FUTURO

Safety & Operating Instructions
VIDEO DOOR PHONE
NVM-704-2/NVC-3104

These instructions are for your safety. Please read through them thoroughly before use and retain for future reference.

Parts Supplied

Ref	Description	Illustration	Qty
A	Indoor Monitor		1
B	Outdoor Camera		1
C	Wall mounting bracket		1
D	Power Transformer		1

Fittings Supplied

Ref	Description	Illustration	Qty
E	Screw (Dia 4x20mm)		8
F	Screw (Dia 3x10mm)		2
H	Power cover		1
I	Locker		2
J	Bracket Holder		1
K	Accessory Connector		4

Before You Start

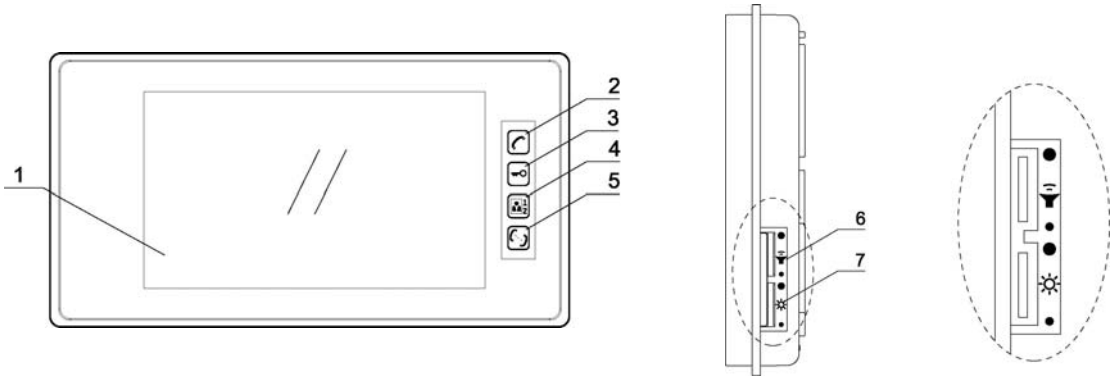
- Check the pack and make sure you have all of the part listed above. If not, contact your local store who will be able to help you.

Technical Characteristics

Indoor Unit（NVM-704-2）	Specifications
Dimensions	235[W] ×120 [H] ×28 [D] mm
Weight	0.7Kg
Input Power	DC14V (External Power Supply)
Power Consumption	Idle mode : 2W Operating : MAX 14W
Connecting System	4 wires
Voice transmission	Half duplex two way communication
Call sound	Chime sound 2stroke (When call button pushed)
Max. Distance & wiring	Monitor to Camera 50M : 0.65mm^2 wire 100M : 1.0mm^2 wire
	Door Lock to Camera 20M : 1.0mm^2 wire
Video S/N Ratio	50dB
Audio S/N Ratio	40dB
Function	1. Monitor on, off / Talk 2. Door open 3. Camera 1, 2 select 4. Intercom
Aspect Material	ABS
Display	7 inch LCD
Resolution	More than 400 TV Lines
Monitor on time	Stanby : 30sec Talk off : 60sec
Users Control	Brightness, Volume
Operating Temperature	0 ~ 40 ℃
Storage Temperature	-20 ~ 60 ℃

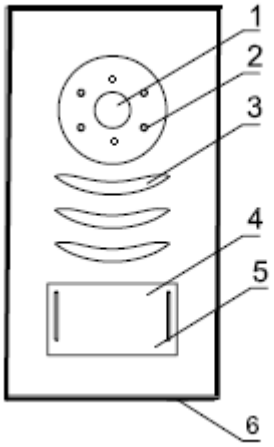
Outdoor Unit（NVC-3104）	Specifications
Dimensions	92[W] ×198[H] ×21 [D] mm
Weight	0.4Kg
Input Power	From monitor DC 12V
Power Consumption	Max 3W
Aspect Material	Aluminium
Wiring	Monitor:4wires Door lock:2Wires
Image sensor	1/4 inch CCD
TV system	CCIR
Resolution	380 TV Lines
Video output	Composite video signal 1Vp-p at 75 ohm terminated
No. of pixels	270,000.pixels
Iris	Electronic auto iris
Lighting	White LED
Viewing Angle	Diagonal:70˚ horizontal:51˚ vertical:41˚
Lens	3.6mm board lens
Min. Illumination	1Lux
Door lock	2 terminals with dry contact
Mounting type	Surface mount
Operating Temperature	-1 0˚C ~ 50˚C(14˚ F ~ 122˚ F)
Storage Temperature	-20˚C ~ 60˚C

