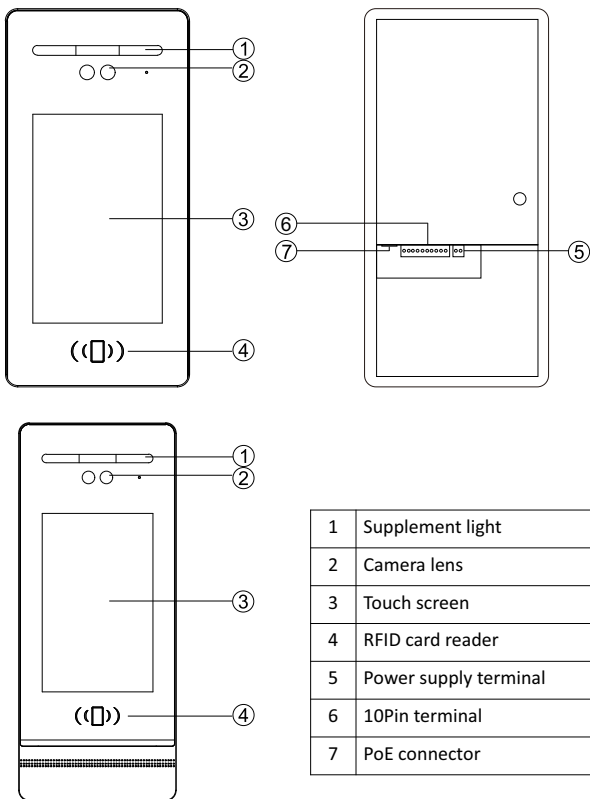


OPERATION INSTRUCTION

IP Video Intercom

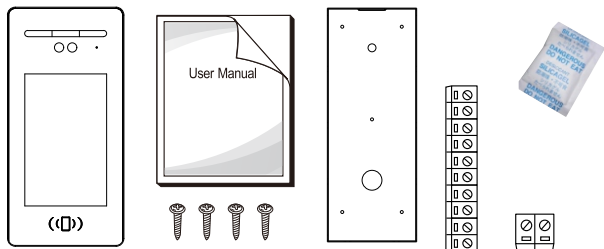
FACY

1. APPEARANCE



1	Supplement light
2	Camera lens
3	Touch screen
4	RFID card reader
5	Power supply terminal
6	10Pin terminal
7	PoE connector

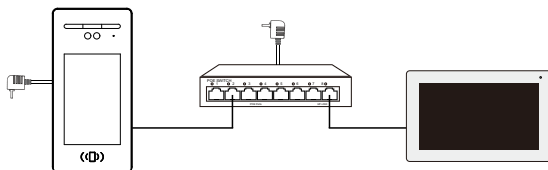
2. ACCESSORIES



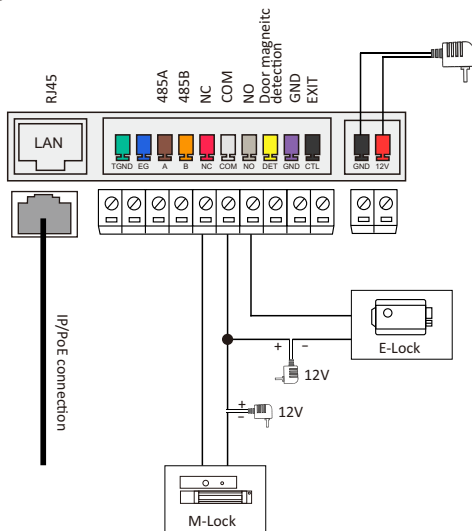
- Face recognition outdoor station 1pcs
- 10Pin terminal 1pcs
- 2Pin terminal 1pcs
- Desiccant bag 1pcs
- Screw 4pcs
- Embedded box 1pcs
- Manual Instruction 1pcs

3. WIRE DIAGRAM

1. System wiring diagram



2. Lock diagram



4. SPECIFICATION

Type	8"/10" Face recognize outdoor station
Face recognize capacity	Max 5000pcs
Supplement light	White LED +infrared light turn on meanwhile
Video compression standard	H.264
Sensor	Touch screen
Product Material	Aluminium+Acrylic
Operation system	LINUX
Noise reduction	3D noise reduction
Video Frame rate	1920x1080P; 720P
Audio intercom mode	Full Duplex
Exit button	Support (2pcs, Lock & Gate)
Door contact input	Support (2pcs, Lock & Gate)
Tamper alarm	Support
Network surface	10M/100M/1000M adaptive switch board
LOCK	NC(Max AC 125V 0.5A/DC 30V 2A) NO(Max AC 125V 0.5A/DC 30V 2A)
Power Supply	DC15V ,2A
Installation	Surface
Working Temperature	-40°C~+65°C (-22°F~+149°F)
Working Humidity	10%RH~90%RH(non-condensing)
Cable	Cat5/Cat6
Protection grade	Ik07; IP55
Product Size	8": 360*150*33mm 10": 340*190*37.5mm
Reset	By firmware
RFID	Yes, IC card(Mifare card, 13.56Mhz), max 2000pcs
NFC function	Yes
Human body sensing	Support
Door magnetic alarm	Support

