

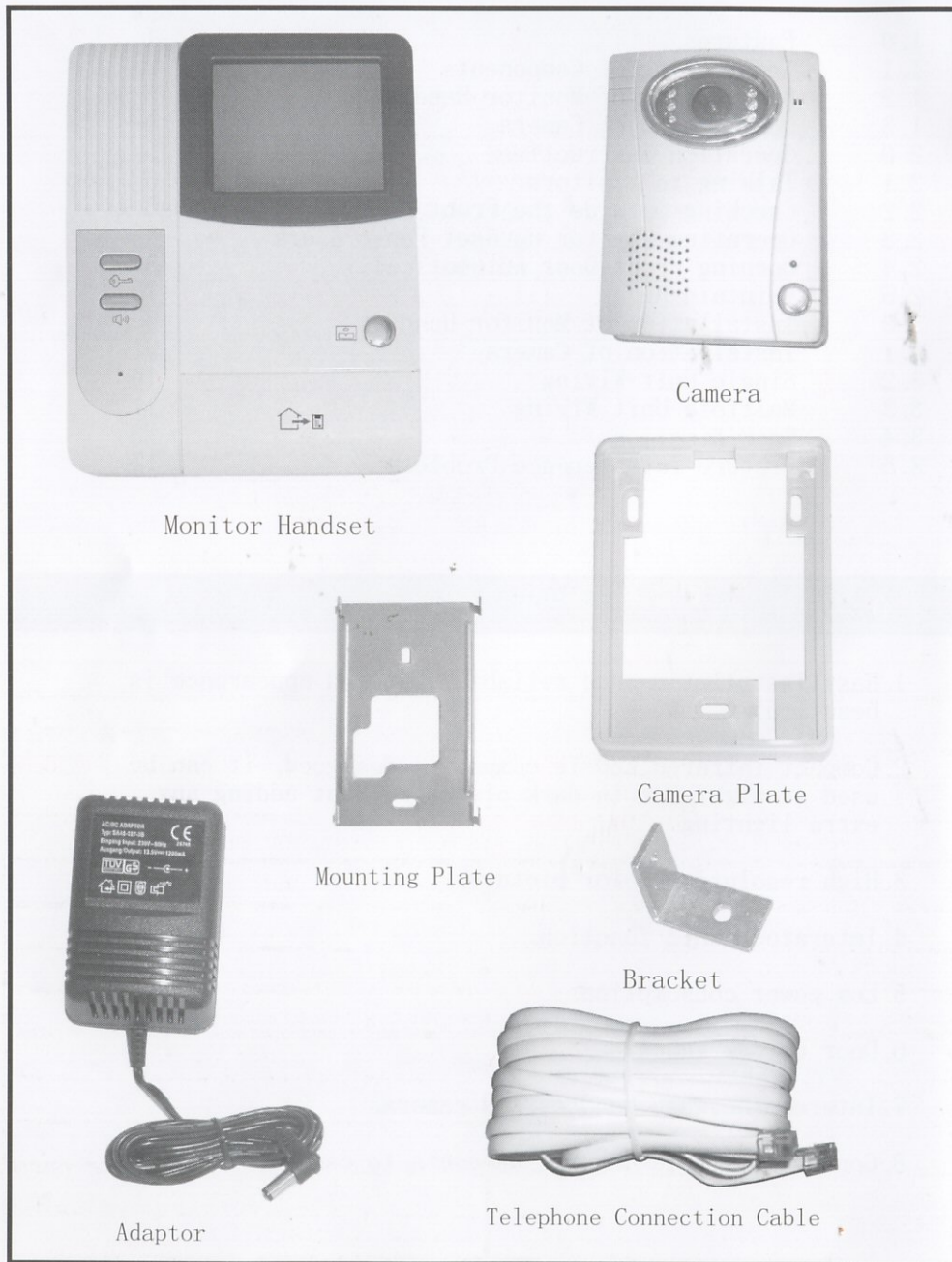
Contents

	Page	
1.0	Features	1
1.1	Identifying of Components	2
1.2	Description of Monitor Handset	3
1.3	Description of Camera	4
2.0	Operation Instruction	5
2.1	Talking to Visitors	5
2.2	Checking Outside the Front Door	6
2.3	Operating Monitor Handset Panic Alarm	6
2.4	Opening Front Door Automatically	6
2.5	Maintaining	7
3.0	Installation of Monitor Handset	8
3.1	Installation of Camera	9
3.2	Single Unit Wiring	10
3.3	Multiple Unit Wiring	11
3.4	Specifications	12
3.5	Picture Interference Problems	12

