

# OPERATION INSTRUCTION

4-Wire Villa Video Intercom System  
Indoor Monitor

User Manual

The logo for TMEZON, featuring the word "TMEZON" in a bold, sans-serif font. The letter "T" is red, and the letters "MEZON" are black. The logo is tilted upwards to the right.

## Statement

- \* If there is any doubt or disputable regarding information in this manual, you can call our company for clarification.
- \* There maybe some difference between the description provided here and the actual devices, as our products are constantly developing and upgrading. We apologize if this manual does not contain all of the latest updates. Thanks

## LIMITATION OF LIABILITY

- ※ This users' manual is supplied 'as is', with no warranties, be it expressed or implied, including, but not limited to, the implied warranties of merchantability, suitability for any exact purpose, or non-infringement of any third party's rights.
- ※ This publication may include technical inaccuracies or typos. The manufacturer holds the right to introduce any changes to the information contained herein, for any purpose, including but not limited to, improvements of the publications and/or related to the product, at any time, without prior notice.

## DISCLAIMER OF WARRANTY

The supplier shall not be liable to any party or any person, except for replacement or reasonable maintenance of this product, for the cases, included but not limited to the following:

- ※ Any damage or loss, including but not limited to: direct/indirect, consequential, special, exemplary, arising out of or related to the product;
- ※ Inappropriate use or negligence of the user in operation of the product, resulting in personal injury or any damage;
- ※ Unauthorized disassembly, repair or modification of the product by the user;
- ※ Any problems or consequential inconvenience, loss or damage, caused by connecting this product to devices of the third parties;
- ※ Any claim or action for damages, brought by any photogenic subject, be it a person or organization, due to violation of privacy whereby the pictures taken by the device and/or saved data become public or are used for the purposes other than intended.

## SAFETY INSTRUCTIONS

- ※ Read these instructions and keep them in a safe place for future reference.
- ※ Please refer all work related to the installation of this product to qualified service personnel or system technician.
- ※ Do not operate the appliance beyond its specified temperature, humidity or power source ratings.
- ※ Securely install the devices on vertical surfaces (solid walls/doors) not prone to vibration or impact.
- ※ Install the devices away from heat sources such as radiators, heat registers and stoves. Installation of the terminal near consumer electronics devices, e.g. stereo receiver/amplifiers and televisions, is permitted as long as the air surrounding the terminal does not exceed the above mentioned temperature range.
- ※ Handle the appliance with care. Do not strike or shake, as this may damage the device.

- ※ The doorbell/camera units should be fitted with an approved weather shield if the chosen position is in direct sunlight, or in contact with rain, snow or irrigation sprinkler systems.
- ※ Do not use strong or abrasive detergents when cleaning the appliance body. When the dirt is hard to remove, use a mild detergent and wipe gently.
- ※ Do not overload outlets and extension cords as this may result in a risk of fire or electric shock. Distributing, copying, disassembling, reverse compiling, reverse engineering, and also exporting in violation of export laws of the software provided with this product, is expressly prohibited.

## CARING FOR THE ENVIRONMENT BY RECYCLING



When you see this symbol on a product, do not dispose of the product with residential or commercial waste.

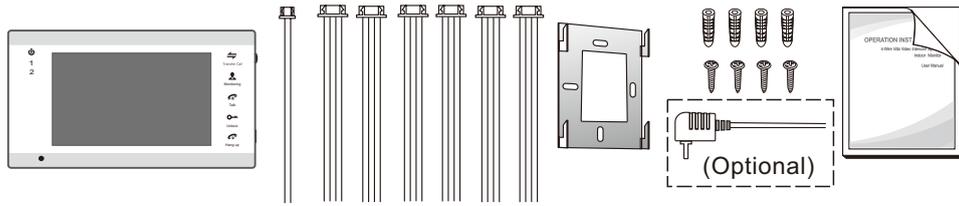
### Recycling your electrical equipment

Please do not dispose of this product with your residential or commercial waste. Some countries or regions, such as the European Union, have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region.

