

HANDSFREE
AUDIO/ VIDEO DOOR PHONE
WITH SURFACE MOUNT CCD CAMERA

Installation and Operation Manual



5"
TFT-LCD
DISPLAY

CCD
Camera

AV OUT
TO TV

PANIC
BUTTON

SLIM
DESIGN

UP TO	
2	2
DOOR	MONITOR

Introduction

Handsfree Video Doorphone

The DOSS DHF52PC provides audio/visual communication between the indoor monitor and the outdoor camera. The DHF52PC is an easy to install and inexpensive video intercom system.

Now you can communicate with whoever is at the door without having to open it!

The DHF52PC has a 5" TFT-LCD colour monitor with a simple one button control. Visitors press the doorbell on the camera and the monitor will ring to let you know someone is at the door. Their image appears immediately on the monitor and you can speak with them with the touch of a button. The intercom camera can even see people in the dark. Control the bell volume and the screen brightness to your liking with easy knob controls located on the monitor. You can now conveniently identify visitors before answering your door with the intercom system. This system will increase your home or business security.

Applications & Benefits:

Immediately increase the overall security of your home or business, keep annoying solicitors away, children won't have to open the door to strangers while you are away, decrease vandalism, deter potential crime, you don't have to get up to answer the door, unlock the door remotely for guests (optional).

Calling:

Visitors press the CALL button on camera unit, the visual image of the visitor appears on the monitor inside with a electrical doorbell chime sound.

Conversation:

After identifying the visitor visually, talk to the visitor shown on the screen by pressing the CALL/ MONITOR button and have a conversation just as you would on a normal speaker phone (hands-free operation).

Monitoring:

Simply press the MONITOR button to identify visitors at the door without them being aware that they are being watched or to monitor the immediate area around the doorway. This allows you to monitor the visitors at your door, even though they may not have pressed the call button. This can help to avoid the risk of opening the door to strangers or to observe the area if you suspect foul play.

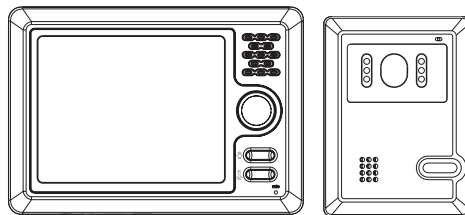
Contents

Features	1
System Outline	2
Installation instructions	3
Preparing for installation	3
Warnings	3
Monitor & Camera Installation	4
One-to-One Installation	5
One-to-Two Installation	5
Two-to-One Installation	6
Two-to-Two Installation	7
 Basic Operations	 8
Answering Calls	8
Monitoring Outdoors	8
Adjusting Volume and Brightness	8
Panic and Door Lock Buttons	8
One-to-One Operating Instructions	9
Two-to-One Operating Instructions	10
Two-to-Two Operating Instructions	11
 Specifications	 12

Features

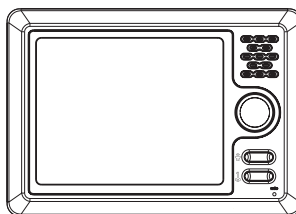
Video Door phone Kit

- Easy installation and operation
- Ideal solution for home video security
- See who's at the door before opening it!
- CCD Camera
- Large 5" colour screen
- IR illumination on camera
- Video and two way intercom
- Door lock control
- Mounting hardware supplied



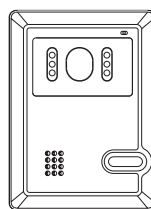
Colour Monitor

- 5" colour TFT-LCD Screen
- High resolution: 640*480 pixels
- Handsfree operation
- Door lock control
- Panic button to deter would-be intruders
- External video and audio output
- Volume and brightness controls
- Auto off
- Slim and stylish design
- 185 (W) x 130 (H) x 27 (D) mm