5. COMMUNICATION OPERATION GUIDE

1. Visitor Call Operation Guide



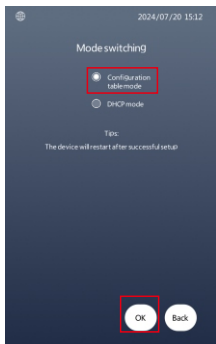
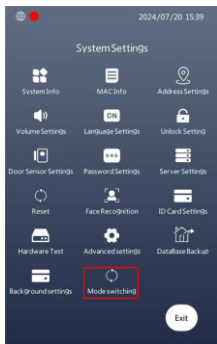
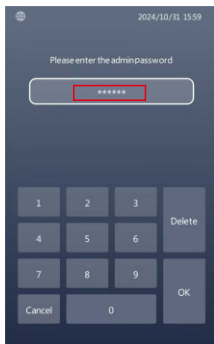
NOTE:

Before using the outdoor station, please make sure the system mode is same as the indoor monitors ; and Set the IP address of the outdoor station before start using it with the indoor monitors:

Step1: Switch system mode+set IP address

Switch to Configuration mode:

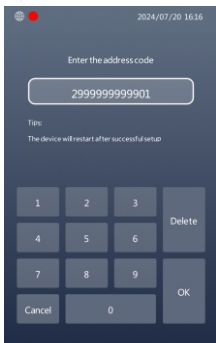
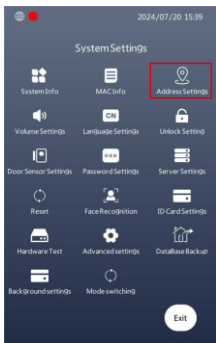
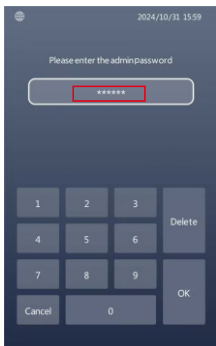
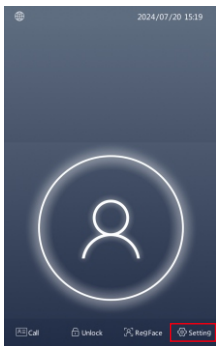
1). Input password 666666--mode switching--choose configuration mode--OK, wait for reboot.



2). Address setting

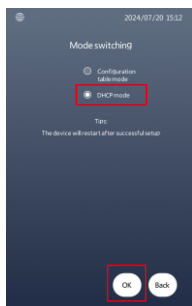
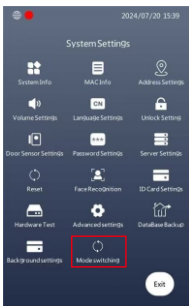
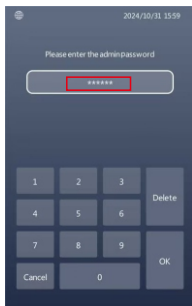
Room number composition rule: It consists of 13 digits. The first one is the machine attribute (2 is the outdoor station of the unit, 7 is the wall mounted machine).

Room number composition: Attribute (1 digit)+District (2 digits)+Building (2 digits)+Unit (2 digits)+Floor (2 digits)+Room (2 digits)+Extension (2 digits).



Switch to DHCP mode:

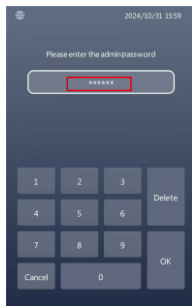
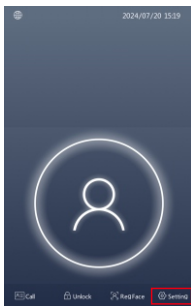
1). Input password 666666--mode switching--choose DHCP mode--OK, wait for reboot.

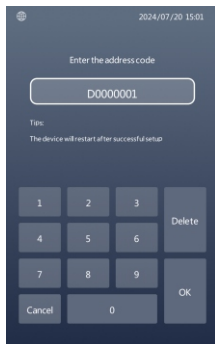
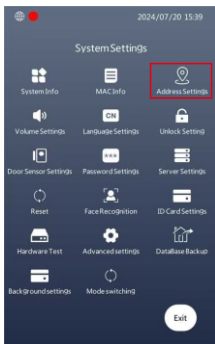


2). Address setting.

Setting--666666-- choose address settings--outdoor station attribute letter D and the default room number 0000001, Then can change outdoor station room number to 00-99.

