

## CONTENTS

Product Description.....	1
Features.....	1
Package Contents .....	1
Safety Instruction .....	2
System Installation .....	2
SD Card Instructions For Use.....	5
Operation Instruction .....	6
Technical Specifications .....	11
Trouble Shooting .....	12

## COLOR VIDEO DOORPHONE



## USER MANUAL

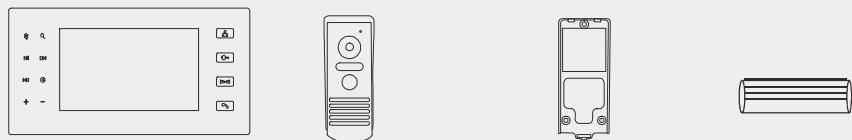
## Product Description

The color video doorphone can be used to call, intercom and control electric door lock and it also can be applied to monitor outside for 24 hours, giving you the combined benefit of security and convenience. It is equipped with SD card to save video recording and pictures automatically. It is a product that very suitable for villa, single house, hotel, office etc .

## Features

- 7" TFT monitor screen with high definition, low power consumption and no radiation.
- Motion detection and auto-recording function.
- Perpetual calendar.
- Talking volume is adjustable on indoor unit.
- Hand-free intercommunication.
- Electric unlocking.
- Gate outdoor unlocking.
- Screen saver picture playing function.
- Built-in 4 chord melody rings or downloaded MP3 for option.
- Chroma, brightness and melody volume adjustable.
- Support max 32G SD card, pictures can be automatically replaced when SD card is fully used.
- Enclosed an adapter and 15m cable for DIY installation.

## Package Contents

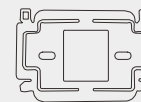


- Indoor unit × 1
- Outdoor unit × 1
- Rain shade × 1
- Silicone cap

1



- Adapter × 1



- Bracket for indoor unit × 1



- Piece of 15m cable × 1



- Screw

## Safety Instruction

- Keep the indoor unit away from high temperature such as near an oven or in direct sunlight, and high humidity such as bathroom and greenhouse.
- Do not install the indoor unit close to a television - the signals the TV and the Intercom use can be interfered with each other.
- Do not touch the unit with wet hands.
- Clean the camera or screen with a soft cloth. Do not use detergent, thinner, volatile or corrosive liquid. Avoid throwing dropping or hitting the units.
- Do not expose the camera of the outdoor unit to direct sunlight.
- Use the product under the circumstance of barrier-free and no interference.
- Avoid power off when recording, otherwise the data would be lost easily.

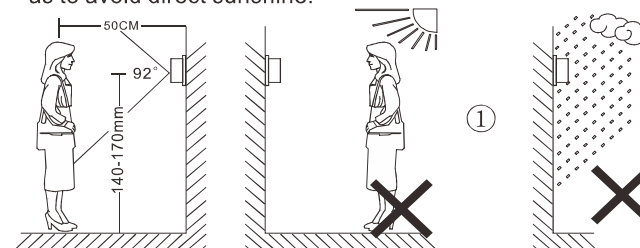
## Caution

1. To prevent damage, the adapter should be fasten on the wall according to instruction.
2. Power plug as disconnecting device should be kept convenient to operate.
3. When connecting AC power line, please plug in the power after the line is connected

## System Installation

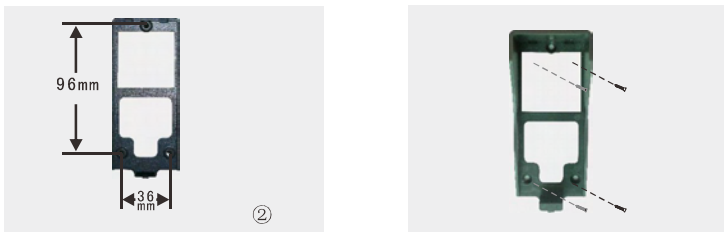
### A. Outdoor Unit

- ① Fix the unit 1.4m - 1.7m high from the ground (according to the camera effect) so as to avoid direct sunshine.



