





## IV.FUNCTION DESCRIPTION OF INDOOR UNIT




### a.Indoor unit ringtone setting

#### 1.Mute setting



In the standby mode of the indoor unit, press the button “” first to turn on the screen, and then press the button “” to turn off the bell and intercom, making no effects on image display.If it is required to turn on the bell and intercom, press the button “” again in the monitor “” mode.

- Disturbance-free mode will be activated after the mute function is enabled.

#### 2.Change ringtone

In the standby mode of the indoor unit, press the button “” first to turn on the screen, and then press the button “” to activate the ringtone and enter “change ringtone” settings. The system is equipped with 25 ringtones of various lengths. The button “” is pressed once to change one ringtone. After a suitable ringtone is selected, stop pressing the button. The last ringtone will be the ringtone when the system is called by anyone.

#### 3. Ringtone volume adjustment

In the standby mode of the indoor unit, press the button “” first to turn on the screen, It has three levels, large, medium and small. Press the button “” for two seconds each time to increase or decrease the volume progressively.


- After power-off, all ringtone settings will be restored to factory settings.

### b.Instructions for doorbell operation




1.When any visitor presses the call button on the outdoor unit, the indoor unit screen will display the outdoor image in real time and the bell will ring.

2.The indoor user may press the button “” to talk with the visitor.

3.In the intercom mode, the indoor user may press the button “” to open the door.

4.In the intercom mode, the indoor user may press the button “” to finish talking or talking will finish automatically in 90 seconds.

5.If it is required to resume talking after hang-up, press the button “” first and then the button “” to talk with the visitor.

6.In the standby mode of the indoor unit, press the button “” first and then the button “” to unlock the door; the screen will be off automatically in 90 seconds or it can be powered off by pressing the button “” once.

## V.ID CARD INSTRUCTIONS

### a. Add user card

Under the working status , swipe " add card " , " Di " once , enter the additional user card state. When swiping a user card , " Di " once showed that the card has been successfully added . ( at most add 500pcs user card ) If it rings three times , it means the card is full , this card cannot be added.

To exit the add user card status , swipe the add card again , " Di " once , exit to add user card state into standby .

### b.Delete user cardr

Under the working status , swipe “delete card”,enter the delete user card state.Swipe the user card you want to delete . hear a sound “Di”showed the card has been sucessfully deleted.To exit the delete user card status,swipe the delete card again,“Di”once,exit to add user card state into standby.

Delete ALL:under the working status,first swipe“delete card”.Then swipe “add card” .

Finally swipe the delete card.The operation is completed.

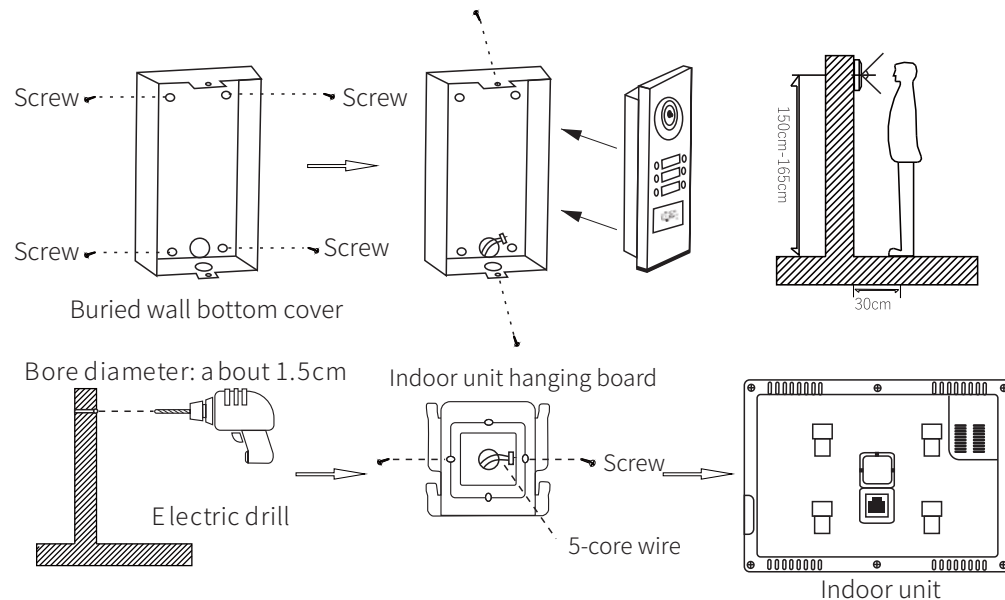
### c.Swipe card open the door

Under the working status,close the card to the read card area,if it is an authorized user card, will hear the sound “Di”.Unlocking at the same time.If the card is illegal card,will make sounds “Di Di Di”,prompt that the card is no authorized.