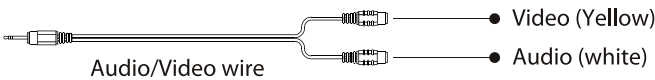
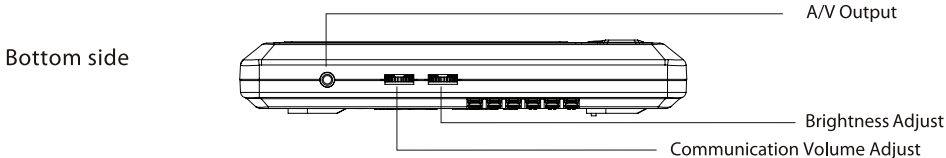
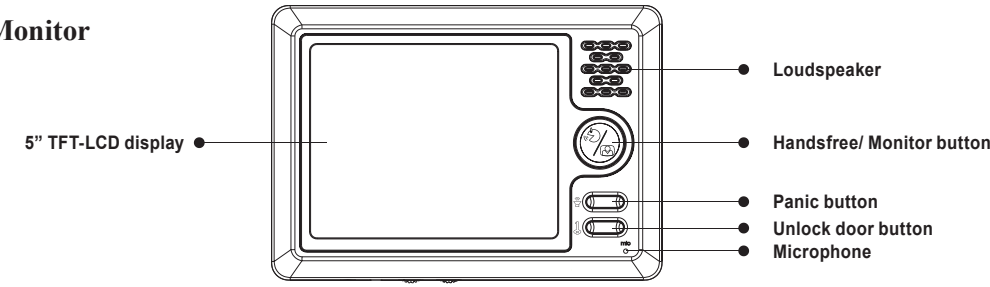
Video Camera

- CCD Camera
- Surface mount colour camera
- 6 IR LEDs for night viewing
- Lens with vertical adjustment
- Handsfree operation
- Built-in microphone
- Weatherproof casing
- 127 (H) x 95 (W) x 35 (D) mm



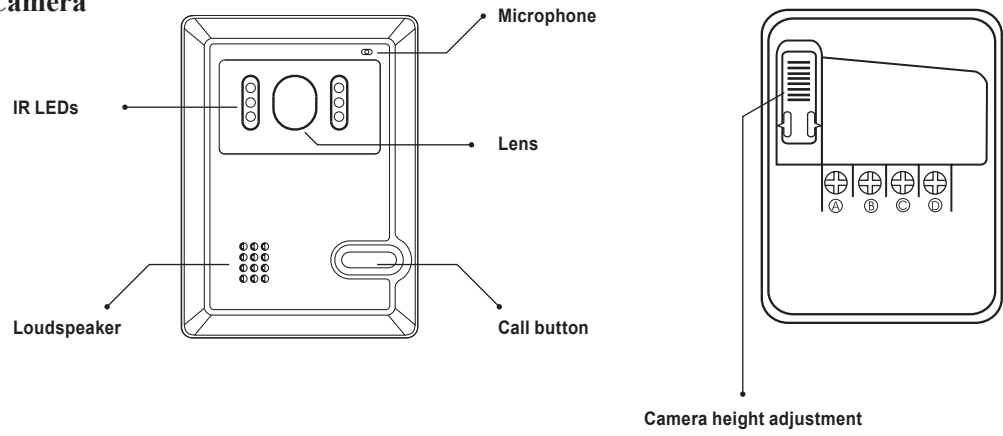
System Outline

Monitor



- Use the supplied AV lead to be able to connect your camera to any TV or external display. On your monitor, connect the 3.5mm jack to the output labelled "AV Out". Using the two RCA leads, connect the yellow lead for video, white for audio.
- You will still be able to view the camera on your monitor.

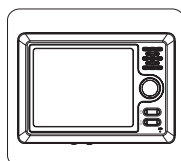
Camera



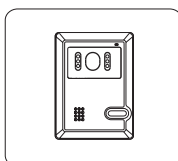
Installation Instructions

Preparing for installation

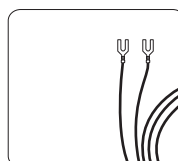
Before you begin the installation of your system, please ensure you have the following parts on hand.



