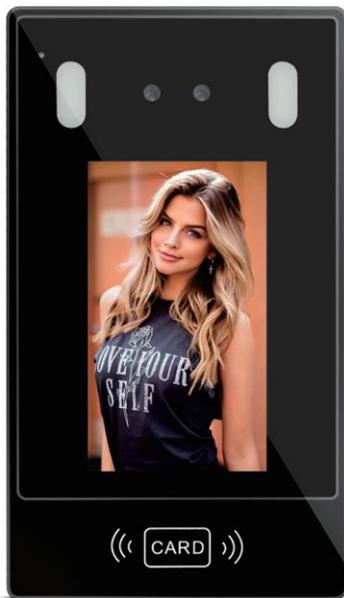


User Manual

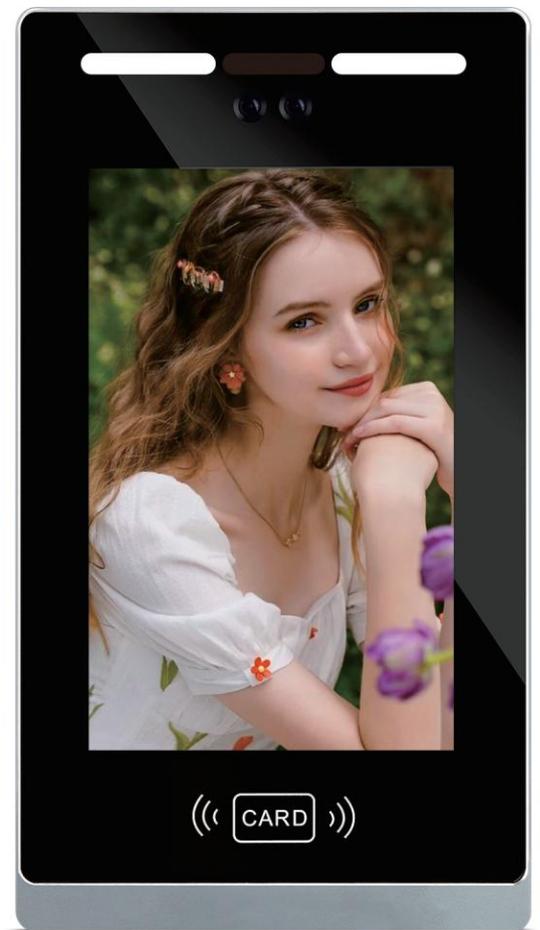
IP Apartment Outdoor Station (IP Series)



5 Inches



8 Inches

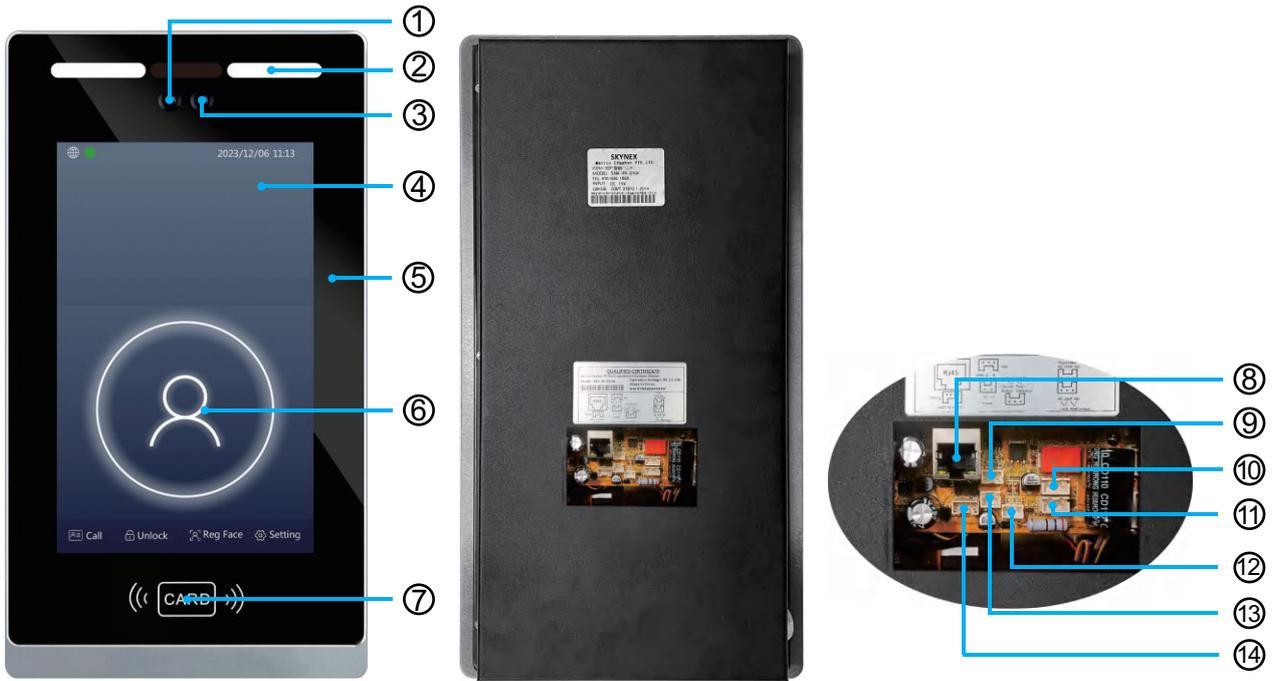


10.1 Inches

Before using this product, read the Quick Guide carefully and save it for future reference V3.0.

Front and Back Introduction

10.1 Inches Outdoor Station



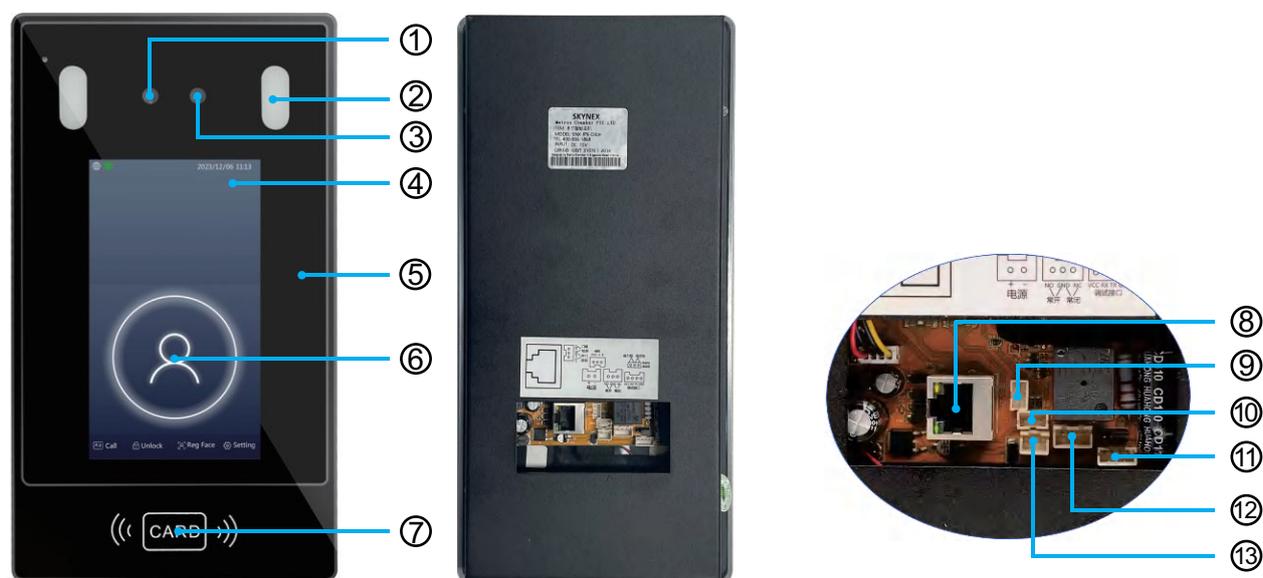
- | | | |
|-------------------------|---------------------------------|--------------------|
| ① Infrared Compensation | ② LED | ③ HD Camera |
| ④ 10.1-inch TFT LCD | ⑤ Aluminum Alloy Shell Material | ⑥ Face Recognition |
| ⑦ IC/ID Card Swiping | ⑧ RJ45 | ⑨ RS485 /GND A B |
| ⑩ NC COM NO | ⑪ NC GND NO | ⑫ CTL GND DET |
| ⑬ Power/ + - | ⑭ GND TX RX VCC | |

8 Inches Outdoor Station



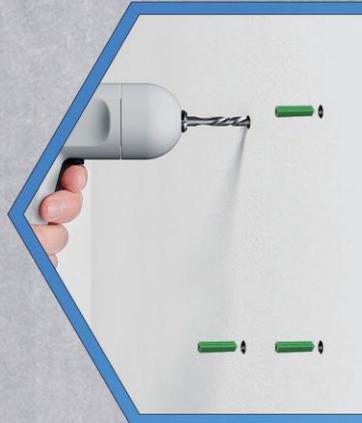
- | | | |
|-------------------------|---------------------------------|--------------------|
| ① Infrared Compensation | ② LED | ③ HD Camera |
| ④ 8-inch TFT LCD | ⑤ Aluminum Alloy Shell Material | ⑥ Face Recognition |
| ⑦ IC/ID Card Swiping | ⑧ RJ45 | ⑨ RS485 /GND A B |
| ⑩ NC COM NO | ⑪ NC GND NO | ⑫ CTL GND DET |
| ⑬ Power/ + - | ⑭ GND TX RX VCC | |

5 Inches Outdoor Station



- | | | |
|-------------------------|---------------------------------|-----------------------------|
| ① Infrared Compensation | ② LED | ③ HD Camera |
| ④ 5-inch TFT LCD | ⑤ Aluminum Alloy Shell Material | ⑥ Face Recognition |
| ⑦ IC/ID Card Swiping | ⑧ RJ45 | ⑨ Door Detector Exit Button |
| ⑩ Rs485 / GND A B | ⑪ DEBUG/VCC/RX/TX/GND | ⑫ NO GND NC |
| ⑬ Power/+ - | | |

Outdoor Station Installation



Drilling

Drill screw holes at proper location for wall mounting plate.



Fix wall mounting plate

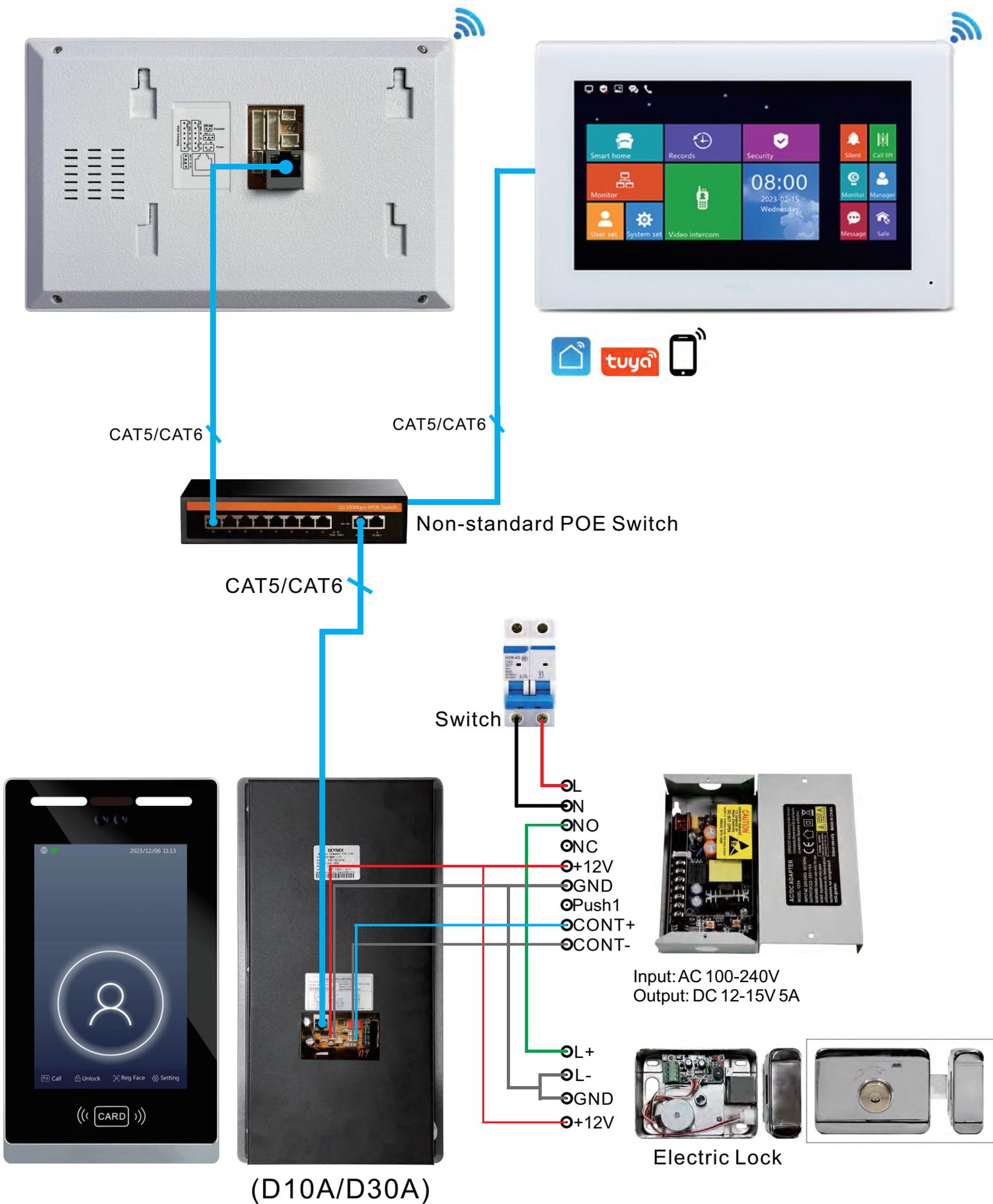
Fix the wall mounting plate to the wall with 4 screws.



