Enterview 2 / Enterview 2V
4 WIRE VIDEO DOORPHONE SYSTEM
INSTALLATION AND OPERATION

1. Introduction

This Video doorphone System is an easy-to-use system offering many benefits and conveniences, such as relieving the anxiety of not knowing who is at the door, to the security-conscious business or homeowner:

- ☐ **Automatic video transmission:** When the visitor presses the outdoor call button, the video camera automatically transmits the image of the visitor to the indoor unit while a pleasant electronic chime signals that the visitor is at the door in addition to two-way audio communication.
- ☐ **No-fuss installation:** With the aid of the step-by-step instructions in this guide, the professional installer or the average person can complete fixing and wiring quickly and easily.
- ☐ **Push-button simplicity:** The young and old alike will find the system extremely easy to operate.
- ☐ **High quality image :** This system uses the latest CCD video camera technology for the clearest image.
- ☐ **Auto-IRIS:** Camera exposure automatically adjusts to sun light conditions.
- ☐ **Infrared LED for greater clarity in low light.** An LED lamp at the outdoor unit aids identification of night-time callers without the need for any extra lighting.
- ☐ **Electronic Door Release (option):** An optional function that lets you open the door and lets your visitor in simply by pressing the DOOR KEY button.
- ☐ **Additional Monitor (option):** This system is capable of having up to 3 additional monitors, and can be used to a interphone system between monitor and the other ones.

IMPORTANT : Before attempting to install or operate the system, be sure to study these instructions thoroughly. If there is anything you do not understand, remember that the Helpline is just a phone call away with technical support for the installer and for the end user.
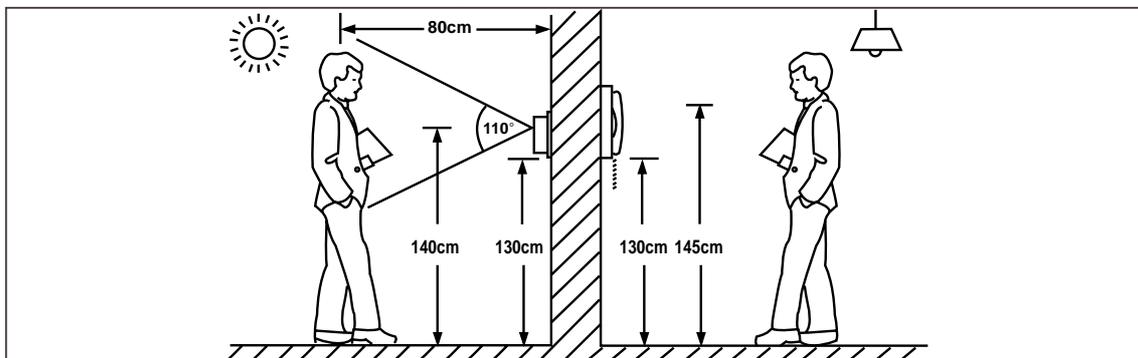
2. Precaution before installing or using the system

General care and cleaning
To clean simply wipe with a soft cloth, dampened slightly in a mild soap solution.
- ■ **DO NOT** spray with an aerosol polish as it may enter the units and cause damage.
- ■ **DO NOT** use abrasive cleaners as they may damage the finish.
- ■ **KEEP** the camera lens filter and the monitor screen free of grease and dust.

Recommended installation heights

IMPORTANT : Installation precautions
Before installing this Video Doorphone System please take note of the following:
- ☐ **DO NOT** position the units where they will be subjected to extremes of moisture, temperature, rust or dust. Do not install the units in extremely cold locations and avoid any extreme temperature variations.
- ☐ **DO NOT** install the outdoor unit in a location where the lens filter is likely to get scratched or very dusty.
- ☐ **DO NOT** overload mains wall outlets or extension cords

□ **DO NOT** expose the units 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.