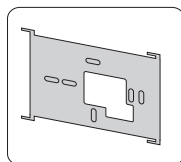
Monitor



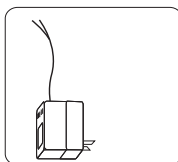
Camera



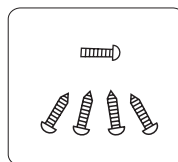
Cable



Support for
wall mount



Power supply

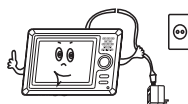


Screws

Warnings



Do not place the monitor near strong magnetic fields, such as near TVs, video recorders etc.



Turn off power if monitor is not going to be used for a long period of time.



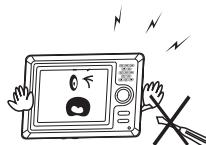
Protect the monitor from water.



Do not apply shock to the monitor.



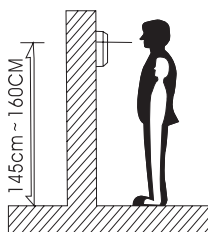
Do not place either the monitor or the camera under direct sunlight, or under strong weather conditions.



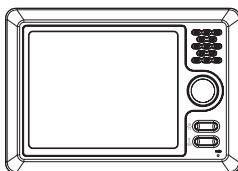
There is high voltage inside your system, do not attempt to disassemble it by yourself. Your unit should only be serviced by a qualified technician.

Monitor Installation Instructions

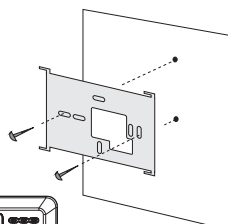
Follow the diagram below to install your monitor.



The optimum height for the monitor installation is between 145 cm and 160 cm based on the centre of the LCD screen.



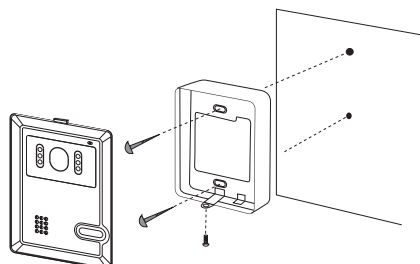
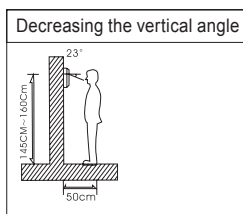
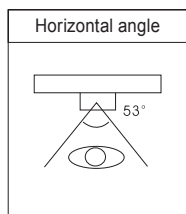
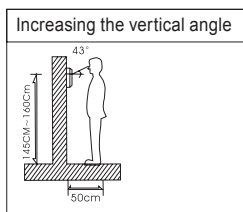
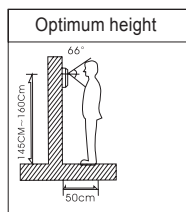
Using 2 screws fix the wall plate to the wall and attach the monitor the bracket.



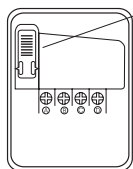
Camera Installation Instructions

Follow the diagram below to install your camera.

Positioning



1. Unscrew the bottom of the camera to detach the mounting plate.
2. Using two screws, fix the camera plate to the wall and re-attach the camera unit.



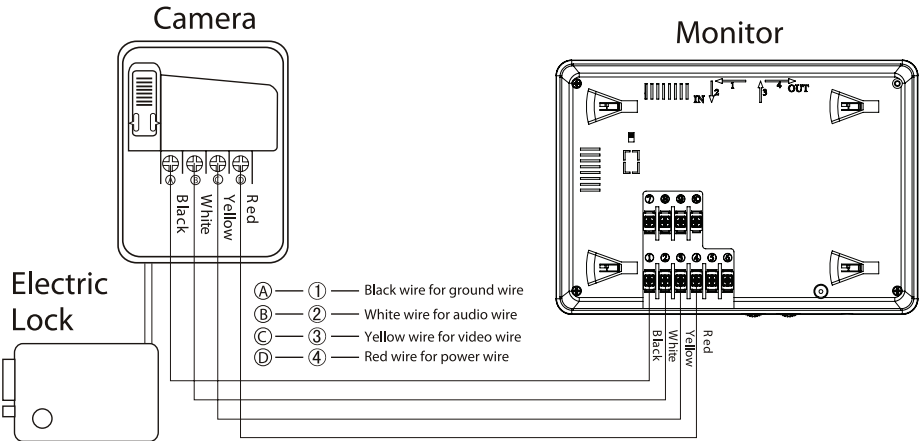
You can adjust the vertical angle of the camera lens using the slider located on the back.

