

VIDEO INTERCOM SYSTEM

USERS'MANUAL



@lpha Intercom

2900 Boul Le Corbusier local 200

Laval Qc Canada H7L 3M2

ph: 450-681-3369

www.alphaintercom.com

MANUAL CODE: -528F61VP08

Contents

Installation Guide.....	2
Features & Specifications	3
Descriptions of Monitor	4
Descriptions of Doorbell/Camera	4
Descriptions of Doorbell/Camera	5
Wiring Diagrams and Schematics	8
SYSTEM SCHEMATICS	9
WIRING DIAGRAMS	10
INSTALLATION	12
Operation Guide.....	14
System Settings.....	15
Function Guide.....	17

Installation

Guide

Features & Specifications

Features

- Dual communication & Call Transfer
- Door Release
- Image capture (8Pictures)
- TV/MUSIC Playing
- Supports up to 2 Outdoor units and 8 Indoor units if connected our Smart Hub (Model No.: 528FH)
- Monitor/Intercom/Broadcast
- System settable (Time/volume/Brightness/Contrast/Color)
- Hands free surface/flush mounted, 5/7 inch TFT Screen

Technical Specifications:

Monitor

Display screen	7 inch TFT
Resolution	> 400 TV lines
Scan frequency	15,625Hz(H)×50Hz(V)
Power voltage	DC 18V 800mA
Video input	75Ω 1Vp-p
Power consumption	1.5w ~12 w
Wiring mode	4 wires, polar
Dimension	260 (W) × 195 (H) ×44 (D)

Doorbell/Camera

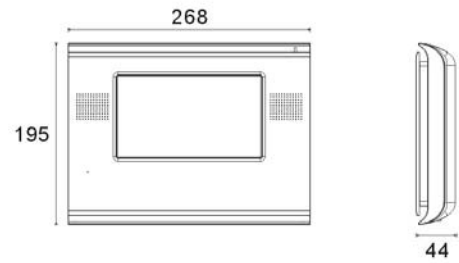
Camera	1/3 inch or 1/4 inch color
Resolution	420 TV lines
Video output	75Ω 1Vp-p
View angle	68-degree wide-angle camera
Min illumination	0 Lux
Night vision light	3 LED light
Power voltage	DC 12v
Power consumption	2w

Descriptions of Monitor



- ①-----Answer/Monitor
- ②-----Call transfer/Broadcast/Intercommunication
- ③-----Door Release
- ④-----Adjust button(left)
- ⑤-----Adjust button(right)
- ⑥-----Off button
- ⑦-----Image capture/Menu Switch
- ⑧-----
- ⑨-----Speaker
- ⑩-----Indicator
- ⑪-----7 inch Touch-screen
- ⑫-----Speaker
- ⑬-----Microphone
- ⑭-----Room to Room call buttons

Dimension



MC-528F61 Series

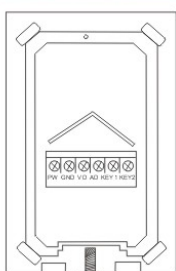
Descriptions of Doorbell/Camera

560F68:



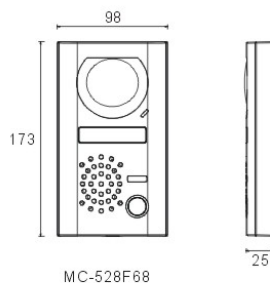
- 1----- Camera Lens
- 2----- Microphone
- 3----- Indicator/Name Plate
- 4----- Call button
- 5----- Speaker
- 6----- Night Vision LEDs

DESCRIPTIONS OF DOORBELL-REAR



- PW: Power supply positive for Doorbell/camera
- GND: Power supply ground for Doorbell/camera
- VD: Image signal transmitting line
- AD: Talk and control lines
- KEY1: Door release
- KEY2: Door release

DIMENSION

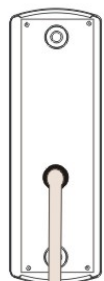


560F69:



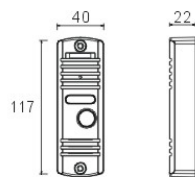
- 1----- Microphone
- 2----- Screw Hole
- 3----- Pin Hole Camera
- 4----- IR-LED
- 5----- Call button
- 6----- Speaker
- 7----- Screw Hole
- 8----- Rain-proof cover
- 9----- Flush-mounted back-box
- 10----- Wall-bracket

