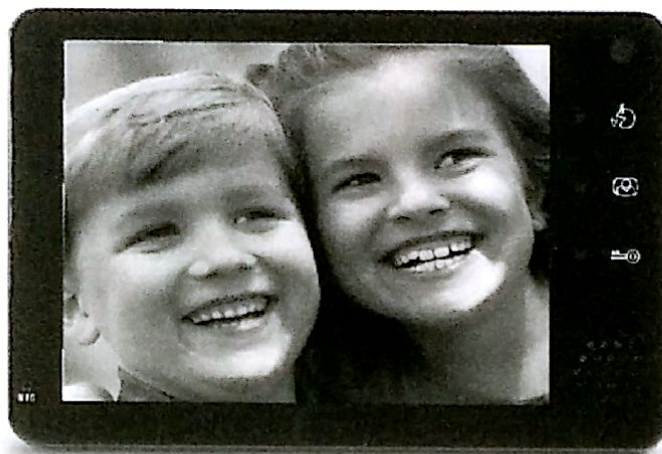


# HAND-FREE COLOR VIDEO DOORPHONE



## ***Installation and Operation Manual***

## TABLE OF CONTENTS

1. Brief introduction .....	1
2. Functions .....	2
3. Descriptions as illustrated .....	3
4. Preparations before installation .....	4
5. Installation .....	5
6. Wire connection .....	8
7. Operation .....	12
8. Operation and explanation of remote control .....	18
9. Note .....	20
10. Trouble shooting .....	21
11. Specifications .....	21

## 1. Brief introduction

Thanks for using our products, the four wires system video doorphone is a luxury used to villas for safety. It is used advanced technology and newest chipset, which improves the stability of the system and far distance. The system has the function such as: hand-free surveillance, visible phone, lock control, infrared vigil, two audio/video input, Insert a card for image record, video, auto turn off and so on. The system has multi-tie in function such as one camera to one monitor, one to two, one to three, two to one and two to two. Which satisfied by customer's require for different villas.

The products is faddish, goodliness, generous, thinner and hanging on the wall as a adornment. The function is dependable and easy to use, it is the perfect family burglarproof facility and widely used in flats, villa, office and public building, which is the best present for your friends.

For the sake of your safety, please use series burglarproof facility!  
It will make your life safe and easy!

## 2. Functions

### ● Powerful function

Hand-free surveillance, auto display while calling, visible phone, lock control, infrared vigil, two audio/video input, Auto switching, recognise inputting AV channels, Image record.

### ● Hand-free phone

While calling by the visitor, you only need to press hand-free button and then communicate with the visitor. You do not need to take the phone by hand, easy to use.

### ● High solution picture

Using the high resolution camera and 7 inch TFT LCD color digital screen. The resolution is  $800 \times \text{RGB} \times 600$ . The picture is clear, nice, colorful and steady.

### ● Conveniency in installation

It is very simple to install, easily using and maintain.

### ● Thinner for hanging on the wall

Faddish, thinner for hanging on the wall, generous, portable, take less place, which as a adornment.

### ● Multi Connection

The system can be installed in multi tie-in manners as one camera to one monitor, one to two, one to three, two to one and two to two. It can satisfy the kinds of villas.

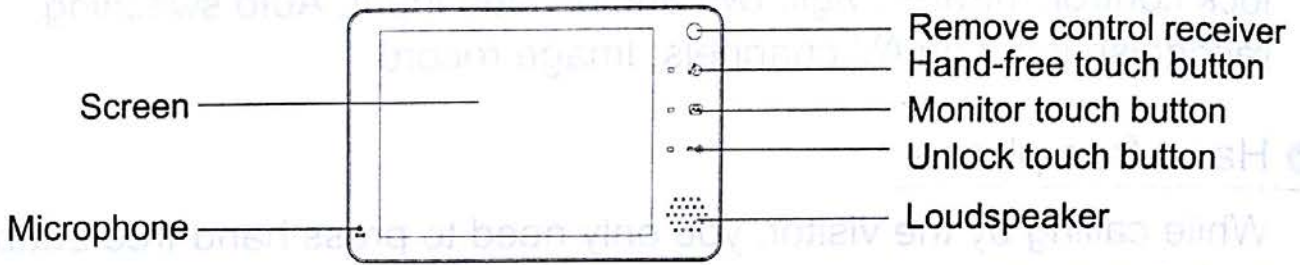
### ● Security

Infrared vigil: the system also can monitor and see the visitor clearly at night. Sure who is there before unlock, which is safer.

### 3. Descriptions as illustrated

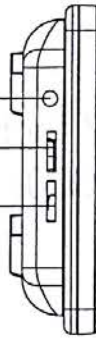
#### 1. Indoor-monitor

##### Front side



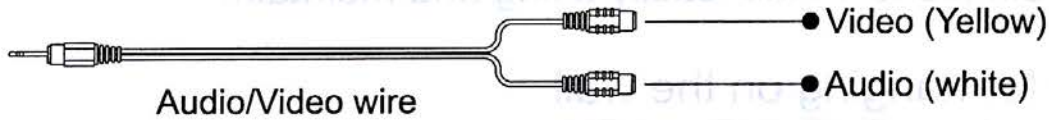
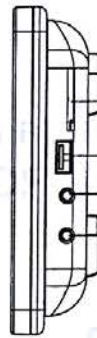
##### Left side

- DC 13.5V Input
- Communication
- Volume Adjust
- Brightness Adjust



##### Right side

- SD Card slot
- Procedure upgrade USB
- AV Input①
- AV Input②

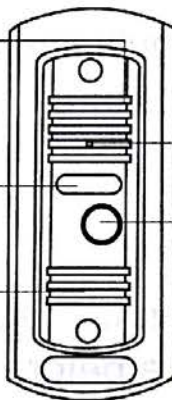


#### 2. Camera

**Microphone**  
for communication with the indoor monitor

**Infrared light tube**  
The in-set Infrared light tube enable you to distinguish the visitor under the insufficient light