One to One Connection Instructions

Follow the diagram below to setup your intercom.

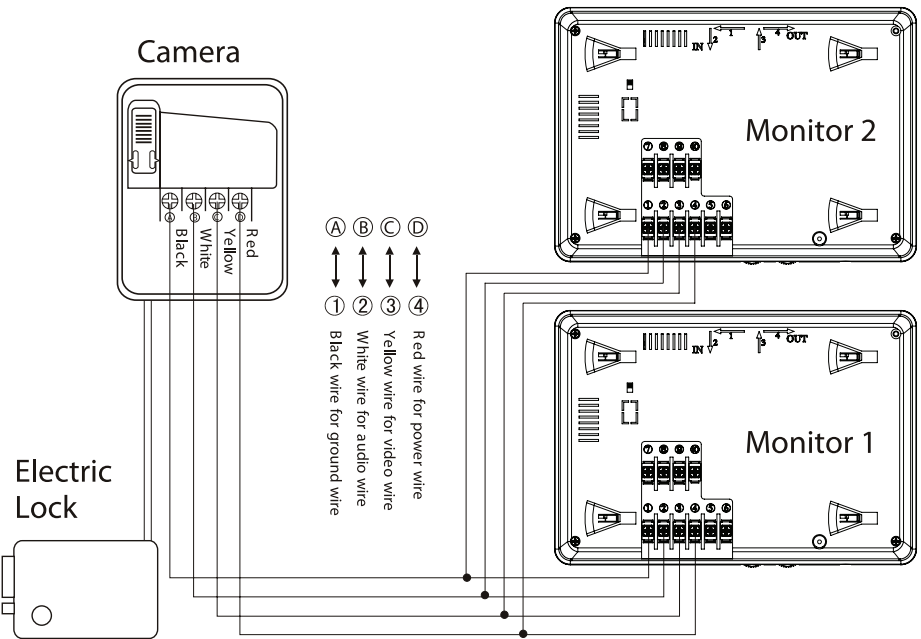
WARNING

- Make sure power is disconnected to the unit before you connect the monitor to the camera!