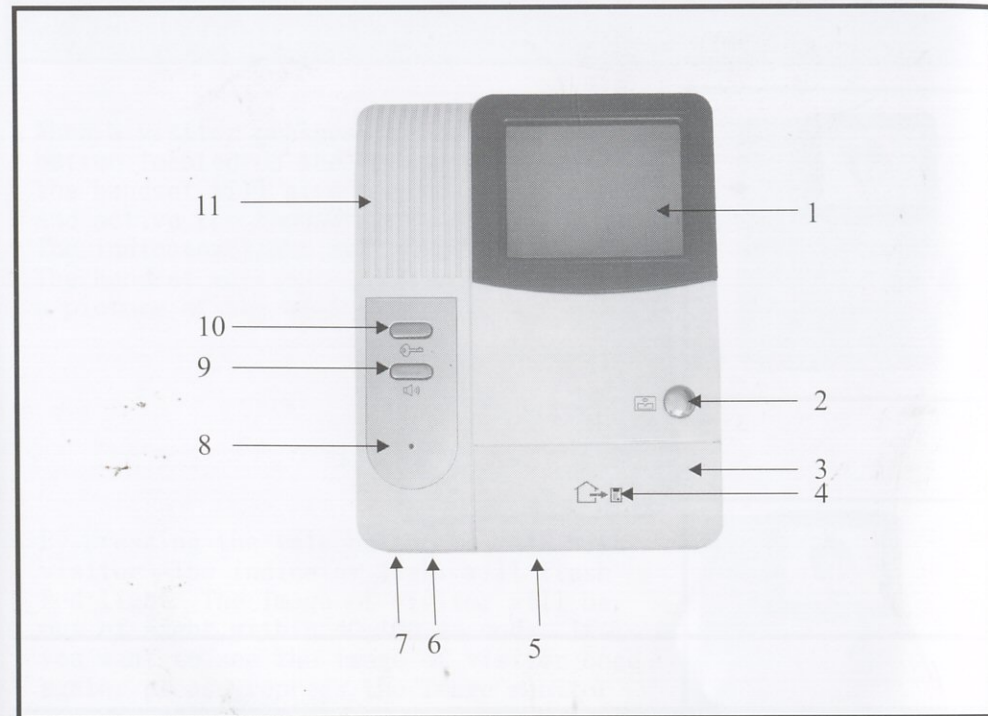
1.0 Features

1. Easy installation and reliable, outward appearance is beautiful.
2. Compact infrared LED is compactly designed, it can be used at night, or in dark places without adding any extra lighting.
3. High resolution color picture.
4. Interated panic function.
5. Low power consumption.
6. Door unlock function.
7. Intercom between handset and camera.
8. Connect multiple monitor handsets to camera.