**Loud Speaker**

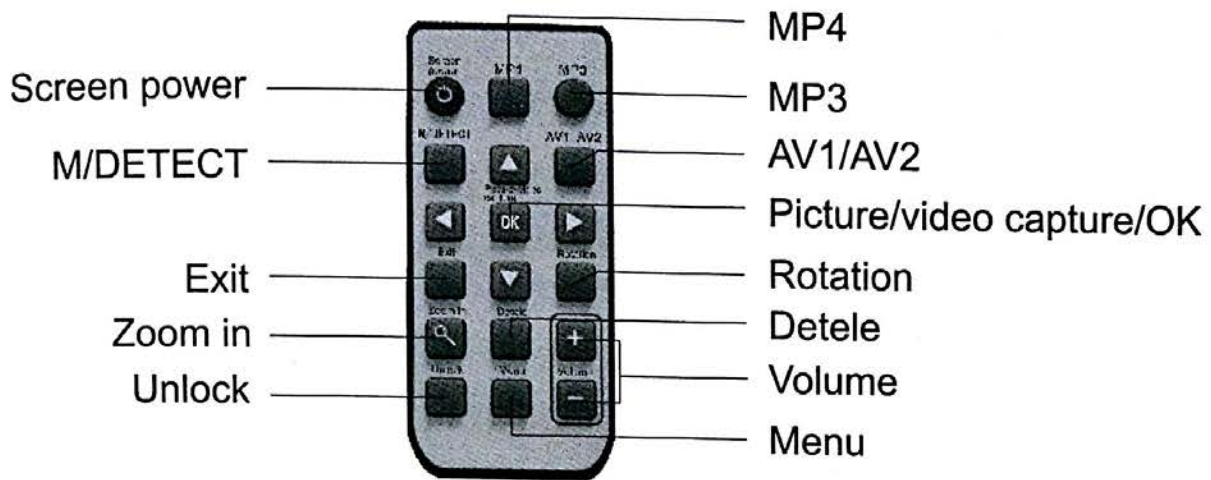


**Pinhole lens of the Camera**  
The lens can transmit the picture of the visitor to the monitor

**Call button**  
When the visitor presses this button, the visitor's picture will be displayed on the monitor and a sound of music will remind you the visitor's coming.