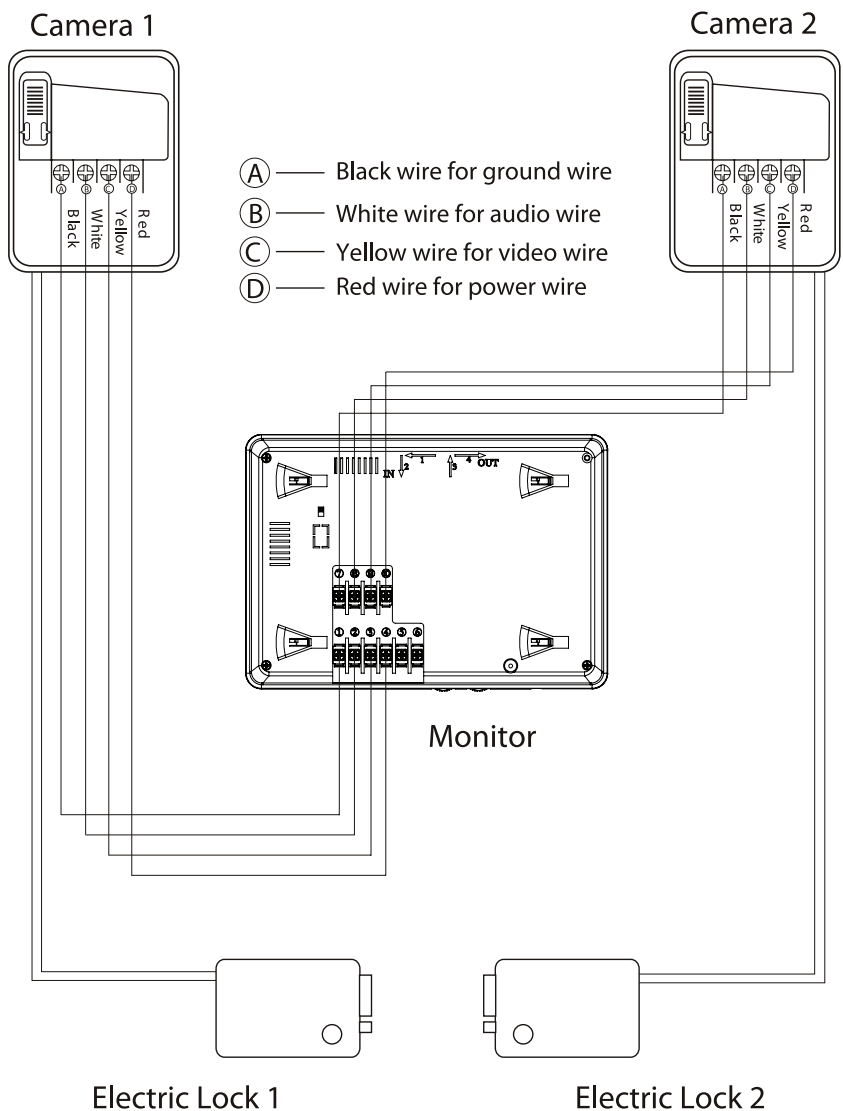
One to Two Connection Instructions

Follow the diagram below to setup your intercom.



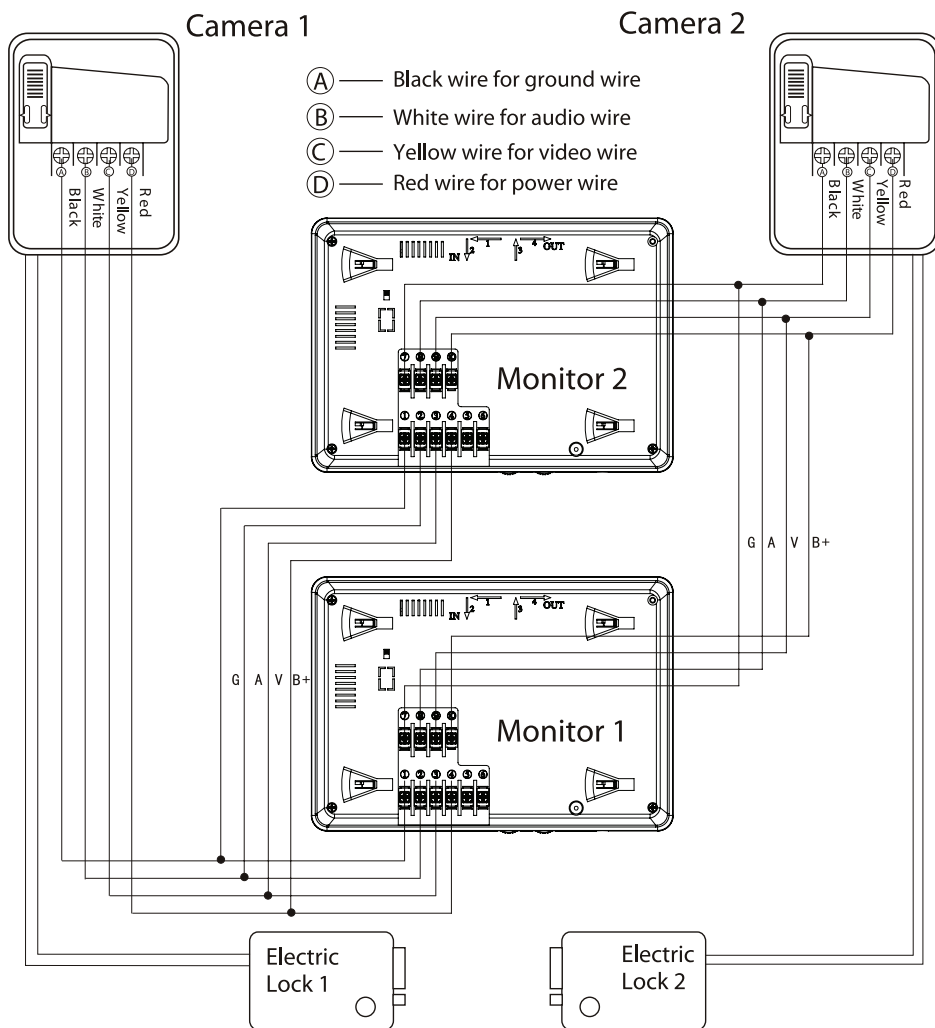
Two to One Connection Instructions

Follow the diagram below to setup your intercom.