DESCRIPTIONS OF DOORBELL-REAR



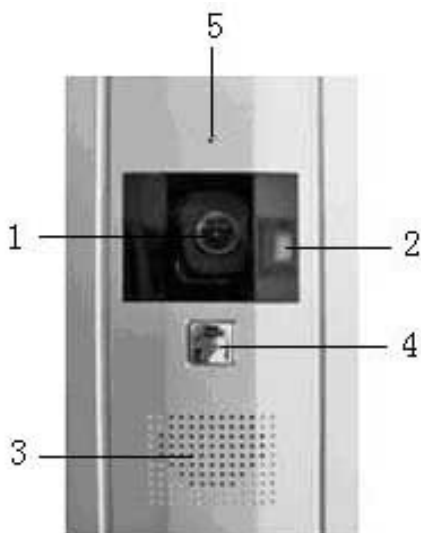
- 1R(PW): Power supply positive for Doorbell/camera
- 2B(GND): Power supply ground for Doorbell/camera
- 3Y(VD): Image signal transmitting line
- 4W(AD): Talk and control lines
- BL(KEY 1): Door release
- GR(KEY 2): Door release

DIMENSION



MC-528F69

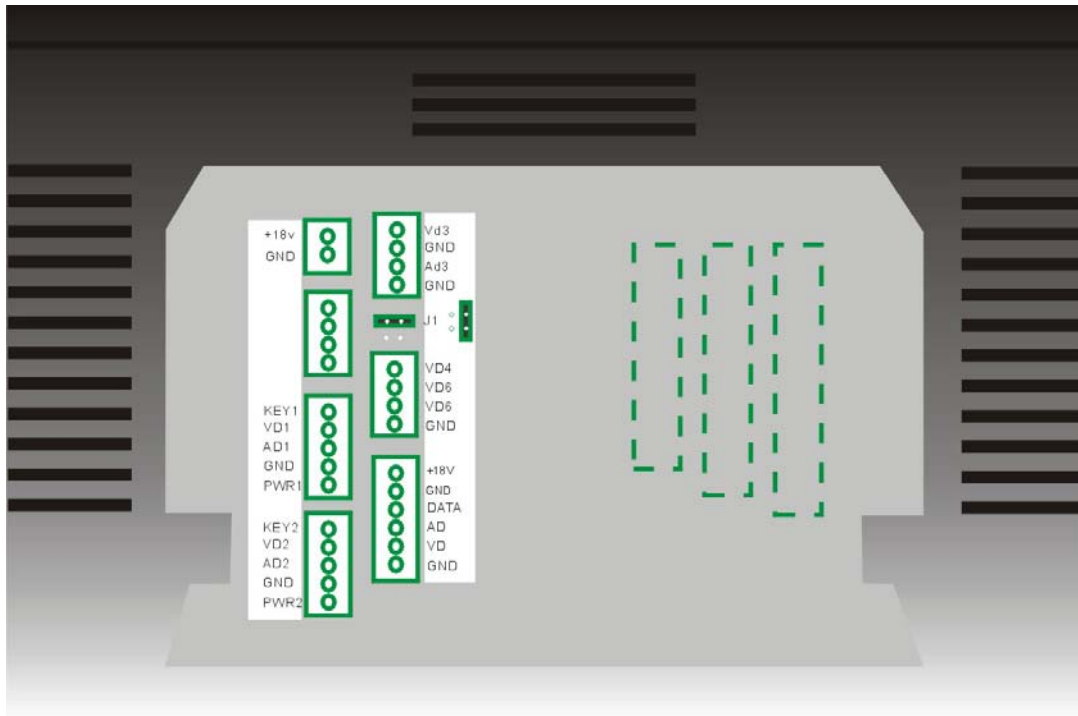
560F50:



1. Camera
2. Infrared LED
3. Loud speaker
4. Call button
5. Microphone

1R: +12V power supply positive for Doorbell/camera
2B: GND power supply ground for Doorbell/camera
3Y: VIDEO image signal transmitting line
4W: AUDIO talk and control lines

Wiring Diagrams and Schematics



Connection block CN1:

18V,GND: Terminals for Power Supply Input

Connection block CN3:

,KEY1+(SDOOR1)、 VD1、 AU1、 GND、 PWR1

Terminals for Power Unlock / Video / Audio / Ground / supply for the Doorbell / camera1.

