allowed early time can be set up to 60 seconds.

## Record View



The 'Record View' screen features a top navigation bar with a back arrow and the title 'Attendance rules'. Below this is a tab bar with 'Attendance settings' and 'Record view'. The main area contains a form with labels 'NO', 'Start', and 'End' next to input fields. The 'Start' field is set to '2020/05/01' and the 'End' field is set to '2020/05/30'. A 'Record view' button is positioned below the date fields.

Record View Screen



The 'Access record interface' displays a list of entry and exit records. At the bottom, there are 'Previous page' and 'Next page' buttons.

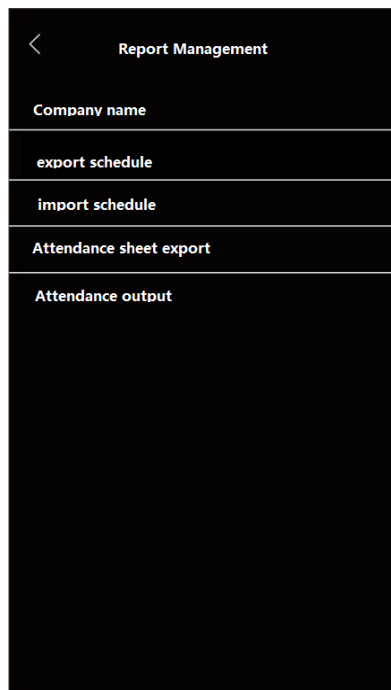
Entry and exit records	
0000000001	19/06/01 08:00
0000000001	19/06/01 09:00
0000000001	19/06/01 10:00
0000000001	19/06/01 11:00
0000000001	19/06/01 12:00
0000000001	19/06/01 13:00
0000000001	19/06/01 14:00
0000000001	19/06/01 15:00
0000000001	19/06/01 16:00
0000000001	19/06/01 17:00
0000000001	19/06/01 18:00

Access record interface

Enter the number in the entry/exit record screen, and you can check all the entry/exit records from the start time to the end time of the person with this number.

## Report Management

Click "Report Management" under the menu to enter the report management menu. You can modify the display of "Company Name" in the attendance report, and import and export the schedule and attendance sheet through USB disk.



The 'Report Management' screen has a top navigation bar with a back arrow and the title 'Report Management'. The main area contains a list of options: 'Company name', 'export schedule', 'import schedule', 'Attendance sheet export', and 'Attendance output'.

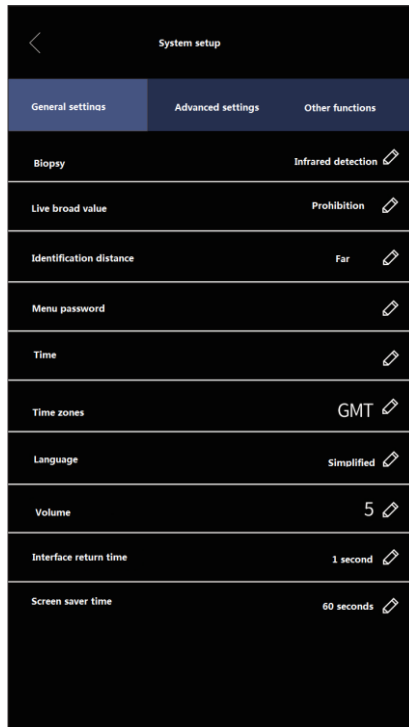
Report Management Interface

## System Setup

Click "System Settings" under the menu to enter the system settings menu, which includes general settings, advanced settings and other functions.

## General settings





System general settings interface

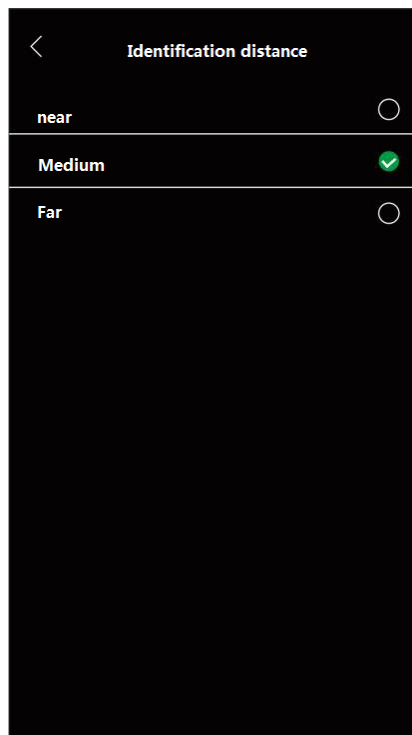
You can set the time, time zone, language, volume, interface return time and screen saver time, live threshold, etc. for the machine.

Languages can be set optionally in Simplified Chinese, Traditional Chinese, English, Cantonese, Portuguese, Spanish, Russian, French, Japanese, Korean, Thai and Arabic. Volume can be adjusted up to 10.

The interface return time can be set to a maximum of 30 seconds (default 1 second).

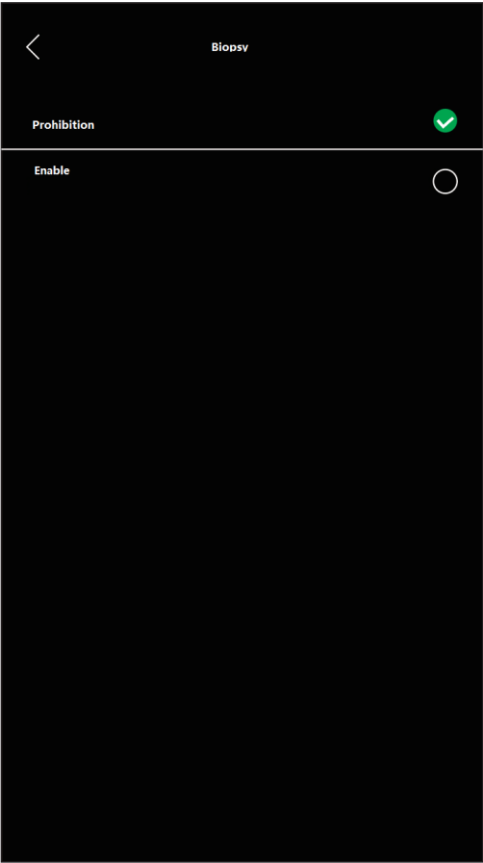
The screen saver time can be set to a maximum of 999 seconds (default 60 seconds).

The machine recognition distance can be adjusted (near, medium and far) as shown in the following figure.



Recognition distance interface

The live detection function can be turned on or off as shown in the following figure.



biopsy inspection interface

Advanced Settings



Advanced settings interface

The total number of administrators of the machine can be modified, up to 255 administrators can be set.

The temperature standard can be set to Celsius or Fahrenheit.

