2. 4G Wireless Video Door Phone

Manual Instruction

Design change may be taken without prior notice.

I. Introduction

This product adopts the theory of 2.4G digital audio frequency and video wireless transmission, outdoor surveillance and indoor display, bilateral intercom. The indoor monitor has the remote unlock function and can monitor outdoor circumstances at any time, the advanced infrared assisting lumination, which make sure video recording is showed at night. With fashionable and fresh appearance, clear viewing, simple installation way, adding one more scientific protection for your family, this is absolutely an ideal security product for modern families. For better taking advantage of the prior functions, please carefully read our instruction for correct installation and operation.

[Remark]: This manual is for the kit with one camera matching one monitor instead of multiple matching style.

II. Parts

One complete package includes:
- Indoor monitor 1PCS
- Outdoor camera 1PCS
- 12V Power adapter 1PCS
- Bracket 1PCS
- Fitting Screws 10PCS
- Sample wire for E-lock 1PCS

III. Functions

1. Outdoor Unit

- Front View
- Back View

Camera lens
- Infrared sensor
- Fill light
- Speaker
- Microphone
- Short circuit switch
- Buzzer
- Working illuminator
- Label

Power indicator
LCD screen
Speaker
Power light
Indication light

2. Indoor Unit

- SD Card
- Microphone

Button 1: Menu, Confirm, Picture recording (optional)
Press this button to enter into menu operation interface and adjust phone system, picture recording function is optional for the system.

Button 2: Video recording (optional), Exit
Video recording function is optional for door phone system; press this button to exit menu operation.

Button 3: Monitor, Right
Press this button to monitor outdoor circumstance or display its image, turn right function in menu operation.

Button 4: Intercom, Up
Activate conversation between indoor and outdoor units, turn up function in menu operation.

Button 5: Unlock, Down
Press this button to release the lock connected with door phone, turn down function in menu operation.

IV. Operating Instruction

Menu operation instructions

1. How to enter into Menu operation interface.
When power is on, and LCD is closed, press button to enter into Menu operation interface.

2. How to adjust resolution.
After entering into menu, button to option list, press button or button to choose the right item.

3. How to adjust brightness.
Press button to “Brightness”, press button to option list, press button or button to choose the right item.

4. How to adjust Saturation.
Same as above procedures.

5. How to adjust TX volume (transmitter volume)
Press button to “TX volume”, press button to option list, press button or button to choose the right item.

6. How to adjust RX volume (receiver volume)
Same as above procedures.

7. How to adjust Language.
Press button to “Language”, press button to option list, press button or button to choose the right item.

8. How to adjust date.
Press button to “Date”, press button to the item needed to be adjusted, press button or button to adjust.

9. How to adjust time.
Same as above procedures.

The following additional functions will only be activated if add SD card.

- Video playback
- Storage capacity
- Delete capacity
- Restore defaults

How to access additional functions interface.
Press button to enter into operation interface, then press button.

1. How to record videos.
Press button when it is in standby state, press button to record a 10S video. Another press will record a new 10S video, no operation within 45S or pressing monitor button will make it turn to standby state.

2. How to record pictures.
Press button when it is in standby state, press button to take a picture. Another press will record a new picture, no operation within 45S or pressing monitor button will make it turn to standby state.

3. How to check recording videos.
Press button to enter into operation interface, press button, press button, press button again, then press button or button to choose, press button to check recording videos, press button to exit.

4. How to check recording pictures.
Press button to enter into operation interface, press button, press button, press button again, then press button or button to choose, press button to check recording pictures, press button to exit.

5. How to delete recording videos.
Make a long press button (more than 3S) in process of browsing of videos, it will appear “Yes” or “No”, press button to choose “Yes”, press button to delete.

6. How to delete recording pictures.
Make a long press button (more than 3S) in process of browsing of pictures, it will appear “Yes” or “No”, press button to choose “Yes”, press button to delete.

7. How to check storage capacity.
Press button to enter into operation interface, press button, press button, then user can check storage capacity information.

8. How to check storage capacity.
Press button to enter into operation interface, press button, press button, then user can check storage information, press button to exit.
The following additional instructions are for optional SD card functions:

10. AVI/JPG playback. If AVI/JPG format is connected to the telephone system, the user can check recording videos or pictures by activating this function.

11. SD storage usage. User can check storage usage of SD card by activating this function.

12. Default setting

**Function operation instructions**

Firstly, connect the equipments with electricity and check if code has been paired for the two units. After the outdoor camera has been connected to power adapter and then to electricity, indoor monitor has been connected to electric, press Monitor button and Talk button on indoor monitor to check if there are signals for communications for the two units.

**Code pairing instruction**

If the two units have no code pairing, or user changes any one of the indoor and outdoor units that need to do code pairing for the two units, please do it as following:

1. Make a long press (about 5 seconds) on Monitor button until you can see "please press pair key on sensor side" (Pic 1)
2. Press the pair button on the back side of outdoor camera within 10 seconds. (Pic 2)

![Picture 1](image1.png)

![Picture 2](image2.png)

(Pic 1) User can adjust image quality, volume and information showed in screen to hit the spot as the menu operation instruction.

When outdoor visitors press CALL button on outdoor camera, indoor monitor will ring out, indicator light will gleam and image will display at the same time.