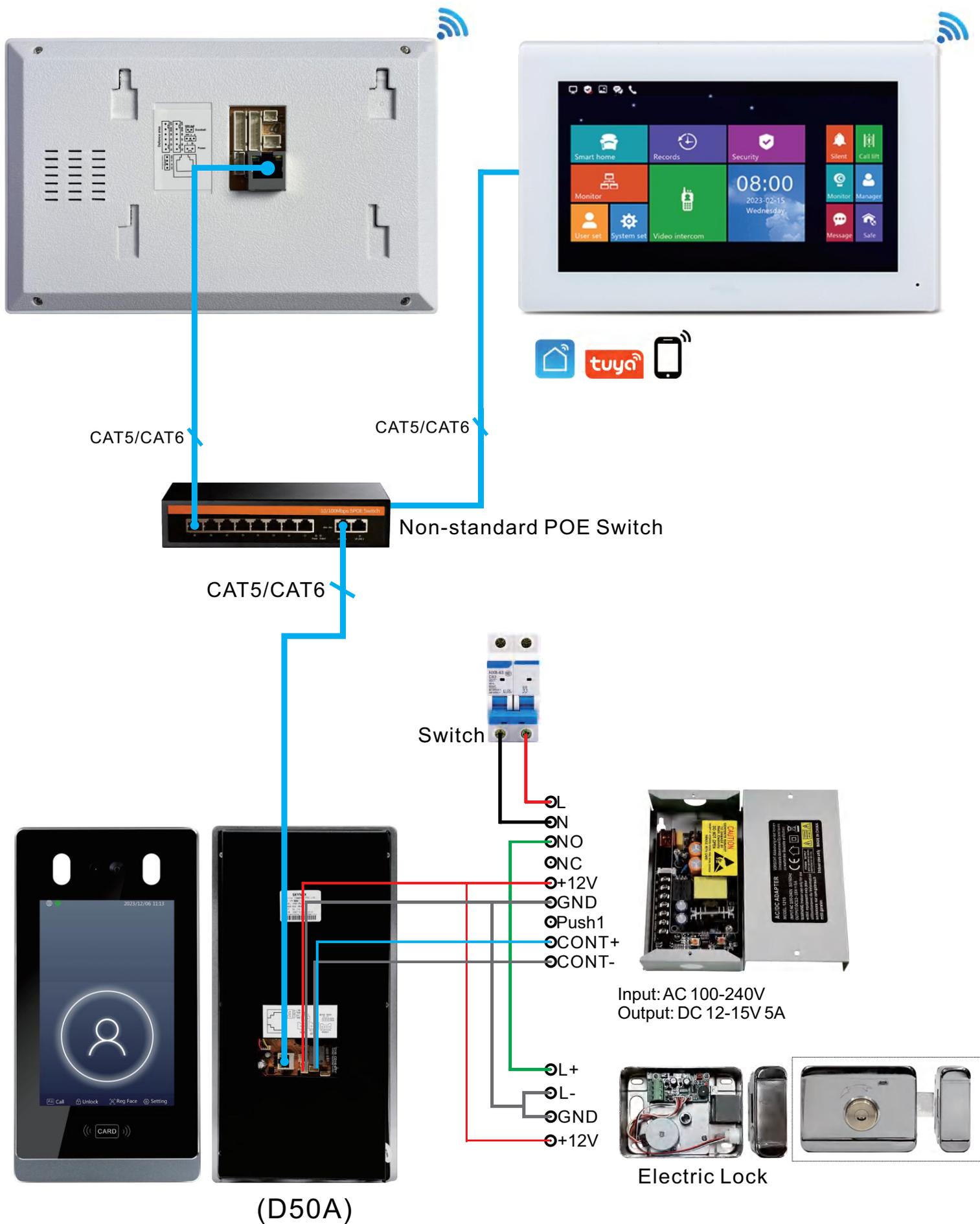
Install outdoor station

Insert the outdoor station to the plate and fix it with 2 screws

Wiring Diagram(1 to 1) (Ethernet Cable)

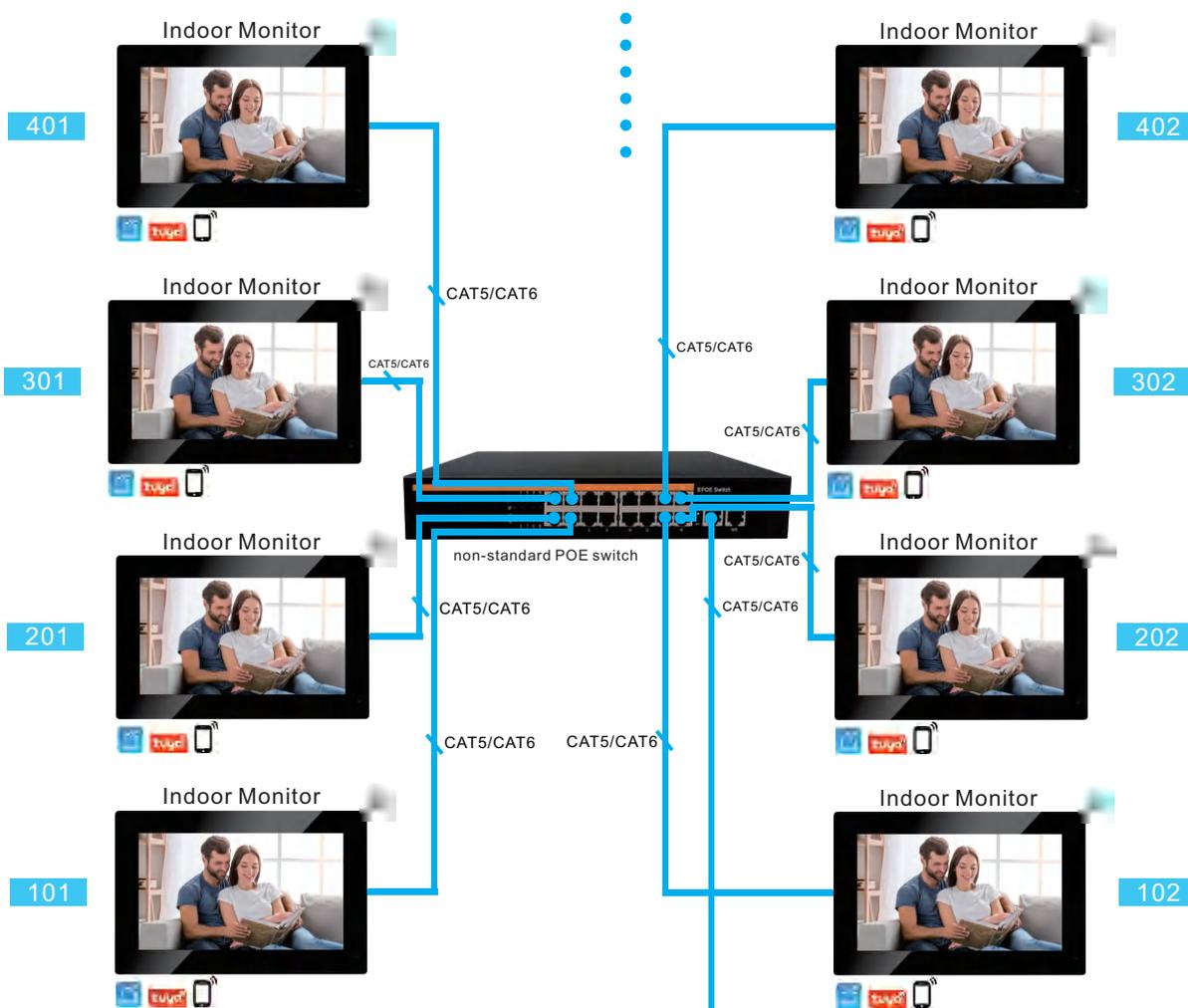


Wiring Diagram(1 to 1) (Ethernet Cable)



Local LAN Networking Diagram (1 ~ 9999 Monitors)

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

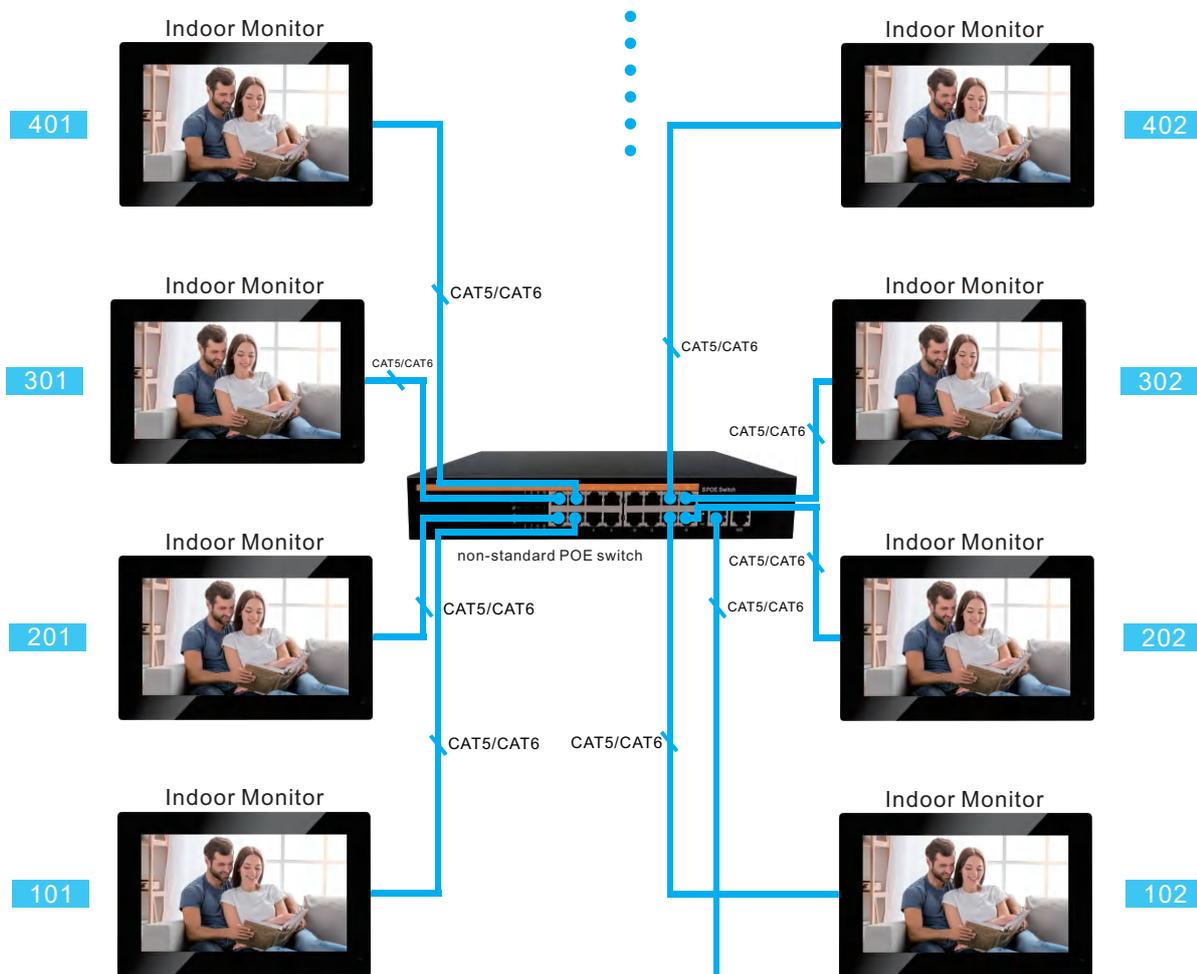


- network cable CAT5/CAT6 main line in unit
- 4 wires(RVV 4×1.0) outdoor station to power
- 2 wires(RVV 2×1.0) lock to power
- 2 wires(RVV 2×1.0) exit button to power