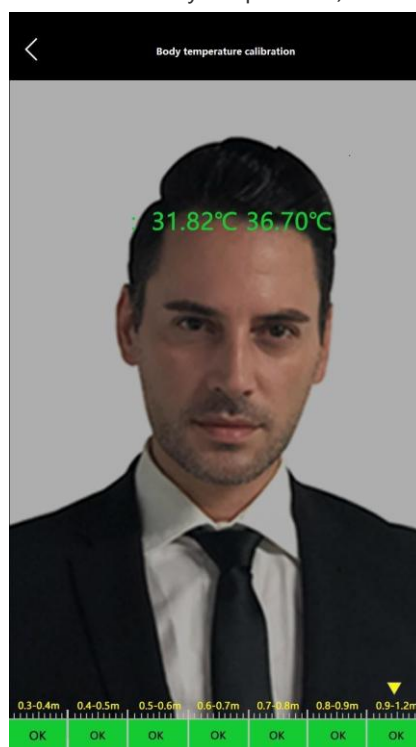
The recognition threshold of the machine can be modified.

Factory settings can be restored to the machine. The machine firmware can be upgraded via USB flash drive.

Body temperature calibration: You can calibrate the body temperature detection function of the face machine through the body temperature calibration function to ensure that the detected body temperature data is accurate, as shown in the following figure for calibration (When calibrating the body temperature, please keep the face within the recognition range, moving within a distance of 0.3 ~ 1.2 meters from the face machine, at which time the face machine will automatically calibrate.) After calibration is completed, all calibration distance labels will prompt O K, as shown in the figure below. (If the user needs to recognize the face + body temperature at a longer distance, it is recommended that the temperature correction be manually adjusted to + 0.2 degrees after the automatic calibration of the body temperature, which is closer to the actual body temperature.)



Body temperature calibration process interface

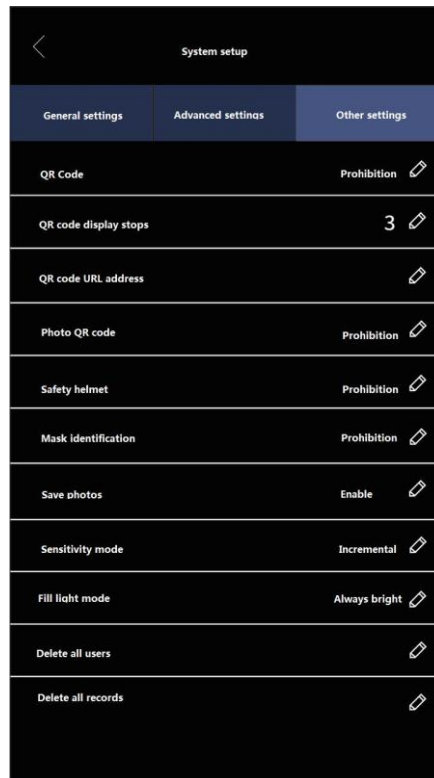


Temperature calibration completion screen

Temperature alarm value: You can modify the alarm value of high body temperature when body temperature is detected. Body

temperature correction: When the recognition distance is long, the temperature drift during body temperature detection can be corrected.

## Other functions



Other functions interface

QR Code Enable: On/Off Display QR code (the QR code content is, the current personnel name, temperature, time and server URL address, mainly used to facilitate cell phone sweep to obtain personnel information and temperature information, convenient to report to the epidemic supervision platform).

QR code display dwell: used to control the length of QR code display, unit/second (default 3 seconds). QR code URL address: convenient for declaring personnel information and body temperature data, the URL is the server address.

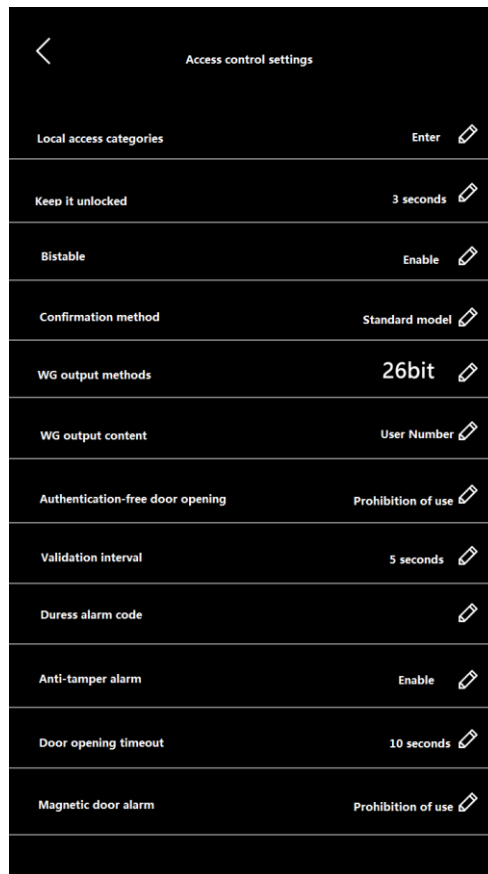
Safety helmet: You can choose to enable or disable this function according to user needs. When the helmet detection function is enabled and the user is detected not wearing a helmet, the device screen will prompt please wear a helmet and prohibit passage.

Save photos: On/Off, identify whether live photos are saved or not.

Light sensitivity mode: Set the light sensitivity mode of the camera, which can be adjusted to brighten or darken according to the current environment.

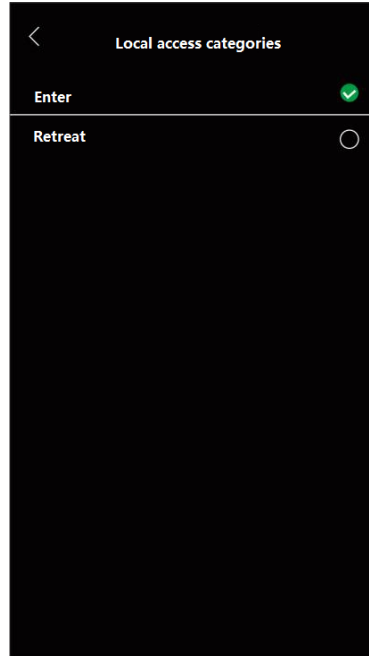
Fill light mode: the fill light can be set to constant light / no light / automatic three modes, set to automatic mode, automatically lit when someone identified, no one identified automatically off.

Access Control Settings Click on the menu under "Access Control Settings" to enter the access control settings menu, as shown in the following figure.



Access control setting interface

This machine in and out of the category: can be selected to enter the type of entry or exit, as shown in the following figure.



Access control setting interface

Unlock hold time can be set from 0 to 65535, (0 means 0.5 seconds, 65535 means always open when authentication passes).