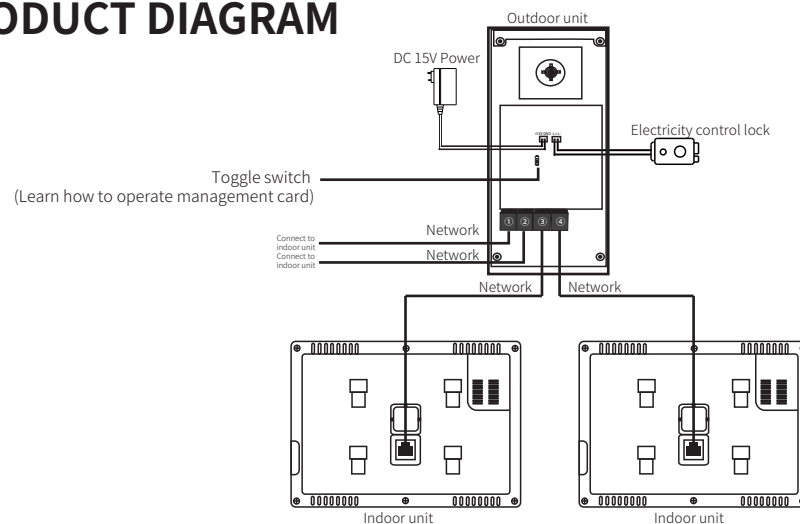
### d.Production Management Card

Toggle switch, flip the switch up, then turn on the power, and enter the setting mode after prompting a beep. Swipe the first card is add card, swipe second card is delete card, then turn off power,set the switch down to reset. This means that setting the management card is successful.

## VI.PRODUCT INSTALLATION

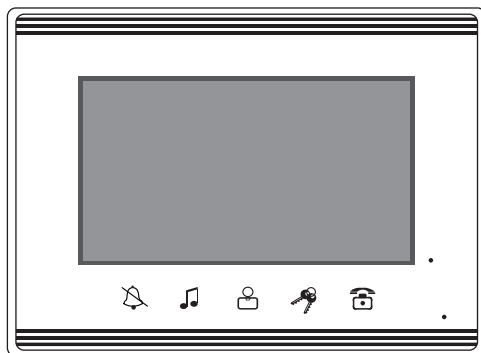


## VII.PRODUCT DIAGRAM



# MULTI-USER DIRECT PRESS VISUAL INTERCOM DOORBELL

## Installation instruction manual

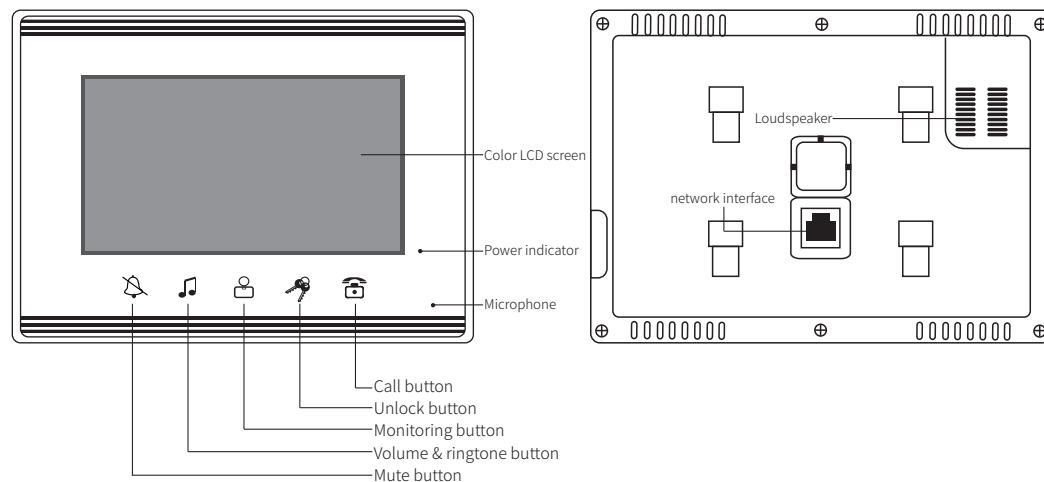


Please read the instructions carefully before using to guarantee correct and proper operation