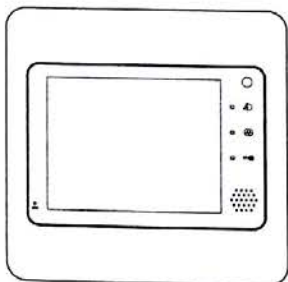
### 3. Descriptions as illustrated

#### 3. Remote Control

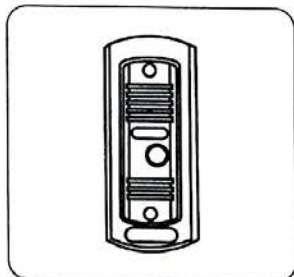


### 4. Preparations before installation

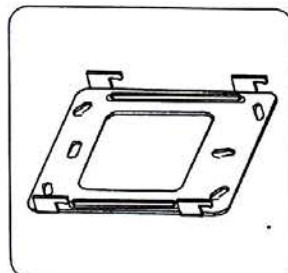
#### Check the pack



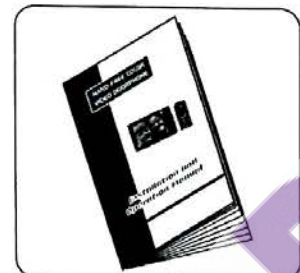
Indoor monitor



Camera



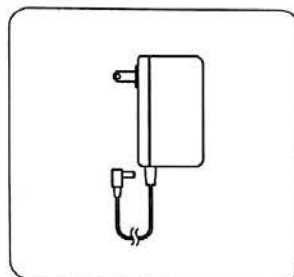
Monitor bracket



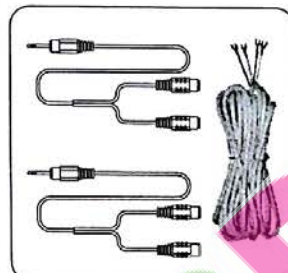
Operation manual



Remote Control



DC Adapter



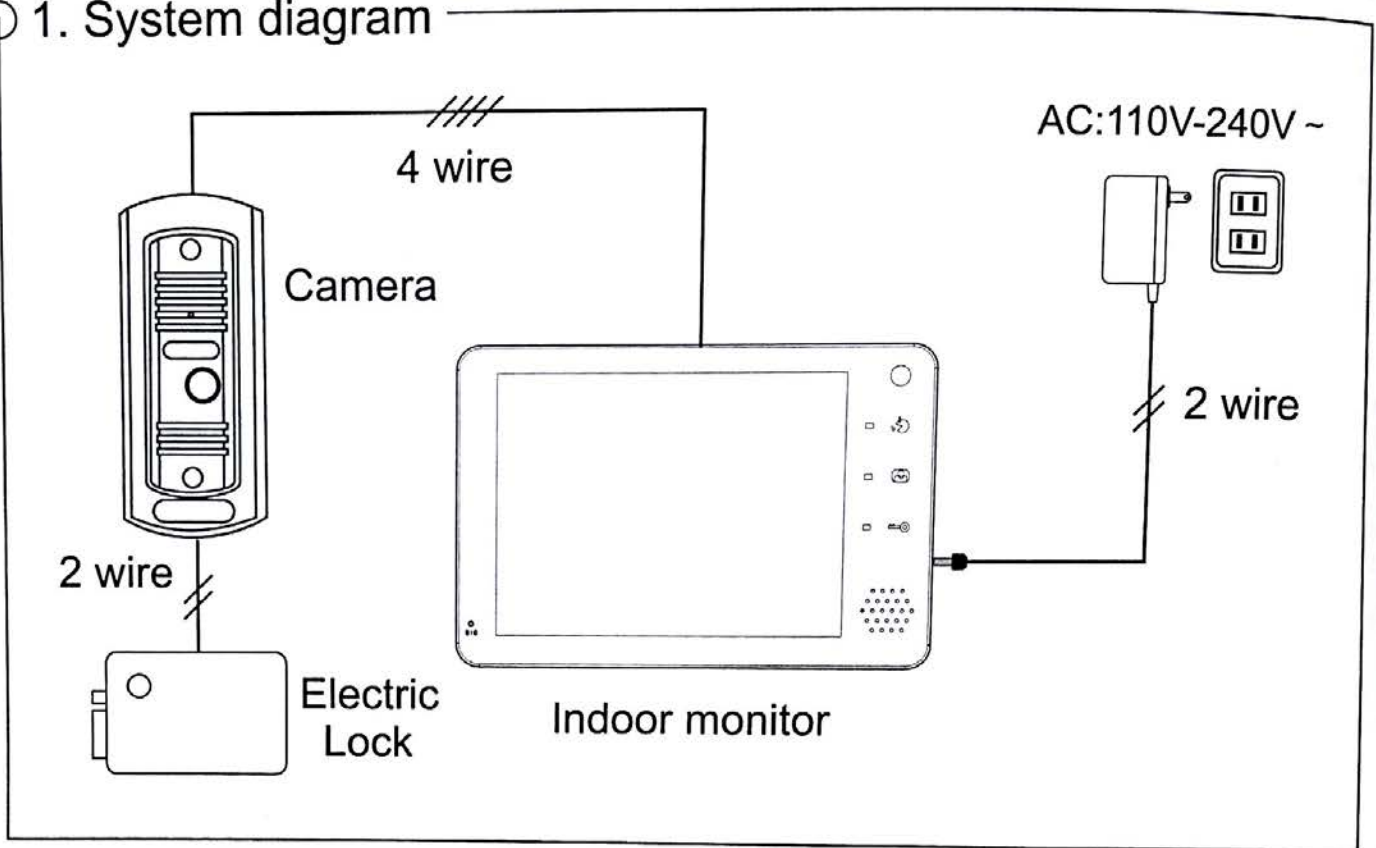
AV card and wire



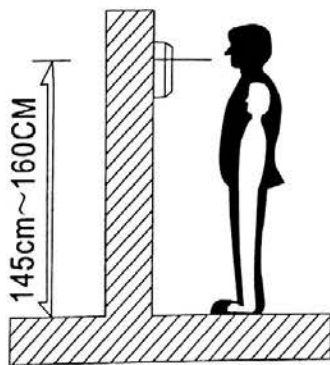
Screw

## 5. Installation

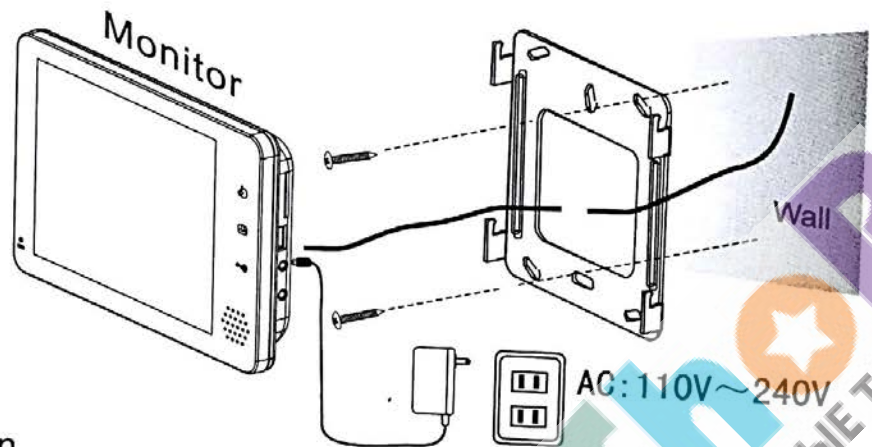
### 1. System diagram



### 2. Installation of the monitor



The optimum height of the monitor for installation is 145 cm ~ 160cm from the centre of the screen of the monitor to the ground. (This data provides to consult only)



Take two bolts fix the bottom piece on the wall and then install the monitor

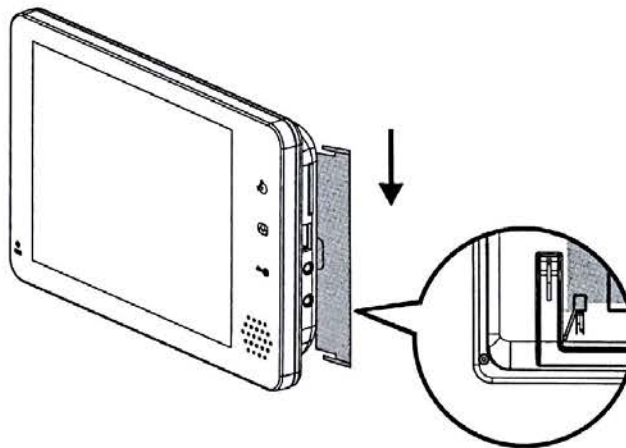
## 5. Installation

### 2. Installation of the monitor

#### Method 1

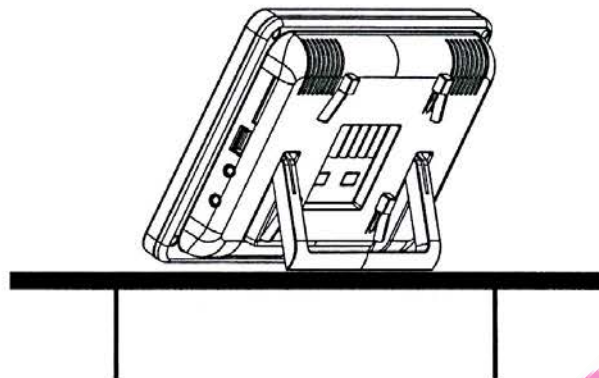
※ Please follow the below steps before installation:

1. Push indoor unit to mount bracket from the top to the down.



※ Following up procedure to operate when you want to unhang the monitor

#### Method 2

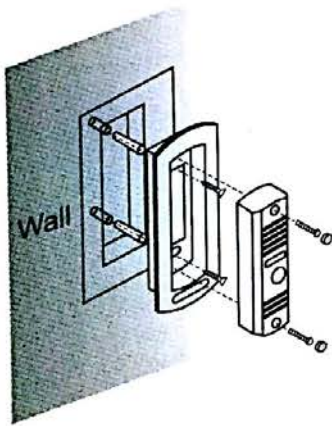
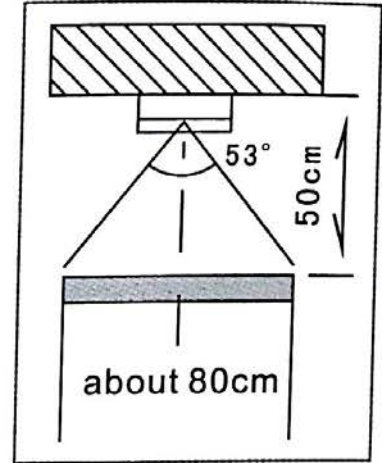
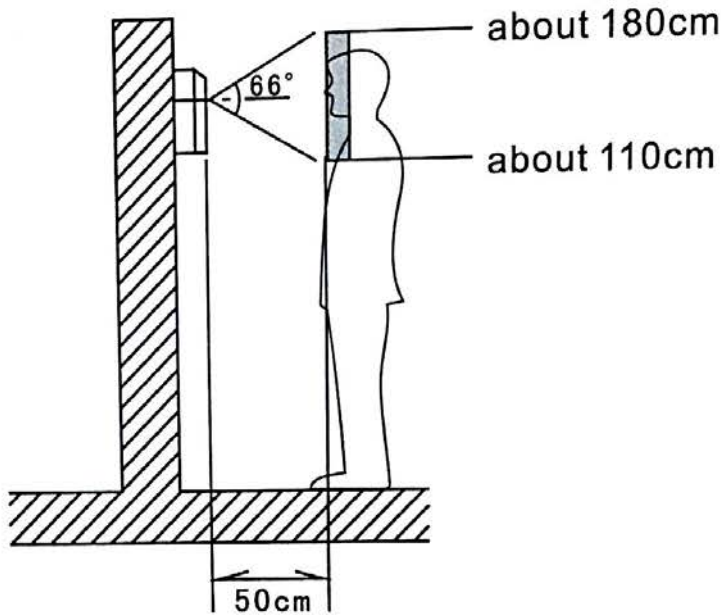


※ Use the holder to turn it to the right position you need.

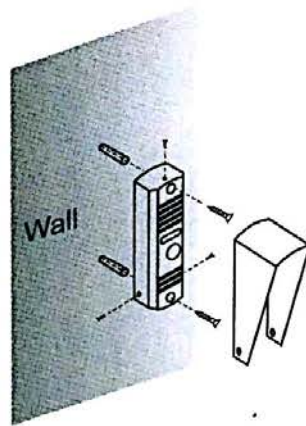


## 3. Installation of the camera

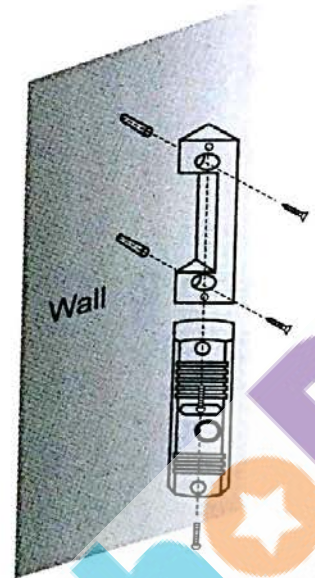
### Positioning



(1) Flush mount type



(2) Surface mount type



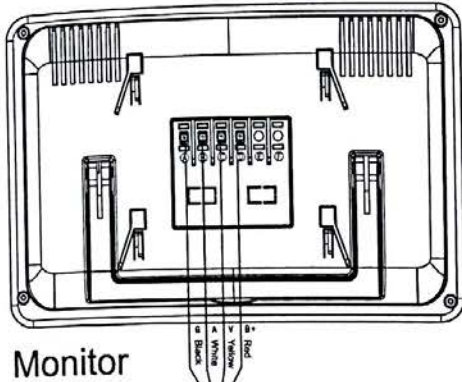
(3) Bevel-surface mount type

### Notice:

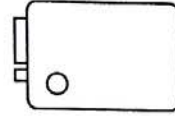
Do not install the camera on the places under the sunshine. If the street light or other light reflect at the back of the visitor, you need to install lamps to make the picture more clearer.

# 6. Wire connection

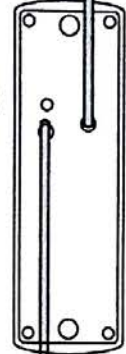
## 1. Diagram of one to one



Electric Lock

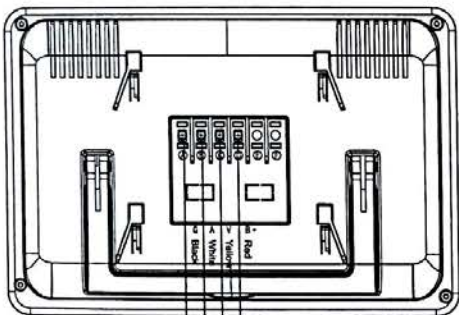


Camera



- (A) — Black wire for ground wire
- (B) — White wire for audio wire
- (C) — Yellow wire for video wire
- (D) — Red wire for power wire

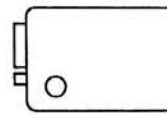
## 2. Diagram of one to two



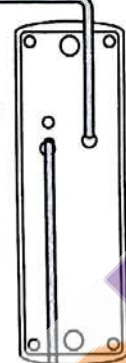
Monitor 2

Monitor 1

Electric Lock



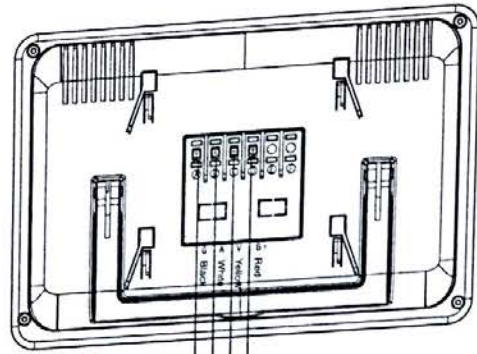
Camera



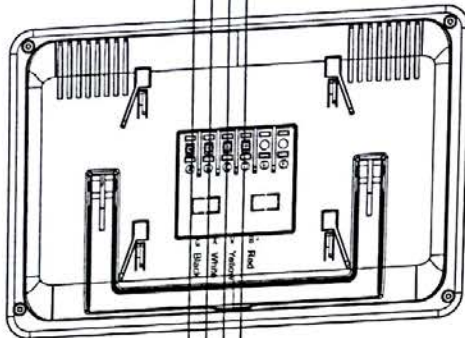
- (A) — Black wire for ground wire
- (B) — White wire for audio wire
- (C) — Yellow wire for video wire
- (D) — Red wire for power wire