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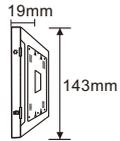
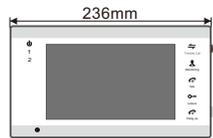
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## Accessories



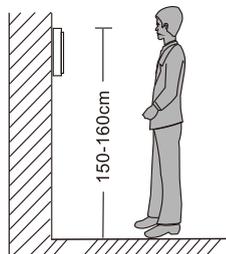
- Indoor monitor ----- 1pcs
- Screw anchors ----- 4pcs
- Wall screws ----- 4pcs
- Bracket ----- 1pcs
- 4 Pin line ----- 6pcs
- 2 Pin line ----- 1pcs
- User manual ----- 1pcs
- External switching power supply DC 12V(optional, please check actual model)-----1pcs

## Specification



Display screen	7" TFT LCD screen
Definition	800 (H) X480 (V)
Standard	PAL/NTSC
Calling mode	Two-way conversation
Calling time	120s
Standby current	Maximum 200MA
Work current	Maximum 500MA
Power supply	Built-in power supply--optional
	External switching power supply(DC12V)--optional
Work temperature	-10°C~+60°C
Installation way	Surface mounting
Built-in storage	Yes
Picture format	JPEG standard format
Extension memory	SD card
	(maximum 32GB) (>Class 10)

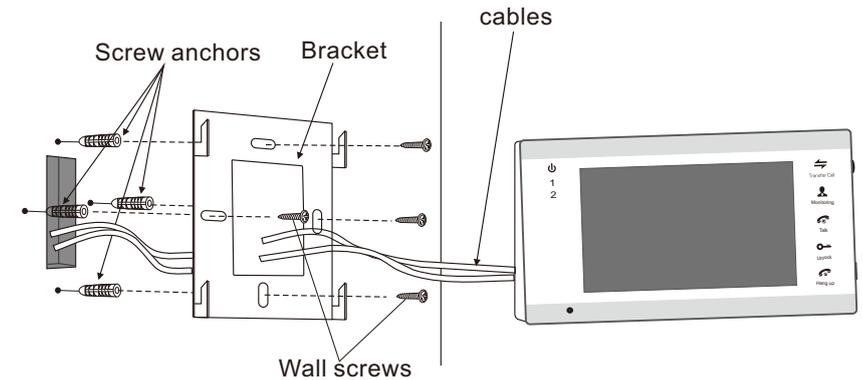
## Install the indoor monitor



**Note:**

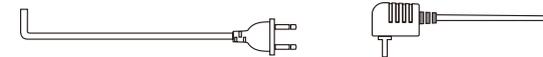
- Please be far from the devices with intense radiation: TV, DVR, etc.
- Do not disassemble privately to avoid the electric shock.
- Do not drop, shake or knock the device, otherwise will damage the elements.
- Choose the best position to install, the horizontal view is 150cm.
- Please power down before installation.
- Keep at a distance of more than 30cm with AC power to avoid interference.
- Away from the water, magnetic field and chemicals.

### How to install the indoor monitor?



## NOTE ON WIRING CONNECTION

- The electric lock/source/camera is not include in the package, you can purchase an electric lock which is suitable for your need.
- In the standard delivery the system supports locks with Normally Open (N.O.) door unlocking method. It means that in the normal state the dry contact is opened so the lock is kept under constant closed state. If the unlocking push-button is pressed and the dry contact is changed to closed, then the lock is released.
- The indoor monitor with a built-in power supply or an external switching power supply is optional, please refer to actual control using. If the device with a built-in power supply, applicable to wide voltage range(AC 100V~240V). Please first pull out the AC power plug before installation of the device(shown as below).