Bistable mode can be set to prohibit or enable (open bistable function is: legal identification once to open, and then legal identification once to close, switch back and forth to open and close the door); WG output content can be modified to number output or card number output.

The number of WG bytes can be modified to Weigend 26 (two-byte, three-byte), Weigend 34 (four-byte), Weigend 66 (eight-byte); alarm settings include duress alarm, tamper alarm, door open timeout alarm, and door magnetic alarm.

Ringing settings





Click "Ringing Settings" under the menu to enter the ringing settings menu. You can set a total of 24 groups of ringing time, click the time section in the ringing group to modify the specific time of ringing, and click "Use Prohibited" to set the duration of ringing (0 seconds is the default use prohibition state, up to 255 seconds can be set), as shown in the figure below.

Ringing settings		
01	00:00	Prohibition of use
02	00:00	Prohibition of use
03	00:00	Prohibition of use
04	00:00	Prohibition of use
05	00:00	Prohibition of use
06	00:00	Prohibition of use
07	00:00	Prohibition of use
08	00:00	Prohibition of use
09	00:00	Prohibition of use
10	00:00	Prohibition of use
11	00:00	Prohibition of use
12	00:00	Prohibition of use
13	00:00	Prohibition of use
14	00:00	Prohibition of use
15	00:00	Prohibition of use
16	00:00	Prohibition of use
17	00:00	Prohibition of use
18	00:00	Prohibition of use

Ringing setting interface

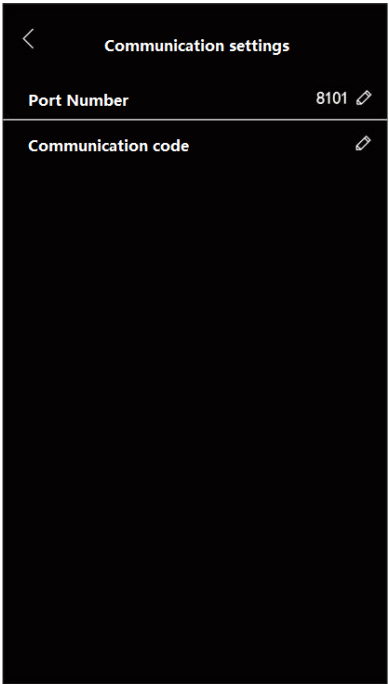
Communication settings

Click "Communication Settings" under the menu to enter the communication settings menu. You can modify the local communication parameters, server settings, wired settings and wireless settings, as shown in the following figure.

Communication settings	
Local settings	
Server settings	
Wired setup	
Wireless settings	

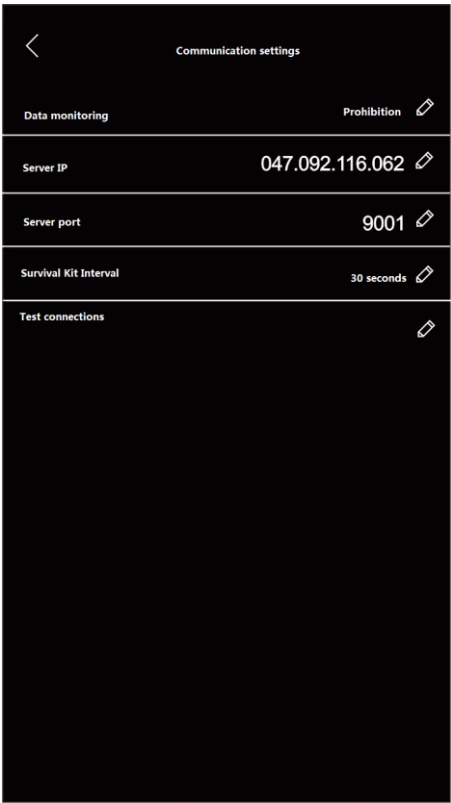
Communication settings interface

Local settings: You can change the port number of the machine (default 8101) and the communication password of the machine, as shown below.



Communication settings interface

Server settings: When you install this face machine through the card system software and choose to monitor this device in real time, the card software will automatically fill in the settings here, as shown in the figure below.



Server communication setting interface

Wired (wireless) settings: you can choose to turn on or off the DHCP function (off by default), you can modify the TCP parameters of the machine, the default IP address is 192.168.1.150; the default subnet mask is 255.255.255.000. The default gateway is 192.168.1.1; the DNS server IP is 192.168.1.1 by default; the M A C address is fixed and unique, as shown in the following figure.

<

Communication settings

Allowed	Enable	
DHCP	Prohibition	
IP Address	192.168.001.150	
Subnet Mask	255.255.255.000	
Default Gateway	192.168.001.001	
DNS Server IP	192.168.001.001	
MAC Address	76:4d:53:30:10:42	

<

Communication settings

Allowed	Enable	
Select Network	WRZ	
DHCP	Prohibition	
IP Address	192.168.001.150	
Subnet Mask	255.255.255.000	
Default Gateway	192.168.001.001	
DNS servers	192.168.001.001	
MAC Address	00:0C:A3:31:44:38	

Wired Setting Interface

Wireless Setting Interface

Information Search

Click "Information inquiry" under the menu to enter the information inquiry menu. Under this menu, you can check the registration information and equipment information under this face machine.

The content of registration information includes the number of management registration, the number of user registration, the number of face registration, the number of card registration, the number of password registration, the number of attendance records and the number of saved photos, etc. The value on the left indicates the number of existing information in the device, and the value on the right indicates the maximum capacity of the device registration information, as shown in the following figure.



Information search		
Registration information		Equipment information
Manage registration	0	5
User registration	0	20000
Facial registration	0	20000
ID card registration	0	20000
Password registration	0	20000
Attendance records	0	1000000
Save photos	0	1000

Information search interface

Device information content includes manufacturer, URL, serial number, factory date, device name, firmware version, algorithm version and other information, as shown in the following figure.

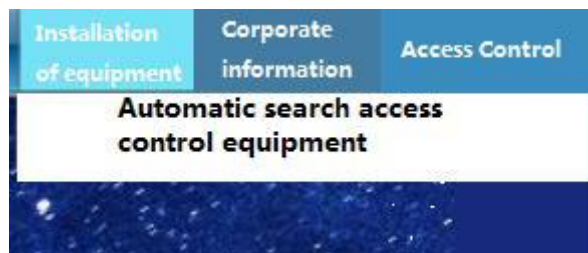
The image shows a mobile application interface titled "Information search". It has a dark theme with a blue header bar. Below the header, there are two tabs: "Registration information" and "Equipment information". The "Equipment information" tab is selected. The interface displays a list of equipment details in a table-like format. The details include: Manufacturers, Website, Reminder messages, Serial number (E-20124011), Date of manufacture (2021/06/20 08:00:00), Equipment name, Firmware versions (5.36), and Algorithm version (Ver300.20000.124).