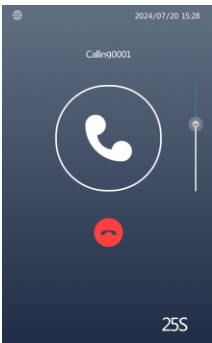
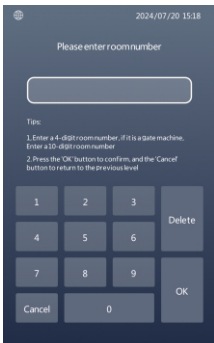
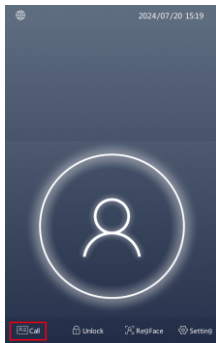
Setting--666666-- choose address settings--outdoor station attribute letter D and the default room number 0000001, Then can change outdoor station room number to 00-99.





Step3: Calling to indoor monitor

Choose Call--Input room number

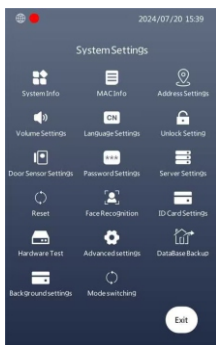


6. SYSTEM MENU SETTING OPERATION GUIDE

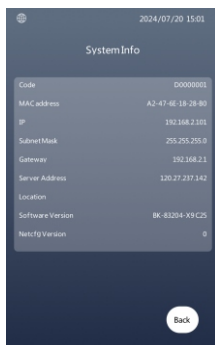
Click on the settings button in the bottom right corner of the homepage--enter the administrator password (default password: 666666) to enter the system settings menu. The system menu includes: system info, MAC info, address settings, volume settings, voice settings, unlock settings, door sensor settings, password settings, server settings, reset, face recognition, ID card settings, hardware test, advanced settings, database backup, background settings, mode switching. (pic 01)

1. Check system information

Click the settings button in the bottom right corner of the homepage --Enter the administrator password (default password: 666666) to enter the system settings menu – Click on system information --System information mainly includes: code, MAC address, IP, Subnet Mask, Gateway, Server Address, Location, Software Version, Netcfg Version, the interface is show as pic 02.



pic 01



pic 02

2. Volume setting

Click on the progress bar and swipe left or right to set the following volumes respectively. Click confirm to save the settings, or click cancel to not save. (pic 03)

Ringtone volume (default 60, adjustable range 0-100).

Call volume (default 60, adjustable range 0-100).

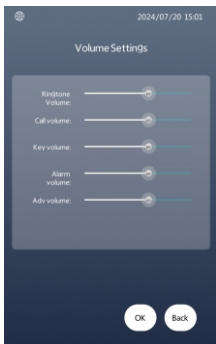
Button volume (default 60, adjustable range 0-100).

Alarm volume (default 60, adjustable range 0-100).

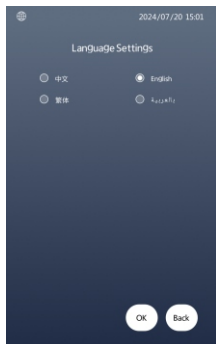
Advertising volume (default 60, adjustable range 0-100).

3. Language settings

Including: Chinese, English, Traditional Chinese, Arabic. Click on any language and click OK to switch languages successfully.



pic 03



pic 04

4. Unlock settings

The unlocking methods include: power-off unlocking and power on unlocking (default power on unlocking). (pic 05)

The default unlocking time is 1 second (adjustable range 1-99 seconds).



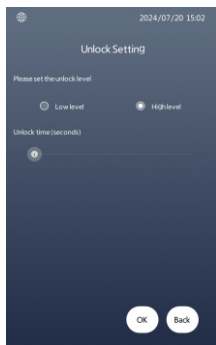
NOTE:

Unlocking settings are more practical for setting lock types.

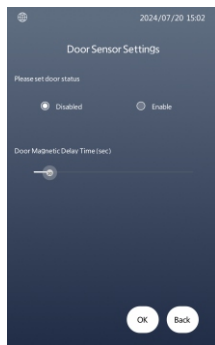
5. Door status setting

The default door magnet is disabled. When the door magnet is enabled and triggered,

the face recognition outdoor station will send an alarm to the computer management neutral. The door magnetic delay defaults to 10 seconds and can be set within a range of 1-99 seconds. Click confirm settings to save, click cancel settings to not save.(pic 06)



pic 05



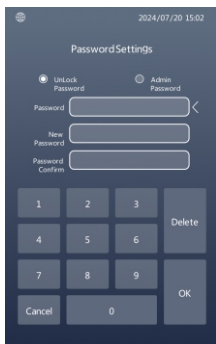
pic 06

6. Password setting

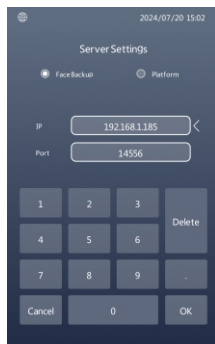
Including changing the public unlock password and changing the administrator password. Select any password that needs to be changed as shown in the picture, enter the old password such as the old public unlock password of 668899 (default public unlock password is 668899), enter the new password of 654321, and confirm the new password of 654321. Click confirm, the outdoor station prompts that the password has been successfully changed. (pic 07)