Indoor unit



1. Monitor screen
2. Talk on/Talk off (Monitor off)
3. Door open button
4. Monitor on / (Camera 1, 2 select)
5. Intercom button
6. Volume control
7. Brightness control

Outdoor unit



1. Camera lens
2. White LEDs for night vision
3. Speaker
4. Call Button
5. Name Plate
6. Microphone

Safety Instructions

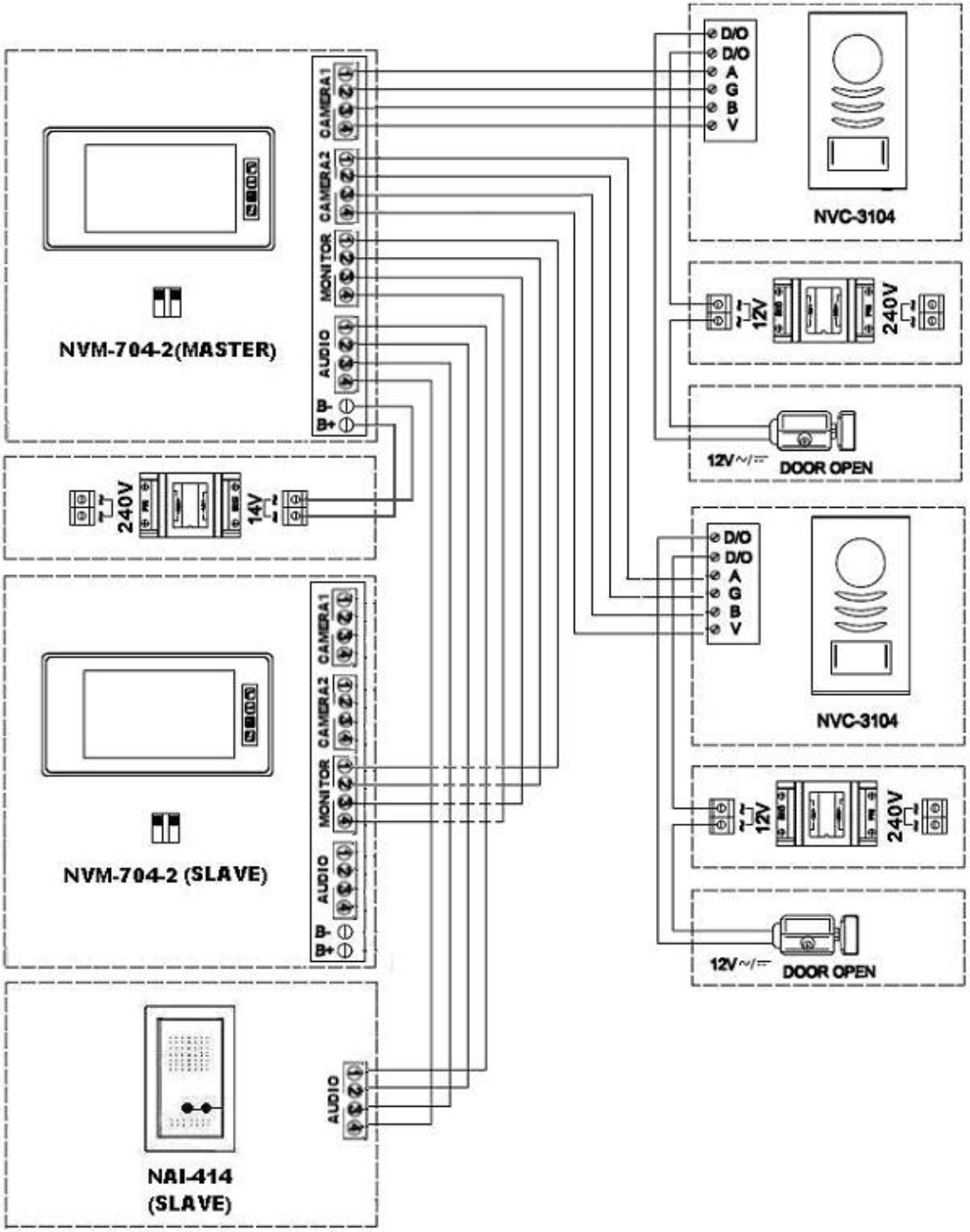
1. Do not install near other electronic equipment such as computers, TV, video recorder as this may cause radiated interference to the unit.
2. Do not disassemble the unit.
3. Do not spray water on the indoor unit. Do not keep the outdoor unit where it will be exposed to extreme moisture.
4. Do not overload mains wall outlets or extension cords.
5. Do not drop or shock the unit.
6. Remove the power cord from the wall socket when unit is not used for long period.
7. Do not place any naked flames (e.g. lighted candles) on the apparatus.
8. Do not place objects filled with water (e.g. vases) on the apparatus.
9. Do not cover the ventilation holes with clothing, paper, curtains etc.
10. This apparatus is designed for moderate climates. Do not use in high humidity, dusty or dirty areas.
11. To disconnect or isolate the unit, switch off at the socket or remove plug from wall socket. Please ensure the plug and socket is easily accessible.

