

# VIDEO DOOR PHONE

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Manual of user

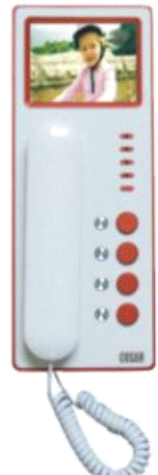
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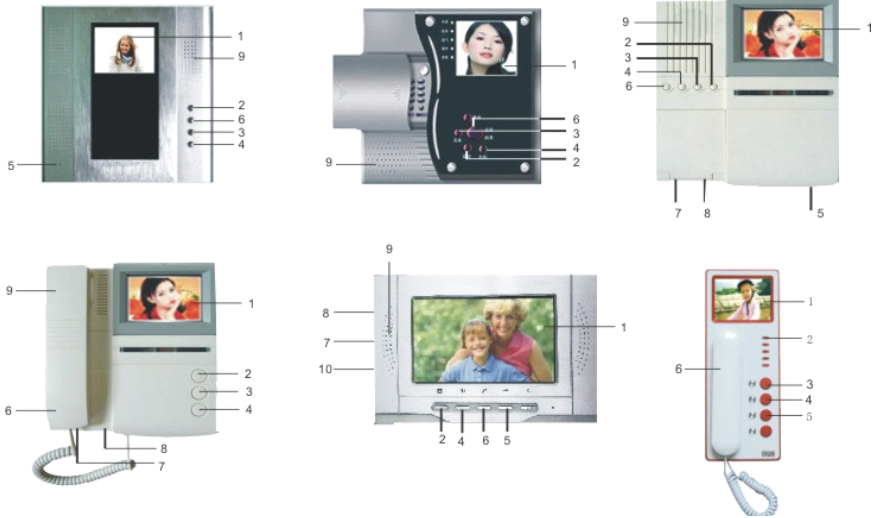
## 1. Features

1. One door station can up to four indoor phones.
2. Easy installation using supplied connection cable.
3. Compact Infrared LED is compactly designed, it can be used at night, or in dark places without adding any extra lighting.
4. High resolution black and white 4" picture(or other size picture)or color TFT LCD.
5. Connection layout:4wires
6. Low power consumption.
7. Transmission line distance is far. ( $\geq 100\text{m}$ )
8. Two kinds of unlock way (able chose one kind of them)

## 1.1 Main Products



## 1.2 Description of indoor phone



Location	Description	Function
1	4" /7" Indoor phone Screen	Identify Visitor
2	Power Light	Indicates Power On
3	Monitor Button	View Picture On Indoor phone
4	Call/Alarm( Alarm may choose ) Button	Activate Alarm
5	Unlock Button	Operate Electric Door Lock
6	Microphone	Speak to Visitor
7	Talk Button	Telephone conversation
8	Brightness	Adjust brightness of Indoor phone
9	Contrast Adjustment	Adjust contrast of Indoor phone
10	Receiver	Listen to Visitor

### 1.3 Description of Door station



Location	Description	Function
1	Camera Lens	Sends Picture To Monitor
2	Night Vision Light (LED Light)	Illuminates Area In Darkness
3	Speaker	Enables You To Speak To Visitor
4	Door Bell Button	Pressing Gives Ding Dong Sound
5	Microphone	Enables Visitor To Speak To You

## 2. Operating Instructions

### 2.1 Talking to Visitors

1. When a visitor presses the call button located on the door station, the indoor phone will give a ding dong sound and activate the indoor phone screen. The indoor phone screen will display a picture of the visitor automatically.
2. Pick up the handset receiver and talk button in the indoor phone, and then speak to the visitor, the picture will automatically switch off after about 40s. To reactivate the picture, press the monitor button.
3. After you have finished speaking to the visitor, replace the receiver onto the indoor phone, the picture will switch off automatically.

### 2.2 Checking Outside the Front Door

4. Press monitor button in the indoor phone, screen will automatically display a picture, with a view outside of your front door. After you finished viewing the area, please press monitor button again to switch off the picture.