## 6. Wire connection

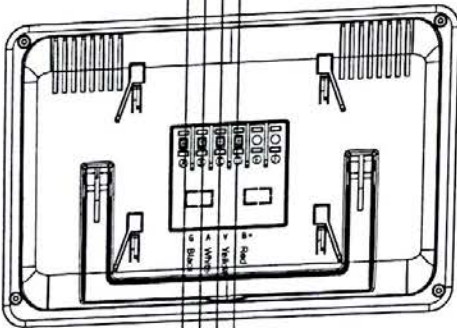
### 3. Diagram of one to three



Monitor 3

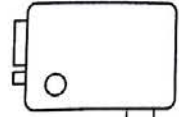


Monitor 2

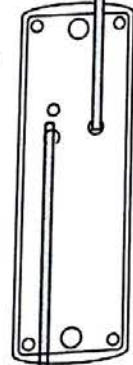


Monitor 1

Electric Lock

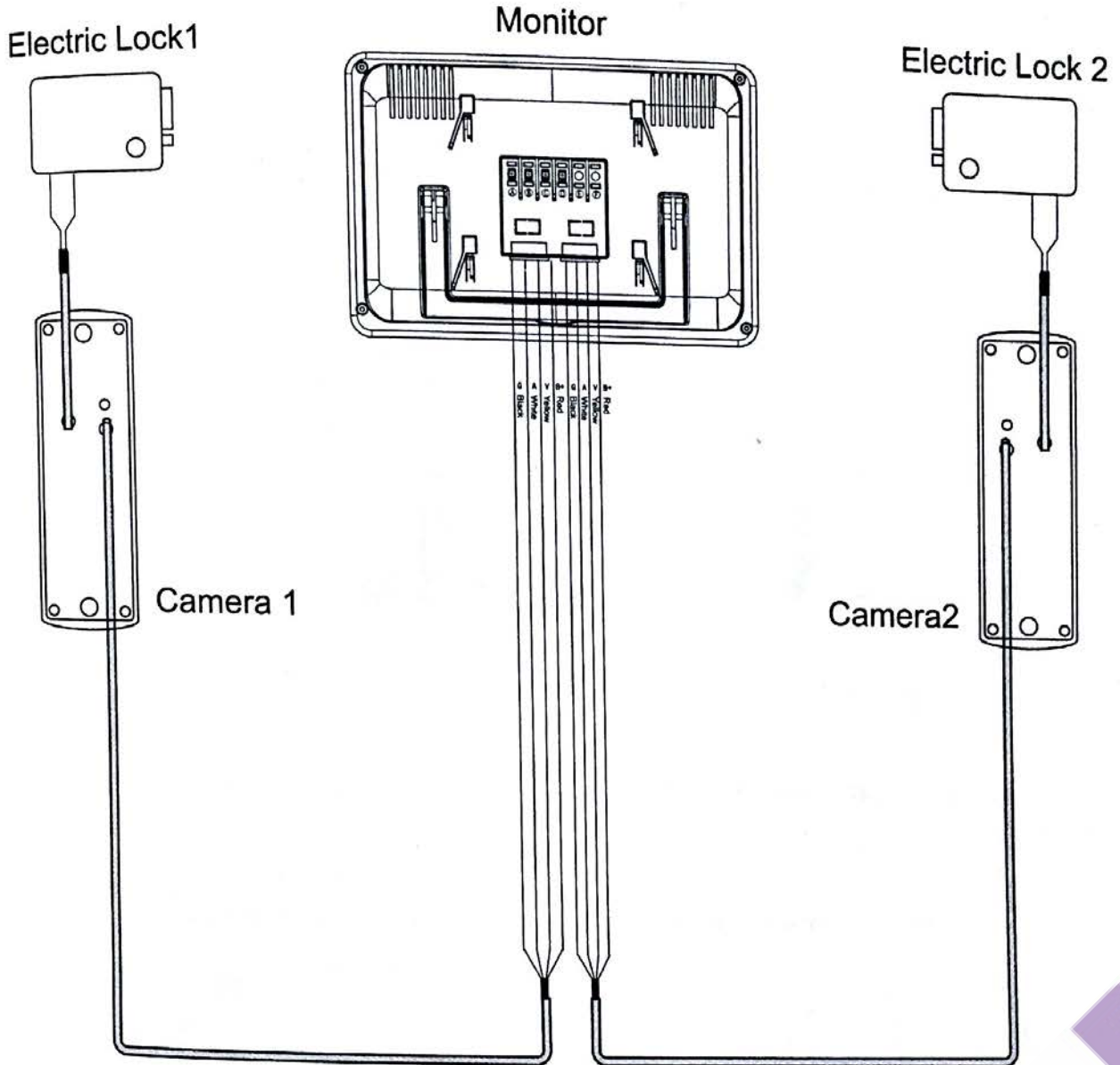


Camera



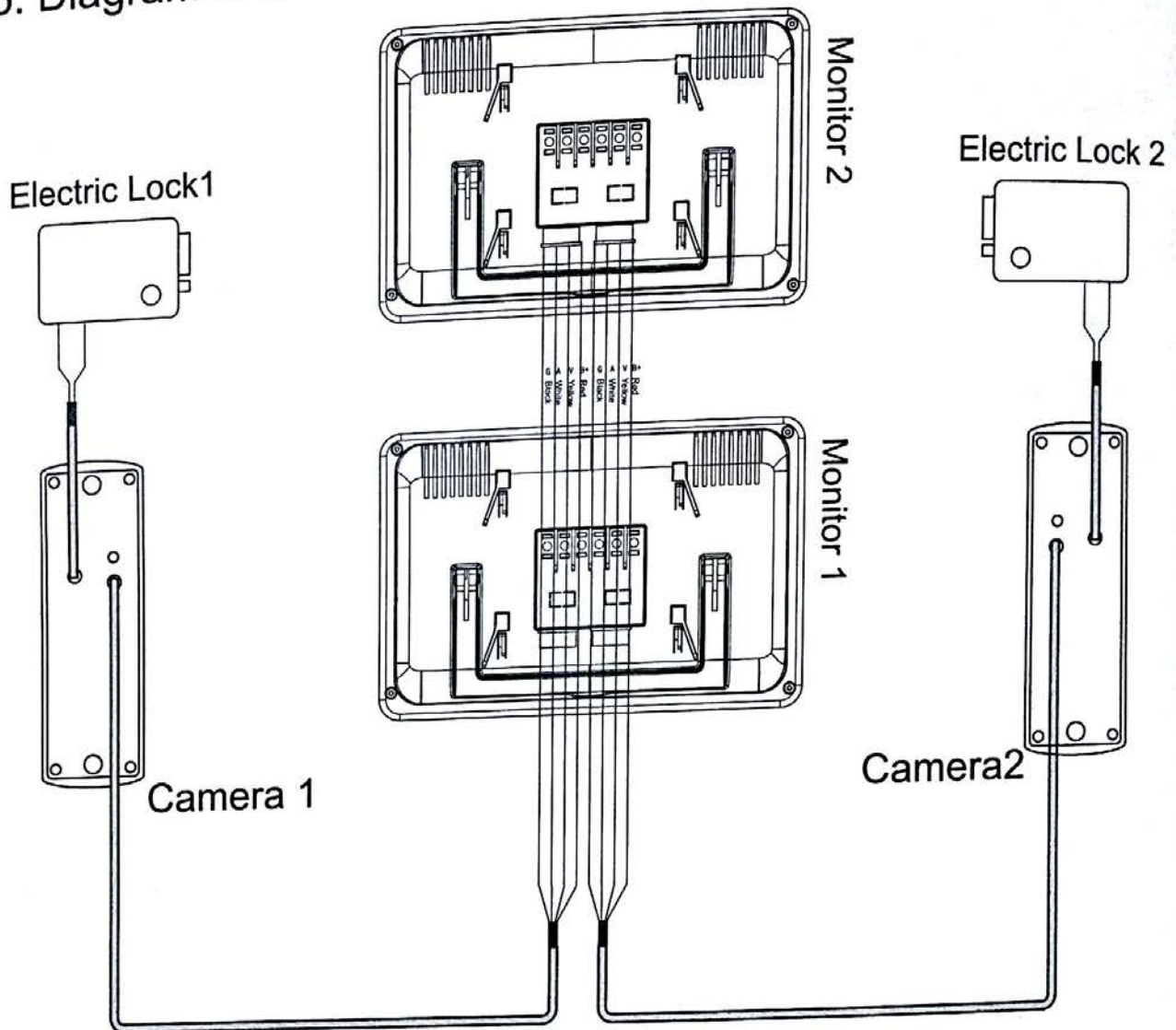
- (A) — Black wire for ground wire
- (B) — White wire for audio wire
- (C) — Yellow wire for video wire
- (D) — Red wire for power wire

## 4. Diagram of two to one



- Ⓐ — Black wire for ground wire
- Ⓑ — White wire for audio wire
- Ⓒ — Yellow wire for video wire
- Ⓓ — Red wire for power wire

## 5. Diagram of two to two



- (A) — Black wire for ground wire
- (B) — White wire for audio wire
- (C) — Yellow wire for video wire
- (D) — Red wire for power wire

### Notice

1. Before install, please take off the power supply. And plug on the power supply after installation.
2. The length connecting wire between the camera and the monitor must be less than 100 metres.
3. For the clear picture, it is recommended to use the copper wire of  $4 \times 0.75\text{mm}^2$ .

### ■ Calling by the visitor

While the visitor press the Call button, the Ding Dong sound will be heard from the indoor monitor, and the picture of the visitor is displayed on the monitor screen, and detail record for visitors' images to SD card. If no people at home or fail to press Hand-free button in time, the screen will be closed automatically at 3 minute.

When seeing the picture of the visitor, press the Hand-free button to communicate with the visitor, and press the button again to turn off the monitor.

After press "HF" with 1 minute, monitor will be closed. If the communication continue over 3 minute, the screen will be close automatically.

You can press the Unlock button to open the door and let the visitor in.

### ■ Stakeout

While standby state, press the monitor button to display the picture from outdoor.

### ■ Audio/Video Input

When there is only one AV inputted, the screen will display the channel which is connected; when there are two AV inputted, the monitor will display these two AV by automatically.