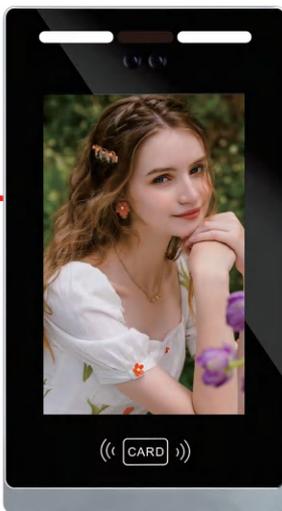
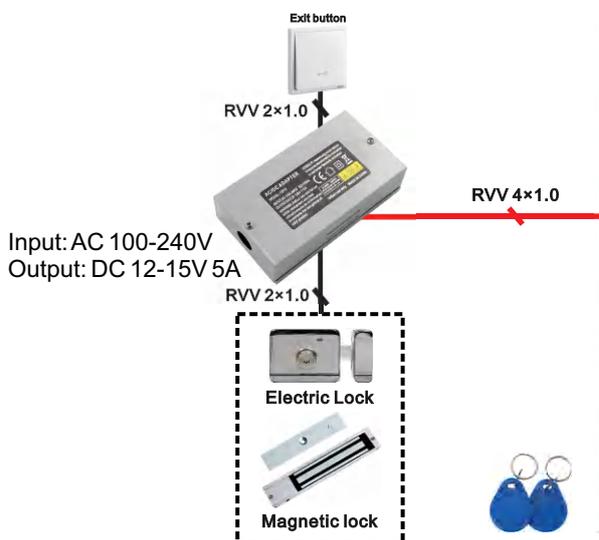


Local LAN Networking Diagram (1 ~ 9999 Monitors)

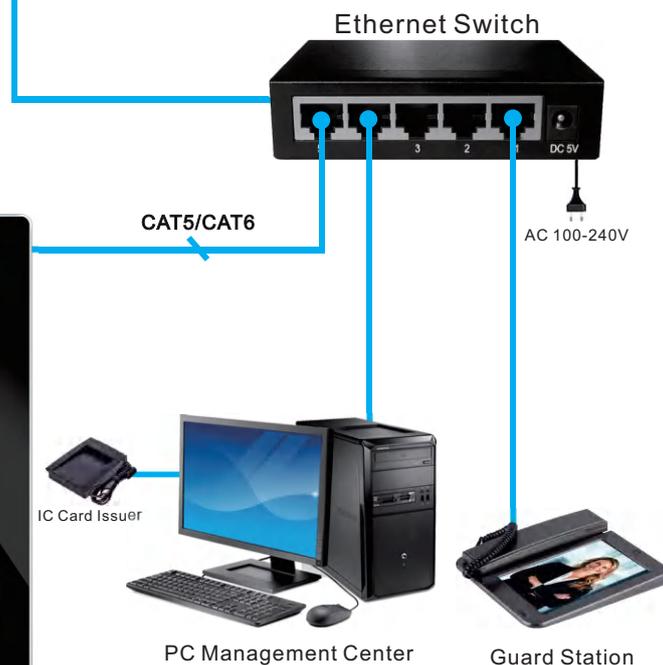
Room number can be set 1 digit, 2 digit, 3 digit or 4 digit



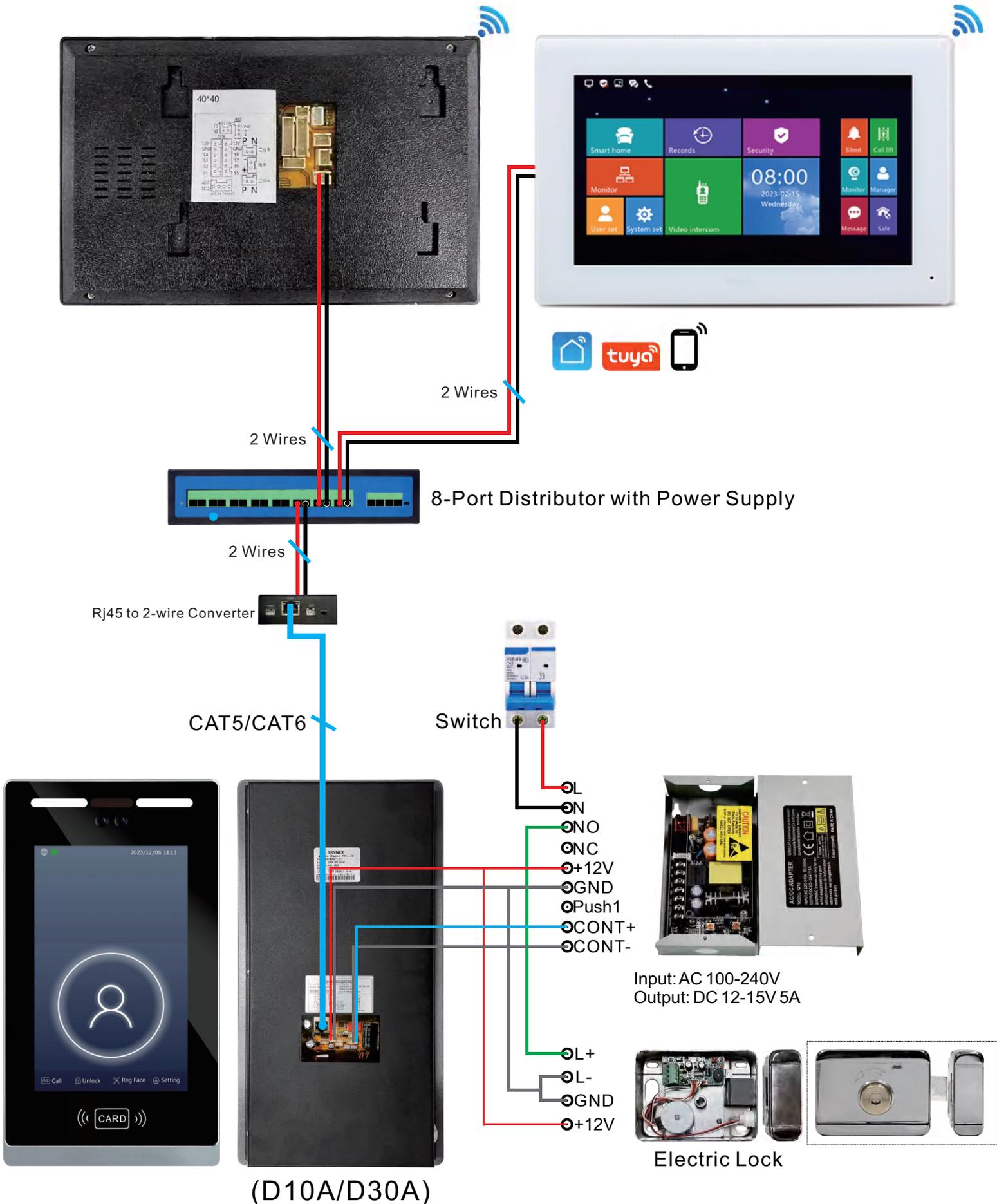
- network cable CAT5/CAT6 main line in unit
- 4 wires(RVV 4×1.0) outdoor station to power
- 2 wires(RVV 2×1.0) lock to power
- 2 wires(RVV 2×1.0) exit button to power



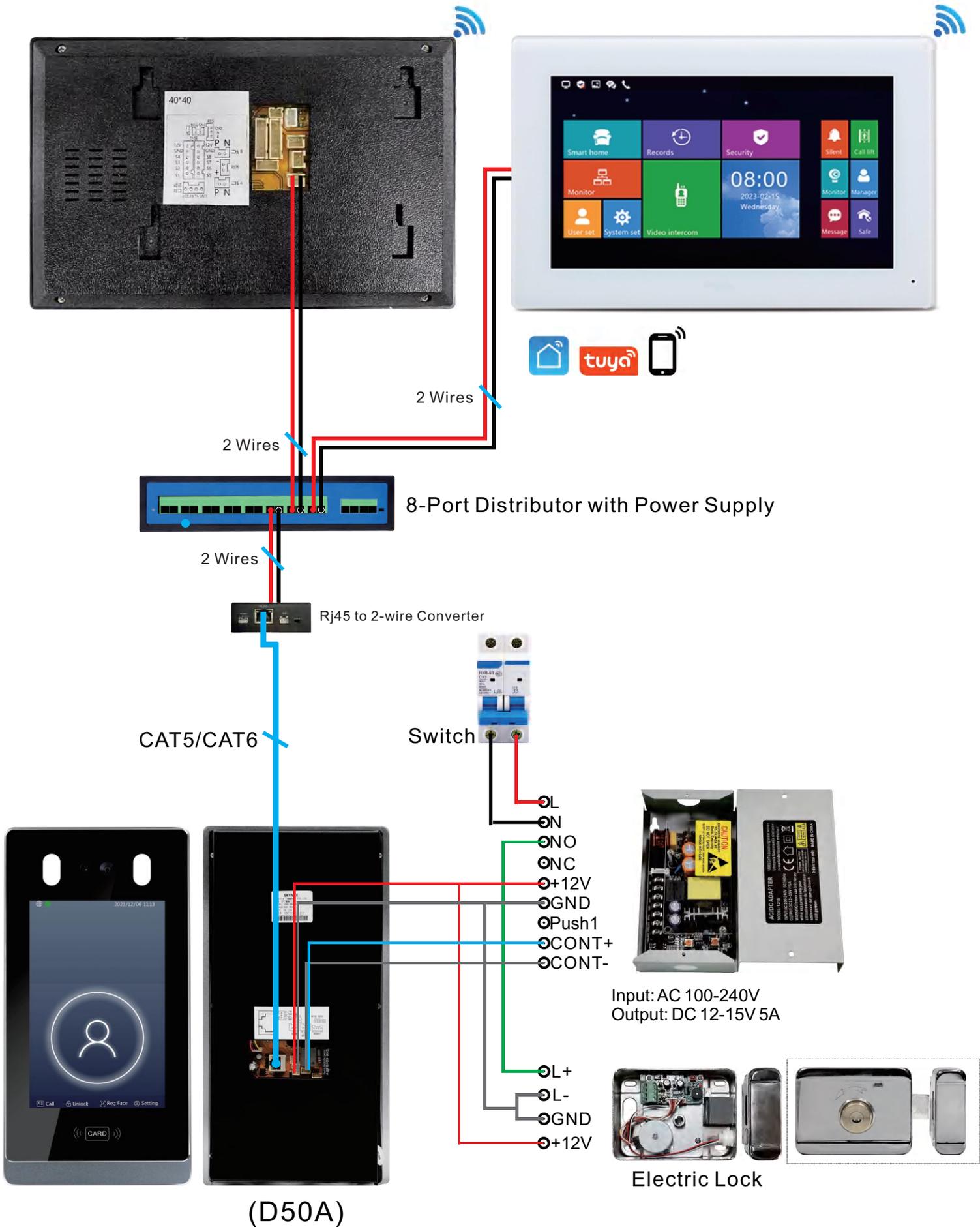
10.1-inch outdoor station



Wiring Diagram(1 to 1) (2 Wires)



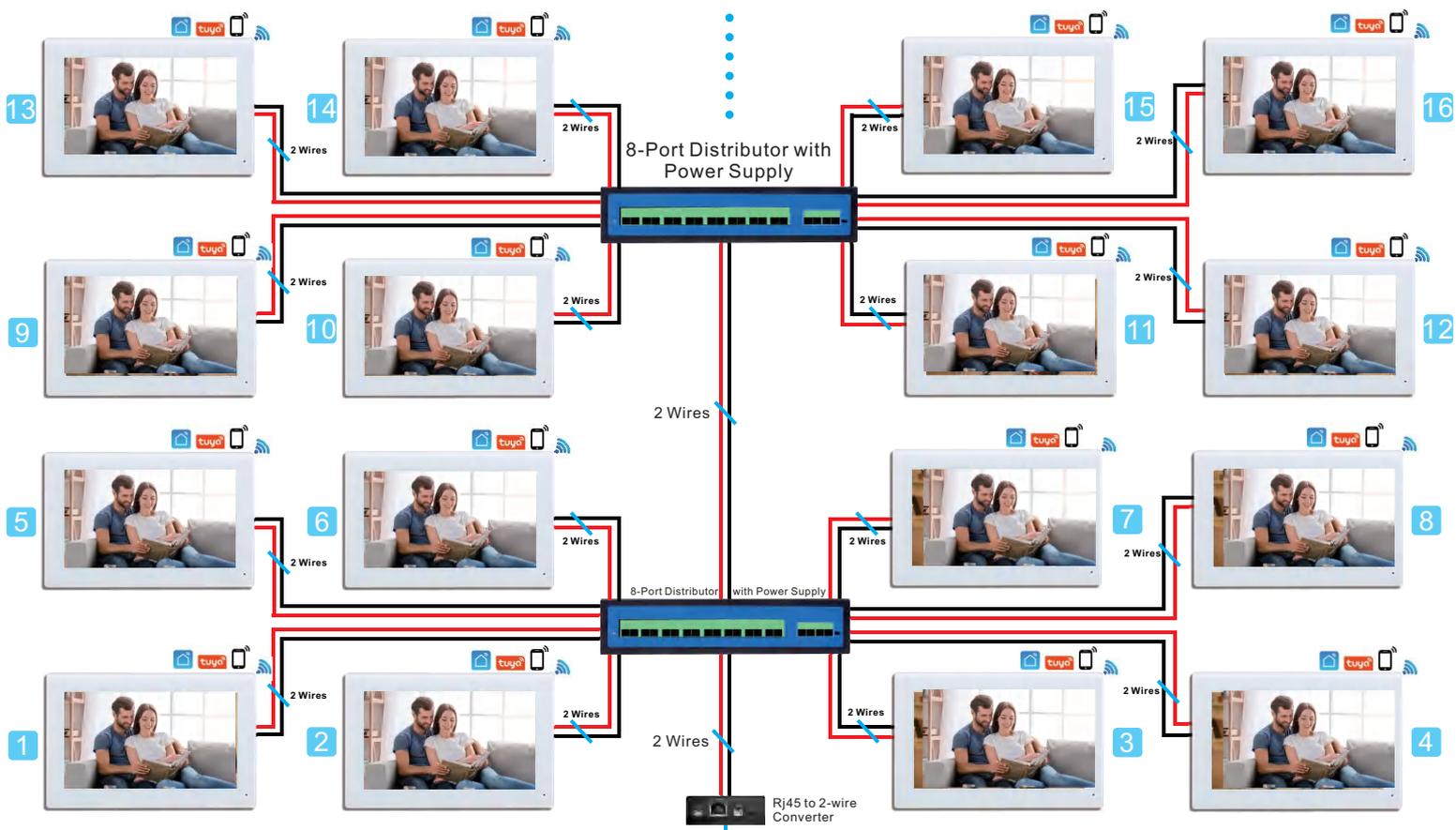
Wiring Diagram(1 to 1) (2 Wires)



