VIDEO DOORPHONE

(Villa)







Contents

1. Introduction 4
2. Camera Front &Rear illustration..... 5
3. Indoor Unit 6
4. Basic Operation 7
5. Wiring Diagram 9
6. Intercom System Installation 11
7. Camera Rear Installation 12
8. Monitor Setup..... 14
9. Specifications..... 15
10. Operating conditions..... 16
11. Maintenance 16
12. Warnings..... 16
13. Parts 18
14. Technical support..... 18
15. Notes 19

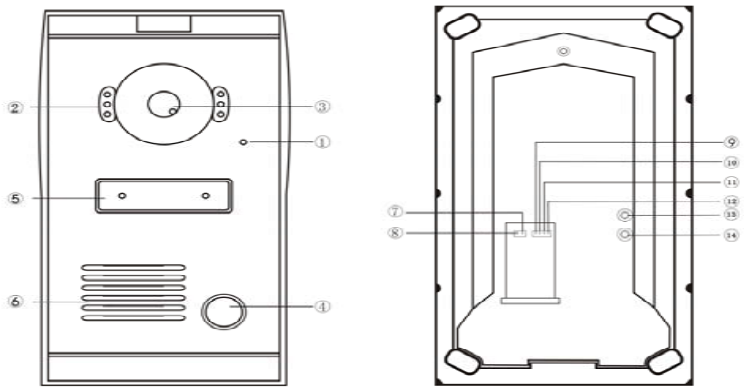
Note: Due to ongoing product development and quality improvements, it is possible that the illustrations shown in this manual differ slightly from the actual product.

1. Introduction

This Intercom system is a flexible and user-friendly system that allows a number of monitors to be used with a number of door units with cameras. The monitors allow visibility of the callers via the camera in the door units and, when used with the optional electronic lock, enable the resident to electronically open the door for the caller.

The monitor has a modern appearance, user-friendly design, changeable ABS plastic screen or glass screen, and simple to use individual control buttons. Image is very clear and with its simple installation it is an ideal home security product which will make for a safer home environment.

2. Camera Front & Rear illustration:



Key components Description:

（1）Microphone (sends caller’s voice to indoor unit)
（2）Infrared light (enables the camera to function at night)
（3）Camera lens (sends caller’s image to indoor unit)
（4）Call button (Used to call the home owner and turn on the camera)
（5）Unlock light
（6）Speaker (allows the caller to hear the home owner’s voice)
（7）lock wire (+)
（8）lock wire (-)
（9）power cable
（10）Audio cable
（11）GND
(12) video cable

14. Technical Support

Please use and install in strict accordance with the user's manual. If you meet any problems in the installation process, please call us for technical support and consulting services.

【*Notes*】

(1) Our Company is committed to reform and innovation, and reserves the right to make changes and improvements without further notice. Illustrations in this manual are for reference only.
(2) All warranty and liability is void should you or your dealer open the unit without authorization or remove/deface the product labeling
(3) Please ensure you carefully record and keep the Serial Number label on the machine. It is the only means of identifying your product.
(4) Warranty: For one year from purchasing this product, we promise to provide you with free maintenance and technical support. This excludes damage during installation, unauthorized tampering and willful damage.
(5) Warranty periods different from this cannot be support by the manufacturer.

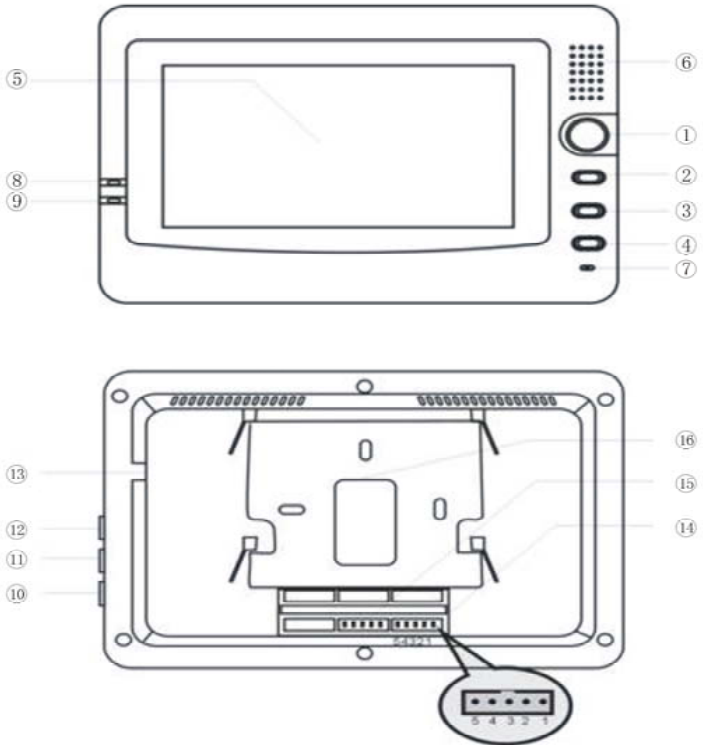
9. In the case of electrical storms, unplug power supply from AC outlet. It can cause fire, electrical shock, or power surge.
10. Do not install components in any of the following locations, as it may cause the system to malfunction:
    - High or extreme cold temperature area: under direct sunlight, near equipment that varies in temperature, in front of air conditioner.
    - Places subject to moisture or humidity extremes, such as bathroom, cellar, greenhouse, etc.
    - Places subject to environmental conditions, such as oil, dust, salts, chemicals, etc.
    - Places subject to constant vibration or impact.
    - Places where noise generating devices, such as close to TV or radio equipment.
11. Monitor is designed for indoor use only. Do not install outdoors.
12. Keep the equipment dry. If water should get in, wipe off immediately. Water contains minerals that can erode electronic circuits.
13. Intercom system is not operational during a power failure.
14. Intercom system may be affected by radio frequency interference or EMI (Electromagnetic Interference) in areas where broadcasting station antennas are close by。