1.1 Identifying Components

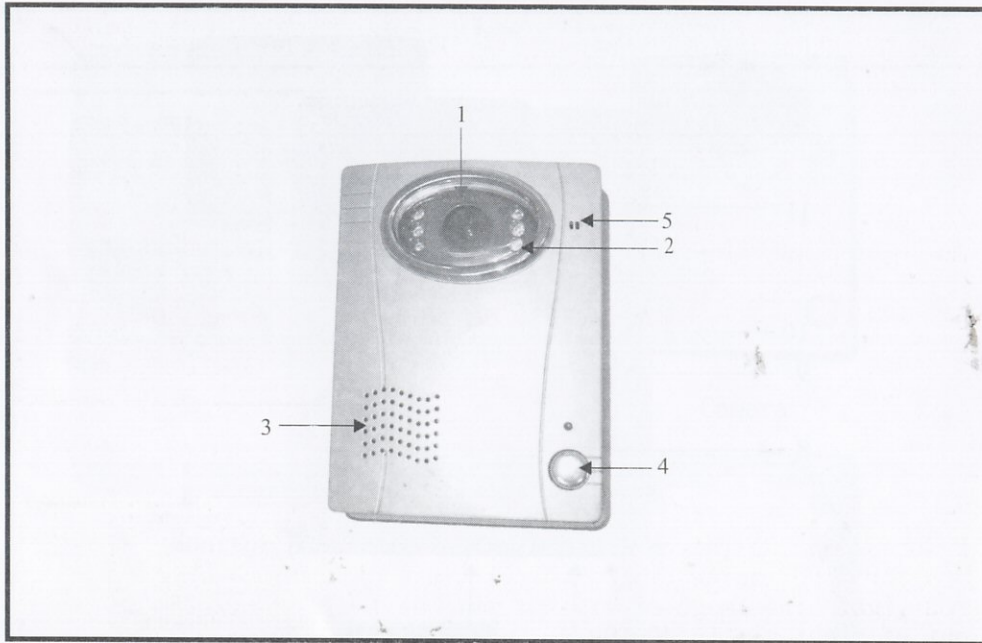


1.2 Description of Monitor Handset



Location	Description	Function
1	4" Monitor Screen	Identify Visitor
2	Monitor Button	View picture on monitor
3	Intercom Button	Intercom on and off
4	Indicator Light	Indicates system situation
5	Microphone	Talk with visitor
6	Contrast	Adjust gray grade of picture
7	Volume Adjust	Adjust the volume of door bell
8	Power Indicator	Indicate Power is on
9	Alarm Button	Active Alarm
10	Unlock Button	Open the electronic lock
11	Speaker	Listen to visitor

1.3 Description of Camera

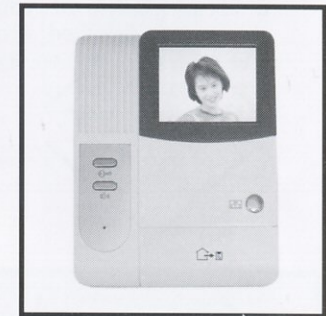


Location	Description	Function
1	Camera	Photograph picture to monitor
2	Night Vision Light	Illuminates Area in Darkness
3	Speaker	Enables You to Speak to Visitor
4	Door Bell Button	Pressing gives "Ding Dang" sound
5	Microphone	Enables to Visitor to Speak to You

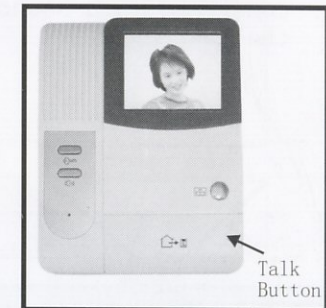
2.0 Operation Instructions

2.1 Talking to Visitors

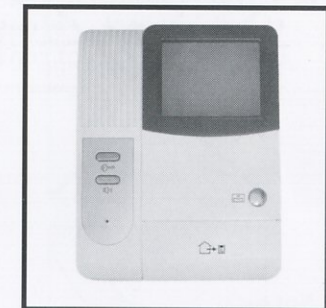
1. When a visitor presses the door bell button located on the camera housing, the handset will give a ding dong sound and activate the handset monitor screen. The indicator light will flash blue light. The handset monitor screen will display a picture of the visitor automatically.



2. By pressing the talk button to talk with visitor. The indicator light will flash red light. The image of visitor will be out of sight within 40-100 seconds. If you want to see the image of visitor once again, please repress the image monitor button.



3. The image of visitor will disappear after you finished the talking with visitor. And the indicator light will be changed to green.