2

- ② Drill two proper holes in the wall, and fasten the rain shade on the wall with screws.



- ③ Refer to the wiring diagram to do the wire connection.  
④ Fix the outdoor unit on the rain shade with screws.

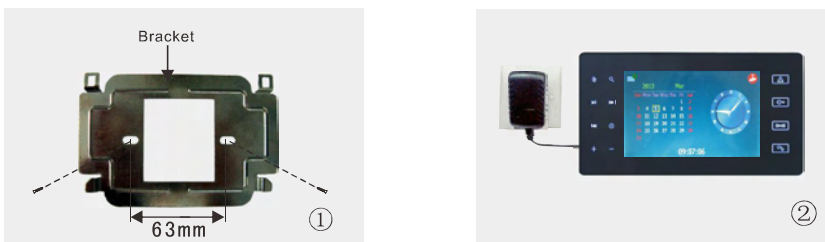


- ⑤ Plug up the screw holes with silicone caps.



## B. Indoor Unit

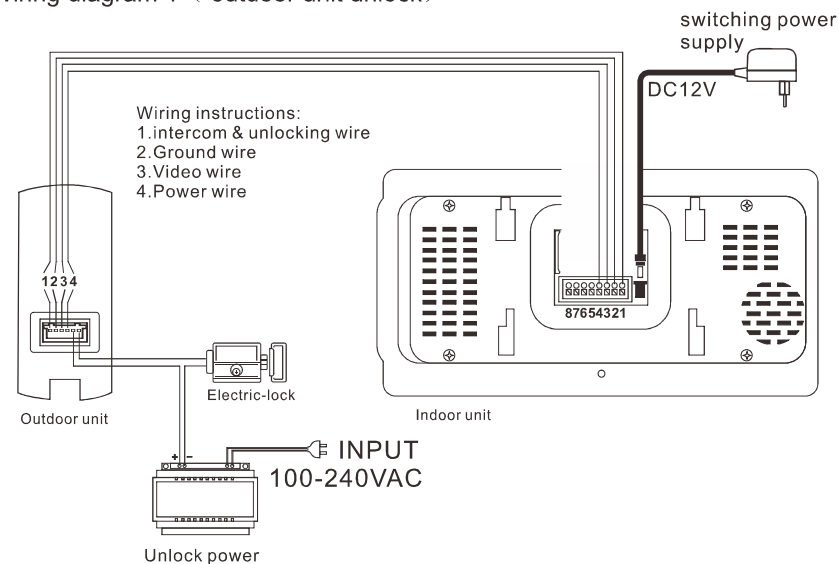
- ① Fasten the bracket on the wall with screws.  
② Hang the unit on the bracket after finishing the connection. Plug the two ends of the jack of the power adapter into the sockets of AC power and the unit respectively. (See wiring diagram1 and 2).



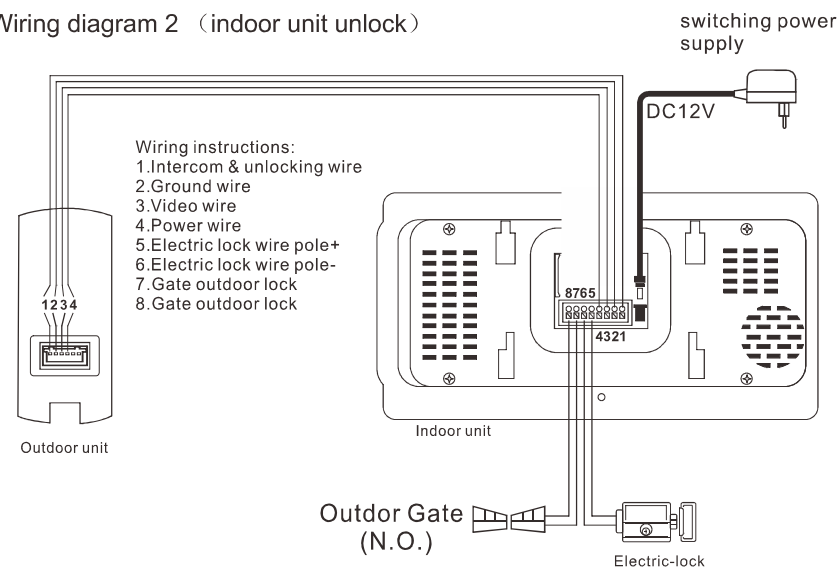
3

## C. Wiring Diagram

C1. Wiring diagram 1 ( outdoor unit unlock )