Warnings

1. Do not install the outdoor unit where it will be exposed to direct sunlight or any strong reflected light. Avoid extremely bright locations for the indoor unit as the monitor screen image will be adversely affected.
2. Do not install the outdoor unit where it will be subjected to extremes of dust or moisture.
3. Do not install the outdoor unit where it will be exposed to rain.
4. Do not install near acid oxides, ammonia, or any harmful gas (it might cause malfunction).
5. Do not install the outdoor unit in a location where the lens filter is likely to get scratched or very dusty.
6. Check cables are connected correctly and camera unit is firmly installed.

Assembly instructions

WIRING DIAGRAM

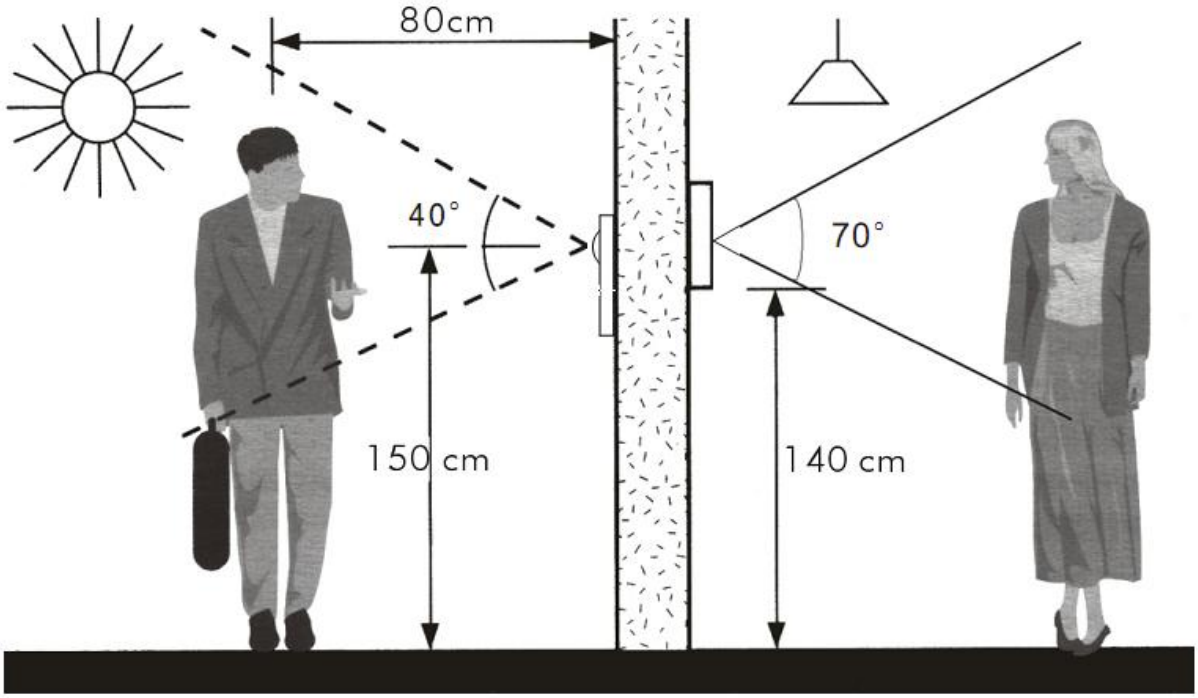