13. Parts

□ Monitor □ Camera
□ 14V/1A power □ User manual
□Terminal extension cables *2 □ Wall mounting bracket

Note: Electronic lock is not included

3. Indoor Unit



Key components description:
(1)Talk / up button:
(2) Down button
(3) Setting / Monitor button:
(4)Unlock button:
(5)Display screen

(6)Speaker:
(7)Microphone:
(8) Activity indicator LED
(9) Power indicator LED
(10)Volume adjustment
(11)Contrast adjustment
(12)Brightness adjustment
(13)DC input socket:
(14)Camera connection socket
(15)Second monitor connection socket
(16) Wall Mounting Bracket

4. Basic Operation

Set date and time :

- On the back case of outdoor phone , have “Set”, “delete” 2 key
- Connect between indoor phone and outdoor phone with 1 meter wire , then power on .
- Press Call key in outdoor phone , then Press accept key in indoor phone to listen .

Inner call

> Press Key 1:Talk in indoor phone , self-indoor phone ‘s light and ring are working when many indoor phones connect together .

> Besides itself all indoor phones ‘ light and ring are working . waiting for accepting .

>Any indoor phone ‘s hoster press “key 1” to accept for about 60s .

11. Maintenance

① Use a soft, dry cloth to wipe and dry the machine
② Switch off power to the indoor unit before cleaning
③ Difficult to remove dirt can be cleaned using a neutral detergent with a soft towel before drying with a soft dry cloth
④ Do not use benzene, thinner or other organic solvents such as gasoline to clean. These solvents may damage the machine casing or the surface and may discolor the buttons

12. Warnings

1. The machine should be installed in a solid, well-ventilated, dry environment away from direct sunlight, strong magnetic field and dust
2. Do not use chemicals to clean the surface, you should use a clean, dry soft cloth to wipe
3. Avoid pressing several keys together
4. Only use products with these units that have been produced by our factory. Other products may not be compatible and may not work correctly.
5. Do not disassemble the machine without authorization. If there is a fault that needs repair, please contact your dealer.
6. Do not install or make any wire adjustment while power supply is plugged in. It can cause electrical shock or damage to the unit.
7. Do not manually hold down hook switch to verify chime volume. It could cause loud feedback in the handset and can lead to hearing damage.
8. Do not mount the monitor where it could be bumped, hit, or easily jolted.

9. Specifications

Outdoor camera		Indoor monitor	
Power	DC14V （Receive power from monitor ）	Power	Input：AC 100-240V 50/60Hz Output：DC 14V/1A
Camera	CMOS 300,000 pixel Angle Of View is 90 degree	Screen	7” TFT
Illumination	6pcs Infrared light 2 high shine blue light	LCD Resolution	960×234pixels
Lens	1/3 Cmos 380TV Lines	Communication Model	Handfree Communication
Cam Size	25(H)*40(W)*55(L) mm	wire Connection	4-wire Connection
Volume of TFCard	128M	Chime Melody	3 Chimes
Volume of record in photo	200 pcs	Maximum Power Consumption	20W
resolution	640*480	Dimensions	39(H)*165(W)*239(L)mm

10. Operating conditions

① Operating temperature range：-15°C to +55°C

② Operating humidity: less than 85％, non-condensing

Monitor .

>Install all indoor phones , connect the outdoor phone and indoor phone , power on .

>Press”key 3” , system will go into the monitor function .Display screen is lighting .Now , can see the outdoor condition .