□ **DO NOT** install near to other electronic equipment such as computers, TV's, VCRs etc.

□ **DO NOT** install near acid oxides, ammonia or any harmful gas.

□ **DO NOT** press both the indoor buttons at the same time as this could cause an overload.
   A recommended installation height is approximately 145 cm from ground level for the indoor unit (if wall mounted) and around 140 cm from ground level for the outdoor unit.

Please note, extra care must be taken when outdoor unit is exposed to direct sunlight, rain & extreme moisture.

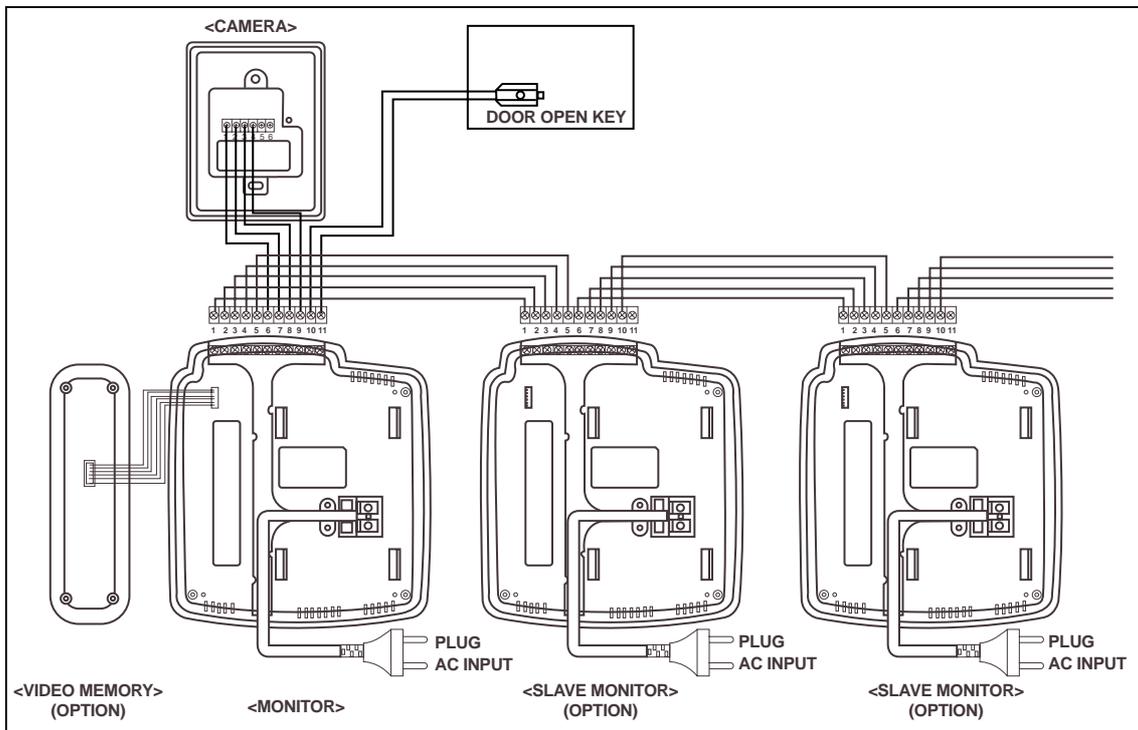## 3. Installation

3-1. Cable connection

When installing this Video Doorphone System, please follow the steps;
Important : Use only alarm cable or telephone cable for inter-phone. Installation length of the line between indoor and outdoor units should not exceed 50 meters. The recommended cable is available from your retailer.