### 2.3 Operating Monitor Handset Panic Alarm(may choose)

5. While you press alarm button, it will have sirens sound from the door station until the button is repressed.

## 2.4 Opening Front Door Automatically

6. After communicating with visitor, press the door lock button. This will unlock the electronic lock for 6 ~10s. If the door is opened within a period of time, the lock will automatically lock again. Press the button again to unlock.

### **Note**

To be able to use the electronic lock release function, your door must be fitted with an electronic lock, and wired according to the instructions within this installation manual.

## 2.5 Maintaining

1. Do not put indoor phone near a stove, high temperature or humidity, this will cause the unit to malfunction.
2. Do not put indoor phone near devices that generate strong magnetic fields, like televisions, speakers.
3. Do not drop indoor phone or door station and avoid excessive force.
4. Do not use wet hands when answering or operating the indoor phone. Volatile, corrosive liquids or paint thinner should not be used to clean the indoor phone or door station.



5. Do not try to disassemble the products by yourself, If the products have problem, please contact with the suppliers.
6. Keep picture clear by cleaning door station lens window frequently with a soft cloth.

### 3. Installation of indoor phone

When you install indoor phone onto a wall, ensure surface is flat. The indoor phone screen center should be installed at between 1.45-1.50 meters, and fixed by screws.

Attention:

- 1) The wire length can't more than 20 meters if don't use shield line and enhanced signal equipment.
- 2) To have best talking purpose, we advice use  $4 \times 0.75\text{mm}^2$  copper line between outdoor station and indoor phone.

### **Remarks**

When choosing a location to install the indoor phone, install it onto a non-inflammable surface. Avoid near excessive humidity, strong magnetic, dangerous chemicals, and direct sunlight place.

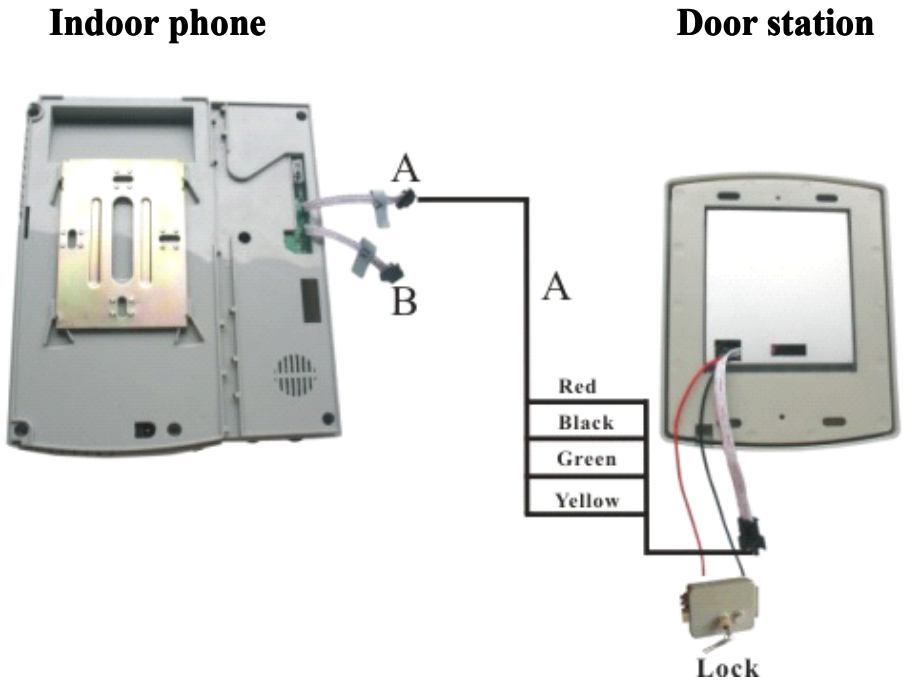
### 3.1 Installation of door station

When install the door station, ensure that it is located in dry place. It is important that the door station or the electronics do not get wet. The door station should be installed at between 1.45-1.50 meters.