Information search	
Registration information	Equipment information
Manufacturers	
Website	
Reminder messages	
Serial number	E-20124011
Date of manufacture	2021/06/20 08:00:00
Equipment name	
Firmware versions	5.36
Algorithm version	Ver300.20000.124

Information search interface Instructions for using the client

## Face machine installation and setup

Automatic search for devices through the software can automatically search for all access control and face machines found online, convenient for devices to join the software system. Click on the main interface [install equipment] drop-down menu [automatic search for access control devices], as shown below.



Click [Auto Search for Access Control Devices] to enter the interface shown below.

**Automatic search equipment**

**Communication methods**

☐ RS232/RS485 communication method
 ☒ TCP/IP local area network communication method
 ☐ Internet WAN communication method

Network Ports 8101

0 devices searched

Start your search

NO	Select / Communication method	Model number	Type of equipment	SN Address	Remarks
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☐ Select/No Select

Installation of equipment Exit

TCP/IP LAN method: First enter the network port, the default is 8101, and then click [Start Search]. (Note: The device must be connected to the computer through a switch for communication), as shown in the following figure.

**Automatic search equipment**

**Communication methods**

☐ RS232/RS485 communication method
 ☒ TCP/IP local area network communication method
 ☐ Internet WAN communication method

Network Ports 8101

3 devices searched

Start your search Search again

NO	Select/ Communication method	Model number	Type of equipment	SN Address	Remarks
1	<input type="checkbox"/> IP: 192.168.1.2:8101	F	Dynamic face access contro	19090013	Uninstalled device (double click to set IP)
2	<input type="checkbox"/> IP: 192.168.1.216:8000	8940H	Four door access controller	47124309	Uninstalled device (double click to set IP)
3	<input type="checkbox"/> IP: 192.168.1.15:8000	5926T	Intelligent gate controllers	97880009	Uninstalled device (double click to set IP)

☐ Select /No Select

Installation of equipment Exit

If the user's device is a TCP/IP communication method, the device IP address needs to be modified, (during the installation of the device, the user needs to modify the device IP address, you need to check (device communication password) if the device has modified the communication password, then you need to enter the correct password to allow the modification of the IP address, to prevent others from modifying the device IP through the installation software, resulting in the original user communication not on.) You can double-click the searched TCP/IP face machine, the pop-up TCP connection parameters interface, as shown in the following figure.

TCP connection parameters		
NO	Title	Value
1	MAC Address :	66-82-B3-F9-1C-CB
2	IP Address :	192.168.1.25
3	Subnet Mask :	255.255.255.0
4	Gateway address:	192.168.1.1
5	Local TCP port :	0
6	Local UDP port :	8101

Restore default values      Keep      Exit

(Note: The system can search for the face machine in a different network segment from the computer, the user is required to modify the IP address of the same network segment address with the computer before normal communication. (If the user uses a router that supports multi-segment mapping function, then the system software can communicate directly with other network segments of the access control.)

IP address, subnet mask, gateway address to double-click to change the parameters to match the same network segment with the computer IP, point [Save] to return to the installation interface, point [Install Device], click the left column after installation [Access Control Management] to select the device click [Properties] column, the following figure pops up.

Equipment details

Basic information
Function settings
Communication parameters
Wiring diagram

Name : R&D Department  
SN: F-19090013      Versions : 5.03  
Type Description : Dynamic Face Access Control Machine  
Remarks :  
Mounting position : Default Location  
Photos  
Select

Algorithm version :	Ver 70	Date of manufacture :	2019-06-06
Card Capacity :	0\20000	User capacity :	0\20000
Face capacity :	0\20000	Password capacity :	0\20000
Record pun card capacity	0\1000000	System recording capacity	0\100000

Unlocking hold time: 3 seconds  
Value range: 0.5-65535 seconds      Capture records

Alarm status  
No alarm

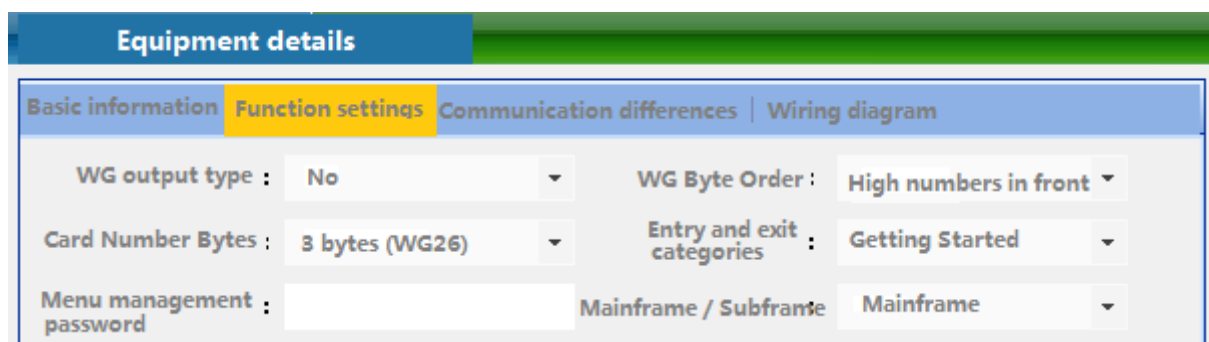
Initialisation  
Initialisation will clear all data  
Initialisation

Save      Exit

Name: can be modified according to demand.