1. Following the wiring diagram below, connect the exact wires to the terminals of camera and door release facility as it is polarity.
2. If the Electronic Door Release facility is to be used, connect the Door Open Key to terminals as shown, key button 12 Volts 500mA.
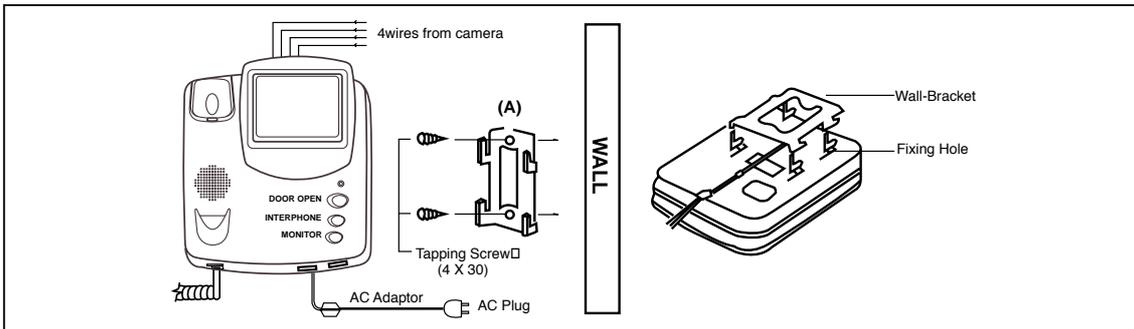
3-2. Wiring Diagram

1. A master monitor cannot be used as a slave monitor and a slave monitor cannot be used as a master monitor. therefore a slave monitor cannot be used as the first monitor in-line.
2. Memory module can be connected to master monitor only.
3. No lock release is supplied with this unit. However, if you do require a lock release then please contact us on 0121-789-8111. Please note that no lock release can be fitted to a UPVC type of door or frame.

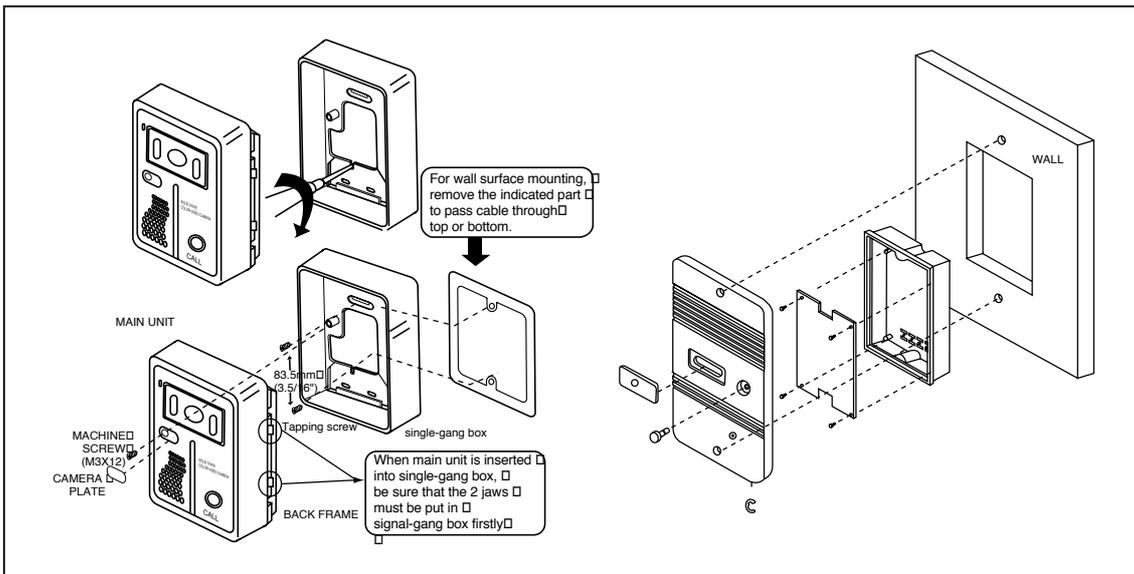|	1	2	3	4	5	6	7	8	9	10	11
Main	Inter-phone	Monitor On/Off	Audio	Ground	Video	CMR1	CMR2	CMR3	CMR4	Door Release	Door Release
Slave	Inter-phone	Monitor On/Off	Audio	Ground	Video	Inter-phone	Monitor On/Off	Audio	Ground	Video	N.C
Camera	CMR1	CMR2	CMR3	CMR4	N.C	N.C					

3-3. Installing the indoor unit

1. Connect the 4-wire cable to the unit as described in 'Cable connection'. Then follow the advice given in section 2 & 3.
   Important installation precautions: Decide on a convenient location for the indoor unit.