2-wire IP Apartment Diagram (1~9999 Monitors)



Room number can be set 1 digit, 2 digit, 3 digit or 4 digit



- network cable CAT5/CAT6 main line in unit
- 4 wires(RVV 4×1.0) outdoor station to power
- 2 wires(RVV 2×1.0) lock to power
- 2 wires(RVV 2×1.0) exit button to power
- 2 wires(RVV 2×1.0) Enter home line



2-wire IP Apartment Diagram (1~9999 Monitors)

Optional



M72T
7-inch touch screen



M72T
7-inch touch screen

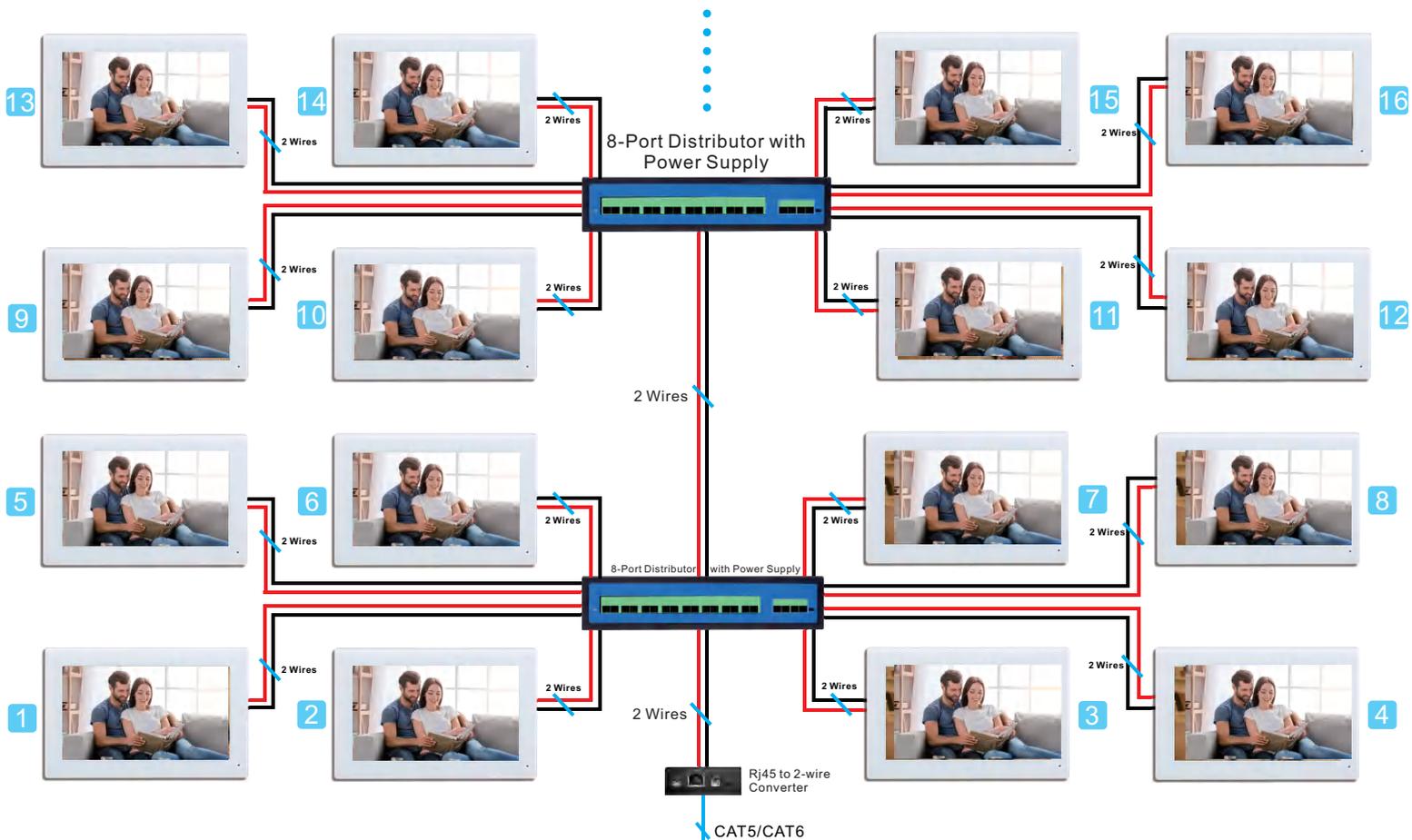


M76T
7-inch touch screen



M92T
10.1-inch touch screen

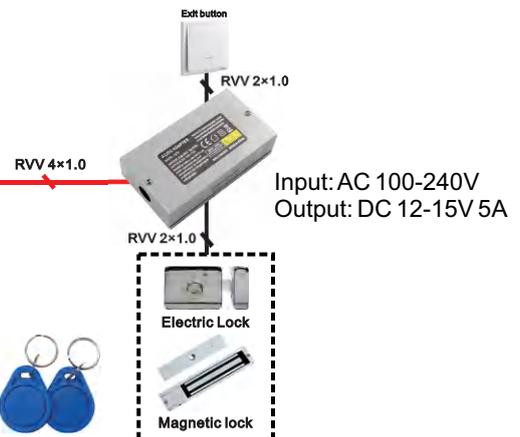
Room number can be set 1 digit, 2 digit, 3 digit or 4 digit



- network cable CAT5/CAT6 main line in unit
- 4 wires(RVV 4×1.0) outdoor station to power
- 2 wires(RVV 2×1.0) lock to power
- 2 wires(RVV 2×1.0) exit button to power
- 2 wires(RVV 2×1.0) Enter home line



10.1-inch outdoor station



1.Homepage

(1)Description: Includes face recognition, resident calling, unlocking, face registration, and system settings.



I. Call

a) Press "Call" to initiate a call, then input numbers like 1, 01, 101, or 0101 to call the resident.

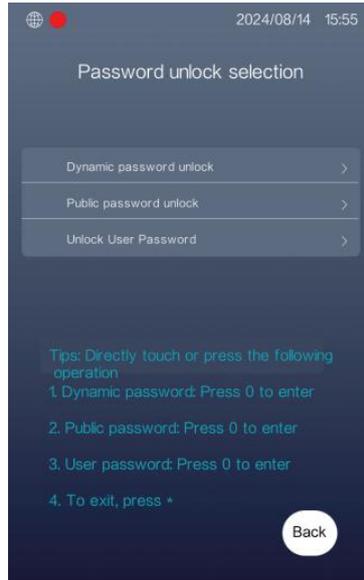


b) When used for a community gate, enter the full 10-digit code to call the resident. For example, input "0101010204". The first 6 digits represent Zone 01, Building 01, Unit 01, while the last 4 digits indicate the room number. Here, 02 means Floor 02, and 04 means Room 04.

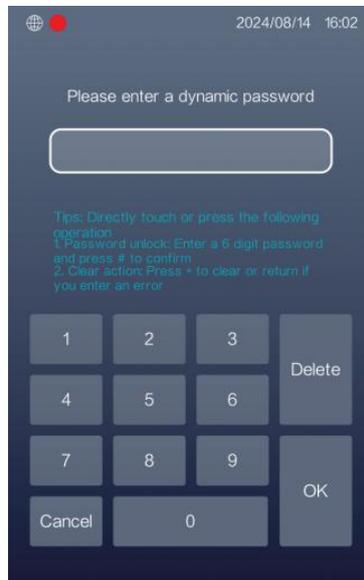
c) Enter "1000" to call the guard station or the PC management center.

II. Unlock

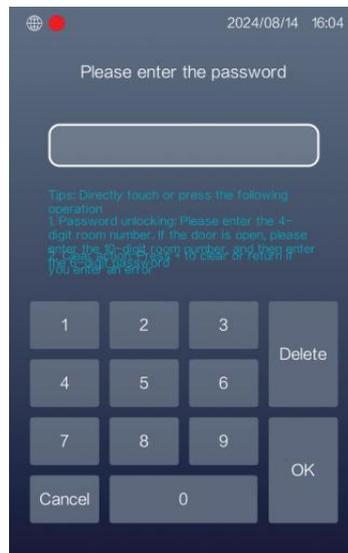
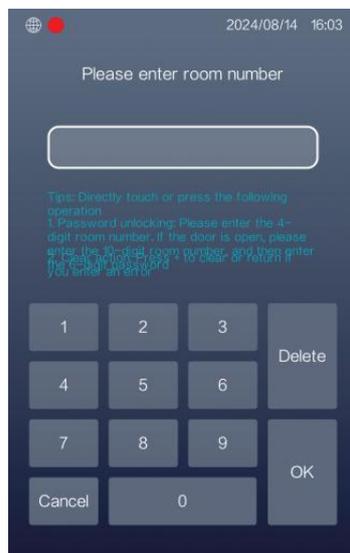
Press “Unlock” to select unlock method. This function needs to be enabled in the Setting - Advanced settings.



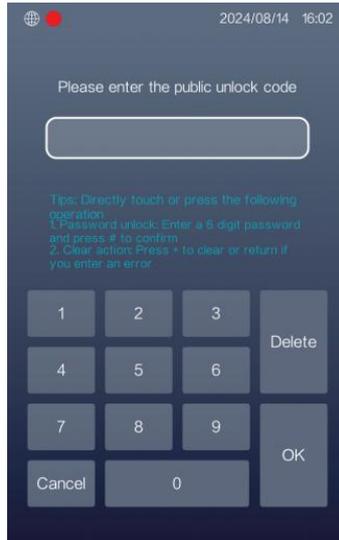
a) Dynamic Password to Unlock: Not available.



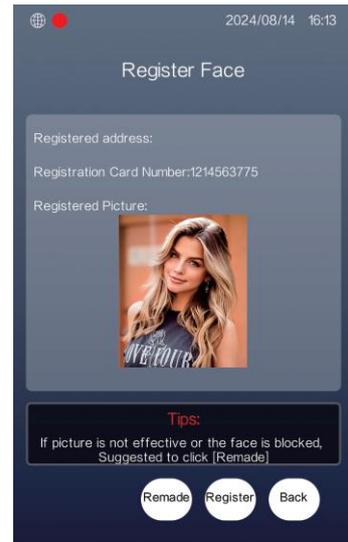
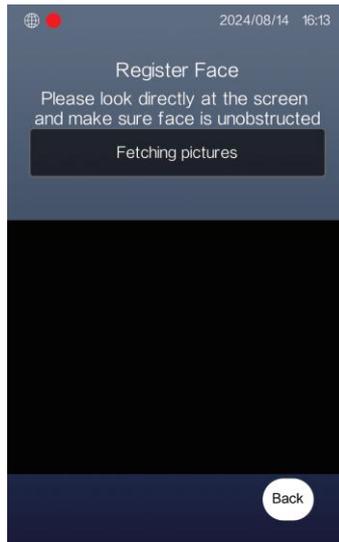
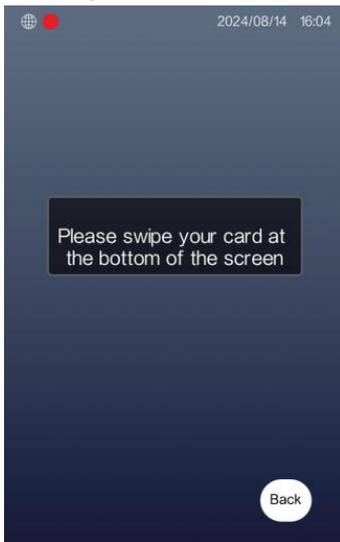
b) Resident Password to Unlock: Unlock using the resident password. Enter the full 4-digit room number and press “#”. Then input the 6-digit unlocking password (set in the monitor) and press “#” to unlock.



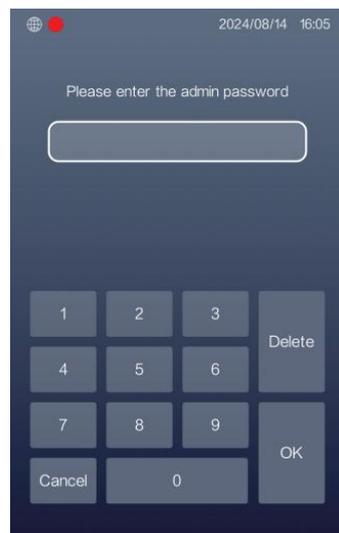
c) Public Password to Unlock: Unlock using the public password. Enter the 6-digit public password and press “#” to unlock. The default public password is “668899.”