Connection block CN4:

,KEY1+(SDOOR1)、 VD1、 AU1、 GND、 PWR1

Terminals for Power Unlock / Video / Audio / Ground / supply for the Doorbell / camera1.

Connection block CN5:

Standby Block

VD3,GND,AD3,GND:

Terminals for Extension Audio / Ground / Extension Video / Ground

J1: 75R jump line

Connection block CN6:

VD4,VD5,VD6,GND:

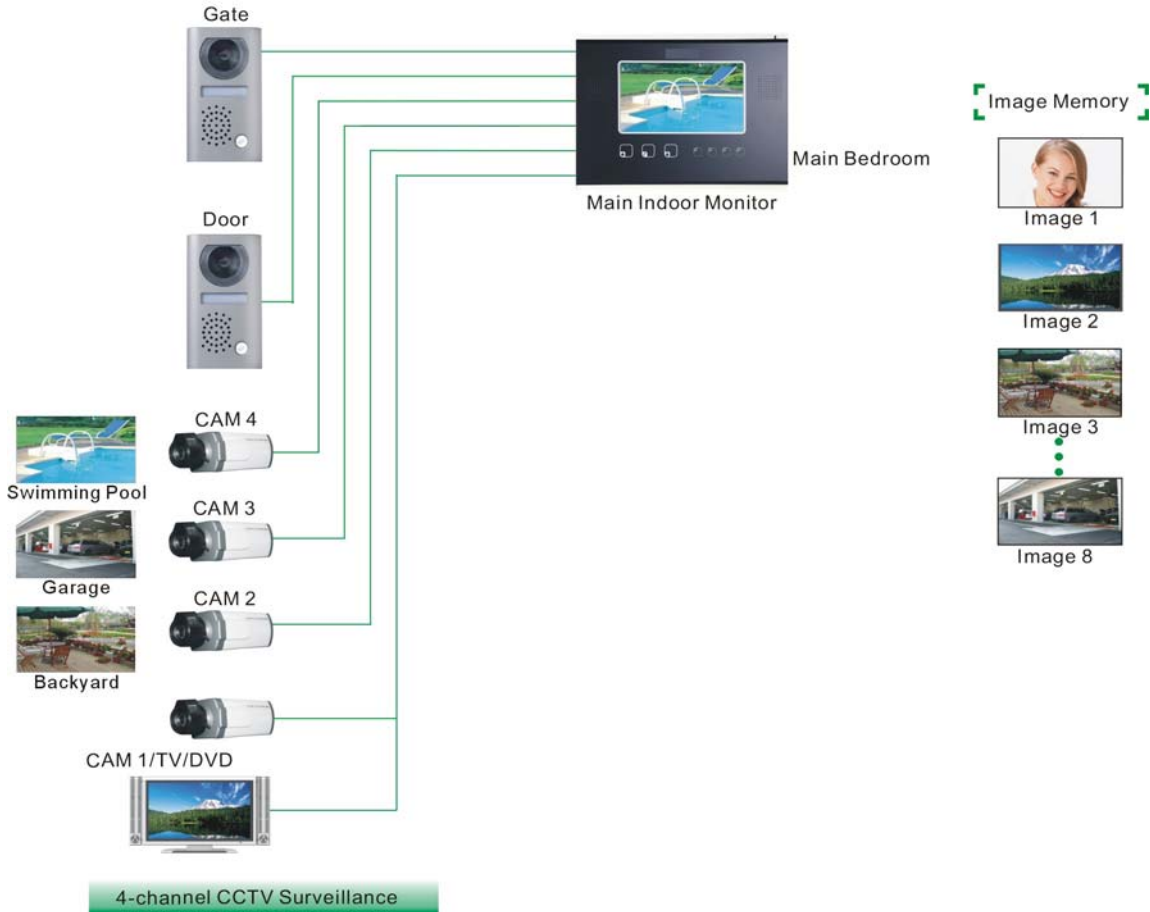
Terminals for Extension Video / GND

Connection block CN7:

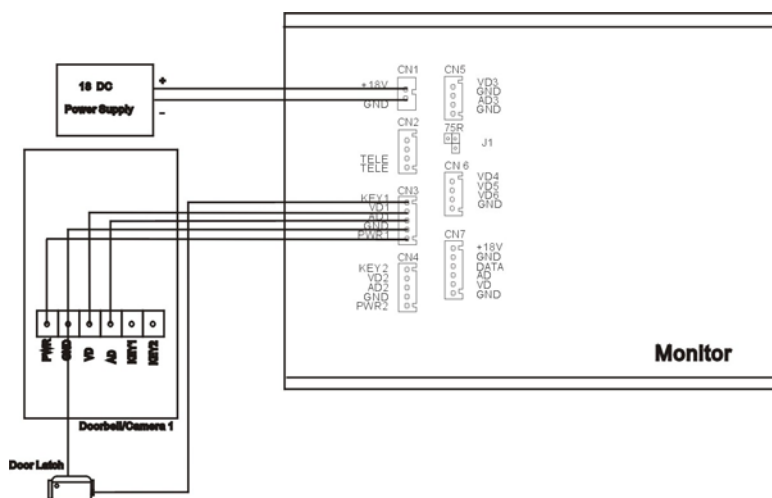
+18V, GND, DATA, AU, VD, GND:

Terminals for Power+/ Power Ground / Data / Audio / Video / Video Ground

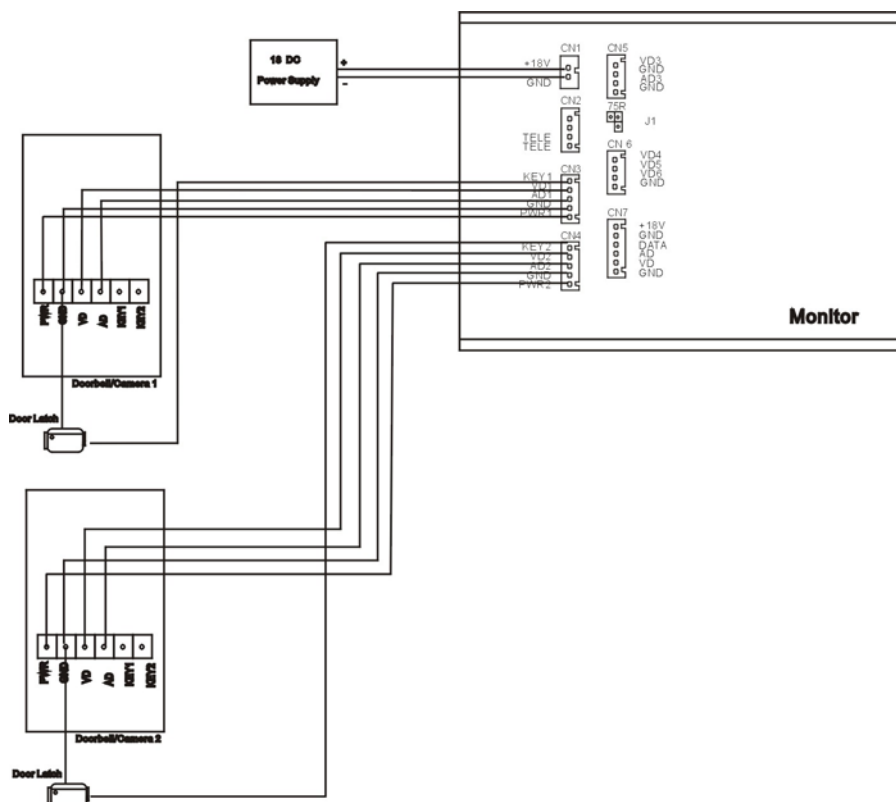
SYSTEM SCHEMATICS



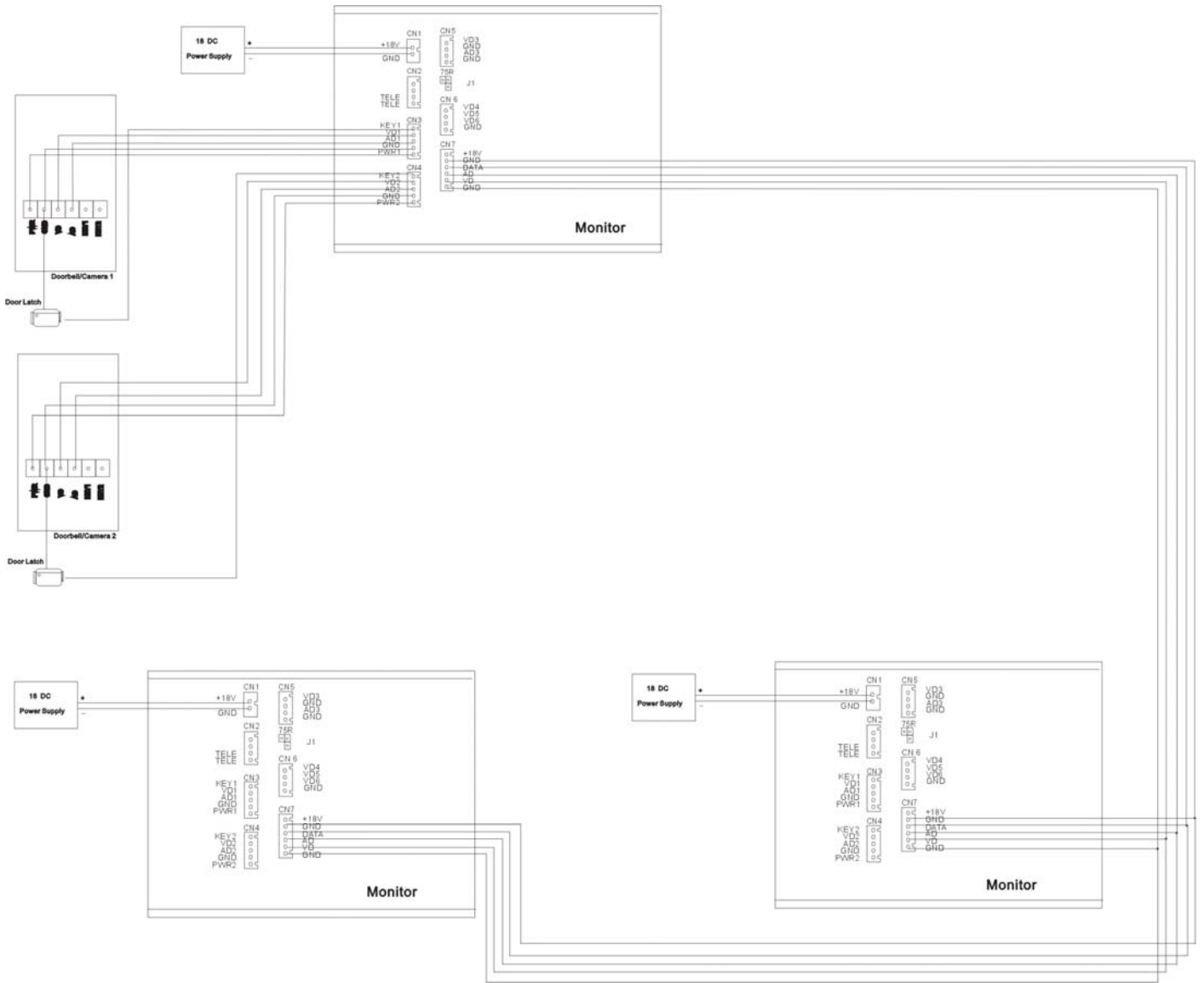
WIRING DIAGRAMS



1 Camera, 1 Latch
1 Monitor



2 Cameras, 2 Latches
1 Monitor



2 Cameras, 2 Latches
Multiple Monitors

INSTALLATION

Single Monitor Installations Instruction:

- Please select relevant wire diagram in page 8 and 9 for your chosen system
- Ensure you have correct cable for chosen system's requirements
- Select correct height of indoor monitor, usually installation height is between 145~160CM (See below Figure 1)
- After determine the monitor bracket position and run cable through the bracket, please fix locating screws in bracket.
- Please refer to the wire diagram parts at page 8 and page 9 in this manual, check and connect the correct cable with the back of the indoor monitor.
- Finally, install the indoor monitor on the wall as below Figure 2.