The indoor monitor with built-in power supply can be connected directly to the plug or connected to the power box via the 2-pin cable we provided. In order to keep your home nice, if you do not want to connect the indoor monitor with the plug, you can use our 2-pin cable to connect the monitor (see below), please cut off the power cord, together the power cord and our 2 pin cable, then connect the cable to the electrical box directly, and the indoor monitor can work.

## Note

The indoor monitor with built-in power supply can be connected directly to the plug or connected to the power box via the 2-pin cable we provided.

The doorbell is supplied from Indoor Monitor.

The door lock must add a power supply control, the power supply of the lock is not supplied from the doorbell or the indoor monitor.

## About Extension cables

We don't provide the extension cables in the box.

You can use the RVV4(4 core cable) or cat5/cat6 to extend the distance between the monitor-doorbell, monitor-monitor, or doorbell-doorbell.

If you want to extend the distance over 50m, even 100m, it is better for you choose a thick core cable.

Please see below:



RVV4 (4 core cable)  
extension cables

To extend the distance between the monitor-doorbell, monitor-monitor, or doorbell-doorbell.



4 Pin connector  
(provided in the box)

If the extension cable you have is not built with 4 pin connector or the connector of the cable you have is different from our 4 pin connector, you should cut the cable and connect the cable to our 4 pin connector provided in the box, then connect it to the monitor.



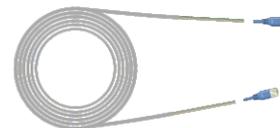
White terminal

If your 4 core cable doesn't built with the white terminal, you can connect with the 4 pin connector we provided in the box and then connect to the monitor.

## Cat5, cat6 network extension cables

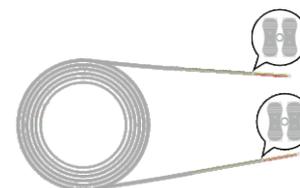
Cat5, cat6 network cable

Cut the RJ45 port.



There are 8 wires(4 pairs) in the cat5/cat6, we let two wires twisted into one cable to use.

Green+green&white, Orange+orange\*white,  
Blue+blue&white, Brown+brown&white



Connect with the 4 pin connector we provided in the box, please make sure the 4 wires connections at both ends are consistent.



Please note the silk printing marked on PCB in order to avoid incorrect connecting.

The wiring connection requirement:

1. 4C ordinary non-STP wiring cable;
2. Effective distance from the outdoor camera to furthest indoor monitor:  
Transmission  $\leq 28\text{m}$  ( $4 \times 0.2\text{mm}^2$ )  
Transmission  $\leq 50\text{m}$  ( $4 \times 0.3\text{mm}^2$ )  
Transmission  $\leq 80\text{m}$  ( $4 \times 0.5\text{mm}^2$ )