## I .PRODUCT DESCRIPTION

This product is a multi-user direct press wired visual intercom doorbell, the system consists of two parts: outdoor unit and indoor unit, using 8-core network wire, RJ45 interface connection. Outdoor unit adopts DC15V unified power supply. The longest transmission distance can reach 100 meters. Can realize call intercom, unlock, active monitoring, mute and do not disturb, outdoor unit with ID card to open the door and other functions. Suitable for family, villa, apartments, office and other places.

## II .PRODUCT INTRODUCTION



## III.PARAMETERS OF INDOOR UNIT

Camera	COMS HD camera	Screen	COMS HD camera
Rain-proof grade	With rainproof cover	Resolution	With rainproof cover
Power supply	Special power adapter for power supply DC15V	Power supply	Special power adapter for power supply DC15V
Power	Standby:≤0W Working:≤10W	Power	Standby:≤0W Working:≤10W
Connect terminal	Net port	Wiring terminal	Net port
Unlocking terminal	2PX2.54	Operating temperature	2PX2.54
Working temperature	-20°C-60°C	Monitoring time	-20°C-60°C
Night vision feature	Infrared night light	Talking time	Infrared night light
Unlocking voltage	DC12V	Number of calling ringtones	DC12V

# WIFI Visual Intercom Doorbell

Instructions for Installation and Operation



Please read the instructions carefully before using to guarantee correct and proper operation

# Introduction of testing method for connection between doorbell indoor unit and mobile phone APP

## Precautions for installation and testing:

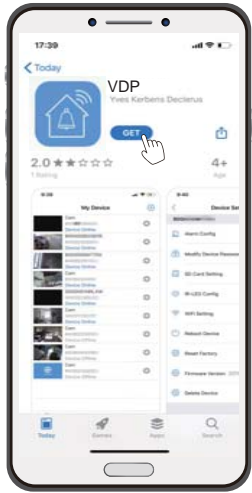
Before installing and using the product, it is recommended to use the original power adapter. The non-original power adapter may produce interference fringe in the screen or noise etc. Test the product within the range of effective WIFI signal, if the installation distance is beyond the effective range of the router or the signal is weak, it may cause intercom or picture delay, stuttering and so on.

## 1. APP download and installation:



Apple / Android  
Scan QR Card Download APP

## 2.1 Android system: Scan Android QR code and download APP



Step 1



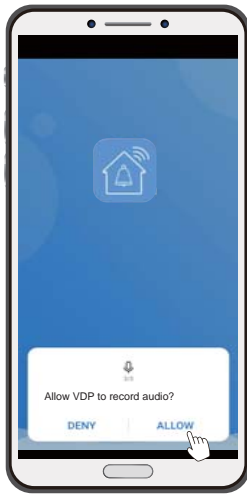
Step 2



Step 3



Step 4

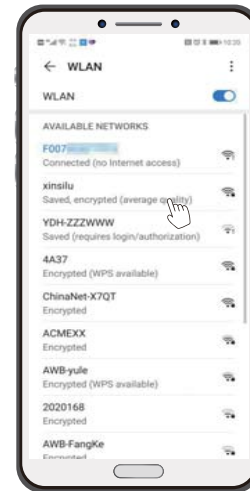


Step 5

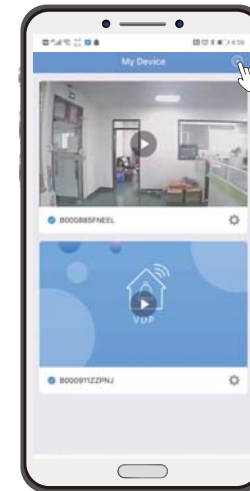
2.2 Apple system: Scan the QR code or search for "VDP" in Apple APP store directly and click download.