### 3.2 System Connection diagram

#### 1 to 1 system

**(one outdoor station connect with one indoor phone)**

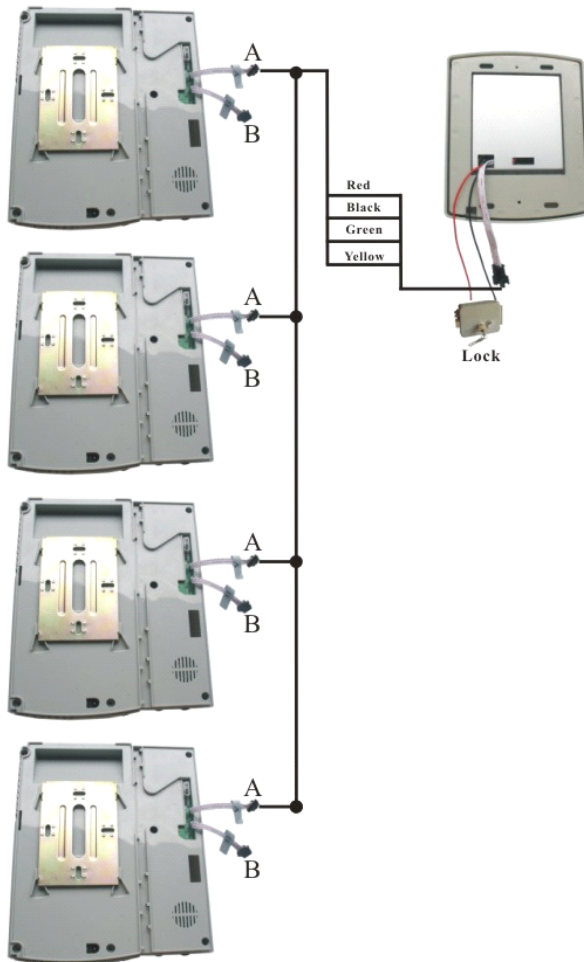


## 1 to 4 system

(one outdoor station connect with four indoor phones)