House owner operates as belows:

1. Press UNLOCK button to release the lock which is connected with door phone system.
2. Press INTERCOM button to talk with outdoor visitor.
3. If house owner do not want to receive outdoor visitor after monitoring, do not do any operation.

Video image will shut off automatically and return to standby state after 45 seconds. After it shuts off, owner should press MONITOR button again to continue display. During monitoring state, another press on MONITOR button will interrupt monitoring state.

**Monitor and Intercom operation**

Indoor owner can press MONITOR button at any time when indoor monitor is under standby state to watch video image of front door, and color light will gleam at the same time. After MONITOR operation, owner can press INTERCOM button to activate conversation between indoor unit and outdoor unit. LCD screen will close automatically and return to standby state after 60 seconds.

**Unlock operation**

For safety purpose, the lock can be released only when outdoor visitor presses CALL button or indoor monitor is under Monitor state, it will not response to other operation.

**NOTE:** SD card function is an additional function for video door phone, ordinary wireless door phone equipment does not have this function.

**V. Installation Instruction**

**Installation Instruction for outdoor unit**

![Installation Instruction for outdoor unit](image3.png)

Recommended installation height is 1.5m-1.7m.
1. Separate the bracket, take the camera out from it, use screws to fasten accessories package to fix mounting bracket onto the wall. (Pic 1)
2. Fix the camera into the bracket and then push it up to match them together. (Pic 2)
3. Use the screws to fasten it. (Pic 3)
4. Fix the antenna to screw bolt and fasten it. (Pic 4)

**NOTE:**
1. Do not install the outdoor unit where it will be exposed to direct sunlight or any strong reflected light or rain.
2. Do not install the outdoor unit where it will be subjected to extremes of dust or moisture, do not install it near to acid oxides, or any harmful gas which might cause malfunction.
3. Do not install the outdoor unit in a location where the lens filter is likely to get scratched or very dusty.
4. Check cables are connected correctly and camera unit is firmly installed.

**Installation instruction for indoor unit**

![Installation instruction for indoor unit](image4.png)

Recommended installation height is 1.5m to 1.7m.
1. Fix the wall-mounting bracket in the best place by 4 screws and fasten it.
2. Fix the indoor monitor onto the bracket and make them match well.

**NOTE:**
1. Do not install near other electronic equipments such as computer, TV, video recorder as these may cause radiated interference to the unit.
2. Do not drop or shock the unit.
3. Do not spray water or place any flame onto the unit.
4. Remove the power cord from the wall socket when it is not used for long period.
5. This apparatus is designed for moderate climate. Do not use in high humidity, dusty, dirty areas.

**VI. Specifications**

**Outdoor Camera**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>DC12V</td>
</tr>
<tr>
<td>Monitor</td>
<td>1200X1024</td>
</tr>
<tr>
<td>Power</td>
<td>5W</td>
</tr>
<tr>
<td>LCD</td>
<td>7&quot;</td>
</tr>
<tr>
<td>Ring tone</td>
<td>3 rings</td>
</tr>
<tr>
<td>Communication</td>
<td>Standby: 20m Working: 100m</td>
</tr>
<tr>
<td>Weight</td>
<td>2.44kg</td>
</tr>
</tbody>
</table>

**Indoor Monitor**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>DC15V/AC100V-230V</td>
</tr>
<tr>
<td>Camera</td>
<td>7&quot; LCD</td>
</tr>
<tr>
<td>Power</td>
<td>7W</td>
</tr>
<tr>
<td>Ring tone</td>
<td>Free ring tones</td>
</tr>
<tr>
<td>Communication</td>
<td>Standby: 100m Working: 1000m</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2kg</td>
</tr>
</tbody>
</table>

**Simple system diagram:**

![Simple system diagram](image5.png)

**X. Cautions**

- All part should be protected from violent vibration.
- Do not match our products with other video door phones produced by other factories.
- Please do the cleanliness by using soft cotton cloth, do not use organic or chemical impregnate, but a little pure water or dilute soap water to clean dust.
- Image distortion or voice interference may occur if video door phone is too closed to magnetic place or near to radiation.
- Please do not store the products in extreme hot or cold temperature which can shorten the life of electronic devices or distort/melt certain plastics or cause malfunction.

**IX. Trouble Shooting**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check point</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable to start the product</td>
<td>Is it connected to power?</td>
<td>Contact both ends of the unit to power</td>
</tr>
<tr>
<td>No voice between the two units</td>
<td></td>
<td>Turn up volume, reset the volume</td>
</tr>
<tr>
<td>Image is too dark or white</td>
<td>If the brightness is not adjusted</td>
<td>Adjust brightness and contrast to be suitable</td>
</tr>
<tr>
<td>Image is flashing or noise</td>
<td>If the indoor device is cleared TV</td>
<td>Keep the devices off those things with the</td>
</tr>
<tr>
<td></td>
<td>monitor</td>
<td>electronic appliances and magnetic wave</td>
</tr>
<tr>
<td>Indoor monitor shown in signal image</td>
<td></td>
<td>Contact with power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the outdoor receiver is far away from</td>
</tr>
<tr>
<td></td>
<td></td>
<td>indoor monitor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Keep the receiver within 40 meters (strapped</td>
</tr>
<tr>
<td></td>
<td></td>
<td>by radio-wire)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the outdoor receiver is far away from</td>
</tr>
<tr>
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<td>Indoor monitor</td>
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</table>

If code pushing ring has been done? Do code pushing step as instruction.