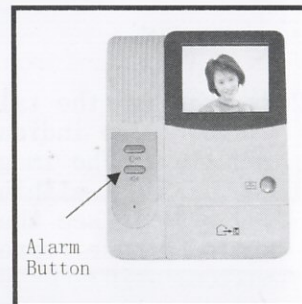
2.2 Checking Outside the Front Door

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



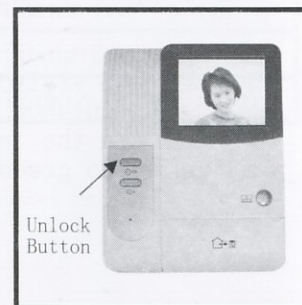
2.3 Operating Monitor Handset Panic Alarm

5. The handset panic alarm button is connected to a sounder located in the camera



2.4 Opening Front Door Automatically

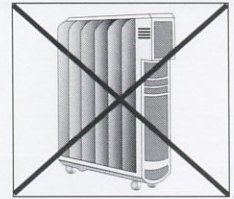
6. After communicating with visitor, press the door lock release button. This will Unlock the electronic lock for the visitor.



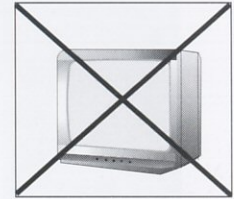
Note:
To be able to use the electronic lock release function, your door must be fitted with an electronic lock, and wired according to the instructions within this installation manual.

2.5 Maintaining

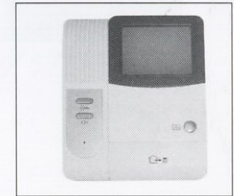
1. Do not mount monitor near a stove, high temperature or humidity, this will cause the unit to mal-function.



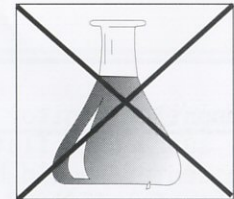
2. Do not mount monitor near devices that generate strong magnetic fields, like TV and speakers.



3. Do not drop monitor or camera and avoid excessive force.



4. Do not use wet hands when answering or operating the monitor. Volatile, corrosive liquids or paint thinner should not be used to clean the monitor or camera.



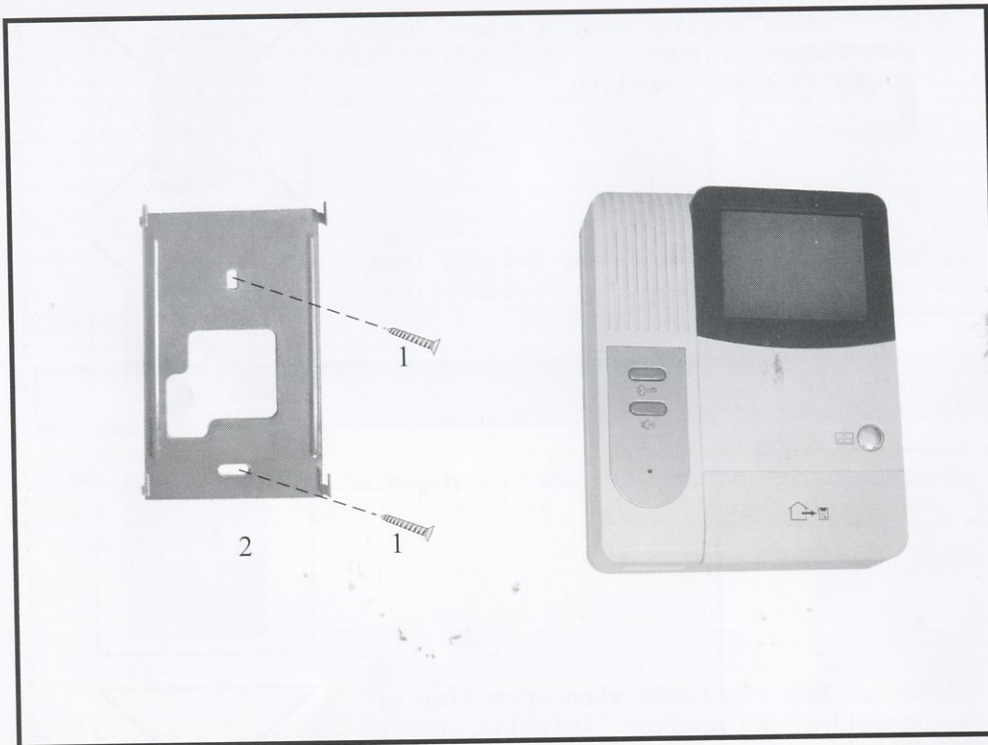
5. There are no user serviceable parts contain within the monitor or camera. Do not attempt to disassemble the monitor or camera, to do so will invalidate your warranty.