- If press” key 1” , the Activity indicatior LED in indoor phone is shine .and can talk with outdoor .about 15s .
- If press”key 4” , can open the door with e-lock .

Quit monitor

- In the condition of monitor and not talking , press “key 3” to quit the monitor .
- In the conditoin of monitor and talking , Press”key 3” , press”key 1”to quit the monitor .
- If no press key after the condtion of monitor , The system will be off and the display of indoor phone will be automatically quit .

Outer call

>when visitor press key in outdoor phone , ring ,display and light in indoor phone are working,/

At the same time , the system automatically shoot the imagine outdoor

>Pess “key 1” system will in call condition . Now can talk with outdoor phone . Press “key 4” can open door if the outdoor phone connect e-lock .

Quit outer call

- In the condition of out call , Press “key 1” or “press Key 3” to quit . At the same time , the display and light of station is not working .
- Indoor phone will be automatically off in 20s when out call is no accept by indoor phone .

- System will be automatically off when the talking between indoor and outdoor no stop after 60s .

Select the kinds of ring .

> Syterm will go into the Select the kinds of ring ‘s function if press “key 3” for about 5 s when the indoor phone is not working . At the same time, this indoor phone is ringing .

> Now press “key 2” to select the kinds of ring . (the indoor phone have 3 kinds to recycle)

>Quit from Select function if press “key 3” after the ring is ok . and the systerm come back to waitting .

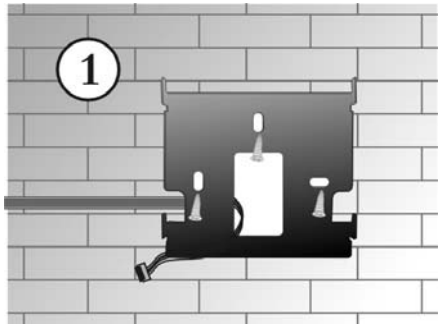
Select the volum of voice .

> System will go into the Select the volum of voice funciton if press “ key 2” for about 5 s when the indoor phone is not working. At the same time, this indoor phone is ringing .

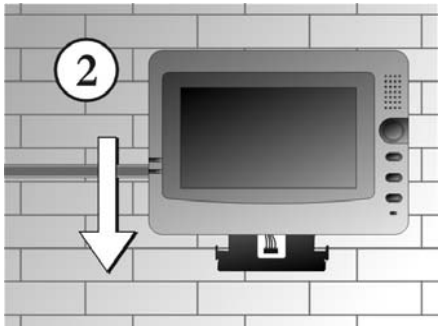
>Now press” key 3 “ to select the volum of voice (the vocie including 4 degrade to recycle) . the volume will turn from the lowest to the max if press “key 3” .

> Quit from Select function if press “key 2” after the volume is ok . and the systerm come back to waiting .

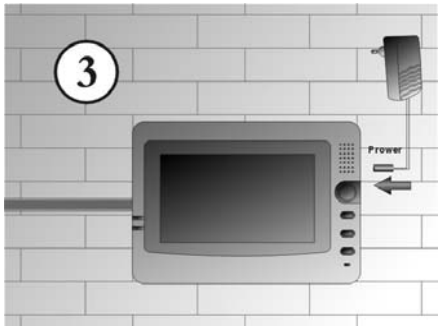
8.Monitor Setup



1 .Drill three holes on the wall according to the monitor's wall mounting bracket. Move the cables through the monitor's wall mounting bracket then secure the mounting bracket using screws.

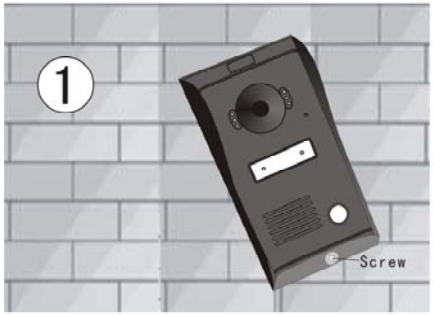


2. Attach cables to the monitor ,then Install the monitor on the wall mounting



3. Finish the monitor installion and plug the adaptor,power on .

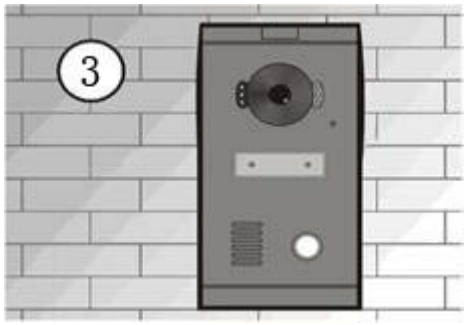
7.Camera Rear Installation



1.tak of the metal outcase .Turn down the screw(as picture show) and Connect the 4-wire cable on the back of camera (1-1, 2-2, 3-3, 4-4). 2-wire cable for lock is optional to connect.