## 2. Add the device and WIFI configuration

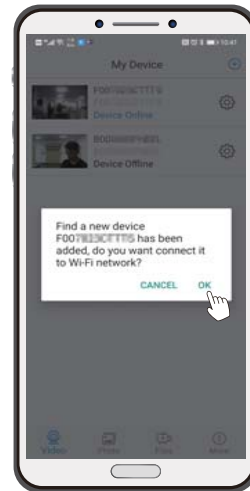
1. Connect the outdoor unit and the indoor unit with RVV4 core wire, connect the indoor unit to power supply, and confirm the doorbell works properly.
2. The WIFI module starts after the indoor unit is powered on for 20 seconds, and the blue light in the lower right corner slowly flashes and then turns on, and then you can start the mobile phone network setting.



3. Start the phone and enter WIFI settings, search for the doorbell hotspot name (such as: F007\*\*\*), and click Connect.



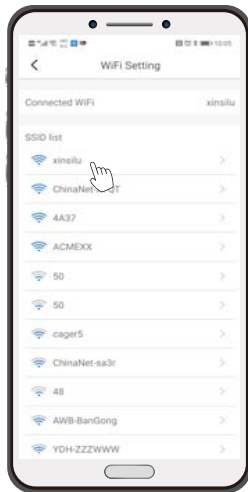
4. After the hotspot is connected, open the APP and the doorbell device is automatically added successfully. Or click the "+" number in the upper right corner to add the device manually (show camera online). Please refer to page 13 for the specific steps of adding equipment.



5. After the device is connected successfully, click Confirm to enter the router settings on the device configuration.

## Introduction of APP main interface features (take Android as an example)

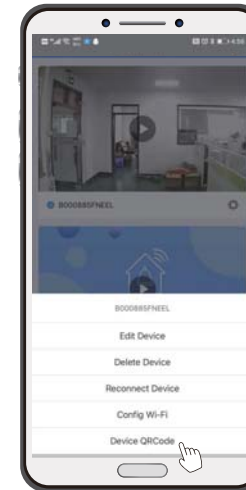
### 1. Device QR code viewing



6. Select the network normally used at home.



7. Enter the wireless password and press Confirm to complete the doorbell network connection configuration.



Long press the online device and click Device QR Code, then you can view the ID QR code of this device.



When you bind the mobile phone APP software, you can scan this QR code and add.

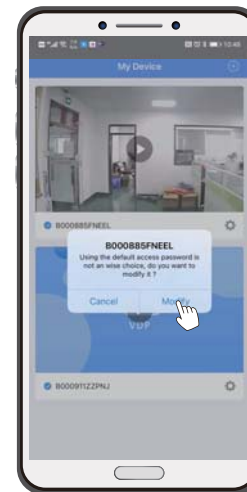
### 2. Change the password of the device



8. When the connection is successful, it indicates that the network configuration is successful. The doorbell restarts and the phone reconnects to the wireless network.

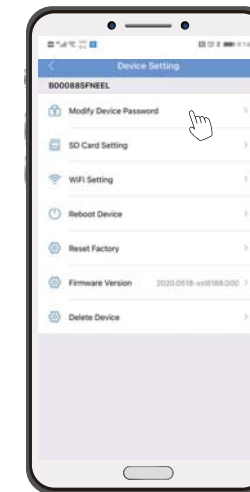


9. After 60 seconds, the doorbell restarts successfully, and the doorbell shows the camera online status again (the blue light in the lower right corner of the indoor extension is always on).



Figures 1

After the doorbell is connected successfully, you will be prompted to change the password or manually enter the advanced configuration to change the password. (Since the system will automatically add devices after downloading APP on the same local area network, please change the default password after the first successful connection to ensure privacy) (Figure 1,2)



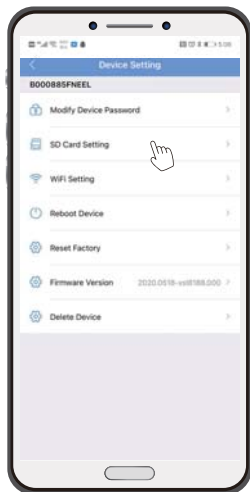
Figures 2



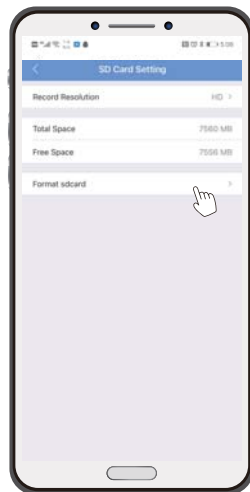
Enter the 6-digit initial device access password (the initial device password is 123456 by default), then enter the 6-digit new device password and click Confirm to complete the device password modification, and you will be prompted that the password change is successful. (shown as figure)