III. Face Registration: Press “Reg Face” to begin the face registration process. First, swipe a registered card. Then, take a photo of the resident. The system will display the information. Press “Register” to confirm, “Remake” to retake the photo, or “Back” to cancel.

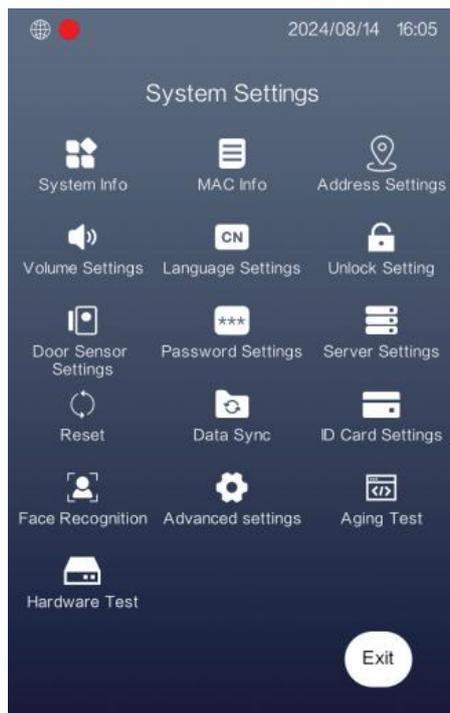


IV. System Settings: Press “Setting” to access the system settings. The default system password is “666666.”



2. System Settings

The default password to access the system settings is “666666.”



(1) SystemInfo

The outdoor station displays the address code, MAC address, IP address, subnet mask, gateway, server IP, software version, and network configuration (NetCfg) version on this page.



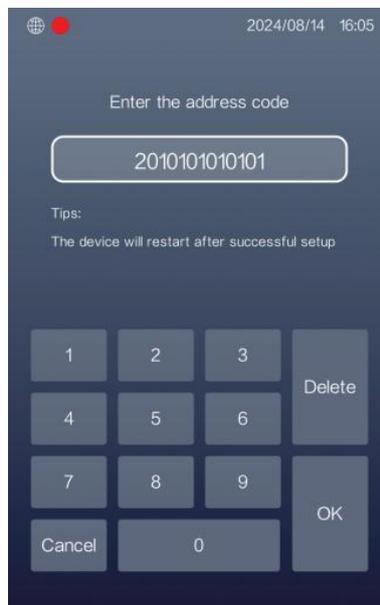
(2)MAC

This is the QR code of the MAC address.



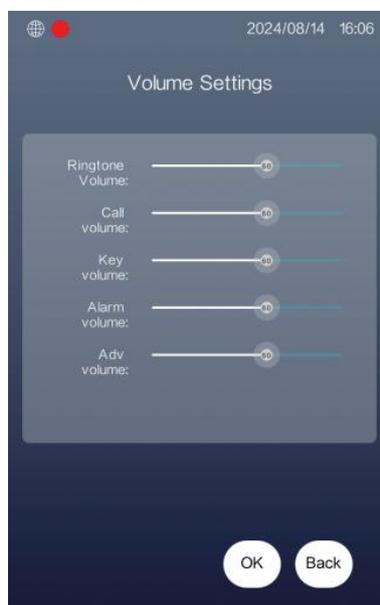
(3)Address

Change the outdoor station's address code.



(4) Volume Settings

Adjust the volume for ringtone, call, key, alarm, and advertisement.



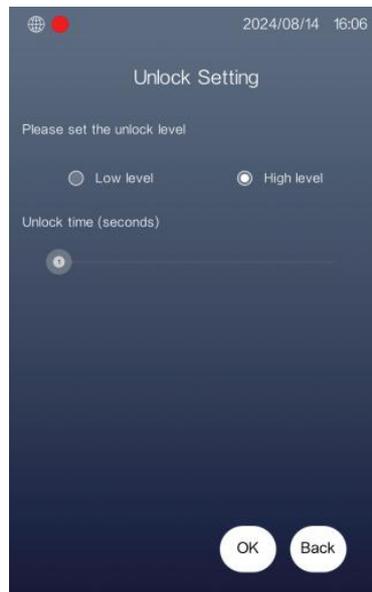
(5)Language

Set the language. Languages can be customized.



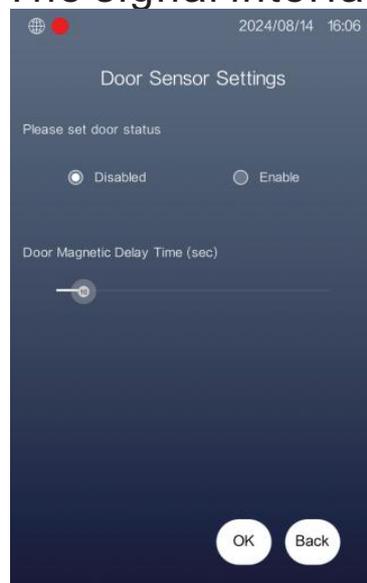
(6)Unlock Settings

Set the unlock duration (in seconds) and the unlocking level. The default is high unlock with a 1-second delay. Do not change these settings.



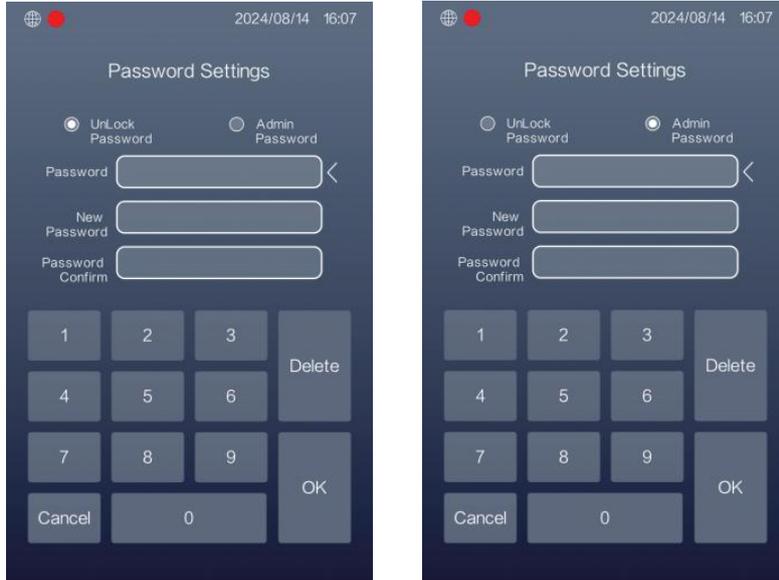
(7)DoorSensor

Door sensor settings include enabling the sensor and setting the alarm delay time. The signal interface does not include a sensor.



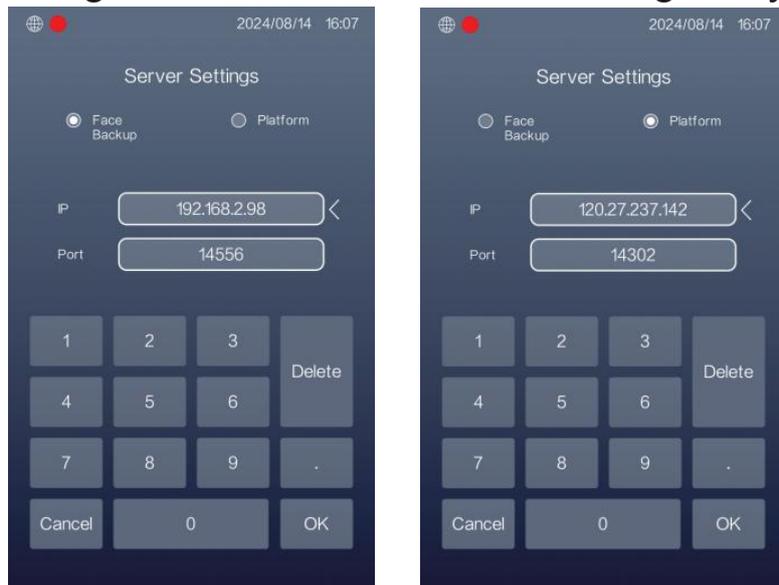
(8) Password Settings

Change the unlock password and the admin password.



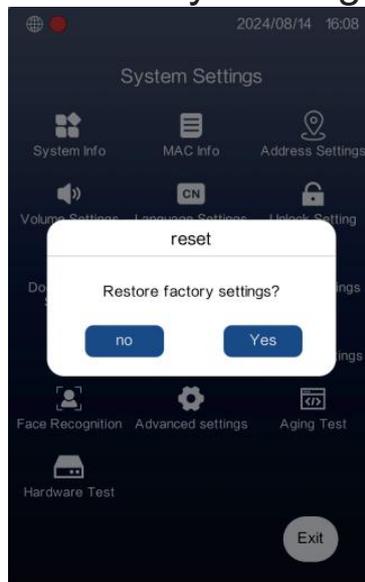
(9) Server Settings

Set the face synchronization server and WeChat applet server along with their ports. Only modify the face server to the IP address of the PC management center. Do not change any other settings.



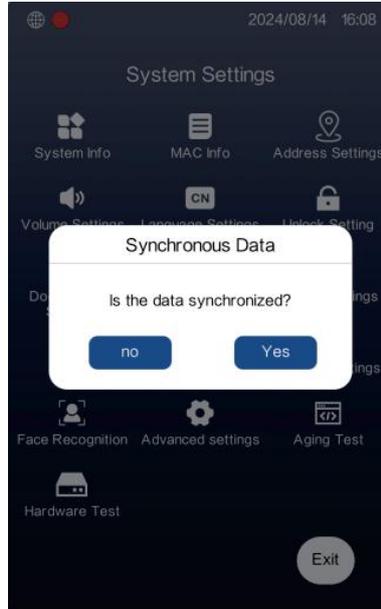
(10) Reset

Restore the device to factory settings.



(11) Data Sync

Synchronize card and face data with the PC management center.



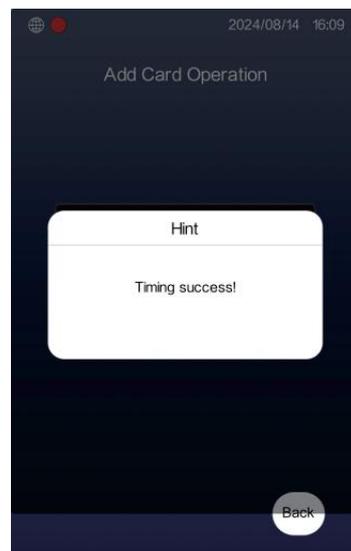
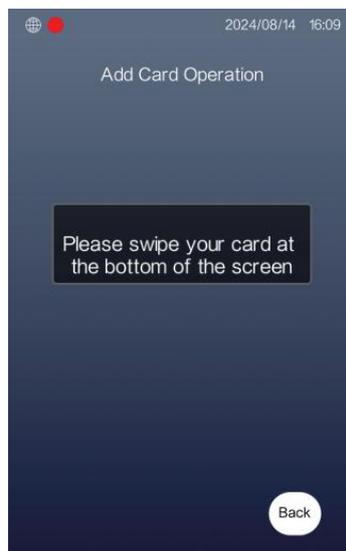
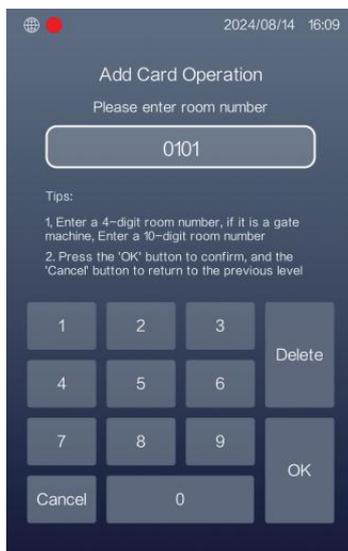
(12) ID Card Settings

Add and delete cards.

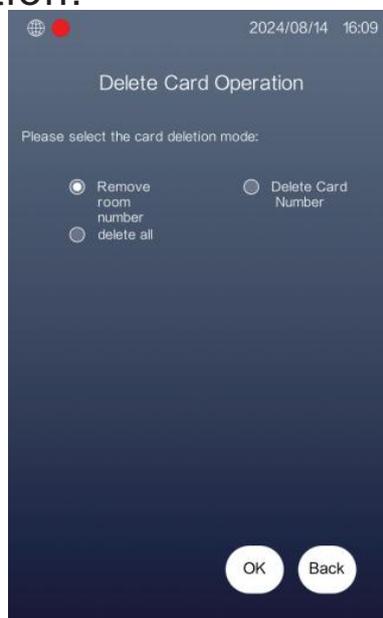


I. Add Card Operation

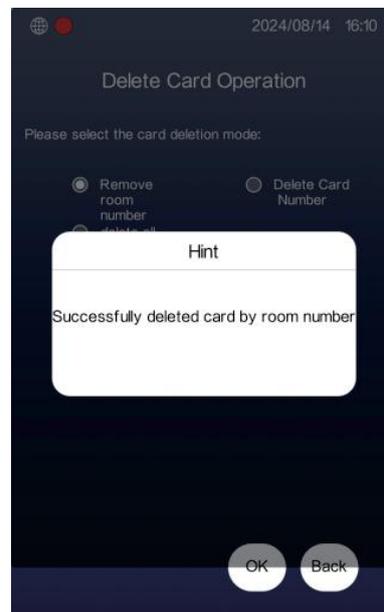
Input the 4-digit room number and press “OK” to confirm. Then start adding cards. After swiping the card, press “Back” to exit and test the card.