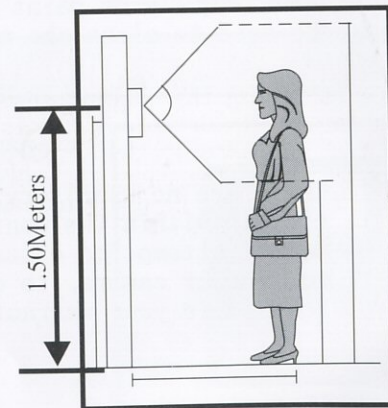
6. Keep picture clear by cleaning camera lens window frequently with a soft cloth.



3.0 Installation of Monitor handset



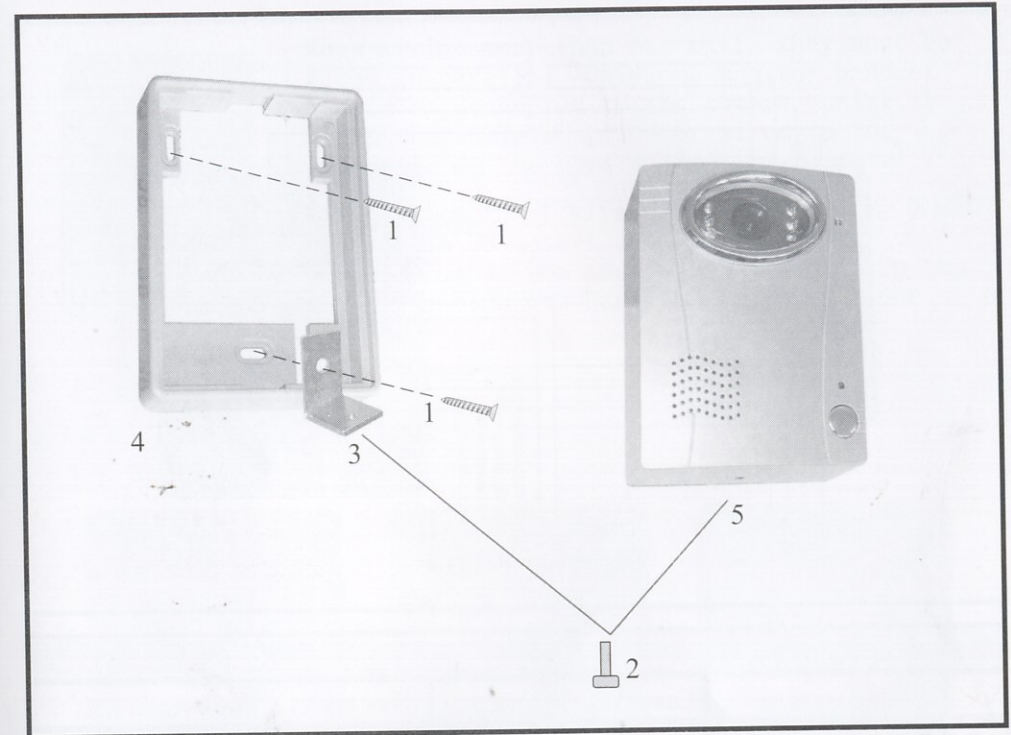
When mounting monitor onto a wall, ensure surface is flat. The monitor screen center should be mounted at a height of 1.45-1.50 meters. Mount bracket(2) by using screws supplied (1) attach monitor onto bracket(3).



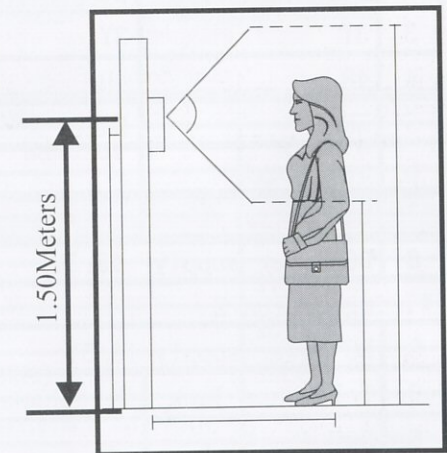
Remarks:

When choosing a location to mount the monitor, mount onto a non inflammable surface. Avoid mounting near places where there is excessive humidity, magnetic forces emitted from televisions, speakers, dangerous chemicals, direct sunlight and other sources of heat.