7. Server settings

This function is used to set the face backup address and set the WeChat mini program platform linkage. (pic 08)



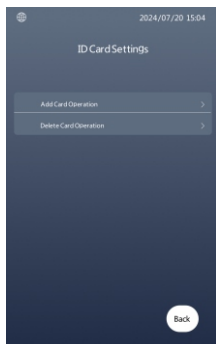
pic 07



pic 08

8. ID card settings

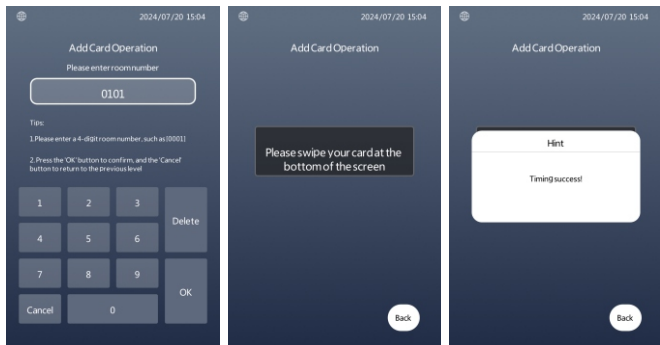
This function including add card + delect card. (pic 09)



pic 09

8.1 Add card operation

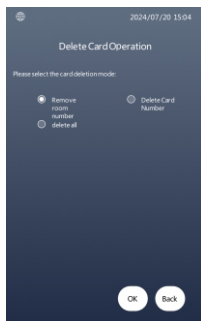
Enter the card adding page, enter the room number for adding the card, such as Room 0001, and click confirm to enter the card adding state. Place the unregistered card near the card counting module and hear two beeps from the outdoor station. The outdoor station will prompt that the card has been successfully added and return to the home page of the outdoor station to swipe the card. The outdoor station will unlock successfully. Repeat the above steps to add multiple cards (the capacity range of the IC card is based on the actual capacity of the outdoor station, which is 2000). When there is no operation in the card adding mode, it will automatically exit the card adding mode after exceeding the dormand. (pic 10)



pic 10

8.2 Delete card operation

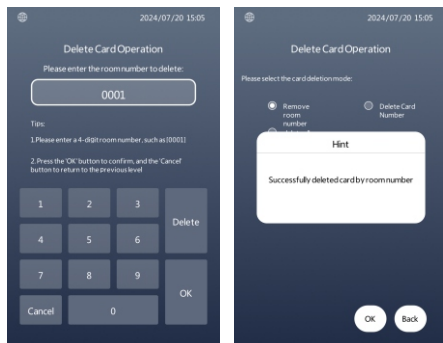
The card deletion module includes room number deletion, card number deletion, and all deletion. (pic 11)



pic 11

8.2.1 Delete card with room number

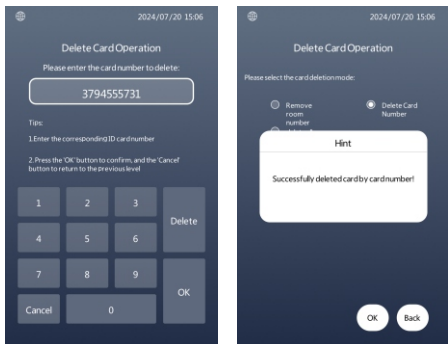
This function refers to delete all cards for this room number based on the room number. Select the room number to delete and click confirm. Enter the room number, such as 0001, and click confirm to delete all IC cards for this room. The door machine will prompt that the card has been successfully deleted according to the room number and automatically return to the previous step. Returning to the homepage, the card swiping machine at the entrance prompts an illegal card, and the deleted card cannot be unlocked. Click cancel to exit the operation and return to the previous step.(pic 12)



pic 12

8.2.2 Delete card with card number

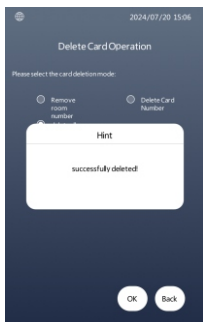
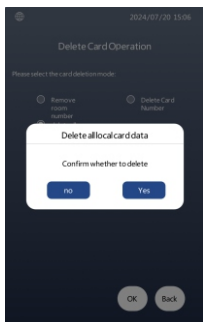
This function is used to delete a specified IC card. Select the card number to delete, click OK to enter the card deletion operation page. Place the IC card to be cancelled near the card swiping module and hear two beeps from the door machine. The input box displays the card number. Click OK to delete the IC card. The outdoor station prompts that the card has been successfully deleted according to the card number and automatically returns to the previous level. Returning to the homepage, the card swiping machine at the entrance prompts an illegal card, and the deleted card cannot be unlocked. Click cancel to exit the operation and return to the previous level.(pic 13)