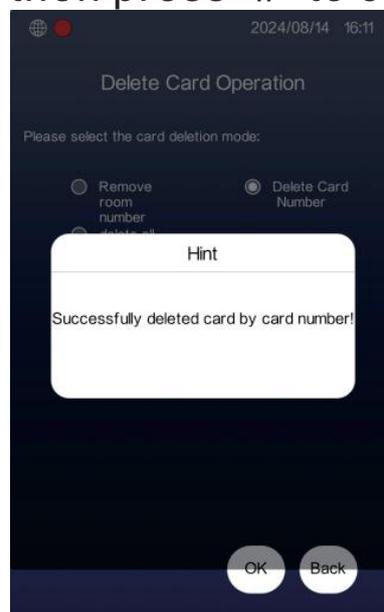
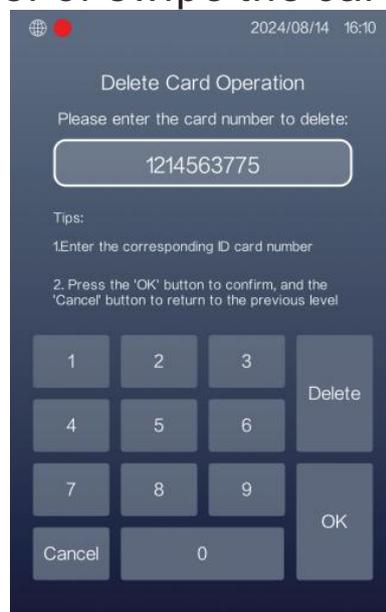
II. Delete card operation.



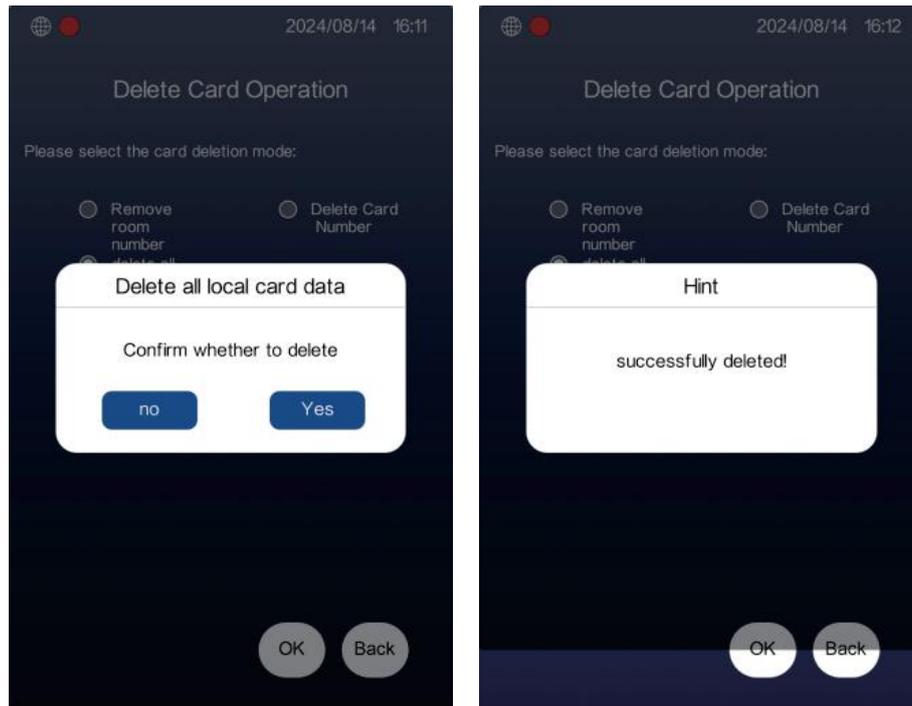
a) Select “Remove room number” to delete cards by room number. Input the 4-digit room number of the cards you want to delete, then press “OK” to confirm. Press “Delete” to clear the input, and “Cancel” to exit.



b) Select “Delete Card Number” to delete by card number. Input the card number or swipe the card, then press “#” to confirm and delete.

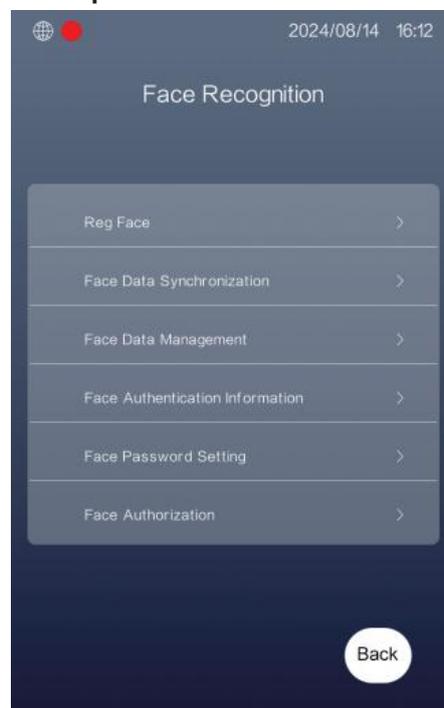


c) Select “delete all” to delete all card information. Then proceed to the confirmation page. Press “Yes” to confirm, while “no” to cancel.



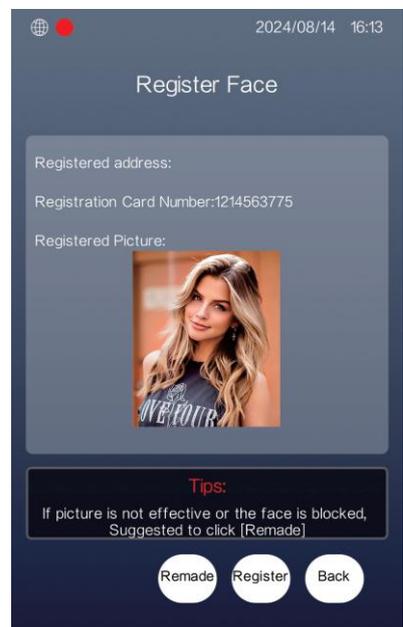
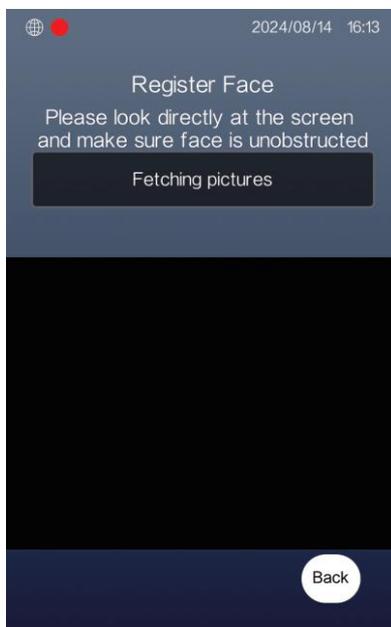
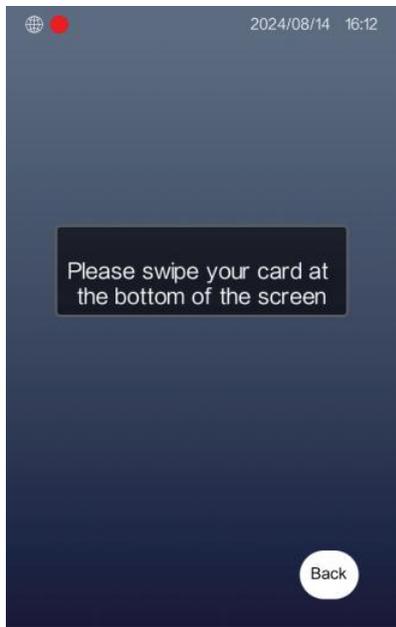
(13)Face Manage

Face registration, synchronization, face data management, face authorization information, face password setting, and face authorization. The face password is “123456”.



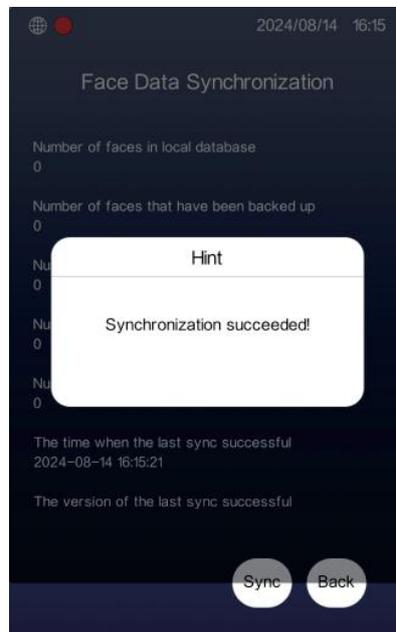
I. Face Register

Press “Reg Face” to start registering. First, swipe a registered card. Then, take a photo of the resident. Next, the information will be displayed. Press “Register” to confirm, “Remade” to retake the photo, and “Back” to cancel.



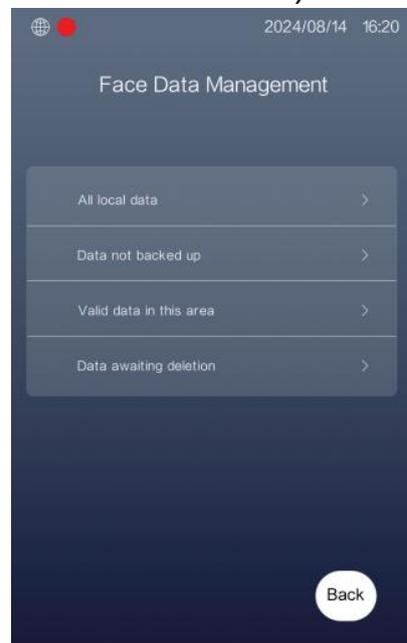
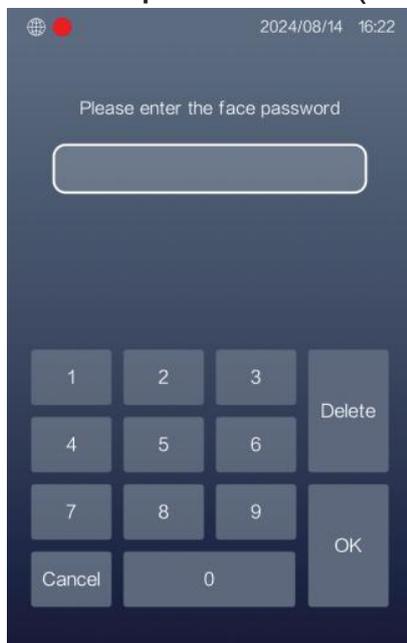
II.Face Data Synchronization

Press “Sync” to synchronize face data with the PC management center.



III. Face Data Management

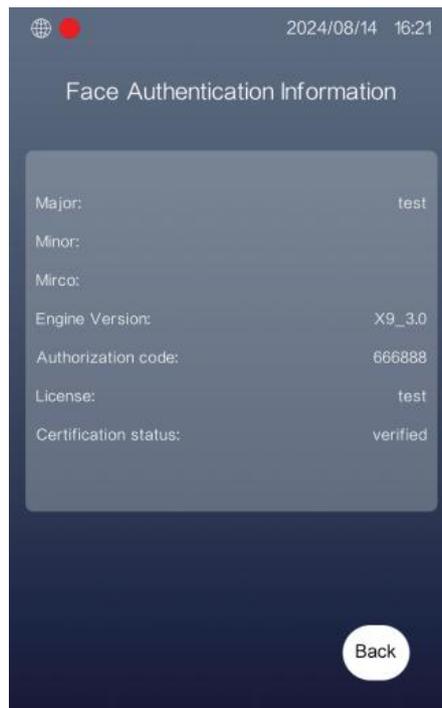
Input the face password (default: “123456”) to manage face data.



- a) All local data: Displays all local face data.
- b) Data not backed up: Shows face data not backed up in the PC management center.
- c) Valid data in this area: Displays valid face data.
- d) Data awaiting deletion: When used with the Management Center, if the card number used to register the face is deleted in the Management Center, the face data will be invalid and wait for deletion. This data will be deleted after synchronization.

IV.Face Authorization Information

Displays the engine version, authorization code, and certification status.