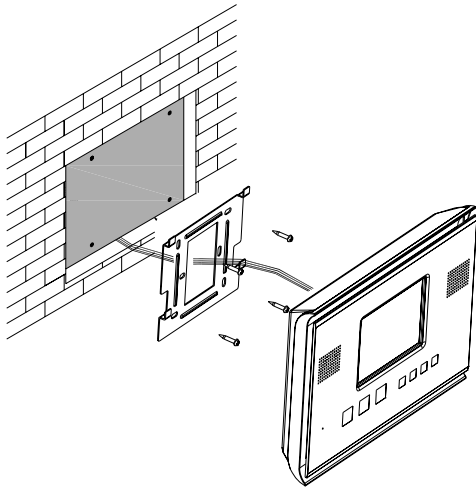


Figure 1

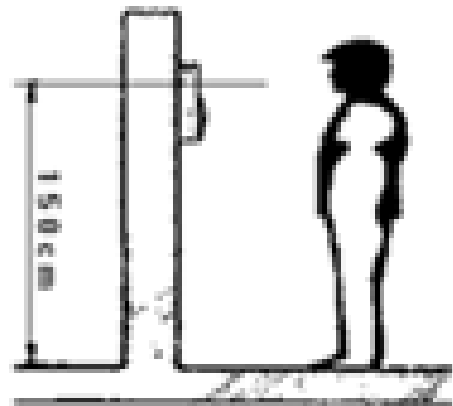
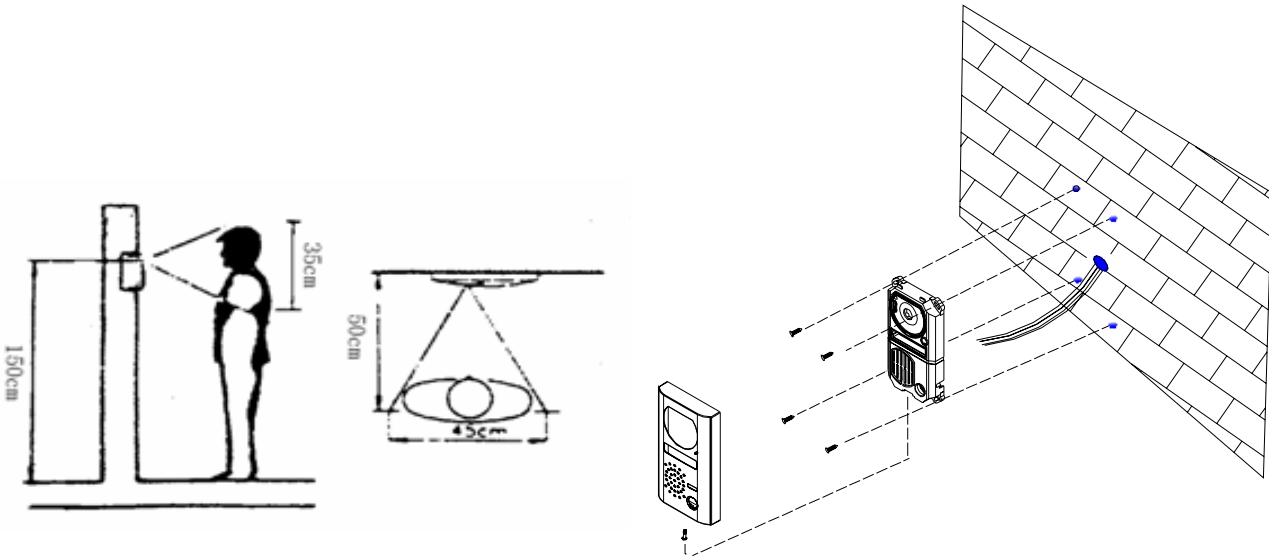


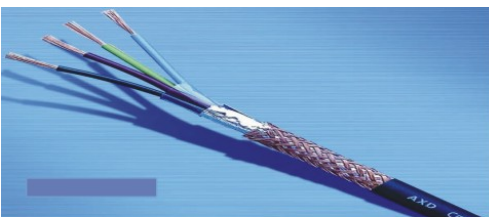
Figure 2

Single Doorbell Camera Installations Instruction:

- Please take some time to select the most suitable position for Doorbell Camera.
- Please consider the factors of day time, night time and likely weather condition impact. Direct sunlight on the camera and direct contact with rain should be avoided.
- Determine Camera Position: we recommend the camera and monitor at the same height (Average Height from 1.45 to 1.6 meters)



NOTE: When the distance between indoor monitors and doorbells is less than 30 meters, it can choose 4 fill-shielded cable. If distance exceed 30 meters, please add one RG59 Coaxial wire with 4 fill-shielded cable for ensuring video stability.