2. If the unit is to be wall-mounted, fix the wall-mounting bracket securely to the wall using spacers and screws provided. Ensure that the bracket is flat against the wall and level. If wall mounting is not required simply position the unit on a suitable table or desktop.

3. With the wall bracket securely fixed to the wall, place the indoor unit firmly against the bracket and line up the clips(A) on the wall bracket with the wall mounting slots(A) on the rear of the indoor unit.

4. When you are sure that the wall bracket clips are correctly aligned with the wall mounting slots on the rear of the indoor unit, press down on the indoor unit so that it slides easily on to the wall bracket hooks.

5. Ensure that the unit is correctly and securely positioned on the wall bracket. Now run the connecting cable to the point where the outdoor unit is to be sited, ensuring that cable runs tidily, either in a channel in the wall or floor or fastened neatly onto the surface of walls, skirting boards etc.

3-4. Installing the outdoor unit

1. Following the advice in the 'Recommended installation heights' diagram and the section 'Important installation advice', decide on the best location for the outdoor unit. Now connect the 4-wire cable to the outdoor unit as described earlier in 'Cable connection'.
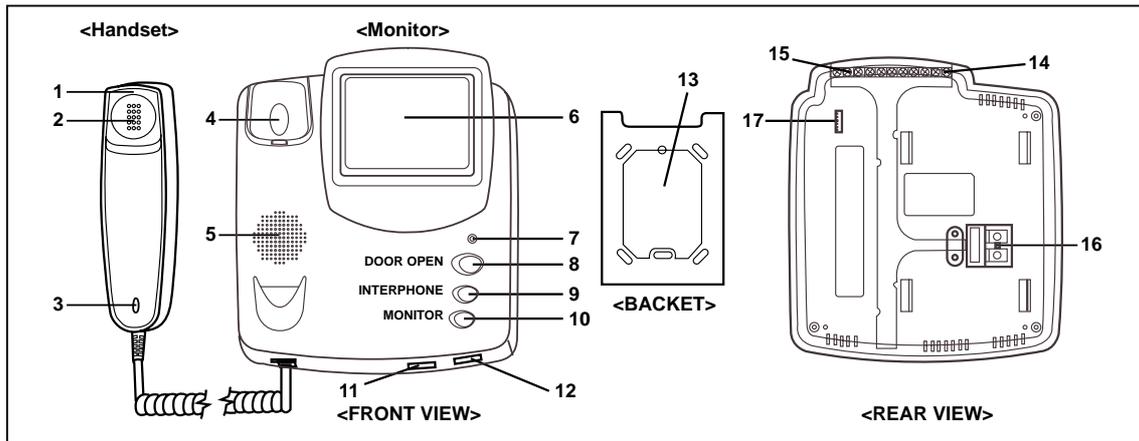

❖ **Caution** : After installation of camera, please take out vinyl on camera lens.

① Remove the back frame of camera unit using the screw driver.
② Mount the camera back frame to wall with tamperproof screw 2EA
③ Connect a lead wire with terminal in line with connecting system.
④ After connecting on the back of the camera unit, fix the camera firmly into the attached back frame and fasten with machine screw 1EA (M3 × 12)
⑤ After mounting the camera unit, cover the screw hole with the caps supplied.

4. Description of controls

4-1. Monitor unit

1. **HANDSET**

2. **HANDSET EARPIECE**

3. **HANDSET MOUTHPIECE**

4. **HOOK SWITCH:** Handset must be replaced in the correct position on this switch for video image to be received and chime to sound.