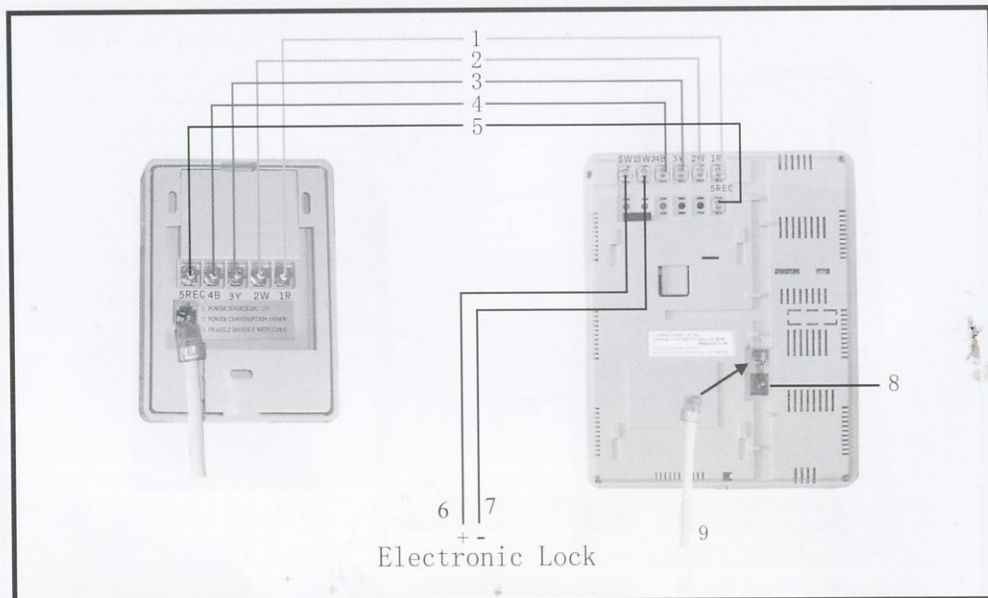
3.1 Installation of Camera



When mounting the camera, ensure that it is located in dry place. It is important that the camera or the electronics do not get wet. The camera should ideally be mounted at a height of between 1.45-1.50 meters.