RVVP4*0.5mm² fill-shielded cable



RG59 Coaxial wire for video

Operation

Guide

System Settings

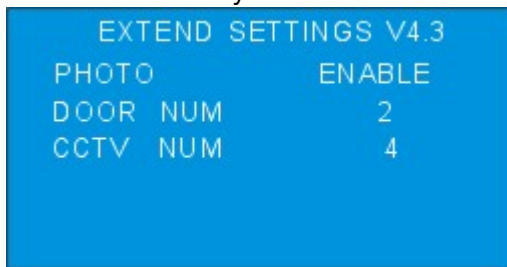
At standby mode, press and hold “Image capture” button for 5 seconds to get into the set-up mode as below.



- 1st line: Day/Mth/Yr & Time for system
- 2nd line: Chime Duration Time
- 3rd line: Chime Volume (High/Low/Mute)
- 4th line: Talk Volume (High/Low)
- 5th line: Character Add: Enable/Disable
“DOOR1/DOOR2” on monitor screen)
- 6th line: Main/Sub Multiple Monitor set up
HOLD button 6 on MAIN or SUB for 3 seconds

At this point, press “Image capture” button will move to the next value until Intercom/Main menu. Use “◀▶” (button 5) to select Main or Sub. When enter main panel  selection. When cursor at “MAIN” status,

press button two seconds and then you will enter the second menu interface:



- 1st line: Setup photo function
- 2nd line: Setup doorbell active numbers
- 3rd line: Setup video extending channels numbers

SYSTEM TIME SET:

The cursor flashes at the first character of Day, press “◀▶” button to change value, press “Image capture” button to move to the next value until both day/mth/yr and 24 hour clock is set.

CHIME TIME SET: Chime Duration

The default chime duration is 30 seconds. If you wish to adjust this time:

When the cursor flashes at the first character of date, keep pressing “Image capture” button to the chime duration setting. Press “◀▶” button to adjust the chime time. The chime duration is from 10 – 90 seconds.

CHAR ADD SET :

At standby mode, press “Image capture” button to get into the main menu setting interface, move the cursor to the 5th line, press “◀▶” BUTTON to choose Enable or Disable, if choose “Enable”, the character “DOOR1” or “DOOR 2” will display on the monitor screen. If choose “Disable”, the monitor screen will not display any characters.

INTERCOM SUB or MAIN Set:


If more than one monitors are installed, one monitor should be setup as “MAIN-1”, the other monitors should be setup as “SUB”.

PHOTO SET :

PHOTO MODULE: 1: activate “Image capture” function 0: close “Image capture” function


Press “◀▶” button to change digit, Press “off” button to save and turn off the screen,

DOOR NUM: Doorbell channel active number function:

“DOOR NUM” setting can support maximum 2 doorbell channels surveillance. if you only install one doorbell, you only need to set “DOOR NUM 1”, if you install two doorbells, you need to set “DOOR NUM 2” to activate both 2 doorbell cameras. E.g.  Press “◀▶” button to modify number.

Press “Image capture” button for 2 seconds to return to the first menu interface. then double click “off” button to turn off the screen to save.

CCTV NUM: CCTV surveillance channel number function:

“CCTV NUM” means 4 cameras surveillance image setting, if you don't need to monitor any camera image, set “CCTV NUM” as “0”. Press “◀▶” button to modify number. The number showed on the screen is the total surveillance number. E.g.  means 4 video channel has been activated.

Press “Image capture” button for 2 seconds to return to the first menu interface. then double click “off” button to turn off the screen to save.

CHIME VOLUME SET : Chime Volume adjustment

At standby mode, press “Answer/Monitor” button for 6 seconds, the blue screen will show the defaulted chime mode.

Then press “◀▶” button to adjust the chime volume to high, low or mute. E.g. like figure below: When the mute function is on, a red LED will light up on the monitor and the screen displays the word “mute”.



```
VOLUME SETTINGS
CHIME VOL    HIGH
TALK  VOL    LOW
EXT-AUDIO VOL HIGH
```

If there is call from doorbell camera or other indoor monitors, the receiving monitor will remain mute. However, the broadcasting function still works when the mute function activated. Press “off” button to turn off the screen, or it will be turned off automatically after 5 seconds without pressing any button.