### ■ Record function: (need to operate by remote controller)

1), to select record Video (AVI) or Picture (JPG), press MENU, and enter Mode, press OK to confirm.

When there is "1" in the top right corner, it means one picture has been captured..

When there is one red ball winking in the top right corner, it means video is recording.

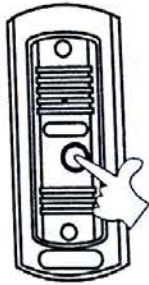
## 7. Operation

- 2), press MENU, enter Capture, press OK to confirm the numbers of pictures capture (1pic 2pic 3pic)
- 3), press MENU, enter AVI, press OK to confirm the timing of each video capture (30sec 60sec 90sec 120sec)
- 4), press MENU, enter Time, use up/down and left/right to select the right date/month/year, after all, press OK to confirm and exit.
- 5), press MENU, enter Format, use left/right to press yes to format the SD card.
- 6), press MENU, enter Default, select YES, then the system will be default to 1, Capture (picture), 2, number of capture pictures: 1pic, 3, record video timing: 30sec
- 7), Press (▶||) to review all pictures and videos, use UP/DOWN to turn to other pictures, then, press OK to display, press [ ⏪ ] to exit, press DEL to delete.
- 8), when visitors press the call buttons, picture/video will be captured automatically to SD card

### ■ Other operation

If you think the monitor volume is not applicable or the picture shown on the screen is too light or too dark, you can adjust the Volume and Brightness knob to reach pleased effect of volume and picture.

## 1. One to one



①

Press the Call button by the visitor.



②

The picture of the visitor is displayed on the monitor screen.



③

Press the Hand-free button and communicate with the visitor.



④

Press the Unlock button to open the door.

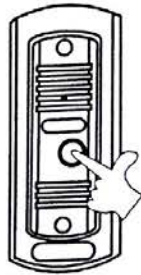


⑤

On standby, press the Monitor button then the outside picture is in stakeout.



## 2. One to two



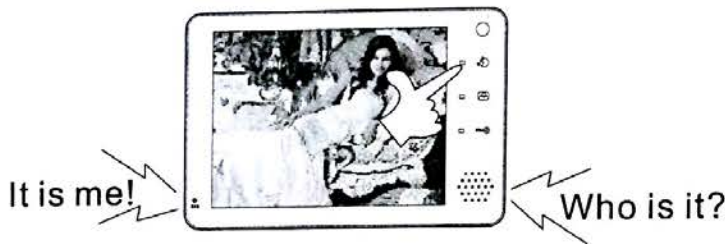
①

Press the Call button by the visitor.



②

The picture of the visitor is displayed on the two monitor screen.



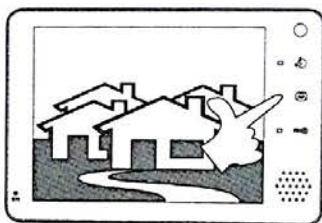
③

Press the Hand-free button on any one monitor and communicate with the visitor.