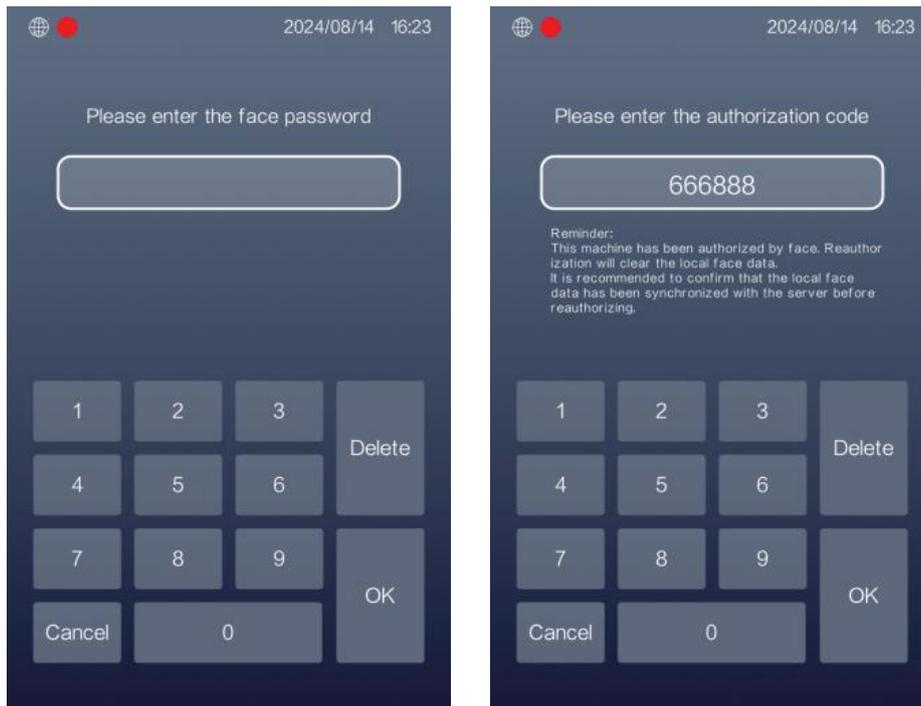
V.Face Password Setting

Change the face password. The default password is “123456”.



VI.Face Authorization

Face recognition authorization. The default is already authorized. The authority code is “666888.” Re-authorization will clear all local face data.



(14) Advanced Settings

I. Video Enc Size: Video encoder resolutions include 640x480, 1024x600, and 1280x720.

II. Ring Timeout: The call will be automatically canceled if no one answers after a while of ringing. Default is 30s, and it can be up to 60s.

III. Call Time Out: After answering the call, the talk will last for a while. The default is 60s, and it can be up to 120s.

IV. Sleep Time: The screen will stay on for a while. The default is 30s, and it can be up to 300s.

V. Hang Up After Unlocking: When enabled, it will automatically hang up after unlocking through the intercom function.

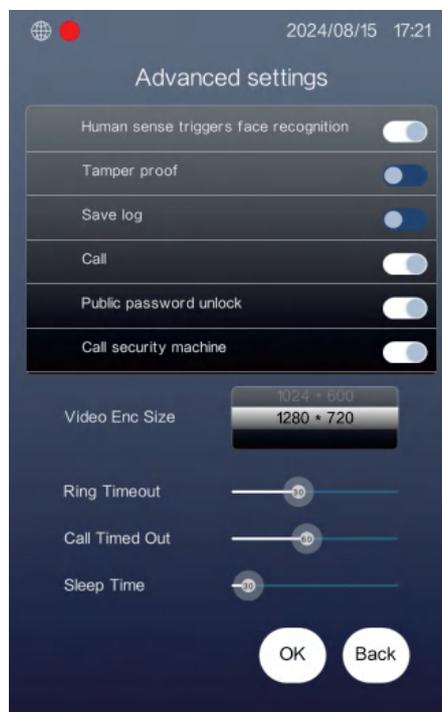
VI. Face Recognition: When enabled, residents can use face recognition to unlock.

VII. Unlock: When enabled, residents can unlock by password. An Unlock button will appear on the homepage.

VIII. Reg Face: When enabled, residents will be allowed to register their faces on their own.

IX. Video Circular Preview: When enabled, only a circular area shows video for face recognition. If the “Call_list Whole” function is enabled, full screen will be used for face recognition.

X. Biopsy: When enabled, the screen lights up when a moving object is detected.



XVII. Call the Management Center First: When enabled, calling 1000 will first connect to the PC management center, and then call the security machine if no one answers.

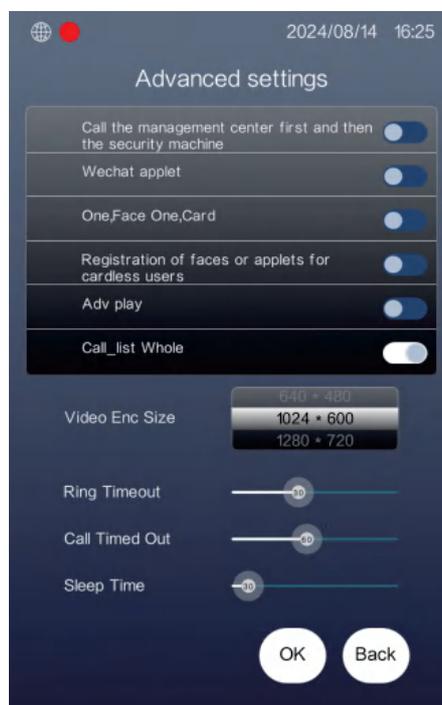
XVIII. WeChat Applet: WeChat applet intercom is not supported.

XIX. One Face, One Card: When enabled, each access card is only allowed to register one face data.

XX. Registration of Faces or Applets for Cardless Users: When enabled, residents without access cards will be allowed to register their faces. This can only be enabled when used for community gates.

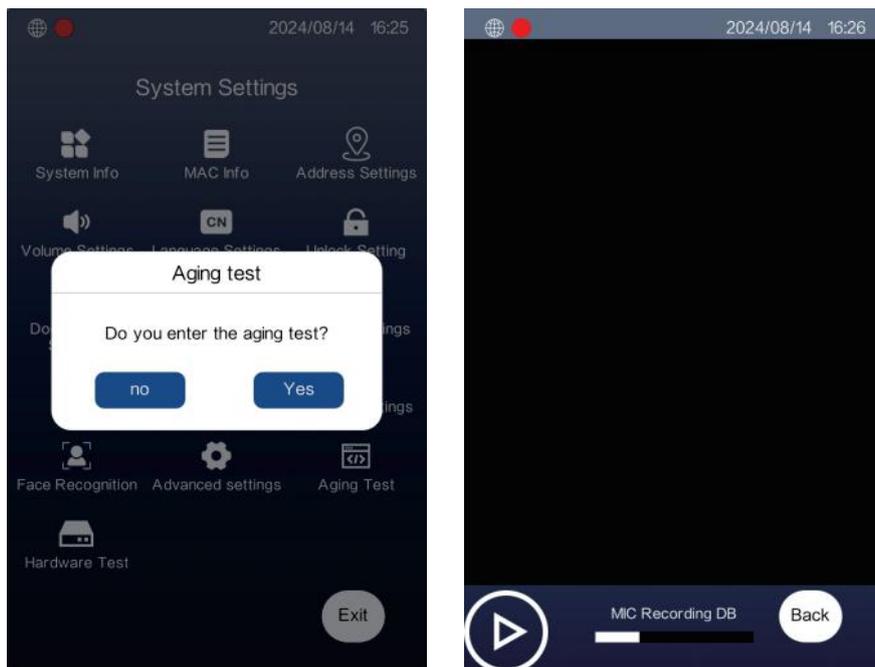
XXI. Adv Play: When enabled, advertisements loaded from the PC management center will be played when the screen is asleep.

XXII. Call List Whole: When enabled, full screen is used for face recognition.



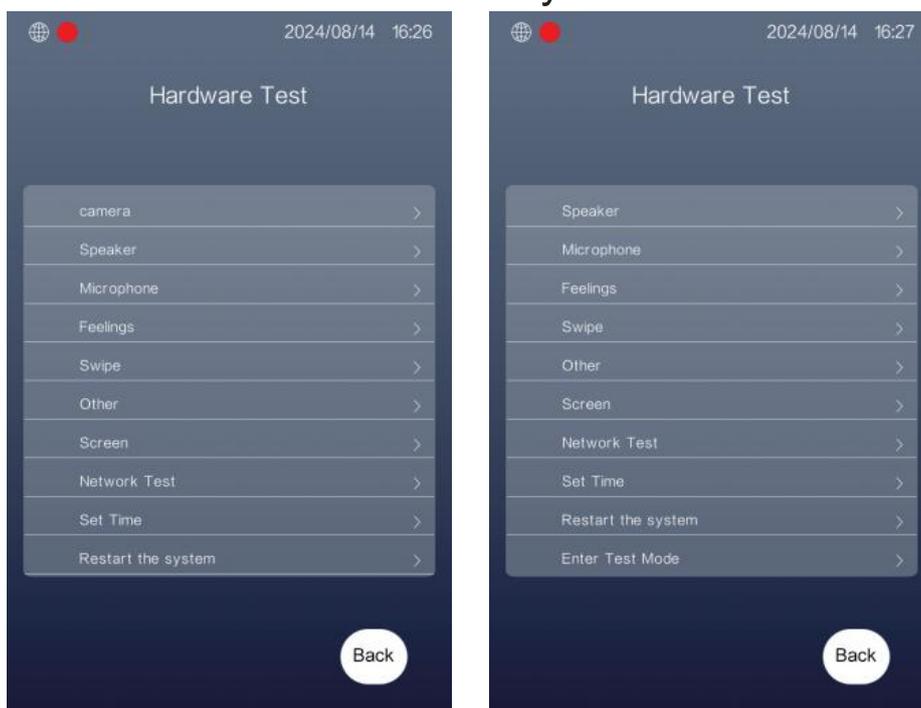
(15) Aging Test

After selecting "Yes," the aging test mode will begin. The screen will be divided into two sections: the upper section displays a normal daytime colorful image, while the lower section shows a nighttime black-and-white mode.



(16) Hardware Test

Test the hardware and set the system date and time.



I. Camera Test

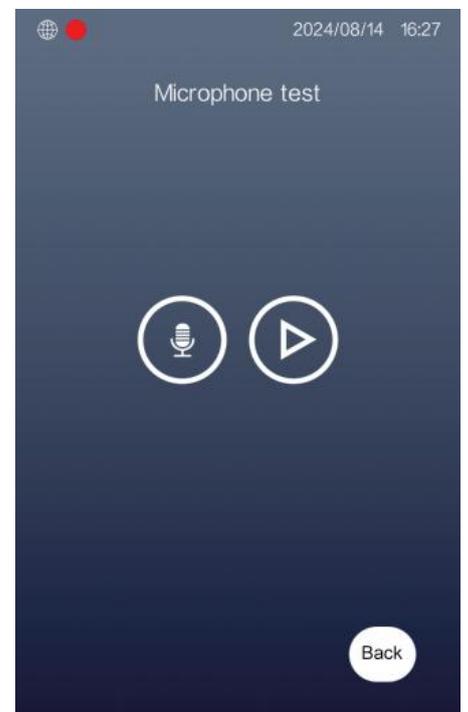
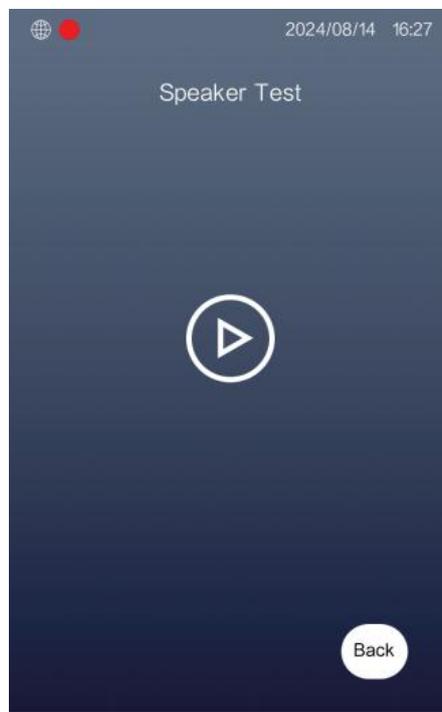
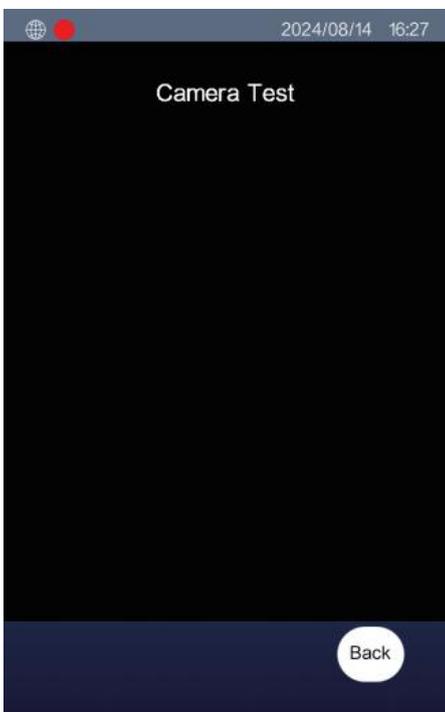
The screen will be divided into two parts: the upper section displays a normal daytime colorful image, while the lower section shows a nighttime black-and-white mode.

II. Speaker Test

Press to start testing the speaker's quality.

III. Microphone Test

Press the "MIC" icon to record, then press the "Play" icon to test the microphone.