A) Cable connection

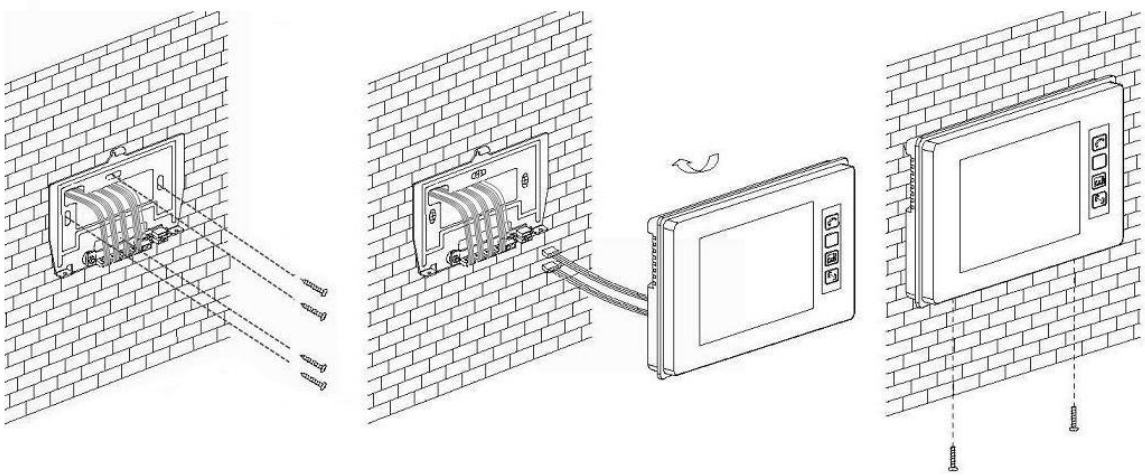
1. Connect the monitor to the camera with the cable according to the wiring diagram below.
2. Carefully insert the wires to the terminal by pressing down the terminal flap with any small tool taking care that the 2 bare wires do not touch.

B) Installation height

1. Recommended installation height is approximately 140cm for monitor unit and 150cm for outdoor camera.



C) Installation of indoor monitor



1. Fix the wall mounting bracket in the best place by using 4 screws and plugs.
2. Carefully place the indoor monitor against the bracket and gently push down the monitor so that the pins on the bracket engage in the slots on the rear of the monitor.