④

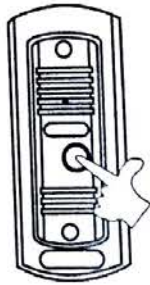
Press the Unlock button on any one monitor to open the door.



⑤

On standby, press the Monitor button on any one monitor then outside picture is in stakeout.

## 3. Two to one



①

Press the Call button on any one camera by the visitor



②

The picture of the visitor is displayed on the monitor screen.



It is me!

Who is it?

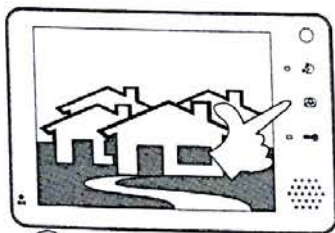
③

Press the Hand-free button and communicate with the visitor



④

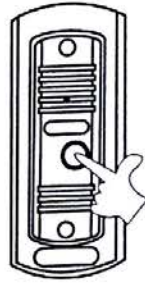
Press the Unlock button to open the door.



⑤

On standby, press the Monitor button on any one monitor then the picture outside the corresponding camera is in stakeout. Press the Monitor button again then the other camera is in stakeout. Press the third time to exit.

## ① 4. Two to two



①

Press the Call button on any one camera by the visitor



②

The picture of the visitor is displayed on the two monitor screen.



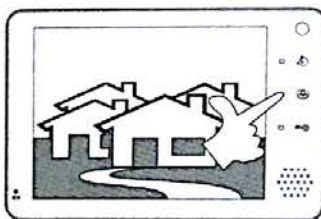
③

Press a Hand-free button on any one monitor and communicate with the visitor



④


Press the Unlock button on any one monitor to open the door.



⑤

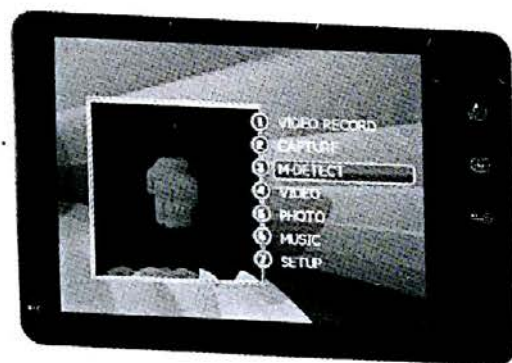
On standby, press the Monitor button on any one monitor then the picture outside the corresponding camera is in stakeout. Press the Monitor button again then the other camera is in stakeout. Press the third time to exit.



## 8. Operation and explanation of remote control

Please turn off the unit before plug in the SD card. after SD card if plug on, there will be "  " displaying on the screen. enter MENU, you can see total 7 options, press MENU again for exit

1, you can press OK to record picture/ video when monitor is displaying the outdoor camera or AV input channels. if it is setted capture, in the right side of the bottom on the screen will show how many pictures it is taking; if it is setted video recording, image on screen will reduce to 640\*480, and a red point in bottom will flash indicating that it is recording video. according to the belowing picture:

2, enter Menu and confirm with M-detect: when there is some moving object in front of camera, video/picture will be took automaticly. untill you press EXIT to exit this function. please be noticed that this function is only valid on the AV inputs, but not the outdoor camera .



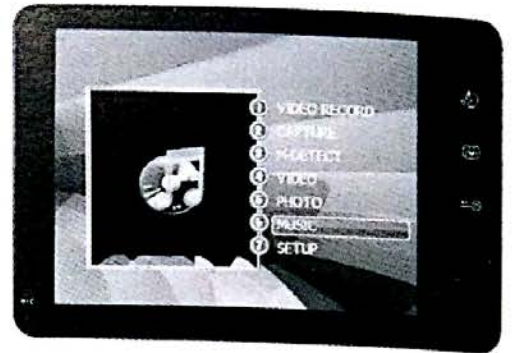
3, enter video or photo to review all pictures and video. when displaying picture, use the "  " to spin the picture, when the solution of picture is more than 800\*600, we can use "  " to zoom in. when preview all pictures, use up and down buttons to select picture, left and right buttons to turn pages. Use detele button to detele pictures or video.



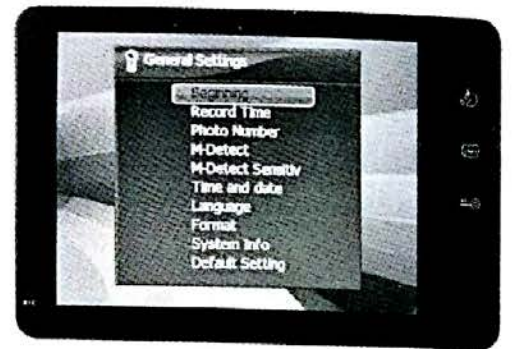
double press on OK button to start AUTO display of pictures.

## 8. Operation and explanation of remote control

4, enter MUSIC: use OK to play songs, up and down buttons to select, press OK again to pause, ESC to exit.



5, enter SETUP: there are more options of setup VIDEO RECORD/CAPTURE/M-DETECT/VIDEO/PHOTO/MUSIC/SETUP



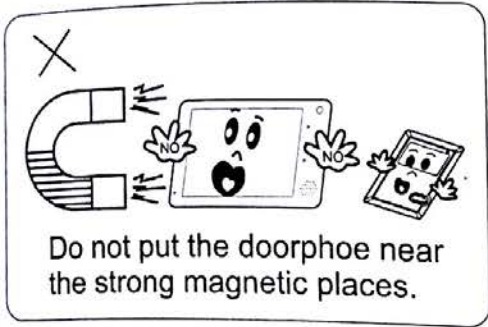
6, when there is one AV input, you can see that the AV channel number is showed on the screen. when there are two AV input, the monitor will display these two AV channels by Automatically switching from each channel every 10seconds, or you can switch channels by remote control.