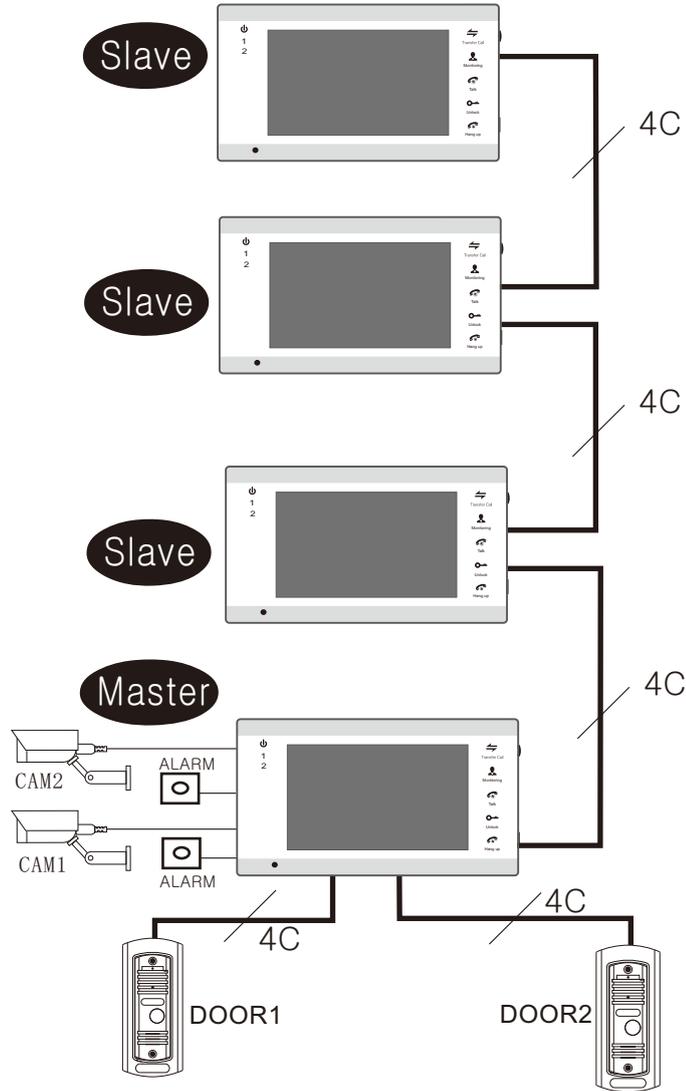


Non-STP wiring cable

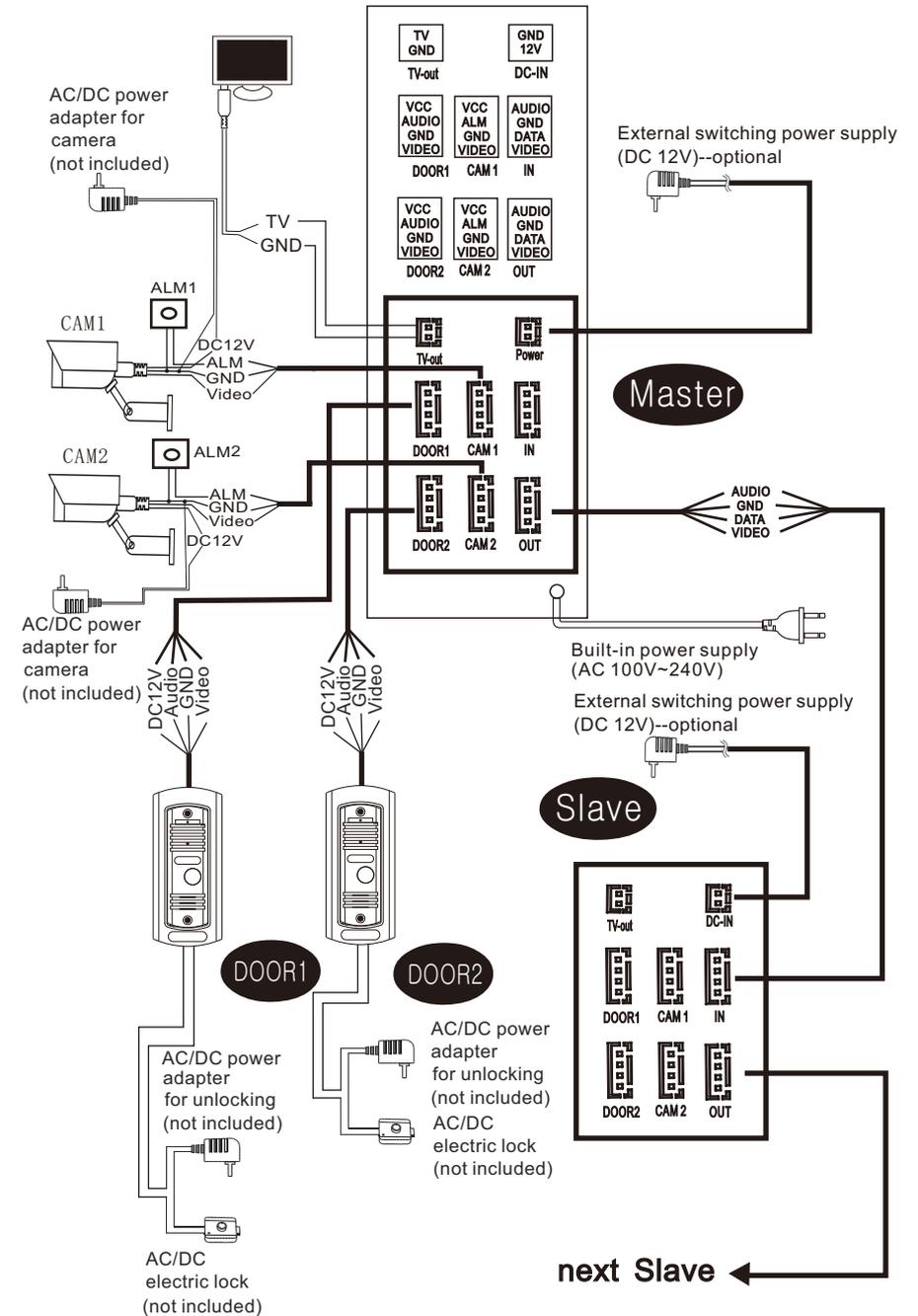
**i** Wiring connection according to the following to avoid interference:



## WIRING DIAGRAM

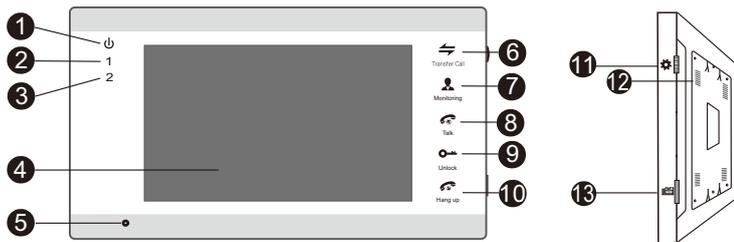


**Note:** DOOR1, DOOR2, CAM1, CAM2, ALARM, and SD cards must be connected to the master monitor instead of the slave monitor.



**Note:** For the indoor monitor with built-in power supply, the cameras must use an external power supply.

## DESCRIPTION ON INDOOR MONITOR



NO.	Name	Descriptions
1		Power LED, the power indicator of the indoor monitor.
2	1	The door 1 state lights, to door 1 working when the LED is on.
3	2	The door 2 state lights, to door 2 working when the LED is on.
4	TFT display	View visitor's image displayed on the TFT screen.
5	Microphone	Transmit the voice to outdoor camera.
6	Transfer call	Intercom call or transfer calls to another indoor monitor.
7	Monitoring	Watch the door and camera images.
8	Talk	Activate conversation mode by pressing this button
9	Unlock	Release the door lock.
10	Hang up	Hang up
11	Setting	<ol style="list-style-type: none"> <li>The button is a composite key, users can press the button, scroll the button upward or downward. For more details, please refer to the section "Menu Operations".</li> <li>In standby mode, press the button "⚙️" once to quickly access the menu.</li> <li>In main menu settings, scroll the button "⚙️" upwards or downwards to select sub-menu, then press "⚙️" again to enter sub-menu. In sub-menu settings, press "⚙️" to select menu options, scroll "⚙️" upwards or downwards to adjust values of each option, then press "⚙️" to confirm. When select option "Return" on the main menu, press "⚙️" to exit menu interface, and the indoor device will be into standby mode.</li> </ol>

NO.	Name	Descriptions
12	Speaker	Sound from outdoor camera.
13	TF card slot	For the models with TF card, insert the TF card for video records, and photographs, supports up to 32GB. Video recoding files will be stored in the TF card, photographs will be stored in the TF card of the indoor monitor firstly. If there is no TF card in the device, snapshots will be stored into the flash of the device. And suggest that it's better to use a TF card more than class 10 onto the device.