### 3. Format TF card

Please format the memory card for the first time (Note for inserting memory card: insert the TF memory card before the indoor unit is powered on), click Settings to enter the advanced configuration. Then click SD card video settings, and click Format SD card, the system will prompt that SD card is formatted successfully. In addition, if circular video recording is turned on, after the memory card is full of video data, the system automatically overwrites the previous files.



Figures 1



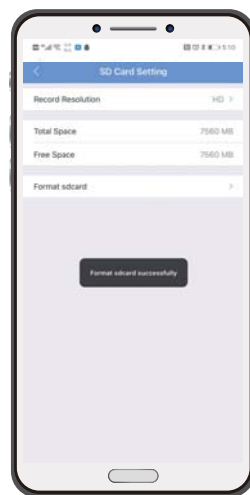
Figures 2



Figures 3

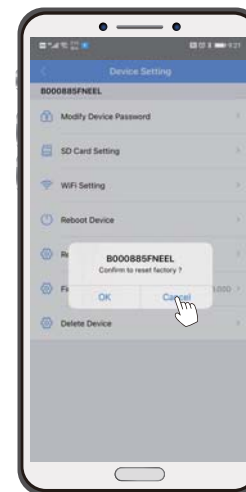


Figures 4



Figures 5

### 4. Restore factory settings



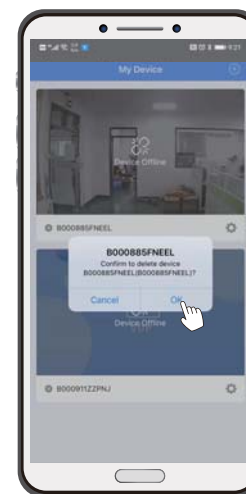
Step 1



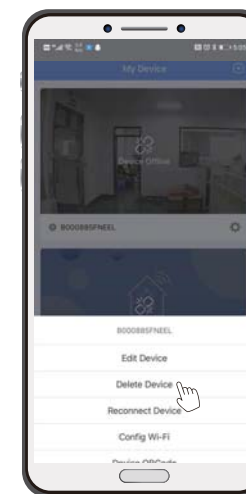
Step 2

Click Confirm to restore the factory settings of the system. Or press the indoor extension mute button for 5 seconds to restore the factory system setting ( Operate the indoor unit in standby mode )

### 5. Delete device



Figures 1



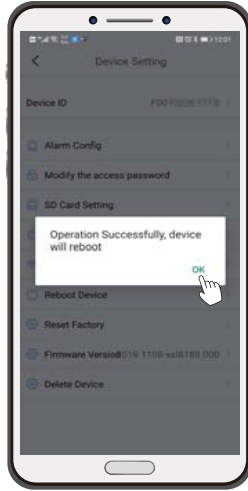
Figures 2

Click Confirm to delete the device (Figure 1). Or long press the online device to enter the settings interface and click Delete the Device Directly. (Figure 2)

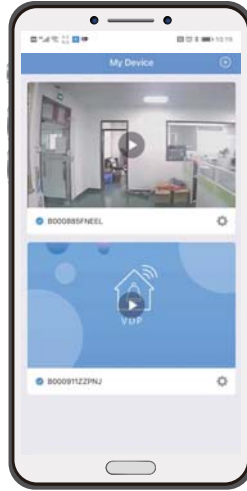
## 6. Restart device



Figures 1

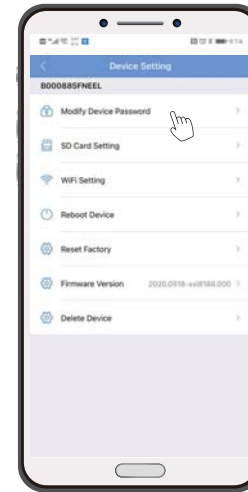


Figures 2

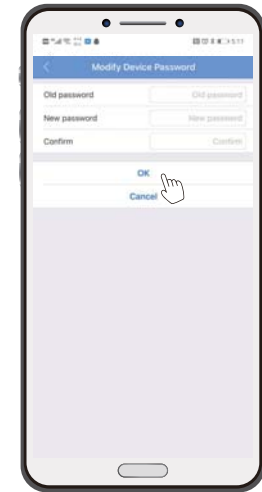


Figures 3

Click Confirm to restart the built-in WiFi module (Figures 1, 2). Or long press the online device to enter the settings interface and click Reconnect (Figure 3)