pic 13

8.2.3 Delete all cards

This function is used to delete all system cards at once. Select "Delete All", click "Confirm", and the outdoor station will prompt "Confirm whether to delete". Click "Yes", and the outdoor station will prompt "Delete successfully". Returning to the homepage, the card swiping machine at the entrance prompts an illegal card, and the deleted card cannot be unlocked. Click 'No' to cancel the deletion operation. (pic 14)



pic 14

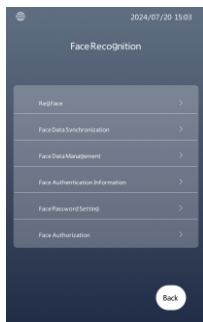
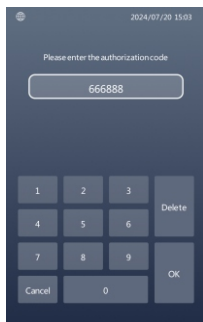
9. Face recognition management



NOTE:

Before setting up the face recognition function, first set up the ID card operation.
View: System Menu Settings Operation Guide 7.

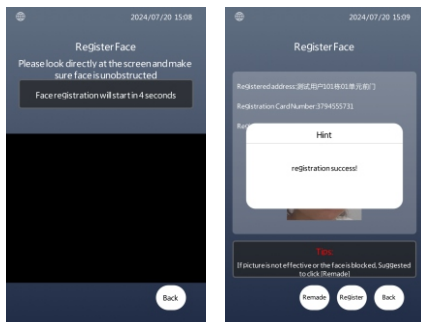
Enter authorization code 666888 for successful authorization. Enter the face settings menu, which includes: FaceRecognition, face data synchronization, face data management, face authentication information, face password setting, face authorization. (pic 15)



pic 15

9.1 Face registration

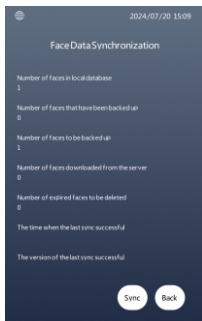
Click on the face registration button to enter the registration mode. Place the registered IC card near the card swiping module and hear the beep sound. The outdoor station will enter the face registration page and complete the face registration photo capture according to the instructions of the outdoor station. The capture is successful. Click on the registration button, and after the capture is successful, click on "Register" to proceed with the automatic registration process. After successful registration, a pop-up window will prompt "Face Registration Successful". If registration fails, the pop-up window will prompt "Face Registration Failed"; Click [retake] to retake the facial photo; Click [Return] to return to the main interface. (pic 16)



pic 16

9.2 Face data synchronization

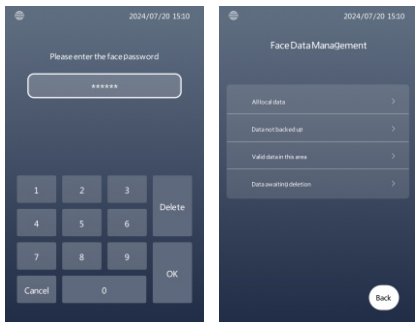
Can view the synchronization information of facial data, and click "Sync" to synchronize facial data from the server in real-time. (pic 17)



pic 17

9.3 Face data management

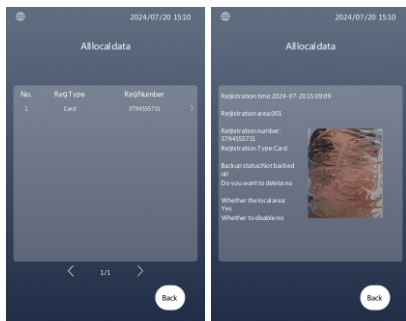
Click on Face Data Management and enter the face password 123456 to view all local face data (specific faces can be deleted), unsupported data, valid data in this area, and data waiting to be deleted. All face data can be deleted. (pic 18)



pic 18

9.3.1 All local data

Can view all ID cards that have added facial data and data details. (pic 19)



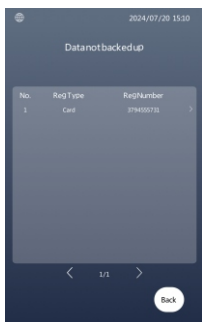
pic 19

9.3.2 Check not backup datas

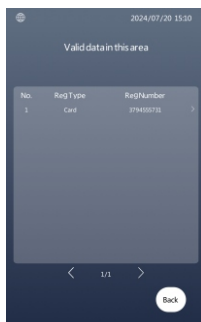
Can see the face information data that has been added locally but not backed up. (pic 20)