5. **INTEGRAL SPEAKER:** Electric door chime is heard through this speaker.

6. **MONITOR SCREEN:** Visual image appears on this screen when caller presses the Call button on the outer unit.

7. **POWER LED LAMP:** Monitor on - Green, Interphone mode - Red, Outdoor call under interphoneing - Yellow

8. **DOOR OPEN BUTTON:** Activate optional DC12 electronic door release (where a door releaser is installed)

9. **INTERPHONE:** You can call and communicate with another slave monitor.

10. **MONITOR BUTTON:** Press the monitor button just to see who is outside with or without lifting handset as surveillance function.

11. **BRIGHTNESS CONTROL:** Adjusts the brightness of the image on the monitor screen. If the button is pushed to the end of the left, the screen will be off.

12. **VOLUME CONTROL:** Adjusts the volume of the door chime heard through the speaker.

13. **WALL MOUNTING BRACKET:** Used when the indoor unit to be wall mounted.

14. **DOOR KEY TERMINALS:** Connect the 2line wire for releaser (DC12V)
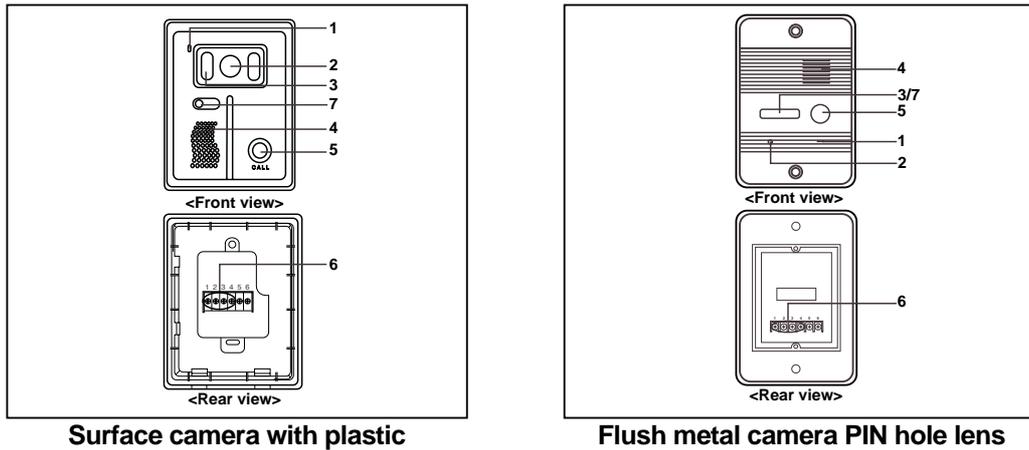
15. **WIRE TERMINALS:** Connect the wires from camera terminals as shown in the wiring diagram.

16. **AC POWER TERMINAL:** Connects the unit to the power cord and then fasten the safety cover.

17. **MEMORY TERMINAL (OPTION):** Remove the jumper and connect the wire connector to the optional memory unit.

18. **AC POWER PLUG (not illustrated):** For connecting the unit to the mains power supply.

4-2. Camera unit

Surface camera with plastic   **Flush metal camera PIN hole lens**

1. **MICROPHONE:** Visitor speaks through microphone.

2. **CAMERA LENS:** It delivers a sharp image to camera's sensitive CCD sensor.

3. **INFRARED LED:** Even in low light, high quality viewing.

4. **SPEAKER:** Visitor hears your voice from speaker.

5. **CALL BUTTON:** A chime sound and the camera operate when pushed.

6. **WIRED TERMINALS TO MONITOR:** Connect with wires to the monitor as shown in the wiring diagram.

7. **HOLE COVER:** After fixation of front cabinet on back cabinet with screw in whole, put hole cover on the hole.