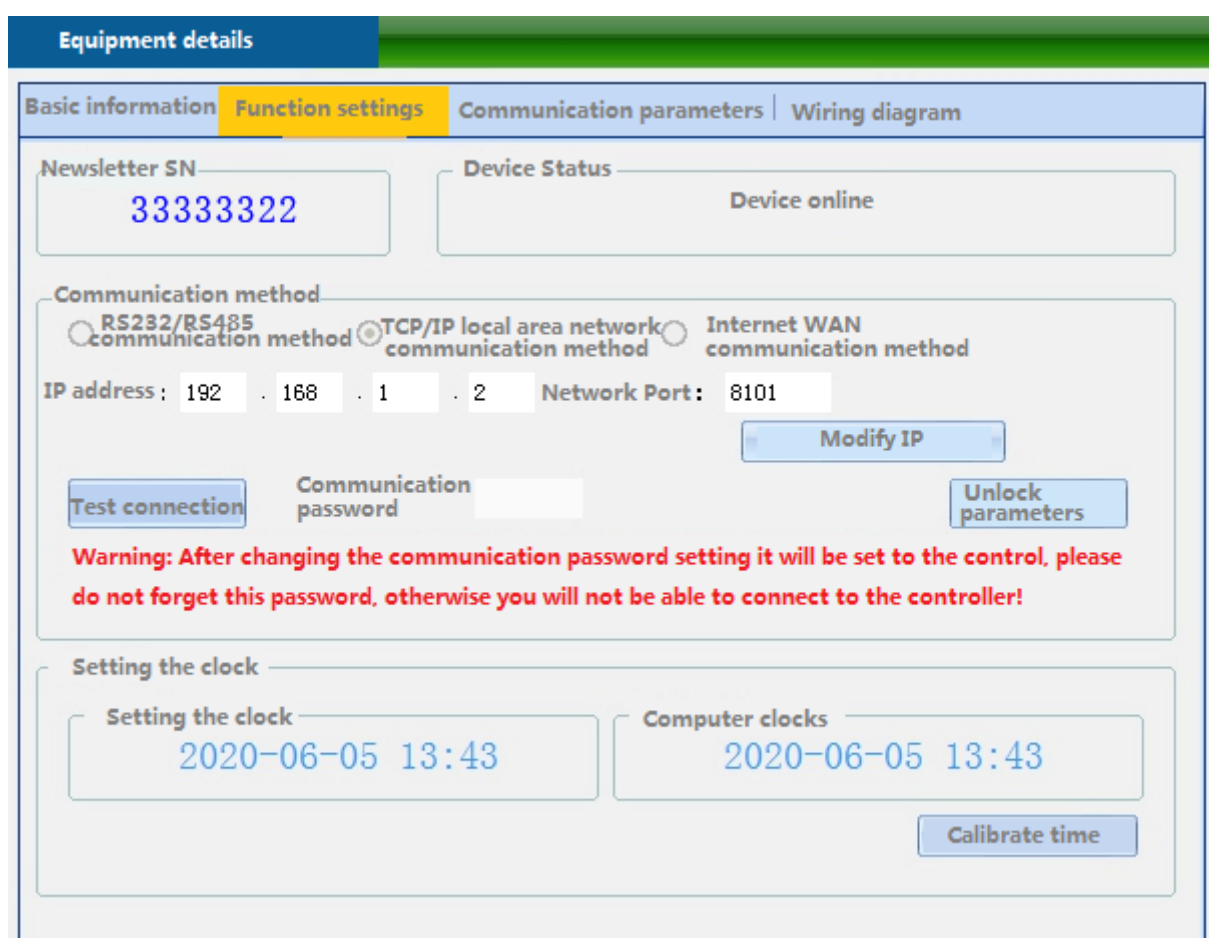
Unlock Hold Time: Self-adjustable according to demand (default: 3 seconds)

Select [Function Setting] in the interface of [Device Details], you can modify the settings of menu management password, recognition distance, live detection mode, access type, swipe byte, WG output, master and slave of the face machine. As shown in the figure below :



Equipment details	
Basic information	Function settings
WG output type :	No
WG Byte Order :	High numbers in front
Card Number Bytes :	3 bytes (WG26)
Entry and exit categories :	Getting Started
Menu management password :	
Mainframe / Subframe :	Mainframe

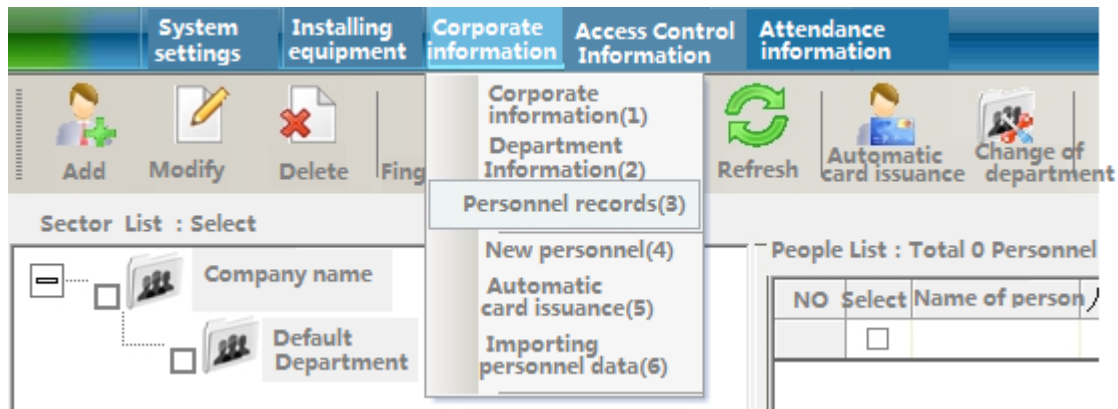
In the [Device Details] screen, select [Communication Parameters] as shown below :



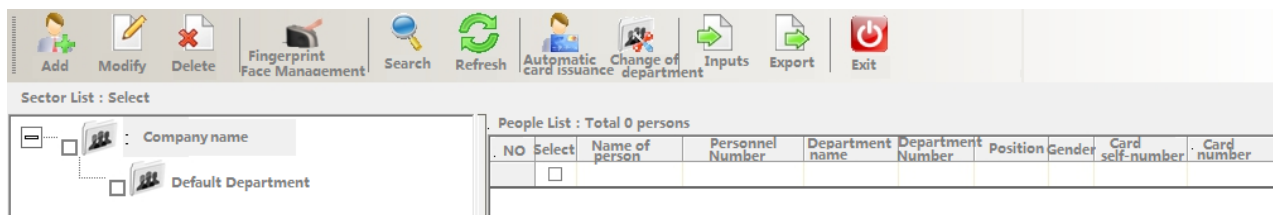
Equipment details	
Basic information	Communication parameters
Newsletter SN	33333322
Device Status	Device online
Communication method <input type="radio"/> RS232/RS485 communication method <input checked="" type="radio"/> TCP/IP local area network communication method <input type="radio"/> Internet WAN communication method	
IP address :	192 . 168 . 1 . 2
Network Port :	8101
<input type="button" value="Test connection"/> <input type="button" value="Modify IP"/> <input type="button" value="Unlock parameters"/>	
<b>Warning: After changing the communication password setting it will be set to the control, please do not forget this password, otherwise you will not be able to connect to the controller!</b>	
Setting the clock Setting the clock: 2020-06-05 13:43           Computer clocks: 2020-06-05 13:43 <input type="button" value="Calibrate time"/>	

Add a face and authorize it

In [Enterprise Information] - > [Personnel Records], as shown below :



Click on the personnel file and go to the following image :



Click the Add Person icon on the toolbar to enter the personnel modification interface, as shown in the following figure