IV. Feelings Test

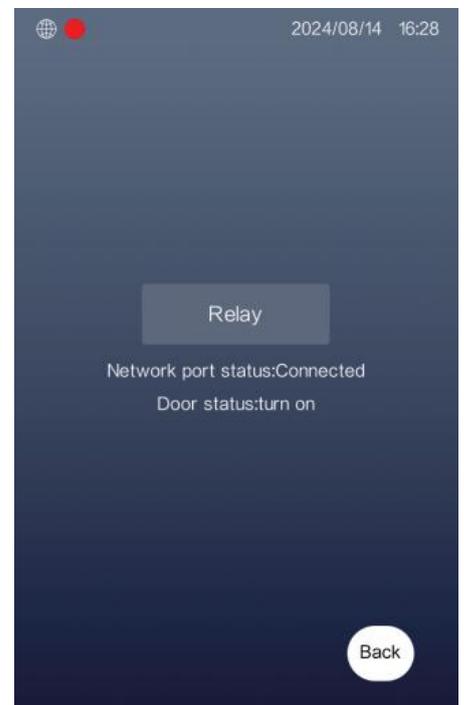
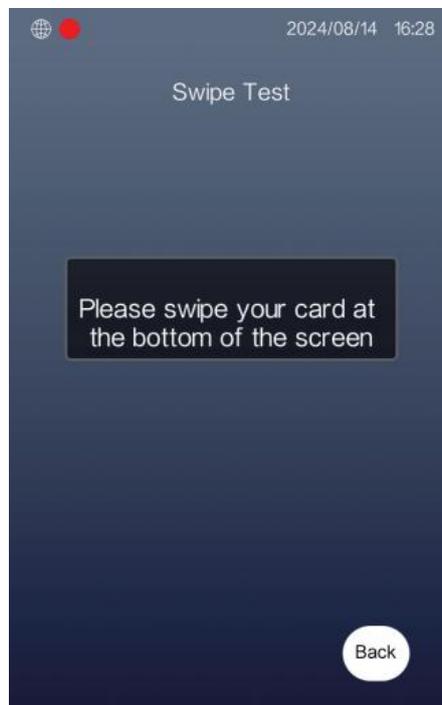
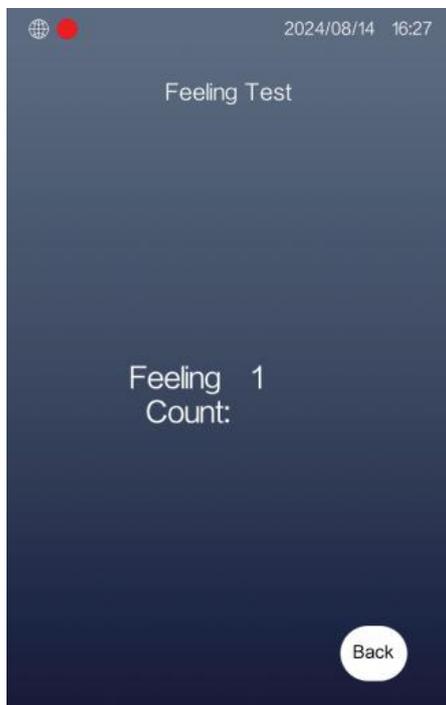
Test human sensing function.

V. Swipe

Test the card reading function.

VI. Other

Test the relay function.



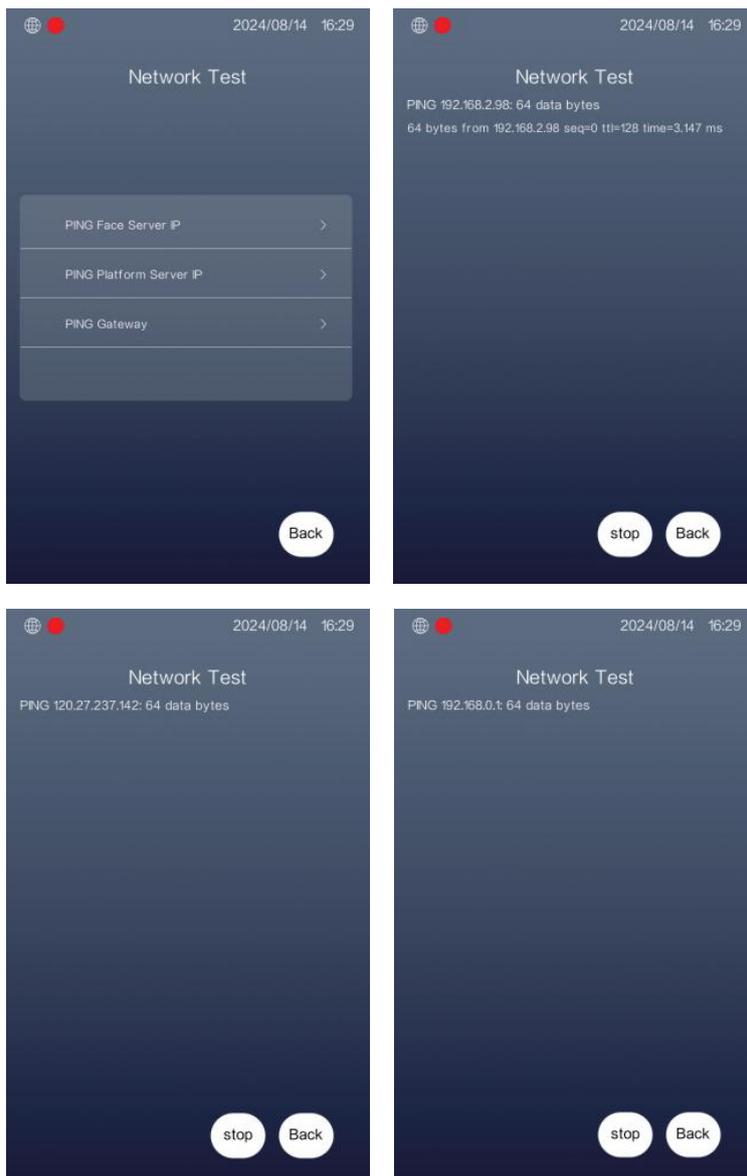
VII. Screen Test

Test the color accuracy and check for any bad pixels on the screen.



VIII. Network Test

- a) Test whether the Face server is connected.
- b) Test if the WeChat platform server is connected.
- c) Test if the gateway is connected.



IX. Set Time

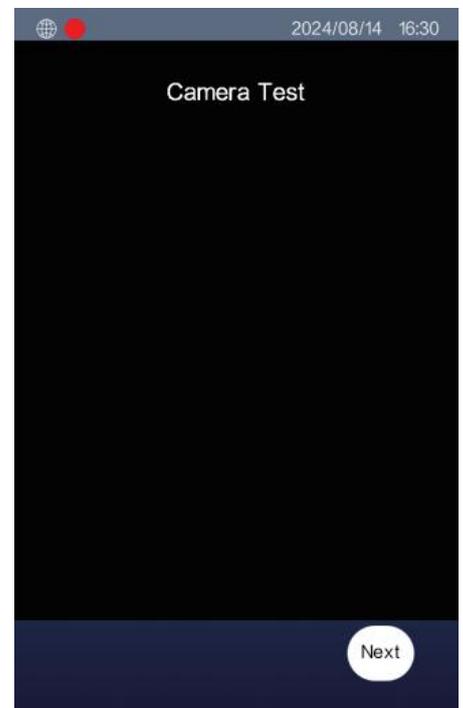
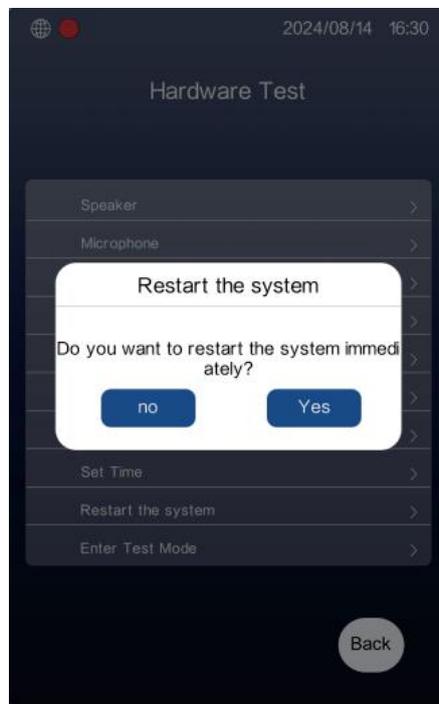
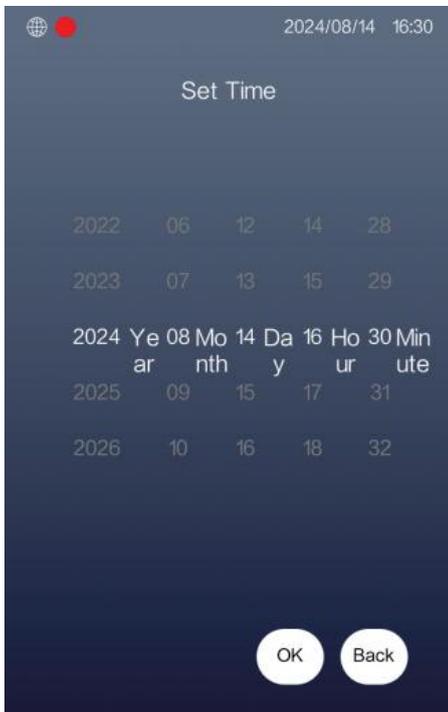
Set the date and time.

X. Restart the System

Press “Yes” to restart the system immediately.

XI. Enter Test Mode

Run a series of hardware tests in sequence.



Specifications

Outdoor Station

- Camera: 1/3 CMOS, 2 HD Cameras
- Resolution: 1080P, 2 MP
- 130° Wide View Angle
- Display: 5/8/10.1 Inches TFT LCD
- Resolution: 1280*800 Pixels
- Material: Aluminum Alloy Shell + Touch Screen
- Network Transmission Mode: TCP/IP Protocol
- Charge: Non-standard POE Switch / Power Supply
- Connection: CAT5/ CAT6 / 2 Wires
- Ethernet Interface: Rj45
- IC Card Capacity: Unlimited
- Face ID Capacity: Up to 20000
- Operation Current: <900mA
- Operation Voltage: DC 15-18V
- Operation Temperature: -40°C to +70°C

5 Inches:

- Outline Dimensions: 225*125*48mm
- Installation Dimensions: 215X115x40mm

8 Inches:

- Outline Dimensions: 330*230*48mm
- Installation Dimensions: 286*135*40mm

10.1 Inches:

- Outline Dimensions: 358*190*48mm
- Installation Dimensions: 345*165*40mm
- Installation: Wall-mounted or Embedded

| NO | Malfunction | Reasons | Solutions |
|----|--|--|---|
| 1 | Why can't the outdoor station call the indoor monitor? | <ol style="list-style-type: none"> 1. Network Connection Issues: The network cable is not properly connected or is of poor quality. 2. Insufficient Power Supply: The outdoor station may have unstable power or a faulty adapter. 3. Configuration Errors: Room number or extension number settings may be incorrect. 4. Device Malfunction: There could be physical damage to the outdoor station or indoor monitor. | <ol style="list-style-type: none"> 1. Check the network connection to ensure the cable is securely connected and use high-quality CAT5 or CAT6 cables. 2. Confirm that the outdoor station has a stable power supply, using the appropriate voltage (DC 12-15V). 3. Verify that the room number and extension number settings are correct and unique. 4. Inspect the devices for physical damage and contact technical support if necessary. |
| 2 | Why can't the lock be opened? | <ol style="list-style-type: none"> 1. Power Supply Issues: The lock may not be receiving power. 2. Wiring Problems: Incorrect wiring or loose connections may prevent the lock from functioning. 3. Incorrect Password: The entered password may be wrong. 4. Mechanical Jam: The lock mechanism might be jammed or malfunctioning. | <ol style="list-style-type: none"> 1. Ensure the lock is connected to a reliable power supply and check the power adapter. 2. Review the wiring connections according to the installation diagram to ensure they are correct. 3. Verify the password and try entering it again. 4. Inspect the lock for any physical obstructions or damage and lubricate if necessary. If the problem persists, consider replacing the lock. |
| 3 | Why can't the indoor monitor connect to the Tuya app? | <ol style="list-style-type: none"> 1. Poor Internet Connection: The Wi-Fi signal may be weak or unstable. 2. Incorrect Wi-Fi Settings: The monitor may not be connected to the correct Wi-Fi network. 3. App Compatibility: The Tuya app may not be updated or compatible with the monitor. 4. Incorrect QR Code Scan: The QR code might not have been scanned correctly during the setup. | <ol style="list-style-type: none"> 1. Check the Wi-Fi connection and ensure it is stable. Try reconnecting the monitor to the network. 2. Verify that the monitor is connected to the correct Wi-Fi network and re-enter the password if needed. 3. Update the Tuya app to the latest version and ensure it is compatible with the monitor. 4. Re-scan the QR code in the app, making sure to follow the instructions carefully. If issues persist, restart both the monitor and the app. |
| 4 | Why can't I register my face? | <ol style="list-style-type: none"> 1. User registration is disabled. 2. The card is not registered. 3. The device has been reset. | <ol style="list-style-type: none"> 1. To register on the user registration page, ensure this function is enabled in System Settings – Face Manage – Face Setting. 2. Verify that the card you are using is valid. 3. Ensure that the Face Manage function is authorized. The authority code is “666888.” Please note that authorization will clear all face data. |