7, use EXIT to up to the previous MENU; UNLOCK buttons to release door lock

Note:

1. timing setting will be default when you plug off the DC adapter of this product.
2. when power on, after the "LOADING" words are disappeared, then the unit is available for operation
3. screen will be turned off after displaying three mins, you can press any buttons to wake it up.  
(screen will be turned off as well when the SCREEN OFF button of remote control is pressed)

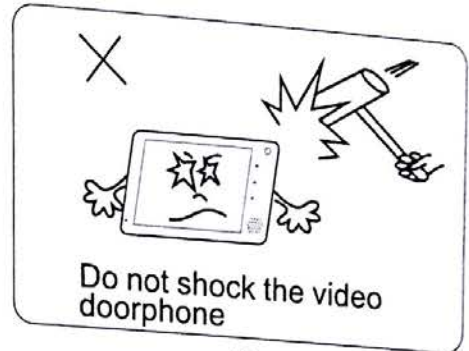
Warning



1



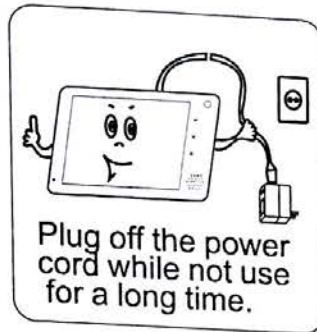
2



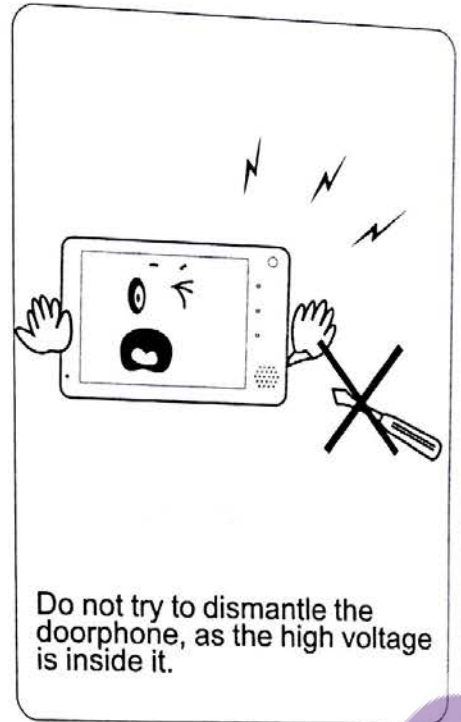
3



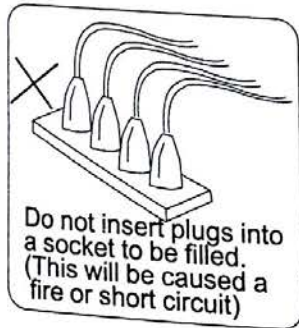
4



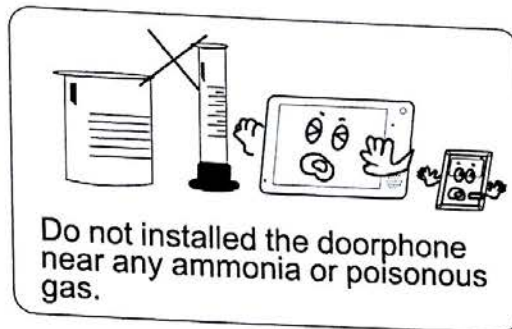
5



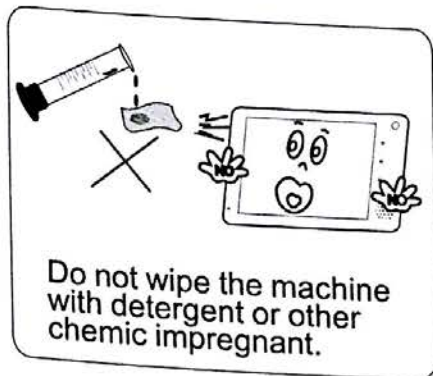
8



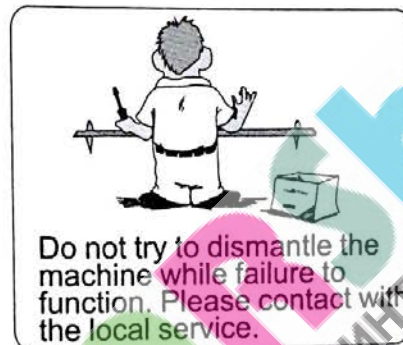
6



7



9



10

**Note:**

1. Record features only record image/video without audio.
2. Please turn off the video doorphone, before remove/plug on the SD card.
3. When AV1/2 is plug on, the volume key of indoor is inefficacy.

## 10. Trouble shooting

1. No sound while calling
  - a. The connection cable between monitor and camera is loose.
  - b. The volume has be turn to the end.
2. Unclear image  
Please check if the brightness is turned to too down, please adjust the brightness knob.
3. Can not unlock  
The wire of unlock is unconnected or short circuit.

## 11. Specifications

### Indoor-monitor

Power Supply	DC 13.5V
Power Consumption	Standby: <0.7W Working ≤ 10W
Screen	7" HD LCD screen
Resolution	800(W)×600(H)×RGB
Brightness	200cd/m <sup>2</sup>
Video Input	1 Vp-p
Cutoff-Time	Stakeout: 3 minute, Conversation:1 minute
Mike Sensitivity	-38dB
Operation Temperature	-10°C ~ +55°C
Call Tone	"Ding Dong" chime
External Dimension	196(L)x132(W)x34.8(H)mm

## Outdoor-camera

Power Supply	DC 12V(supplied by the monitor)
Power Consumption	Working: <2W
Imagery Angle	Diagonal: about 53
Lamp-house at night	Infrared LED
Operation Temperature	-10°C ~ +55°C
External Dimension	160(L) x 70(W) x 26(H)mm

### Warning:

- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable, and it shall be disconnected from the mains completely.
- The plug is used as disconnect device from the mains supply, the plug shall remain readily operable.
- The apparatus should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.

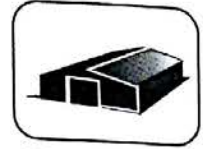
### Notice:

- Due to continuing improvements, the features and design are subject to change without notice.
- This manual is only intended for reference. No further notice is available to any modification of all information contained therein.
- For the imprecision, mistake or misprint in the manual, will be explained by the producer only.





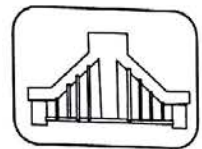
Door Guard



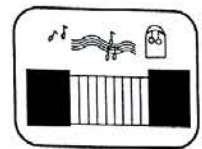
Warehouse



Baby Room



Gate Switch



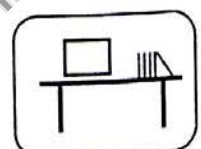
Visitor Door



Night Vision



Inter-com



Office

We are connected by true feeling !