Modified by .... Xiao Ming

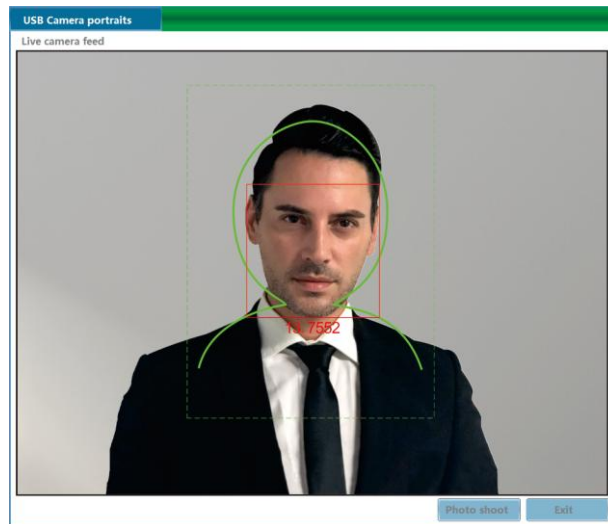
Basic file	Detailed information	Face photo	Fingerprint Management	Access Control Permissions	Consumer account information	OR code	Vehicle information
<div> <div> <b>Basic information</b> <p>Name : <input type="text" value="Xiao Ming"/></p> <p>Card number : <input type="text" value="10001"/> <a href="#">Select</a></p> <p>fingerprints : 0 piece      Face photos : 0 sheet</p> <p><input type="checkbox"/> Other format</p> </div> <div> <b>Other information</b> <p>Personal password : <input type="text"/> <input type="checkbox"/> Enable card and password verification to open the door</p> <p>Personnel number : <input type="text" value="10000"/>      Self-numbered Cards : <input type="text" value="00001"/></p> <p>Ethnicity : <input type="text" value="Han Chinese"/>      Gender : <input type="text" value="Men"/></p> <p>Sector : <input type="text" value="R&amp;D Department"/> :Select</p> <p>Sectors No. : <input type="text" value="1003"/></p> <p>Position : <input type="text" value="Staff"/></p> </div> </div> <div> <b>Photographs of personnel:</b> <div> <p>480×640 Pixels &lt; 3000KB</p> <p><a href="#">Select photo</a> <a href="#">Delete photo</a> <a href="#">Photo shoot</a></p> </div> <div> <input checked="" type="checkbox"/> Attendance           <p>Automatic class sets : <input type="text" value="Regular Classes"/></p> <p>Attendance mode : <input type="text" value="Normal"/></p> </div> </div>							

Save and add people    Obtaining information from ID cards    [Save](#)    [Exit](#)

After you fill in your personal information, please click select photo, add a local computer photo as the person photo, and then click save.

Note: The photo requires a resolution of 480 \* 640 or higher (file size: < 300KB), a clear and unobstructed photo of a person's face (without glasses, mask or hat), and a regular, natural-looking color photo.

You can also external photo equipment (traditional USB computer camera) for direct photo preservation, point "photo" pop-up page as follows. (Note: the face needs to be aligned with the outline of the prompt, the photo button will Display)



Click on the photo, after the photo is completed it will return to the personnel page, edit the information and click on save. Open the door authority authorization, click on the software [access control information] drop-down menu [set open the door authorization]. Click [Set door opening authorization], enter the interface shown below.

Setting access rights

Department name: (All)
Select opening hours: Opening hours(01)
Open the door Number of times: Unlimited
Holiday ban Doors open

Special Permissions: Ordinary door opening card
Expiry date: 2088-12-30 23:59

Note: The number of door openings is calculated according to the controller. In the controller managed by. The door opening count is subtracted from one door exit or entry

Optional personnel: Screening
Number of people listed: 1

Sector	Personnel number	Name of person	Card Number
R&D Department	10000	Xiao Ming	10001

>>
>
<
<<

Optional doors: Screening
Listed Equipment: 1

Equipment name	Mounting position
R&D Department	Default Location

>>
>
<
<<

Add door opening privileges
Remove door opening privileges

Allowing selected persons to pass through selected door
Allow selected persons to pass through selected door, and upload
Prohibit selected persons from passing through selected door
Prohibit selected persons from passing through selected door, and upload

Exit

Select the person who needs to set the access control privileges, select the time period and the number of times to open the door, the validity period, select the device door, after the selection, click [allow the selected person through the selected door, and upload].



Select all "Users" or select all "Optional Doors".



Select a single "user" or select a single "optional door".



Remove a single "selected user" or remove a single "selected door".



Remove all "selected users" or Remove all "selected doors".

【Prohibit the selected person to pass through the selected door】 Delete the selected user's access rights to the selected door, after which the data must be synchronized to the face machine, and the deleted rights this operation can take effect.

【Prohibit the selected person from passing through the selected door and upload】 Delete the selected user's access rights to the selected door, and upload the deletion information to the face machine at the same time.

Allow selected personnel to pass through the selected door] Add the selected user's access rights to the selected door, after which the data must be synchronized to the face machine, and the added rights this operation can take effect.

[Allow selected persons to pass through selected doors and upload] Add selected users' access rights to selected doors, and upload the added information to the face machine at the same time.

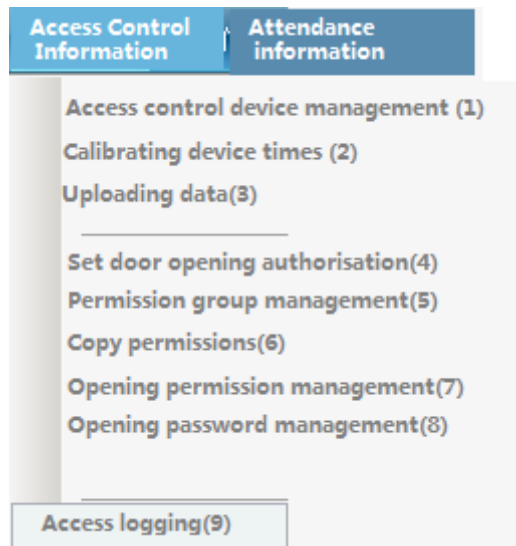
After all permissions are set, upload the information to the face machine before it takes effect.

## Face machine record capture and view

### Face machine record capture

The system comes with memory storage function, and each face machine can store records offline (even if it is not connected to a computer, it will store automatically, and records will never be lost after a power failure.) You can choose the right time to extract the data to the computer.

Click on the software's [Access Control Information] drop-down menu [Capture Access Records], as shown below.



Click [Capture Access Records] to enter the interface shown below.



**Capture of access control records**

Equipment List    Screening ☒ Select /No Select    Restoration of records

Door name	Mounting position
<input checked="" type="checkbox"/> R&D Department	Default Location

Card reading ☒ records    Button ☐ records    Magnetic door ☐ records    System ☒ records    Alarm ☒ records

☐ Remote control records    Capture of all equipment records    Exit

After selecting the face machine and record type to be captured, click [Capture Selected Device Records] to bring up the window shown below.

**Capture of access control records**

Equipment waiting to be operated

Door name	Mounting position	Records
-----------	-------------------	---------

Equipment in communication

Door name	Mounting position	Records	Operation progress
R&D Department	[Default Location]	Card reading records	Number of records kept : 0000 ; Number of records collected:0000
R&D Department	[Default Location]	System records	Number of records kept : 0001 ; Number of records collected:0001
R&D Department	[Default Location]	Alarm records	Number of records kept : 0001 ; Number of records collected:0001

Complete

When the collection is complete, click [Finish].