Performance Settings

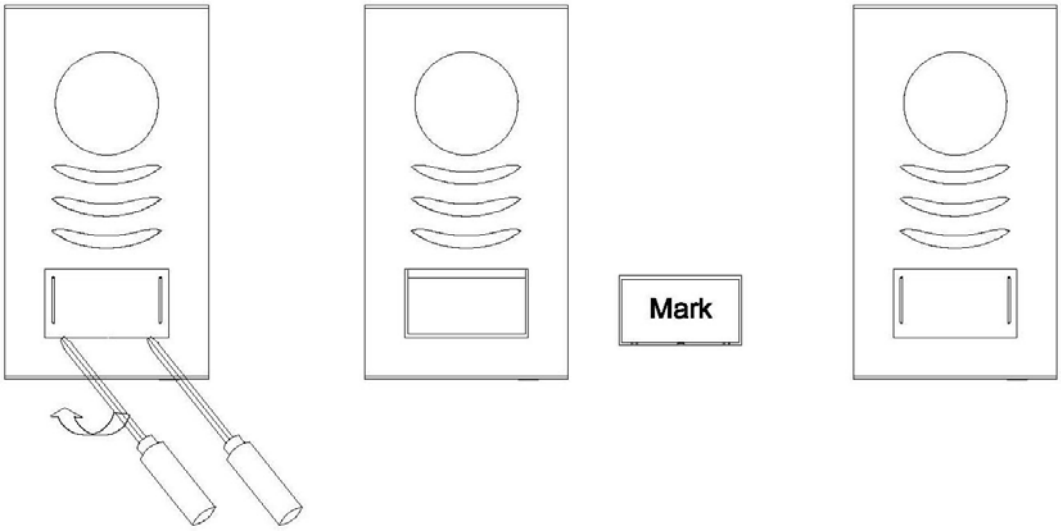
You can adjust the brightness, contrast and colour of the monitor when it is ON by pressing the Performance menu button at the side of the monitor.

Press the menu button then the brightness, contract and colour indication will appear. To select the indication by pressing the Up and Down buttons, then press the menu button to confirm the selection and then press the Up and Down buttons to adjust. Finally, press the menu button to confirm the setting.

D) Installation of outdoor camera

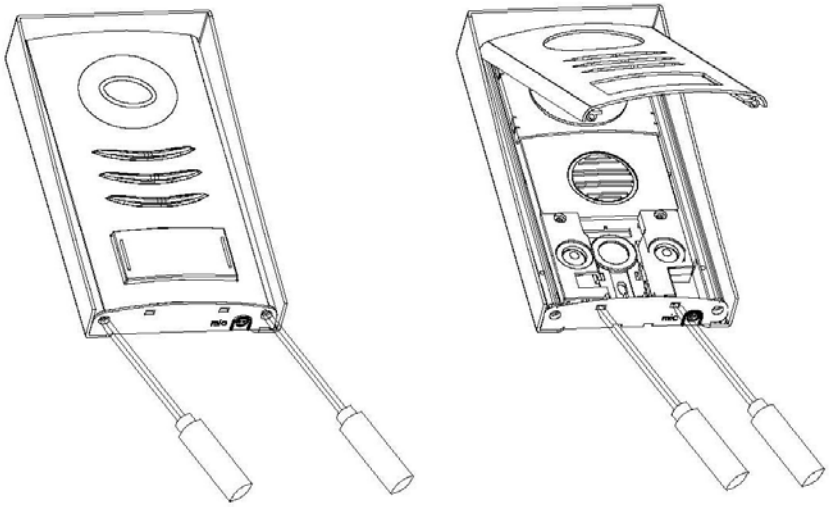
Add the name to the nameplate

1) Release the button block from the panel and remove the cover (Fig. A & B)
2) The name plate is now accessible (Fig. C)
3) Mark your name on the plate (Fig. C)
4) Place the button block back to the panel (Fig. D)