C2. Wiring diagram 2 ( indoor unit unlock )



4

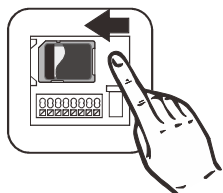
### Cable Lengthening Configuration

- Enclosed cable length is 15m, if the user wants to lengthen the cable into 15m - 50m, use RVV4 x 0.5mm<sup>2</sup> connecting wire.
- Connect the wiring terminals 1 2 3 4 of indoor unit with wiring terminals 1 2 3 4 of outdoor unit respectively.
- The wiring terminals 5,6 of indoor unit or outdoor unit are connected with electric-controlled door lock through RVV2X1.0mm<sup>2</sup> .The wiring terminals of 7&8 are connected with gate outdoor lock, only switching signal is provided.

### SD Card Instructions For Use



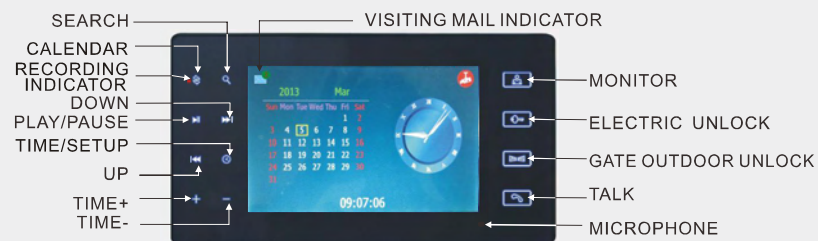
Professional SD card



An SD card slot on the back of the indoor unit is used to insert the SD card. You can use the SD card to store video file, it is recommended to use professional SD card and supports 32GB maximum capacity. In power-off status, insert the SD card along the expansion slot (with patterned side facing users), then gently push the card into the slot and indicating sound will be heard. If you want to remove the SD, just simply press the SD card again, no start-up software is needed.(Attention: power off status is needed for the operation).

## Operation Instruction

### Indoor Unit



### Outdoor Unit



## A.VIDEO INTERCOM

- 1.The indoor unit will ring when someone presses the button of outdoor unit, and the screen will display the image of visitor and start recording automatically with date REC 00:00:00. Press button to have the intercom, the talking can last for 120 seconds, press again to finish the intercom. If no one answers the call after 60 seconds, the indoor monitor will return to the standby mode, displaying perpetual calendar and digital clock. (Attention: Built-in four chord melody rings or downloaded MP3 for options)
2. Press MONITOR button in the standby mode to monitor the outside, you can see the outside and hear the sound from outside, but the outside can not hear the sound from inside. Press MONITOR again to return to standby mode displaying perpetual calendar and clock.
3. Press UNLOCK button to release the electric door lock. (external power supply is needed to connect outdoor unit with electric lock, meanwhile, indoor unit should not be connected with electric lock. More details please refer to the wiring diagram)
4. Press GATE OUTDOOR UNLOCK to release the gate door lock.
5. Press (🔊) to enter rings selection menus.Press (+/-) to choose rings. If there are too many rings inside, you can press (⏪) or (⏩) to seek quickly and press (▶) to select the song as the ring and finally press (🔊) to turn back to main menus. (Attention: The rings' name shall be in the same language of the machine, if the machine is in English, the name of ring shall be English or digits, otherwise it may fail to display.
6. Use TALK VOLUME to adjust the volume of intercom.
7. Use BRIGHTNESS and CHROMA to adjust how light the image appears and how much color is in the image respectively. (Attention: brightness and chroma can not be adjusted while playing recordings)
8. Please take off the protective film for best performance.