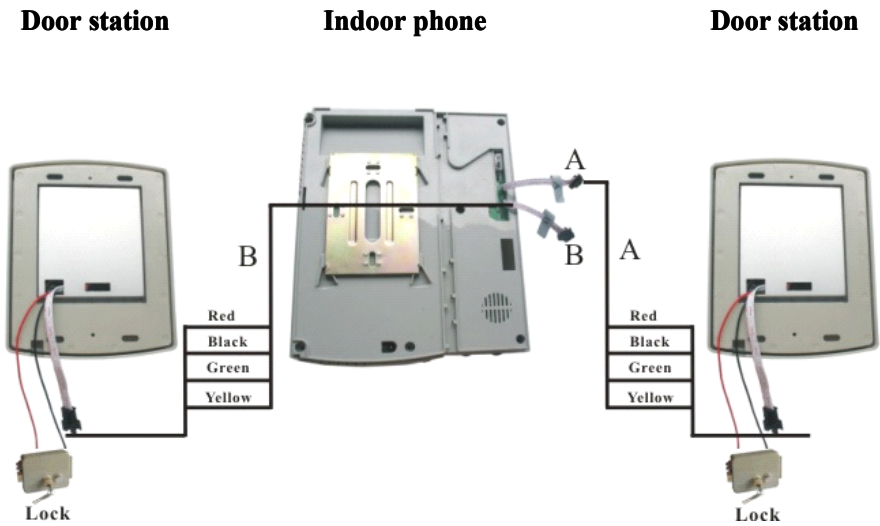
**Indoor phone**

**Door station**



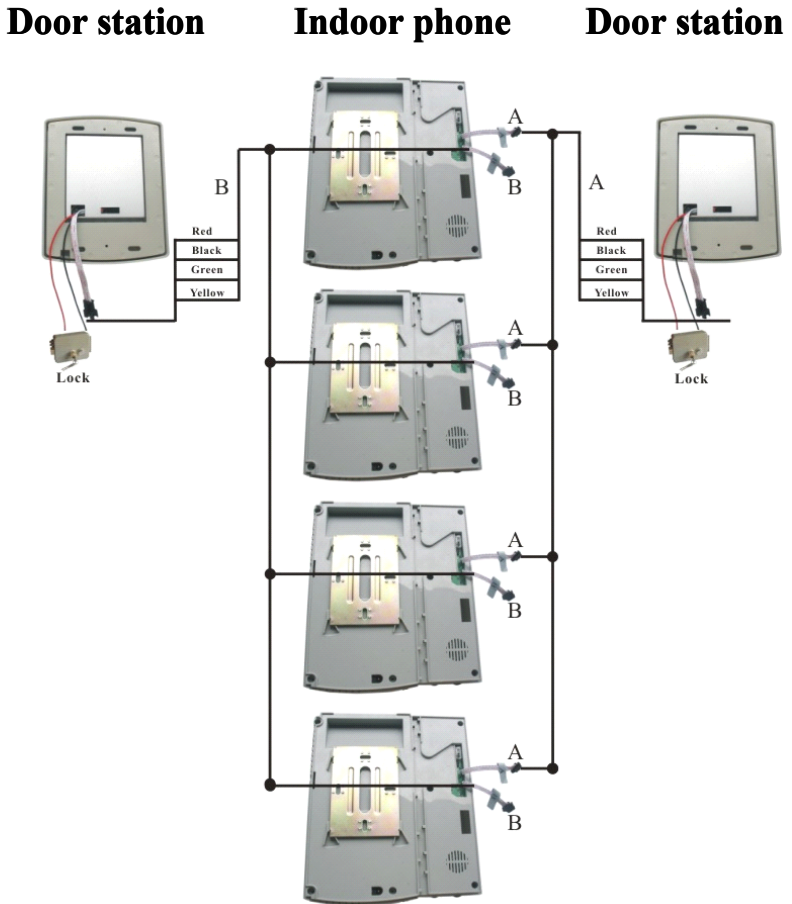
## 2 to 1 system

(two outdoor stations connect with one indoor phone)



## 2 to 4 system

(two outdoor stations connect with four indoor phones)



**Wiring Option**

NO.	Indoor phone/ Door station	Connect wires	Connection terminations
1	AWM	Red	V+(+15v)
2	— — —	Black	GND
3	× × × ×	Green	Vi(video)
4	• • • • •	Yellow	A(audio)
5		Lock	Electronic Lock
6		Lock	Electronic Lock

### 3.3 Specification

<b>Door station Technical Parameter</b>	
Working power	DC15V $\pm$ 10%
Static Current	$\leq$ 12mA
Working current	$\leq$ 180mA
Camera	1/3" CCD/CMOS
Viewing angel	92.8°
Min illumination	0.1LUX
Lens	F=3.6
Environmental Temperature	-25°C $\sim$ +70°C
Humidity	45% to 95%
<b>Indoor phone Technical Parameter</b>	
Working power	DC15V $\pm$ 10%
Static current	$\leq$ 35mA
Working current	$\leq$ 500mA
Kinescope	4" flat tube (B/W)
Color display	4" color LCD display
Resolution	Less than 450 points.
Environmental Temperature	-10°C $\sim$ 55°C
Humidity	45% to 95%

## 3.4 Picture Interference Problems

Indoor phone picture is indecipherable light directed into the camera lens.

Picture interrupted or blurred due to cable noise, if call button on camera housing is pressed or intercom communications.

Picture interrupted or blurred due to radio wave jamming when a automobile or motorcycle passes.

Picture interrupted or blurred due to speaker magnetic field, caused by handset receiver being too close to monitor.

The above problems are normal and do not mean the unit is damaged, broken and needs repairing.