9.3.3 Valid data in this area

The successful addition and effective information of face registration can be viewed here. When the facial information of the IC card is deleted, the IC card becomes invalid, and the invalid facial information will be automatically deleted from the valid data list. (pic 21)



pic 20



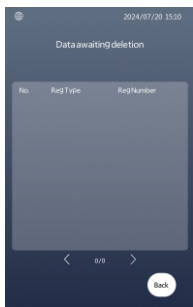
pic 21

9.3.4 Data awaiting deletion

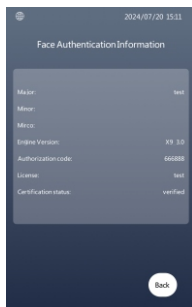
Can view the deleted facial information data of the IC card. Waiting for facial information to be deleted, unable to unlock through facial recognition again.(pic 22)

9.4 Face authentication information

Can view face authentication information and status.(pic 23)



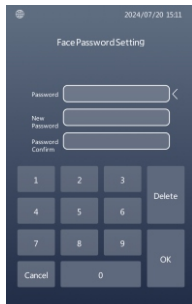
pic 22



pic 23

9.5 Face password setting

Enter the old password (default 123456), the new password, and then confirm the new password again.(pic 24)



pic 24

9.6 Face authorization

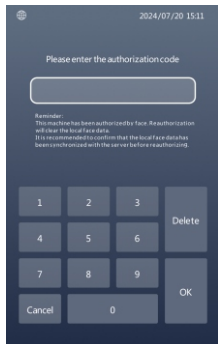
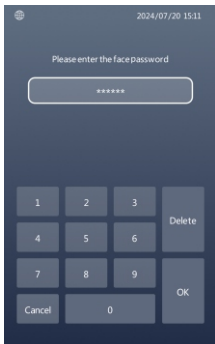
Enter the face password (default face password 123456), and then enter the face authorization code for face authorization.

Face recognition function can only be used after authorization. Click Cancel to return to the superior.(pic 25)



NOTE:

If there is already an authorization record on this outdoor station, re authorization will clear the locally added face data. Please operate with caution.



pic 25

10. Advanced Settings

Please note that all settings for this feature must be confirmed before saving.

Advanced settings include: hanging up the call after intercom unlocking, face recognition, unlock, FaceRecognition, video circular preview, biopsy detection, human sense triggered facial recognition, tamper proof, save log, call, public password unlocking, calling security machine, call the management center first and then the security machine, one card one face, registration of faces or applets for cardless users, adv play, visitor call list, call list whole, call letter button, QR code reverse scanning, fill light switch, three digit room number call, video number size setting, ringing time setting, call time setting, sleep time setting. (pic 26)



pic 26

10.1 After unlocking the intercom, hang up the call

By default, it is turned off. During calls, conversations, and intercoms between the door unit and indoor monitor, the door unit will unlock. If the unlock is successful, the call will automatically hang up.

10.2 Face recognition

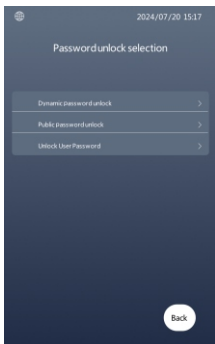
By default, it is enabled. After enabling it, click on the icon on the homepage to enter the face recognition mode. When the device enters a face, it can unlock the lock with a face.

10.3 Password unlocking

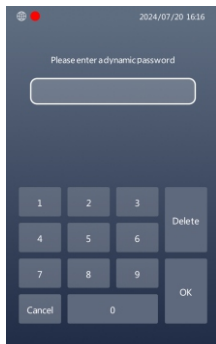
By default, it is turned off. After clicking it, you can return to the homepage and see the password unlock button. Click the password unlock button to support dynamic password unlocking, public password unlocking, and user password unlocking. (pic 27)

10.3.1 Dynamic password unlocking (requires indoor unit to support dynamic password unlocking function)

Click on the dynamic password, enter the indoor unit dynamic password command, and click confirm that outdoor station unlocked successfully. (pic 28)



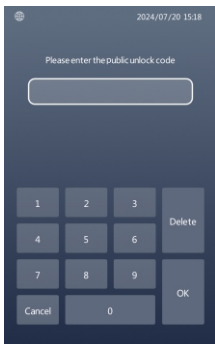
pic 27



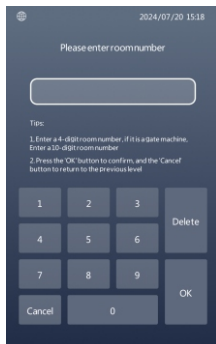
pic 28

10.3.2 Public password unlocking

Click on the public password to unlock, enter the public unlock password to unlock (default public unlock password 668899). (pic 29)



pic 29



pic 30

10.3.3 User password unlock (this function is only supported by the configuration table, DHCP is not developed)

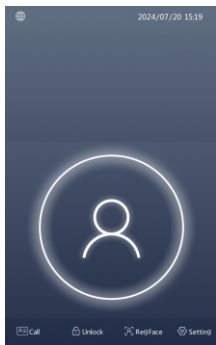
Click on the user password to unlock, enter the indoor unit room number + indoor monitor user password (the user password is the disarm password (Note: the disarm password is invalid when it is the default password 123456, and the user password cannot be used to unlock. It must be modified to take effect)). (pic 30)

10.4 Face Registration

It is turned on by default. When turned off and you return to the home page, the face recognition icon becomes a call icon, face recognition is disabled, and you cannot use face recognition to unlock the door.