Figures 3

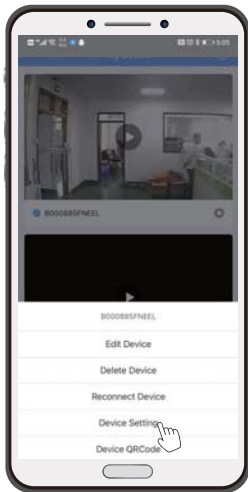


Figures 4

**Special reminder: "Alarm Config" and "IR-LED Config", without these two functions, no setting is required.**

3. Enter the 6-digit initial device access password (the initial device password is 123456 by default), then enter the 6-digit new device password and click Confirm to complete the device password modification. You will be prompted that the password change is successful.

## 7. Advanced configuration



Figures 1

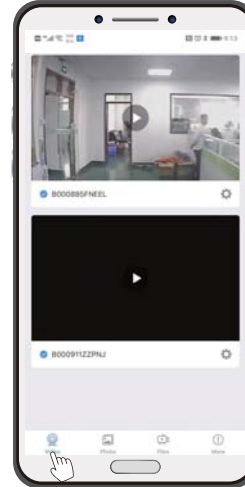
1. Long press the online camera to enter the settings interface or click the settings icon to enter the advanced configuration



Figures 2

2. Modify the access password

## 8. File viewing



a. The device displays: This interface shows the number of devices connected online in the mobile phone, and you can switch and view any device freely.



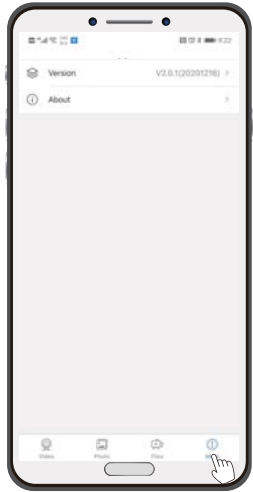
b. Photos viewing: Enter the screenshot folder to view the photos and images saved in the mobile phone. Click the funnel icon in the upper right corner to switch to view the information stored by different devices.



c. View the extension memory card stores video information: Click Video Recording to enter the extension memory card video folder, download and view the extension memory card storage file information. Click the funnel icon in the upper right corner to switch to download and view video information of different devices.



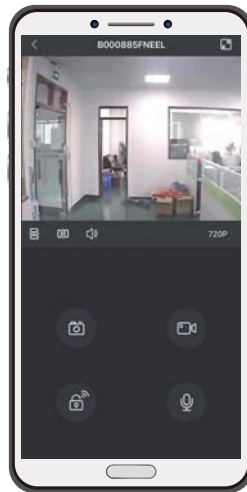
## 9. APP system version viewing



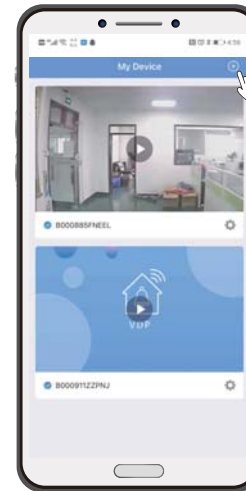
d. Click More to display the current APP software version number.