## B.VIDEO RECORDING

- 1.Press(👤) button on perpetual calendar interface and adjust the brightness and chroma first, pay attention that it is impossible to adjust the brightness and chroma when playing the video record.
- 2.It will start recording automatically into SD card when visitor presses button with recording indicator light blinks and it stops when the intercommunication is finished. If no one presses button to answer the call, the recording will be deemed as unread and saved as a file named \*\*\*NEWREC\*\*\*.avi, the first three stars stand for the serial number of the recording, the rest s stars stand for year, month, date, hour and minute. If there is person presses TALK button to answer the call, the recording will be deemed as read and saved as a file named \*\*\*REC\*\*\*.avi. The unread files will display on the upper left corner to remind host how many visitors came.For example:if there are 10 "\*\*\*REC\*\*\*.avi",they will be displayed on the upper left corner.
- 3.If the indoor unit detects moving things outside in standby mode, it will start recording automatically and recording file will be saved in the way of "\*\*\*REC\*\*\*.avi" in the indoor unit.

## C. PLAY VIDEO RECORDING

- 1.Press (🔍) on perpetual calendar interface, all video recordings on SD card will show chronologically. The unread recording will be showed on top with "\*\*\*NEWREC\*\*\*.avi". The read ones will be marked with "\*\*\*REC\*\*\*.avi". When you choose (+/-) to select the file you want to read, if there are too many files,you can press "up"or "down" to seek quickly and then press (▶) to play the recording.If the current video is finished it will continue to play the next video. All the video will be played one by one and start from the first video after a circulation.During the play, press (▶) to stop playing and press it again to continue the playing.
- 2.Press (⏩)and (⏪) to turn pages and press (+/-) to choose the video record.

3. Press ( ▶▶ ) during the play to play next video record.
4. Press ( ◀◀ ) during the play to play previous video record.
5. Press ( 🔍 ) during the play to return to the video record list.
6. Press ( ⌂ ) during the play to return to the perpetual calendar interface.
7. On perpetual calendar interface, press ( 🔍 ) to display all of the recorded video files and press ( ⌚ ) to enter into deleting menus. Press ( +/− ) to choose to whether delete the selected file or not and then press ( ▶▶ ) to confirm it.

#### D. TIME SETTING

Press "⌚" on the perpetual calendar interface to enter into the interface of time setting, press it again to choose YEAR, MON, DAY, HOUR, MIN or SEC, then press ( + ) and ( − ) to set the exact value, press ( ▶▶ ) to confirm the modification, press ( ⌂ ) to exit after the setting.

#### E. SD CARD FORMATTING

Hold ( ⌂ ) for 5s on perpetual calendar interface to enter into the SD card formatting status, press ( + ) and ( − ) to choose Y/N, press ( ▶▶ ) to confirm the formatting. Press ( ⌂ ) to exit after the setting.

#### F. MP3 setting

In the perpetual calendar interface, press the right ( ➡ ) to enter MP3 setting mode. Press ( +/− ) to choose rings, press ( ▶▶ ) to confirm and press ( ⌂ ) to turn back when finished; if the selected rings need to be deleted, press ( ⌚ ) to enter into deleting interface and press ( +/− ) to choose Yes/No to delete the ring. If choosing Yes, then press ( ▶▶ ) to delete it. (Attention: rings in 000-004 can not be deleted. )

#### G. Screen saver picture playing setting

In the perpetual calendar interface, Press ( ▶▶ ) set the playing time of screen saver picture, press ( +/− ) to set the time (max 30s), for example to set 10s, 10s later in standby mode, it starts playing screen saver picture; if set 0s, it becomes black screen 1min later. Press the buttons on the left,



it will enter into the displaying state. Pictures support JPG format, max 20,000,000 pixels, larger than that can not be displayed. Meanwhile, the pictures' name shall be in the same language of the machine, if the machine is in English, the name of picture shall be English or digits, otherwise it may fail to display.




#### H. Motion detector setting

Hold ( ⌚ ) for 5s in standby mode displaying perpetual calendar and digital clock to enter into the interface of motion detector setting.