10.5 Video circular preview

Turned off by default, click to turn on and return to the home page, the face recognition range becomes circular. (pic 31)



pic 31

10.6 Liveness detection

This function is enabled by default. (Note: this function must be used when face recognition is enabled) Only human bodies with life features can use face unlocking. Click to disable and non-living images can also be used for face unlocking.

10.7 Human sense triggered facial recognition

The default setting is off. Click to enable the automatic screen light function when the human body approaches the outdoor station in standby mode.

10.8 Tamper Alarm

It is turn off by default. Click to turn on it. When the outdoor station is removed, the outdoor station will send an alarm to the computer management center.

10.9 Save log

Disabled by default, this feature is for developers only.

10.10 Visitor Call

Enabled by default. Click to disable it. Return to the home page and click visitor call. The outdoor station will prompt that the visitor call is disabled. (After it is disabled, the outdoor station cannot make calls.)

10.11 Public password unlocking

Enabled by default. After it is enabled, click on the password unlock on the home page to unlock with dynamic password, public unlock, or user password. If it is disabled, the unlock function is disabled.

10.12 Calling security machine

Enabled by default. can enter 888/1000 to call the security machine on the customer call page. If it is disabled, the call management center will be disabled.

10.13 Call the management center first and then the security machine

Disabled by default. When off, call the security machine first. The security machine will ring first. Call the management center first. Click to turn it on. Click the call button on the home page and enter 888/1000 to call. The computer management center will first prompt the incoming call. If the computer management center does not answer, it will call the security machine.

10.14 One card can only register one face

It is turned off by default. When it is turned off, multiple faces can be registered on one card. Click to turn on it to add only one face on one IC card.

10.15 Cardless user registration or applet (only for wall-mounted machines)

Default off.

10.16 Advertisement play(only used in configuration table mode)

Turned off by default, click to turn on, when the computer management center sends an advertisement, the outdoor station will automatically play the advertisement in standby mode.

10.17 Visitor call list

It is turned off by default. Import the call list file  household.txt into the outdoor station. Click to turn on the visitor call list. Return to the home page and click return to customer call to see the imported visitor list information. Click any online device to make an intercom call, etc. (pic 32)



NOTE:

The file list SD card must be inserted into the door at all times. The list will not be saved if the SD card is removed.)

10.18 Call list whole

Turned off by default, only the user name is displayed when closed; click to turn on, the call list will be fully displayed including the serial number, user name and room number. (pic 33)



pic 32



pic 33

10.19 Call letter button

Turned off by default. Click to turn on it. When not in the call list state, click to call a customer to see the call visitor page. The keyboard can enter ABC letters.

10.20 QR code reverse scanning

Turned off by default, click to turn on the outdoor station camera to reverse scan the QR code.

10.21 Supplement light

Enabled by default. Click to disable and the fill light will not be triggered in any state.

10.22 Three digit room number call

Enabled by default.

When DHCP mode is off: only supports calling 0101 type room number, not 0001 type room number.

Configuration table mode: When the configuration table room number is two digits, be sure to turn off this function, otherwise the outdoor station and indoor station will not be able to communicate.

10.23 Video streaming

Change the video encoding size including 640*480, 1024*600, 1280*720.

10.24 Ringing time setting

The default setting is 30 seconds and the range can be set from 10 to 60 seconds. It is used to set the ringing time of the outdoor phone calling the indoor phone.

10.25 Call time setting

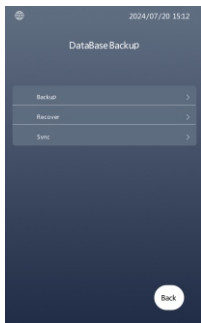
The default call duration is 30 seconds and the setting range is 10-120 seconds. It is used to set the call duration after the indoor monitor answers the call.

10.26 Dormand time setting

The default dormand time is 30 seconds, and the setting range is 10-300 seconds.