## Note for mobile phone APP operation

1. When the visitor come for a visit and press the outdoor unit, the indoor unit will ring and display the visitor image, you can directly press the answer button of the indoor unit to make a video call with the visitor, and press the unlock button to open the door.
2. The mobile APP will also receive the message pushed by the server at the same time. You can enter the APP interface to make remote video calls with visitors, open doors remotely, take photos, record videos, etc. When it is answered by the the mobile phone, the indoor unit automatically hangs up and enters the standby mode.
3. When the mobile phone answers and enters the video interface, you need to mute the intercom speaker of the interface before you can hear the sound of outdoor visitors on the mobile phone. When talking to the outdoor unit, you need to long press the microphone icon before the sound of the phone can be transmitted to the outdoor unit (see picture). When the mobile phone is in the intercom state with the outdoor unit or the mobile phone is in the monitoring state, the red indicator light in the lower right corner of the indoor unit will always be on.
4. When the visitor presses the outdoor unit, the system will automatically turn on video recording by default. For manual video recording, videos will be saved in the screenshot folder. If the extended TF memory card has been inserted into the indoor unit, videos will be saved in the video folder for download and view.



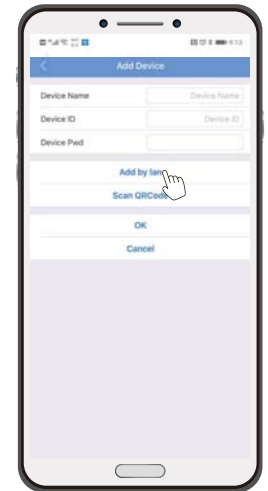
## Add multiple WIFI devices



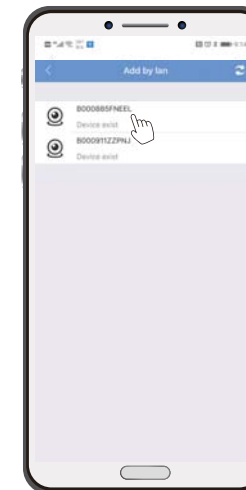
1. Open APP to enter the add page and click the + icon in the upper right corner to add.



2. Click Add Online Camera to the next step



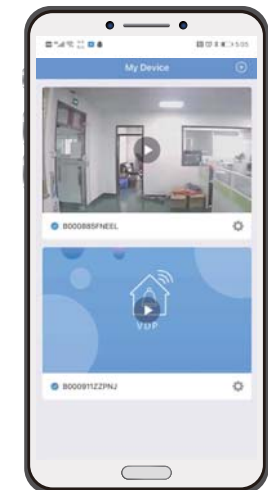
3. Click Search the Local Area Network, search the devices that can be added in the same local area network.



4. Click the device to be added



5. Scan the QR code to add (change the device name and device password and click Confirm to complete the add setting). You can also manually enter the device name, device ID, device password, and then click Confirmed.



6. Finish adding settings

## FAQ

1. "Password is incorrect" is displayed when connecting the indoor unit in APP.  
The user password has been changed. You need to log in with a new password.
2. The indoor unit is found offline in APP.  
Check if the indoor unit is connected to the router (check if the blue light is always on), or check if the phone is connected to WIFI.
3. When an outdoor phone calls, there is no push notification in APP.
  - a. Android phones: Check if the indoor unit and mobile phone network are normal, and if APP is running in the backstage.
  - b. Apple iPhone: Check if the indoor unit and mobile phone network are normal.
4. Problem: Device ID cannot be found when adding doorbell?  
Long press the mute button, restore the factory settings, open the phone WLAN and refresh, and search the device ID again.

## Troubleshooting

Failure Type	Failure Description	Failure Elimination
<b>Sound</b>	No intercom sound	Inspect whether the connection wires of various colors are properly connected and whether the indoor unit can hear the sounds from the outdoor unit.
	Anyone at the indoor unit cannot hear what one says in front of the outdoor unit	<ol style="list-style-type: none"> <li>1. Whether there is ringtone during calling? The main board or microphone of the outdoor unit needs to be repaired or replaced if no ringtone or intercom sound can be heard.</li> <li>2. The indoor unit main board needs to be repaired or replaced if no ringtone or intercom sound can be heard during calling.</li> </ol>
	Anyone at the outdoor unit cannot hear what one says in front of the indoor unit	<ol style="list-style-type: none"> <li>1. Inspect whether a ringback can be heard on the outdoor unit when calling the indoor unit, the ringback means that the outdoor unit works normally.</li> <li>2. If any talk cannot be heard if a ringback can be heard on the outdoor unit, it means that the indoor unit main board or microphone has a failure.</li> <li>3. If no ringback is heard, it means that the speaker or main board of the outdoor unit has a failure.</li> </ol>
	The intercom sound is low	<ol style="list-style-type: none"> <li>1. First of all, determine the distance from the speaker's mouth to the microphone.</li> <li>2. Inspect whether the turbine is rotated to the maximum level.</li> <li>3. Inspect whether the wire diameter exceeds the specified proportion.</li> <li>4. Determine whether original power source is used.</li> <li>5. Use the test wire to test whether the sound is normal.</li> </ol>
	Intercom noise	<ol style="list-style-type: none"> <li>1. Determine whether it is noise due to the short-distance test of the two units.</li> <li>2. Whether the original power source is used.</li> <li>3. Whether the wire for installation is too thin or too long.</li> </ol>
<b>Video</b>	Black screen	<ol style="list-style-type: none"> <li>1. Inspect whether the indoor unit intercom indicator is on. If the intercom indicator is on, it means that the display screen or driver board has a failure and the board needs to be repaired or replaced.</li> <li>2. In case intercom is not working and the indicator is off, determine whether the power source is normal. If the power source is normal and the black screen remains, it is determined that the indoor unit main board needs to be repaired or replaced.</li> </ol>