If operations such as card reading records have been captured before, you can regain all records by 'Repair Records'.

Click the software [access control information] pull-down menu [collection of access records] interface inside the [repair records], pop-up verification window, enter the verification password: 0000 (default administrator password), and then click [OK],pop-up as follows.

Verify password

Operators : SYSTEM

Password : \*\*\*\*

Verify
Exit

Capture of access control records

Equipment waiting to be operated

Door name	Mounting position	Records

Equipment in communication:

Door name	Mounting position	Records	Operation progress
R&D Department	[Default Location]	Alarm records	Records being restored...
R&D Department	[Default Location]	System records	Records being restored...
R&D Department	[Default Location]	Card reading records	Record repair complete, please re-capture

When the repair is complete click [Finish] to return to the collection of access control records interface, select the door to extract the card reading records with the data to be collected, and then click " **Capture of selected equipment records** ", wait a few moments will be collected, at this time the records in the controller were all collected to the computer, as shown in the following figure :

Capture of access control records

Equipment waiting to be operated

Door name	Mounting position	Records
R&D Department	[Default Location]	System records
R&D Department	[Default Location]	Alarm records

Equipment in communication:

Door name	Mounting position	Records	Operation progress
R&D Department	[Default Location]	Card reading records	Records being collected 170/450

Wait until the collection is finished and tap [Finish]. Only after the record is collected, you can work on the query.

## Face machine record view

Please collect the records and then work on the query.

Click on the software menu bar [Access Control Information] pull-down menu [View Access Records], as shown below :

Access Control Information	Attendance information
Access control device management (1)	
Calibrating device times (2)	
Uploading data(3)	
Set door opening authorisation(4)	
Permission group management(5)	
Copy permissions(6)	
Opening permission management(7)	
Opening password management(8)	
Access logging(9)	
View access records(A)	

Click [View Access Records] to enter the interface shown below :

Capture of access control records

Equipment: Screening ☒ Select / No Select

Restoration of records

Door name

Mounting position

☒ R&D Department

[Default Location]

Card reading ☒ records

Button ☐ records

Magnetic door ☐ records

System ☒ records

☒ Alarm records

☐ Remote control records

Capture of all equipment records

Exit

First collect records, click "collect records", after collecting records, you can query according to your needs, enter query conditions, query conditions can be by "time range", "name", "card number", "department", "location" to query the relevant records. "card number", "department", "location" to query the relevant records, and then click "search", then You can also click "Search" directly to inquire about the access of all people, as shown in the following figure :

Capture of access control records

Equipment waiting to be operated

Door name	Mounting position	Records

Equipment in communication

Door name	Mounting position	Records	Operation progress
R&D Department	[Default Location]	Card reading records	Number of records kept : 0000 ; Number of records collected:0000
R&D Department	[Default Location]	System records	Number of records kept : 0001 ; Number of records collected:0001
R&D Department	[Default Location]	Alarm records	Number of records kept : 0001 ; Number of records collected:0001

Complete

You can also export the queried records, click "Export" to export the personnel access records.

## Cloud system using operating instructions to install the face machine

First set the communication parameters of the face machine, select [Communication Settings] under the main menu of the face machine equipment, and further select [Server Settings] to set the corresponding parameters, refer to the settings as shown Below Demonstration.