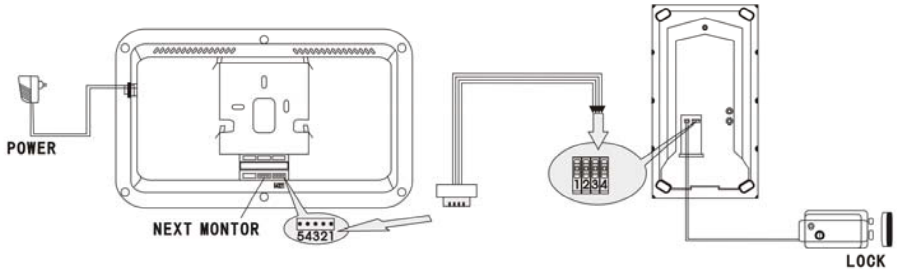
2. Select a location for the outdoor camera. And fix 4 screws into 4 holes in the wall with plastic bracket and inner case .



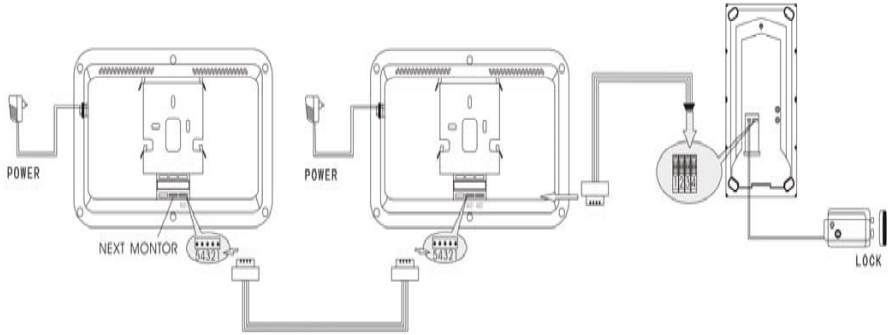
3. Secure to the camera's rear cover using the screws through these two holes. And finished the camera installion

5.Wiring Diagram

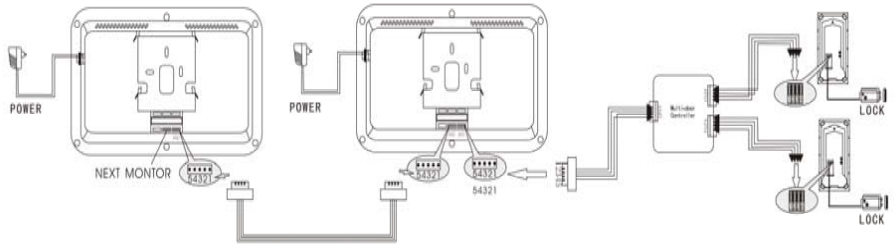
1. One camera to one monitor



2. One camera to two monitor



3. two camera to two monitor



4.:Cable Specifications

A: Maximum length of cable from camera to monitor

B: Maximum length of cable from monitor to monitor

C: Maximum length of cable Lock to camera cables

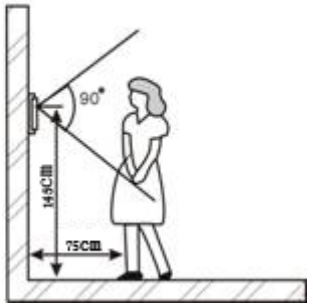
	0.2MM²	0.5MM²	1.0MM²
A	30M	50M	100M
B	30M	50M	100M
C	2M	3M	5M

	Color	Cable Function
1	Yellow/Gray	Video
2	Black	GND
3	Blue	Audio
4	Red/Brown	Power
5	Green	Talk

	Color	Cable Function
1	Yellow/Gray	Video
2	Black	GND
3	Blue	Audio
4	Red/Brown	Power

	Color	Cable Function
1	Red	Lock +
2	Black	Lock -

6. Intercom System Installation



Mounting Position,

Door Station

The standard height for the door station installation is 1450mm. (note: this depends on the individual's height), so the centre of the lens coincides with the line of vision. The distance between the ground level and the bottom of the door station is approximately 1300mm.The total field of

view of the door station lens is 90 degrees about the horizontal axis.The maximum distance between the caller and door station for a clear image should be less than 750mm.



Mounting Position,

Intercom Station

The standard height for the intercom station installation is 1300mm (note: this depends on the individual's height), so the centre of the monitor coincides with the line of vision.

The distance between the ground level and the bottom of the intercom station is approximately 1300mm.