## OPERATION INTRODUCTION

### ◆ VISITOR CALL

#### Standby mode

The Visitor press the **call** button on outdoor camera 1

The Visitor press the **call** button on outdoor camera 2

A continuous ring tone is heard inside and outside

**NOTICE:**

The visitor's image automatically displayed on the screen

If both call button on two outdoor camera are pressed at approximate to the same time, the preference will be given to the outdoor camera which call button was pressed first, unless the call button is pressed again after the indoor monitor go into standby mode, please be aware of that there is no indication on second outdoor camera .

Press the **talk** button on indoor monitor

Stop ringing

**NOTICE:**

Start conversation with outdoor camera

The indoor unit will automatically go into standby mode if you are not at home or have not reached the indoor unit in 60s.

The conversation duration is 120s at a time

Press the **unlock** button on indoor monitor

release the door lock

Press the **hang up** button on indoor monitor

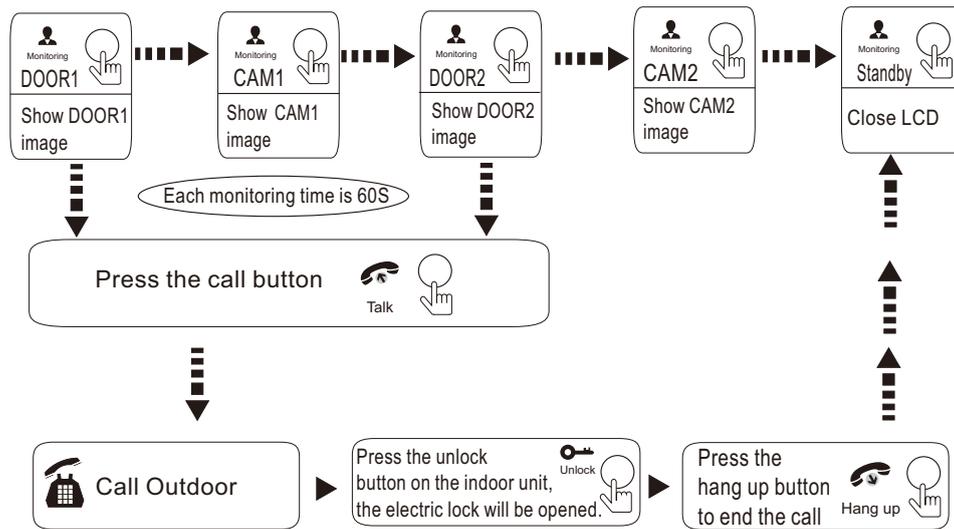
End

- Both the visitor's voice and image will not be switched off within 20s of time span when the **unlock** button is pressed, this individualized function allow you to make sure whether the visitor already come in.
- For the models with SD card, when the doorbell record for the video mode: From the start of a call, the whole process will be recording. When the doorbell record for the snapshot mode: the first picture will be captured into the TF card of the device
- In the monitoring state, the device can listen to the sound of the outdoor bell, user can press the button "📞" to conversation and press the button "🔒" to unlock.

## MONITORING

Option in the settings in the menu: DOOR1, CAM1, DOOR2, CAM2 operating mode (open or closed)

### Standby Mode



### NOTICE:

- If you are using only one outdoor camera in monitoring mode, you can also end the monitoring mode by pressing the monitoring button again (Must be Close CAM1; DOOR2; CAM2 in the menu option).
- If you use two indoor units, you can also simultaneously in other indoor unit starts monitoring mode, the same images are displayed on the screen of the different indoor unit.
- If a conversation with outdoor unit is underway in monitoring mode, during this time a visitor press the call button on either of outdoor unit, the monitoring mode will be switched off, the just visitor's image will appear on its screen and continuous ringing will be heard. If you are using the indoor unit with hands-free, you can press the talking button to reactivate conversation with the visitor.