3.2 Single Unit wiring



Electronic Lock

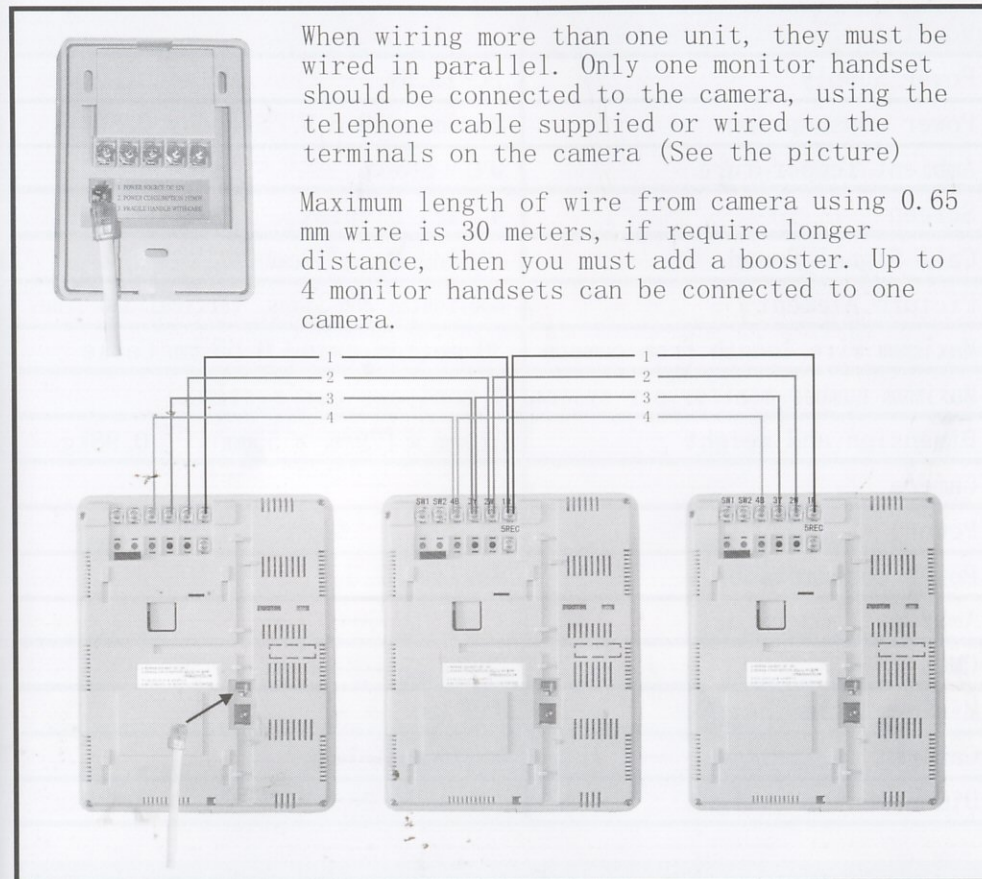
Wiring option 1

No.	Monitor	Camera	Electronic Lock
1	1R	1R	
2	2W	2W	
3	3Y	3Y	
4	4B	4B	
5	5REC	5REC	
6	Sw1 (Key)		Positive(+)Electronic Lock
7	Sw2 (Key)		Negative(-)Electronic Lock
8	DC Power supply 13.5V		

Wiring option 2

8	DC Power supply 13.5V		
9	Telephone Jack	Telephone Jack	
6	Sw1 (Key)		Positive(+)Electronic Lock
7	Sw2 (Key)		Negative(-)Electronic Lock

3.3 Multiple Unit Wiring



When wiring more than one unit, they must be wired in parallel. Only one monitor handset should be connected to the camera, using the telephone cable supplied or wired to the terminals on the camera (See the picture)

Maximum length of wire from camera using 0.65 mm wire is 30 meters, if require longer distance, then you must add a booster. Up to 4 monitor handsets can be connected to one camera.

Handset 1	Handset 2	Handset 3	Camera
1R DC +13.5V	1R DC +13.5V	1R DC +13.5V	1R DC +13.5V
2W GND	2W GND	2W GND	2W GND
3Y	3Y	3Y	3Y
4B	4B	4B	4B
5REC	5REC	5REC	5REC
Sw1 Electronic Lock +	Sw1 Electronic Lock +	Sw1 Electronic Lock +	
Sw2 Electronic Lock -	Sw2 Electronic Lock -	Sw2 Electronic Lock -	

3.4 Specifications

Monitor	
Power Supply	DC 13.5V
Power consumption	Maximum 10.5 W, Standby 0.5W
Ambient temperature	0°C to 50°C
Screen	4" TFT Display
Call Signal Sound	"Ding Dong" sound
Picture element	Horizontal 350 lines, Vertical 380 lines.
Maximum wire length from camera	30 metres using 0.65 mm Cable
Maximum number monitor per system	4 monitors per system
Dimension and weight	220mm × 179mm × 55mm 0.98kg
Camera	
Power	DC 12V 0.5A
Power consumption	Maximum 2.5 W
Ambient temperature	-10°C to 50°C
CMOS	380 Lines Resolution
Minimum Illumination	0.5 Lux
Camera	F:1.8, F+3.1m/m
Dimension and weight	130mm × 96mm × 31mm 0.20kg

3.5 Picture Interference Problems

- A. Monitor picture is indecipherable due to strong direct light, sun light or automobile light directed into the camera lens.
- B. Picture interrupted or blurred due to radio wave jamming when a automobile or motorcycle passes.
- C. Picture will be interrupted when mobile was used near to the monitor handset or camera.
- D. All the above problems are normal and does not mean the unit is damaged or needs repairing.