5. Operating of system

Identifying and conversing with callers
When a caller presses the CALL button on the outdoor unit:

■ **An electronic door chime sounds DING-DONG and the visual image appears on the screen. (Same to slave monitor (optional))**
Assuming that your visitor is standing within the range of the camera, you will see the visitor on the monitor screen of the indoor unit

After identifying the visitor you can:

■ **Talk to the visitor shown on the screen by lifting Handset and have conversation just as you would on a normal phone.**

■ **Replace the handset.**
Pressing the CALL button on the outdoor unit activates the camera for 30 seconds only without lifting the handset. However, if you should continue to talk using the handset for longer than 30 seconds, the camera and monitor screen will be on for 2 minute or longer by pressing monitor button.

■ **Electronic Door Release Option**
If your Video Doorphone System is equipped with the Electronic Door Release option (or has been installed for the use of this feature), you can let your caller in simply by pressing the DOOR OPEN button. (Only available when monitor screen is on)

■ **Additional Inter-Phone option**
A supplementary Slave monitor is available as an option to enhance the function of intercommunication with the main monitor. When a visitor presses the CALL button on the out door unit, the electronic chime sounds simultaneously with the main unit. Even during the intercommunication with the main unit, you may talk to the visitor at door simply by pressing the monitor button

■ **Monitoring visitors**
To identify visitors at the door without them being aware that they are being watched or to monitor the immediate area around the doorway:
Press the MONITOR button
Without lifting the handset, your visitor will now be seen on the screen, but will be unaware of that they are being monitored. This particularly useful feature allows you to monitor the visitors at door even though they may not have pressed the CALL button and can help to avoid the risk of opening the door to strangers.

IMPORTANT PRECAUTIONS
- ☐ **DO NOT** press both the indoor buttons at the same time as this could cause an overload.
- ☐ **DO NOT** drop, shake, or subject units to shock.
- ☐ **DO NOT** clean the units with benzene, thinners, or any solvents. Wipe off dust and marks with a soft cloth slightly moistened in mild soapy water.
- ☐ **DO** disconnect the unit from the main power even when the unit is not to be used for some time.
- ☐ **DO NOT** connect to the Public switched telephone network.

6. Technical specification

Camera

CCD	Black and White 1/3" CCD
SYNC system	Internal
Frame	30 / sec
Lens	F=2.0 Fixed focus, 110 degree view angle.
Output signal	Composite Video 75ohm 1Vp-p
Illumination	0.1 lux (Auto lighting)
Power consumption	DC 12V 4W
Telephone call system	4 wire
Signal system	CCIR / EIA
Scanning system	625(CCIR) / 525(EIA) Lines
Auto iris	Internal ALC system
Microphone	Built-in Condenser Type
Audio amp	Built-in RX and TX

Monitor

Monitor	4" Black and White flat type
Scanning Frequency	EIA:15.75KHz(H) 60Hz(V) CCIR :15.625KHz(H) 50Hz(V)
Power consumption	AC 90~240V, 0.8A
Resolution	400 TV lines at center
Input Signal	Composite Video 75Ω 1V p-p
Dimensions (mm)	190(W) X 230(H) X 52(D) mm
Weight(g)	1,300g

7. Trouble shooting

Before asking for a serviceman check the system with diagram.

NO	Problem	Check Point
1	Nothing Works	Check to insure that AC cord is plugged into a wall AC output
2	Camera or Monitor do not work	Check the wires to make sure they are connected to the line terminals. Is the number of wires matched correctly between outdoor camera unit and indoor monitor?
3	No picture	Adjust BRIGHTNESS control
4	Picture does not adjust to light conditions	Direct light is hitting camera lens.
5	Monitor picture too dark	Adjust BRIGHTNESS control.
6	Interphone does not working	Is the modular jack from handset fimly inserted to indoor monitor?
7	Volume is too low on calling tone	Adjust the call volume control.