11. Data base backup

Click Data Sync Backup to enter the settings page, where can back up data, restore data, and synchronize data. (pic 34)



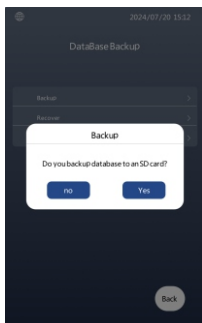
pic 34

11.1 Backup

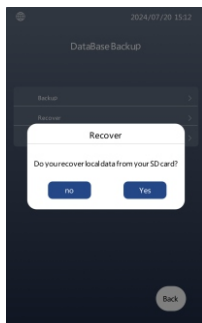
Click Confirm Backup to back up the outdoor station local database to the SD card. (pic 35)

11.2 Recover Data

Click confirm to restore the data in the SD card to the local data of the outdoor station. (pic 36)



pic 35



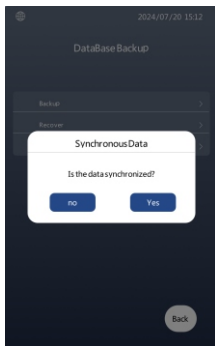
pic 36

11.3 Synchronize data (only used in configuration table mode)

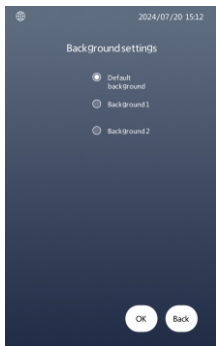
Link with the computer management center to synchronize local data to the management center. (pic 37)

12. Background Settings

Click Background Settings to see the default background, background 1, and background 2. Select any background and click Confirm to successfully switch the background. (pic 38)



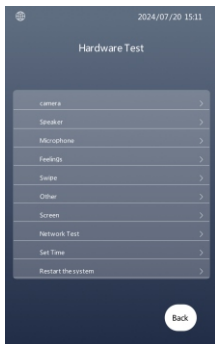
pic 37



pic 38

13. Hardware Testing

Hardware test functions mainly include: camera, speaker, microphone, feelings, swipe, relay, network port, door magnet, anti-tampering, screen test, network test, restart system, automatic test mode, aging test mode. (pic 39)



pic 39

Functional Description

- 1). Camera: Check whether the camera is normal and whether it can shoot normally;
-Internal information, please keep it confidential-.
- 2). Speaker: Check whether the speaker is sounding normally.
- 3). Microphone: record and play to check whether the microphone is working properly.
- 4). Feelings: Check whether feeling can be detected.
- 5). Card swiping: Check whether the card can be read and display the card number.
- 6). Others: Check the relay, network port status and door sensor status.
- 7). Screen: Check the screen color.
- 8). Network test: check whether the network is normal.
- 9). Restart system: Restart the system immediately.
- 10). Enter test mode: Restart immediately, and automatically enter test mode after restart.

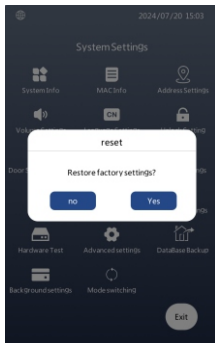
14. Restore factory settings

Click Restore Factory Settings and click Confirm. The outdoor station will enter the factory reset state. (pic 40)



NOTE:

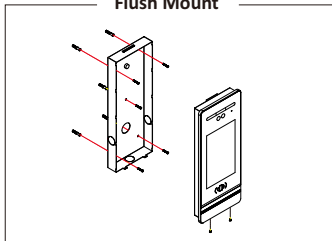
This function will restore the outdoor station to the default state. Please operate with caution.



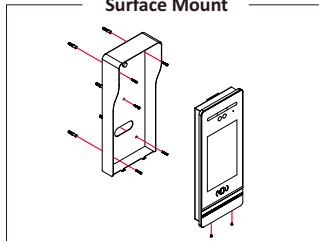
pic 40

7. INSTALLATION DRAWING

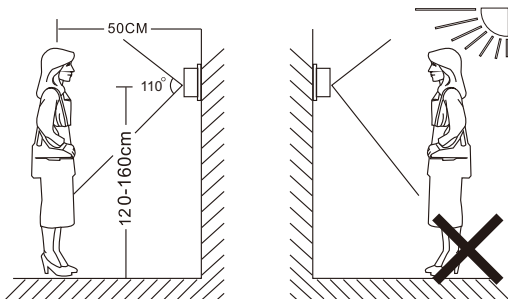
Flush Mount



Surface Mount



8. INSTALLATION PROCESS OF DOOR STATION



NOTE:

- Avoid installation of the device near strong radiation e.g. AC motor and lift.
- Maintenance should be complied with qualified technician.
- Avoid hard shake, beating and collision, otherwise the internal exact components maybe be damaged.
- Do not expose the outdoor camera under strong light or sunshine.
- Do not install the outdoor camera in the environment e.g. direct sunlight, contact rain, high temperature, high humidity, full of dust and chemistry corrosive.
- Select the most suitable position where the camera is located at user's eye level.
- Switch off power supply before installation.
- Keep more than 30cm away from AC power supply to avoid external interference.
- Keep it away from the water and magnetic field.