1. Sensitivity setting: H/M/L three levels, press button ( ▶▶ ) towards lower sensitivity and ( ◀◀ ) towards higher sensitivity.
2. Turn motion detector on/off: press ( + ) to turn on and ( − ) to turn off, then press ( ▶▶ ) to confirm the setting.
3. When the motion is turned off, only when visitor presses the call button shall the video recording function work.

#### I. Multi-media function

1. With SD card reader, you can upload JPG screen saver pictures into the unit or download video recordings from the unit.
2. Put the SD card into card reader and connect to computer, if it indicates successful connection, click my computer  twice and you will find a removable disk , click it twice and you will find the following files:

-  iVideo Is used to store all the recordings
-  PIC is used to store JPG screen saver pictures
-  ring is used to store Mp3

Note: put SD card into indoor unit and then put out, the SD card will create the three files above.

## Technical Specifications

### Indoor Unit

Screen Size	7"	Monitoring time	60S±10%
Resolution	800RGB X 480 Pixel	Talking time	120S±10%
Effective Area	154.08×86.58 mm	Working Distance	50m(2×0.5mm <sup>2</sup> )
Pixel Dimension	0.0642 X 0.1790 mm	Power Consumption	Static state <5W Working state <9W
Adapter Input Voltage	AC100-240V 50Hz/60Hz	Operating Temperature	-10℃ ~+40℃
Adapter Output Voltage & Current	DC12V 1100mA	Relative Humidity	10%~90% (RH)
Screen Outline Dimension	164.9(W)×100.0(H)×5.7 (D) mm	Outline Size	274×140×23 mm

### Outdoor Unit

Working Distance of Infrared Light	>4m
Operating Temperature	-15℃ ~+50℃
Illumination	2LUX
Resolution	>380 TV lines (CMOS)
	>420 TV lines (CCD)
	>500 TV lines (ACS)
Viewing Angle	69° wide angle (CMOS)
	92° wide angle (CCD)
	92° wide angle (ACS)
Outline Size	130×51×47 mm

## Trouble Shooting

Problem	Solutions
No Video/Audio	<ul style="list-style-type: none"> <li>• Make sure all the connections are secured and properly connected.</li> <li>• Make sure there is nothing obstructing the view of the camera.</li> <li>• Check if the speaker is damaged.</li> </ul>
No Video, but intercommunication is normal	<ul style="list-style-type: none"> <li>• Make sure all the connections are secured and properly connected.</li> <li>• Make sure there is nothing obstructing the view of the camera.</li> </ul>
No Audio when calling	<ul style="list-style-type: none"> <li>• Make sure the volume notch on the indoor unit is turned up.</li> <li>• Make sure that there is nothing interfering with the speaker or microphone on the indoor unit or the camera.</li> <li>• Make sure all the connections are secured and properly connected.</li> </ul>
The outdoor unit can not call the indoor unit	<ul style="list-style-type: none"> <li>• Make sure all the connections are secured and properly connected.</li> </ul>
Door Unlock not Functioning	<ul style="list-style-type: none"> <li>• Make sure the connections with the locks are secured and properly connected.</li> <li>• Make sure you have the lock wired to a power source enough to make it operate.</li> </ul>
No one can hear me outside but I can hear them after calling	<ul style="list-style-type: none"> <li>• Press TALK key for two-way intercom</li> <li>• Make sure all the connections are secured and properly connected</li> </ul>
I can hear outside, but outdoor unit can not hear indoor unit when monitoring	<ul style="list-style-type: none"> <li>• Press TALK key to make sure intercoming for only pressing monitor button will stop the sound of indoor unit transmitting to outdoor.</li> <li>• Check that the wiring is correct or not and whether is plugged stably.</li> </ul>
Auto-recording function is not working when there is someone moving in front of the outdoor camera	<ul style="list-style-type: none"> <li>• Press Time button to check whether you have turned the motion sensor off.</li> <li>• Make sure the SD card is well inserted.</li> </ul>