<

Communication settings

Data monitoring

Prohibition

Server IP

047.092.116.062

Server port

9001

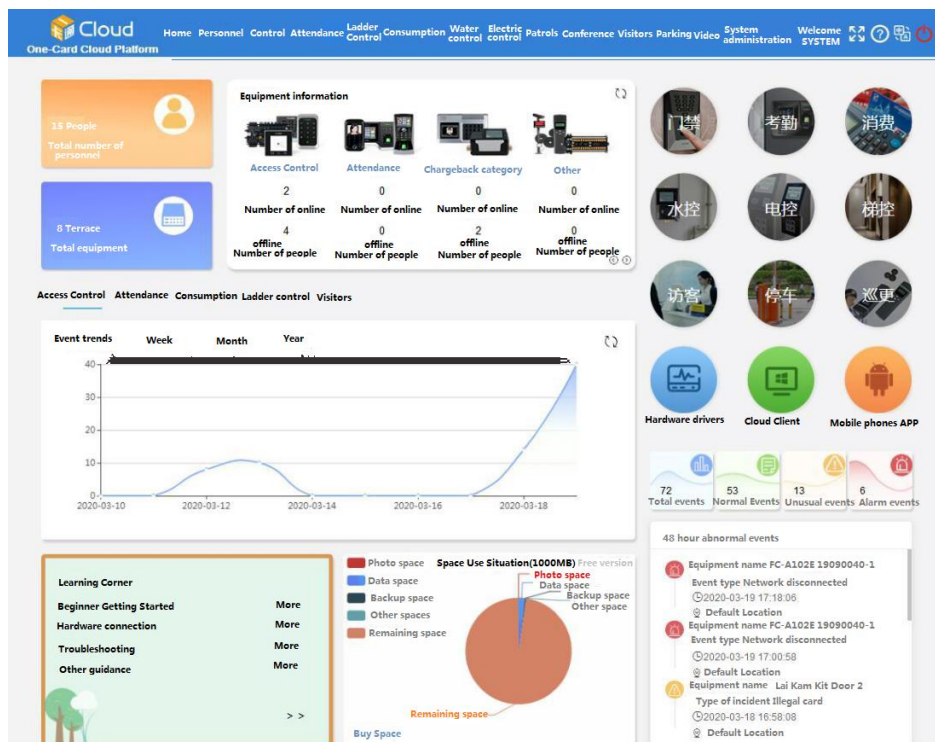
Survival Kit Interval

30 seconds

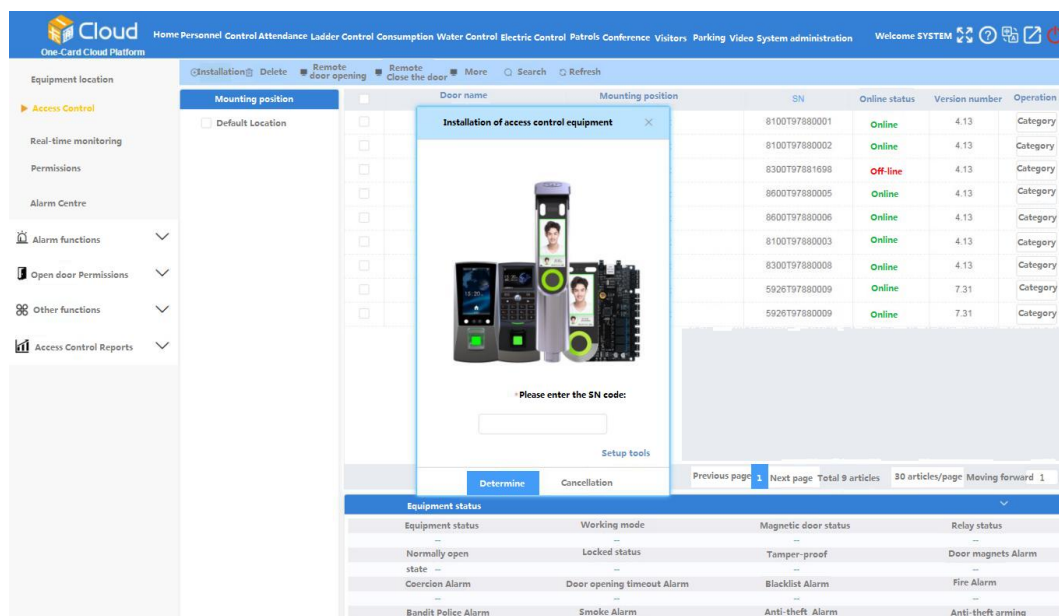
Test connections

After configuring the parameters, point to test the connection, prompt "success", indicating that the connection is normal.

Access Control Cloud.COM, log in to the cloud platform account of a card management platform, as shown in the following figure.



Click on the directory bar of the [Access Control] - [Installation] pop-up interface to enter the SN code to install the device click to confirm, as shown below.



In the installation interface that pops up, the installation interface is shown below, select the location to be installed, select the basic parameters of the device, and then click [Install] in the lower right corner, at this time, the device will be prompted to install successfully.

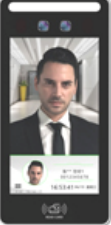
Installation of equipment

Installation in progress

F

Dynamique Visage

Equipment being processed



SN number of the device

F-19090013

Please enter the name of this controller door Mounting position

Default Location

Parameter settings

Card reader bytes 

8 bytes (WG66)

☐ Menu password setting

---

Door opening holding time (sec) 

3

---

☐ Authentication-free door opening

---

Record storage methods 

Store full cycle override storage

---

☐ Change communication password

☐ Installation initialisation

Installation

Cancellation

## Adding People and Authorization

### Adding people

Click [Personnel] - [Add], the pop-up [Add Personnel File] interface to enter the personnel information to be added - click to confirm, as shown in the following figure.

Home Personnel Control Attendance Ladder Control Consumption Water Control Electric Control Patrols Conference Visitors Parking Video System administration

⊕ Add 🔧 Modifications 🗑 Delete 🔄 Sector Mobility 👤 Join Blacklist 📤 Export 📥 Import 🔍 Search 🔄 Refresh ✓ Data retrieval from equipment

List of Departments NO Name of person Vouchers Sector Position Mobile phones

Add Personnel files

Basic information
Other information
Photo ID
Fingerprint management

\*Name of person

☐ NO

Telephone

Password

Country 

No

Position 

No

Card Number

Sector 

Default department

Gender 

Men


Email

Place of origin 

NO

Ethnicity 

NO



Select photo

Photo shoot

No cloud clients launched

ID card reading

Determine

Cancellation

Please download the Cloud Client or Please launch the cloud client

## Personnel authorization

Click [Access Control] - [Permissions Authorization], select the person who needs to set the access control privileges, after the selection, click Next, as shown in the following figure.

[>]: Select "User".

[<]: Remove "Selected Users"

Cloud One-Card Cloud Platform

Home Personnel Control Attendance Ladder Control Consumption Water Control Electric Control Patrols Conference Visitors Parking Video System administration

Welcome

Equipment location

Access Control

Real-time monitoring

Permissions

Alarm Centre

Alarm functions

Access to doors

Other functions

Access Control Reports

Optional personnel: After selecting the person click on the next button to access the optional door equipment

Name	NO	Sector
Chen Xiaoming	10	R&D Department
Zhang Xiaomei	53	Production Department
Fan Xiaomei	87	Marketing Department

Selected personnel: (Selected area means selected, no need to check)

Name	NO	Sector
------	----	--------

No data available at this time

Select all Next step

According to the actual demand, select the parameters such as opening period, number of times to open the door, valid period, door name, installation location, etc., and select the door for authorization, as shown in the following figure.

【Prohibit selected personnel from passing through the selected door】 Remove the access rights of the specified user to the selected door

【Allow selected personnel to pass through the selected door】 Add the access rights of specified users to the selected door

Opening hours : Open Hour No. 1 Open the door Number of times No restrictions Holiday Prohibition Open the door Allowed Open door Special Permissions : Ordinary door opening card

Expiry date : 2030-06-30 23:59:59 Door name : Please enter a name and use a comma for multiple queries Mounting position : Select Search

Optional door

Door name	Mounting position
24-hour automatic identification tester 01	Default Location
R&D Face Machine	Default Location
Technical Department Countertop Face Machine	Default Location
Company gate demonstrator face column machine 01	Default Location
Company gate demonstrator face column machine 02	Default Location
24-hour automatic identification tester 03	Default Location
Meeting room door face machines	Default Location
R & D countertop access panel - entry	Default Location
R&D counter top access panel - out	Default Location
F-19090013-1	Default Location

Selected door : Selected area means selected, no checkbox required

Door name	Mounting position
-----------	-------------------

No data available at this time

Previous step Allowing selected persons to pass through selected doors Prohibit selected persons from passing through selected doors

## Record View

Click [Access Control] - [Access Control Report] to select the records you need to view or export, including access control access records, access control alarm records, and access control system records. Click the search button to filter the records of the face machines that need to be viewed as required, as shown in the following figure.

Click the Export button to the left of the Search button to export an EXCEL table of the desired records.

The screenshot displays the 'Access Control Reports' section of the 'Cloud One-Card Cloud Platform'. The interface includes a sidebar with navigation options and a main area with search filters and a table of records.

**Search Filters:**

- Door name:
- Mounting position:
- Start time:  To
- Simple Search

**Table of Records:**

Name of person	Personnel number	Site photos	Card Number	Sector	Door position	Door name	Event time	Event Type	In/Out Type
Chen Xiao Ming	10		61006535	R&D Department	Default Location	24 hours Automatic identification Test Machine 03	2020-06-05 17:12:50	Face Verification	Getting Started
Zhang Xiaomei	53		61006535	Production Department	Default Location	24 hours Automatic identification Test Machine 03	2020-06-05 17:12:49	Face Verification	Getting Started
Fan Xiao Mei	87		61006535	Marketing Department	Default Location	24 hours Automatic identification Test Machine 03	2020-06-05 17:12:48	Face Verification	Getting Started