

WIFI REMOTE VIDEO DOORBELL



CE FC

MODEL: RL-IP02C

USER MANUAL

CONTENTS

Product Description.....	1
Features.....	1
Package Contents.....	1
Installation Instruction.....	2
Panel Introduction.....	2
Wiring Diagram	3
Operation Instruction.....	3
Technical Parameters.....	8
Sub unit code learning.....	9

Product Description

The product is a video intercom product that integrates wireless remote communication and security alarm functions together. It connects home routers through network wire or WIFI and has the remote video intercom function through mobile phone APP terminal. When there is a visitor, mobile phone will have an active prompt message, users can remotely video intercom with the visitor. The doorbell will automatically send an alarm signal to the user's mobile phone when the motion detection function is turned on and there are image changes detected, the user can confirm the outdoor situation through the video.

Features

1. GK7102 arm processor, Maximum 720P@30FPS 2Mbps H264 encoding, multi-bitrate supported
2. 1M pixels CMOS image sensor, full-size motion compensation H264 encoding technology for high definition images
3. Adopt professional digital noise reduction and echo cancellation algorithm to ensure high quality voice interaction.
4. Mobile phone app remotely unlocking supported
5. Variable networking connection supported, Wifi or wiring.
6. Motion detection function, When moving physical body detected, alarm sound generated and alarm signals will be sent to the user's mobile phone.
7. Night vision function. Infrared night vision light for high quality image at night.
8. QR code sharing supported, you can do the remote pairing connection with the device within effective time after scanning the QR code shared from other users.

FCC WARNINGS

1. 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.

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

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:

Operation Instruction

A. Product Introduction.

- 1). Adopt high-performance ARM SOC chips, 720P CMOS sensor, 85° viewing angle and H264 encode, support infrared night vision function and the night vision range reaches 1.5 meters.
- 2). Support WIFI or wire connection with internet. Adopt 802.11b/g/n protocol, support one-click wifi password setting.
- 3). Motion detection function, alarm signals can be sent to the user's mobile phones.
- 4). Remotely SmartLock unlocking function.
- 5). Adopt professional digital noise reduction and echo cancellation algorithm, duplex two-way intercom is available on both the device terminal and the mobile phone app.
- 6). Max 8 users' APP can be connected to the device at the same time.
- 7).Users can share the device QR code for his friends to connect with the same device.

B. Installation

Power supply instruction.

- DC 12V Power Supply .
- The doorbell can wireless connect with home routers, but if the router's signal is too weak to cover the installation area, high power router is recommended.

APP installation instructions.

- Scan the QR code on the package box to download the APP by your smart mobile phone/apad/ipad etc.

C. Add Devices

- DC 12V power supply, add device through connecting WIFI, Automatically add

- Please make sure the WIFI signals can cover the doorbell's installation area. Connect your mobile phone with WIFI, login the APP > click the "+" button > WIFI configuration enter the WIFI password > start configuration. You can know whether the WIFI > configuration is succeed by the outdoor unit's indicating information. (If the device is already connected with the network, this function will be invalid and restoration operation is needed if you want to restore the function. Please refer to the restoration operation .
- After the device is successfully connected to the network, all the devices on the LAN will be found and displayed on "My device" list. (Please see the pictures below.)



Click the "+" button on the top right corner, scan the QR code and then you can add the device shared by your friends.



D. Device Settings

1) Edit the device name

On "My device" page, click the "Setting" button on the right side to enter device setting interface. Click the "Device Name" to enter device name setting, input the device name you want to set and then click "ok" to save the setting. (Please see the pictures below.)



2) Motion detection setting

Click the "Motion detection" button to enter the setting page, turn on this function and then select the detection time. Note: The motion detection function will be on only during the detection time you selected. Click the "√" button on the top right side to save the setting. (Please see the pictures below.)



E. Video Intercom

1) Real time monitoring

Click the current device to enter the video intercom interface, it will start the talking and video functions between users and outdoor unit. (Please see the pictures below.)

- Unlock: Click the "Unlock" button to release the electric lock.
- Video recording: Click the "Video" button to start video recording, the recorded videos will be saved on the smart terminals, click the "Video" button again to stop recording.
- Photo taking: Click the "Photos" button to take pictures by the device, the taken photos will be saved on the smart terminal.
- End a call: Click "End a call" button to hang up the current call.