TALK VOLUME SET: Talk Volume adjustment

In standby mode, press “**Answer /Monitor**” button for 6 seconds, the blue screen will display the current talk volume. Keep pressing this button to adjust the talk volume. E.g. Like figure below:



CHIME VOL: Ringing volume

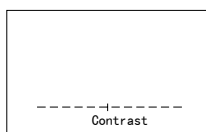
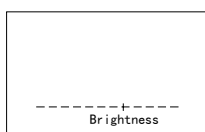
TALK VOL: Call volume

EXT-AUDIO VOL: Extension-Audio Volume

At this mode, with the current setting flashing, press “**Image capture**” button to move adjustment from chime to the talk-setting. The defaulted talk volume is “HIGH”. Press “◀▶” button to adjust. If talk volume “LOW” is selected, a green light will be on. Press “**off**” button to save and turn off the screen, or it will turn off automatically after 5 seconds without pressing any buttons.

Brightness/Contrast/Color:

At standby mode, press “**Answer /Monitor**” button to display an image, press “◀▶” button to adjust the Brightness/Contrast/Color for the image. At monitoring mode, keep pressing “◀▶” button back or forwards to adjust Brightness. Press “**Image capture**” button to move between Brightness Contrast & Color Settings.



Function Guide

Call & Unlock Function

When a visitor call from the doorbell, the visitor’s image will show on the monitor screen. Press “**Answer /Monitor**” button to stop the chime.

- 1) You now have 60 seconds default talking time.
- 2) During the 60 seconds talking period, you can decide to release the door and for this visitor. Press and hold the “Unlock” key. The shortest unlock time is 1sec. The Green/Red Indicator will be on when the door is releasing. (Green Light for the Doorbell/Camera1. Red light for the Doorbell/Camera 2.) Door can only be released at answering mode. The door can not be released at any other mode for security reasons. (e.g. accidental pressing).

Intercom Function

At standby mode, press “**Call transfer**” button to initiate from any monitor, the other monitors could answer. The receiving monitors will chime until any monitor answers by pressing “**Answer /Monitor**” button.

Image Capture Function

- 1) Auto Capture: When visitor calls, if there is no answer from any monitors within set chime time, the system will take image of the visitor and store it for later viewing. Up to 64 images and their captured date / time can be stored. All images will be deleted if 64 images storage is full. New images storage starts again.
- 2) Hand Capture: when you supervise the pictures or talk this visitor at doorbell camera, press **“Image capture” button** to capture the image, press **“◀/▶” button** to viewing all captured images at standby mode.

Call Transfer Function

1) Direct Transfer:

If you wish to transfer the call to other monitors, please follow below steps:

Press **“Call transfer” button** on the monitor, all other monitors in the system will receive your call transferring message, anybody press the **“Answer /Monitor” button**. from any receiving monitors could see and talk with the visitor.

2) Broadcasting transfer

When you answer the call, press **“Call transfer” button** again and hold on, the word “mute” will display on the screen simultaneously. During this time you may get a chance to ask another person if he/she would like to answer the visitor. Press **“Call transfer” button** again to get into the communication mode.

Broadcasting Function

At standby mode, press and hold **“Call transfer” button** for 2 seconds on any monitors to activate the broadcasting function, once the broadcasting function is activated, you can talk to all other indoor monitors.

Monitoring function:

Press and hold “Monitor” (BUTTON 1) on any monitor will view the outside images from the Doorbell/Camera. Green & Red lights will display for Camera 1 or 2 respectively. The default monitoring time is 30sec.

When monitor extension 4 camera channels, press button1 to turn off the screen. At standby mode, keep pressing button1 to monitor door1, door2, audio/video channel1, extension video channel1, extension video channel2, extending video channel3.

Audio/Video Function

At standby mode, press BUTTON 2 on any monitors 3 times to activate the Audio/Video function for listening music or watching TV, or monitoring the baby-rooms.

CARE INSTRUCTIONS

- 1) Please ensure you use the recommended cable for the conditions set out in this guide.
- 2) Do not use cleaning agents or solvents on the Screens of these products. Use a moist damp cloth and gently wipe lens surfaces outwards.
- 3) Image distortion may occur if your equipment is mounted too close to magnetic field e.g. Microwaves, TV, Audio equipment or speakers.
- 4) The Doorbell/Camera should be fitted with an approved weather shield if the position chosen is in direct sunlight, or in contact with rain, snow or irrigation sprinkler systems.