Failure Type	Failure Description	Failure Elimination
Video	Blue screen	<ol style="list-style-type: none"> <li>1. Inspect whether the wires are correctly connected.</li> <li>2. If the blue screen remains after confirming the wires are correctly connected, it means that the outdoor camera needs to be replaced.</li> </ol>
	Blurred screen	<ol style="list-style-type: none"> <li>1. First of all, determine whether the display screen is damaged, and it shall be replaced if it is damaged.</li> <li>2. If the screen is normal, the driver board needs to be repaired or replaced.</li> </ol>
	The display screen is normally on	<ol style="list-style-type: none"> <li>1. The indoor unit main board needs to be repaired or replaced.</li> </ol>
	The display screen is normally on with whitening, black & white and too bright effects	<ol style="list-style-type: none"> <li>1. If it is whitening, it means that the driver board needs to be repaired or the screen and driver board need to be replaced.</li> <li>2. If it is black &amp; white, adjust the side color turbine. The driver board needs to be repaired or replaced if there is no response. The turbine may have a failure if the colors are unstable when adjusting the turbine, and the turbine or main board needs to be replaced.</li> <li>3. If it is too bright, the side turbine controls brightness, color and intercom sound respectively. Any user may choose the most appropriate position by itself.</li> </ol>
Call	No response after calling	<ol style="list-style-type: none"> <li>1. Inspect whether the power source is normal. Press the monitor button of the indoor unit to see whether the screen is normal. The power source is normal if the screen is normal. If the screen is off, use another power source to test it. If the screen is on, the power source has a failure. If the screen is still off, the indoor unit main board has a failure.</li> <li>2. If the screen is normal, please inspect whether the connection is correct.</li> <li>3. If the screen and wires are normal, short circuit the blue wire and black wire to see whether the indoor unit has ringtone. The outdoor unit has a failure if the blue screen has ringtone.</li> </ol>
	Intercom is normal but no ringtone is heard	<ol style="list-style-type: none"> <li>1. Inspect whether the mute mode is used. Reset it to see whether it can resume to normal state.</li> <li>2. If no ringtone can be heard after resetting it, the indoor unit main board needs to be repaired or replaced.</li> </ol>
Touch key	No response after pressing it	<ol style="list-style-type: none"> <li>1. Inspect whether the device gets stuck due to the rapid responses of the keys.</li> <li>2. Inspect whether many keys are pressed at the same time.</li> </ol>

## Instructions

1. When cleaning the device, power it off first and use soft and dry cloth to wipe it;
2. Don't use benzene, diluent or organic solvent such as gasoline to wipe it, for these may damage the shell or discolor the device and keys;
3. The device shall be installed at a secure place with good ventilation, dry air and without direct sunlight, high-intensity magnetic field or dust;
4. Don't use it with any product not produced by our company;
5. Don't dismantle it without authorization. Please contact your local distributor or our technical department in case it has any failure;
6. Users shall follow the user manual strictly to install and test the product. Please call our company for technical support if you have any question;
7. The door-open button, electronic control lock and access control power supply are not accessories, and users need to purchase them by themselves;
8. The product is updated from time to time, so the manual is for your reference only. Please be subject to the actual product in case there are differences.

## **FCC Requirement**

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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

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

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