2) Incoming calls

When there is a call from the visitor, a calling interface will pop up on the smart terminal. Users can intercom with the visitor after the call is answered. (See the pictures below.)

- Unlock: Click the "Unlock" button to release the electric lock.
- Video recording: Click the "Video" button to start video recording, the recorded videos will be saved on the smart terminals, click the "Video" button again to stop recording.
- Photo taking: Click the "Photos" button to take pictures by the device, the taken photos will be saved on the smart terminal.
- End a call: Click "End a call" button to hang up the current call.



F. Records

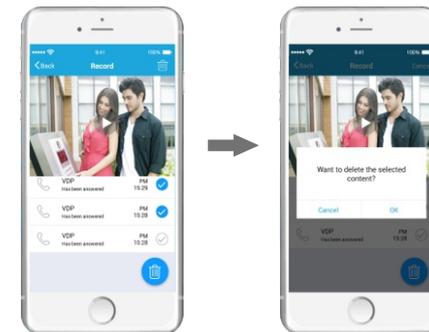
1) Check the records

Click the "Record" button to enter the record page; you can check the calling record information of each device. Slide the media player to check the photos and videos. (See the picture below)



2) Delete Records

Click the "Cancel" button on the top right side, select the records you want to delete and then click the delete button on the bottom right corner, click "ok" to delete the records. (See the pictures below.)



G. APP Settings

1) Ring Setting

Click "Setting" to enter the setting page, clicks "Ring" to set the doorbell ringtone and alarm ringtone (see the pictures below), click the "✓" button on the top right corner to save the setting.



2) Vibrate Setting

Slide the vibrate button to turn on or turn off the vibration function when there is a call or alarm.

3) About

Check the current version, if the current version is not the latest version, you can download the latest APP on our official website.

4) Exit

Click the "Exit" button, the APP will be offline. Calling and alarm information messages will be sent to the user's smart terminals.

H. FAQ

1) The APP cannot find new devices when adding a device.

- Please check whether the doorbell and the mobile phone is in the same LAN.
- If wired network is used, please check whether the network indicator light is on.
- You can reset the device as factory default.

2) Devices not online.

- Please click the refresh button on the top left corner to refresh the device status.
- Please check whether the doorbell is connected to network and the network indicator light is on.
- Please check whether the router's network is normal. Please check whether the mobile phone is connected to network normally.

3) The camera is offline when talking

- Please check the device's online-state.
- 5G network is not supported by the doorbell; please connect the mobile phone with 2.4G WIFI network.
- Please connect the mobile phone and the outdoor unit to the same wireless router. After the network configuration is finished, remote controlling can be achieved on the mobile phone through WIFI or 4G, 5G mobile network.

I. Factory Default Reset

- All the setting will be cleared if the factory reset is done, including WIFI information, access password and alarm information. The operation method is as below:
- Find the reset button on the back of the device, use a needle to press and hold it for 3 seconds under standby mode, you can hear a sound saying "Reset the product successfully, the system will restart", which means the factory reset is done successfully.

Technical Parameters

Camera: one megapixel CMOS
 Power supply: DC 12V
 Working current: <400mA
 Max power consumption: <5W
 Outline size: 163*85*62mm

Sub unit code learning

1)Buttons Instruction :

- ON/OFF: Power on or power off the sub unit
- Code: Coding button
- Melody selection

2)Code learning:

- Load batteries in the sub unit, press the coding button and then release, touch the button on the outdoor main unit (the indicator light will be on and it will transmit signals), the sub unit will sound "DING-DONG" with the indicator light flashing blue light when it receives the signals, which means the code is learned successfully.

3)Code clearing:

- Load batteries in the sub unit, turn the switch to OFF, press and hold the code button, release it in about 2 seconds after turn the switch to ON. The sub unit will sound "DING-DONG" with the indicator light flashing blue light, which means the code is cleared successfully.

4)Technical Specification:

Battery: DC4.5V (AA*3)
 Standby current: <0.25mA
 Max working current: <175mA
 Max volume: >85dB
 Wireless receiving frequency: 433.92MHz
 Receiving distance in open area: ≥ 80m