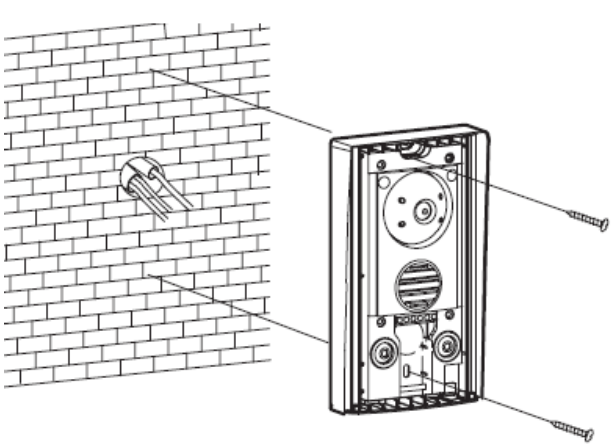


A **B** **C** **D**

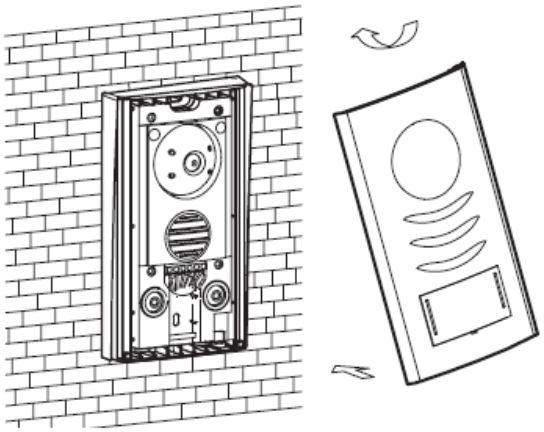
Mounting the camera



E F



G



H

1) Remove the front cover (Fig. E & F)
2) Mount the outdoor unit on the wall by using 2 mounting screws and wall plugs. （Adjust the camera angle if necessary.）(Fig. G)
3) Replace the front cover and security it by replacing the 2 screws at the bottom of the camera. (Fig. H)

Operating Instructions

1. Activation of units
   When the call button on the outside camera unit is pressed, the indoor unit chime rings and the visitor's picture will appear on the indoor monitor. After the visitor is visually identified, and you wish to talk with the visitor, press the button. The unit will remain activated for approximately 60 seconds before it automatically shuts off. To re-activate for continued conversation, press the button.

2. Activation of outside unit from monitor unit
   a) Press the button of the indoor unit at any time and the outdoor camera will be activated and show the outside view.
   b) If you has installed two cameras, press this button to change from camera one to another.

3. Working time
   a) Call time: Approximately 30 seconds
      The picture terminates automatically if indoor unit is not answered within approximately 30 seconds after the call button of the outdoor camera unit is pressed.
   b) Talk time: Approximately 60 seconds
      When monitor unit is called by the outdoor unit and the monitor is answered, there is approximately 60 seconds of time available before the unit automatically shuts off.
   c) Monitor time: Approximately 30 seconds
      When outside camera is activated from the inside, there is approximately 30 seconds of viewing time before the unit automatically shuts off.

4. Activation of “Intercom” button
   An intercom calling can be started by any indoor monitor.
   When the intercom button on one indoor monitor is pressed,the intercom button color will turn on blue, this will ring all monitors in a system,you can talk with the one calling monitor by pressing the intercom button on the second monitor, Press for shutting off. There is approximately 120 seconds of time before the unit automatically shuts off.

5. Activation of button
   If you want to open the door to let the caller in,just press the button on the indoor monitor.

6. Mute on/Mute off
   Mute on: push and hold on, then push . LED turns on green colour.
   Mute off: push and hold on, then push . LED turns off green colour.
   When the monitor’s status is Mute on, there will be no melody, while other functions will be normal.

7. Change the moledy

push , at the same time push to activate this function.
Then press to choose target melody. There are 4 melodies available. To conifrm melody you have chosen, push , at the same time push .

Care and Maintenance

- Do not store in hot or cold areas. Extreme hot or cold temperatures can shorten the life of electronic devices and can distort/melt certain plastics or may cause malfunction.
- Dropping can result in failure to operate. Circuit boards can crack and may not survive the impact.
- Do not use or store in areas of high levels of dirt or dust. The electronics may be contaminated. Any moving parts will wear prematurely.
- Do not use harsh chemicals, cleaning solvents or strong detergents. To clean, wipe with a damp cloth from time to time.

Troubleshooting

No	Problem	Check point
1	No power (no picture on monitor)	➢ Is the power cable firmly inserted into the terminal block?
2	Power is on, but no picture on the monitor	➢ Is the cable firmly connected between the monitor and the camera? ➢ Is the polarity of wires correct between the outdoor camera unit and indoor monitor unit?
3	The picture is too dark or white	➢ Adjust brightness control
4	Chime sound is too low	➢ Adjust the volume control

Environmental Protection

- Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.