Two to Two Connection Instructions

Follow the diagram below to setup your intercom.

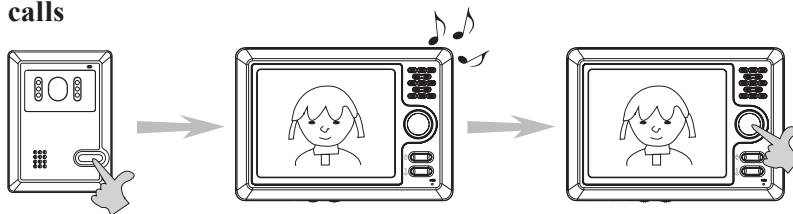


Notice

1. Before install, please plug off the power supply cord. And plug the power supply cord 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 $\times 0.75\text{mm}^2$

Basic Operation

Answering calls



Visitor presses the "Call" button on the camera

The picture of your visitor is displayed on the monitor screen

Press the "Handsfree" button on your monitor to initiate your conversation. Next press the "Unlock" button to have the door automatically open.

- When you press the "Handsfree" button and communicate with your visitor for more than 2 minutes, the monitor will turn off automatically. To resume your communication, re-press the "handsfree" button.
- When the visitor presses the "Call" button on the camera, the monitor will turn on showing you the visitor's picture, if the call is unanswered within 60 seconds, the monitor will auto turn off.

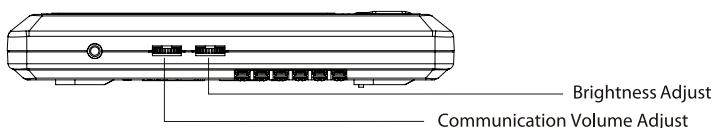
Monitoring outdoors



Press the "Call/Monitor" button



You can view what is going outside for approx. 60 seconds

Adjusting volume and brightness

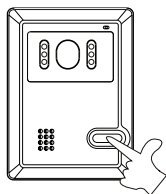


- Use the control dials located on the bottom of the monitor to adjust the brightness or volume levels.

Panic and Door lock buttons

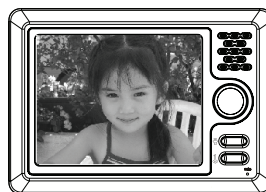
-  **PANIC BUTTON**
Pressing and holding down the panic button will emit a loud alarm from the outside camera as a deterrent to unwanted visitors.
-  **DOOR LOCK BUTTON**
If you have installed the door-lock feature, you can unlock the door by pressing the unlock button.

One to One Operation Instructions



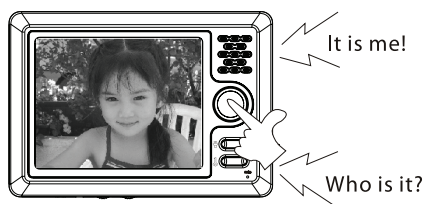
①

Press the Call button by the visitor.



②

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



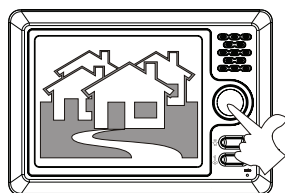
③

Press the Hand Free button and communicate with the visitor.



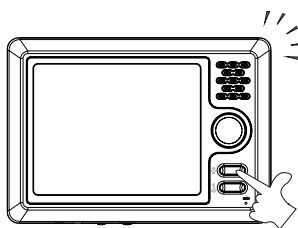
④

Press the Unlock button to open the door.



⑤

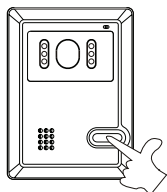
On standby, press the Monitor button then the outside picture is in stakeout.



⑥

While working, press the Warning button then the out-door camera will alarm loudly. The function do not work on standby.

Two to One Operation Instructions



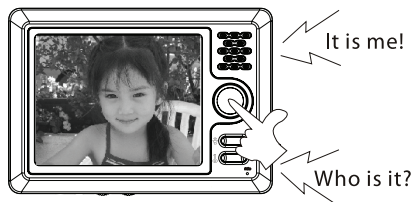
①

Press the Call button on any one camera by the visitor



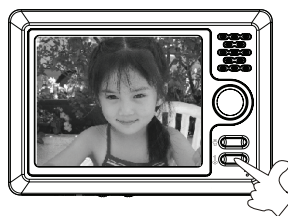
②

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



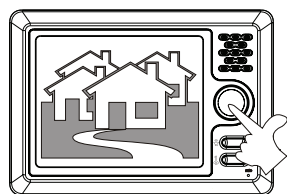
③

Press the Hand Free button and communicate with the visitor



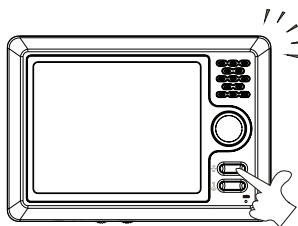
④

Press the Unlock button to open the door.



⑤

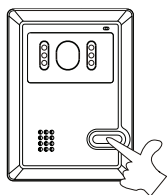
On standby, press the Monitor button then the outside picture is in stakeout.



⑥

While working, press the Warning button then the out-door camera will alarm loudly. The function do not work on standby.

Two to Two Operation Instructions



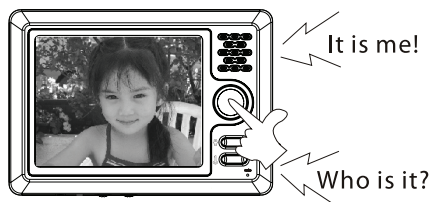
①

Press the Call button on any one camera by the visitor



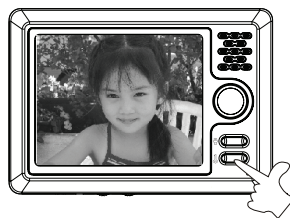
②

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



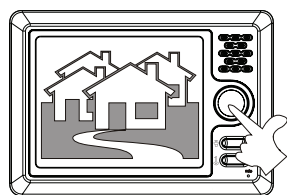
③

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



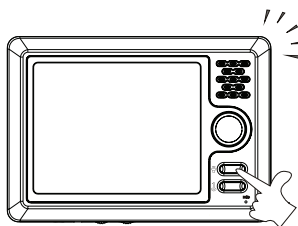
④

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.



⑥

Press the Warning button then the working out-door camera will alarm loudly. The function do not work on standby.

Specifications

Monitor

Power supply	DC 13.5 V 1.5Amp
Power consumption	About 10W in operation ; about 0.5W in standby
Operation temperature	-15℃ ~ +50℃
Conversation System	Bi-directional conversation through the receiver
Calling Tone	“DingDong” chime
Conversation Time	Automatic cut off after about 1 minute
Scanning Frequency	Horizontal: 15.625KHz Vertical: 50Hz
External dimension	185(L)×130(W)×27(H)mm

Camera

Power supply	DC12V , 0.25A (supplied by the monitor)
Power consumption	About 2.0W in operation
Operation temperature	-15℃ ~ +50℃
Picture Sensor	1/4 " lens
Imagery angle	Diagonal: about 53°
Min. Lighting	0.1 lux for about 30cm
Lighting	Infrared illuminator
External dimension	127(L)×95(W)×35(H)mm

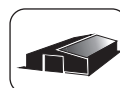
HANDSFREE

DHF52PC **AUDIO/ VIDEO DOOR PHONE**

WITH SURFACE MOUNT CCD CAMERA



Door Guard



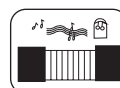
Warehouse



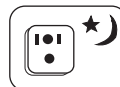
Baby Room



Gate Switch



Visitor Door



Night Vision



Inter-com