## CALL TRANSFER TO OTHER EXTENSION

Internal communication function requires at least two indoor and one outdoor units to be connected.

Outdoor camera call indoor monitor and conversation is underway

Press this button to activate the function of call transfer to other extension

A continuous ring tone is heard

Press the talk button on any of indoor units

Talking with visitor

The Electric lock can be opened

End the call and return to standby mode

### NOTICE:

When you are transferring a call to other extension, the original conversation indoor unit will return to standby mode, and the indoor unit which the call is being transferred will also sound a continuous ring tone and the video image will appear on its screen.

## INTERNAL COMMUNICATION AMONG INDOOR UNITS

At least 2 indoor units is required.

### Standby Mode

Press the Transfer Call button

A continuous ring tone is heard

Press the talk button on any of indoor units

Start conversation among indoor units.

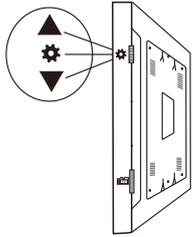
Press Hang up button

End

### NOTICE:

In **internal communication** mode, if a visitor press the call button on either of outdoor unit, the **internal communication** mode will be switched off. The just visitor's image will appear on its screen and continuous ringing will be heard, you can press the **talk** button to reactivate conversation with the visitor.

## MENU OPERATIONS



### NOTICE

The button “⚙️” is a three-in-one key, but also composite keys: In standby mode, press the button “⚙️” once to enter the main menu settings. In main menu settings, scroll the button “⚙️” upwards or downwards to select sub-menu, then press “⚙️” again to enter sub-menu. In sub-menu settings, press “⚙️” to select menu options, scroll “⚙️” upwards or downwards to adjust values of each option, then press “⚙️” to confirm. When select option “Return” on main menu, press the button “⚙️” to exit menu interface, and the indoor device will be into standby mode.

If users don't do any operate or enter any interface about the indoor machine, the indoor device will be into standby mode after 1 minute automatically.

In standby mode, press the button “⚙️” to access the main menu interface, shows the main interface as shown below. On menus, scroll “⚙️” upwards or downwards to move the cursor to the option “Return”, and then press “⚙️” to exit.



### 1. Set System Parameters

Scroll the button “⚙️” upwards or downwards to move the cursor to the option “System”, then press “⚙️” to enter the “System” menu. System setup includes: “Language”, “Time” and “Information”.

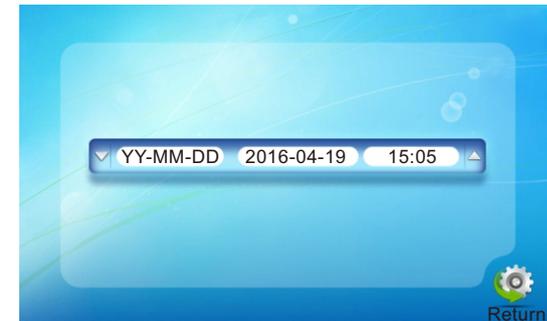


#### 1.1 System – Language

On system menu, move the cursor to “Language” and press “⚙️” to enter the “Language” menu. Use this field to change the language of the machine menu text and the on-screen display. Press “⚙️” to select menu options, and then scroll “⚙️” upwards or downwards to adjust values, then press “⚙️” again to confirm.



#### 1.2 System – Time



On system menu, move the cursor to “Time” and press “⚙️” to enter the “Time” menu. Use this field to switch the date format, include “YY-MM-DD”, “DD-MM-YY” and “MM-DD-YY”, to adjust system date and time. First scroll “⚙️” upwards or downwards to move the cursor, and press “⚙️” to select menu options, and then scroll “⚙️” upwards or downwards to adjust values, then press “⚙️” again to confirm.

#### 1.3 System – Information

On system menu, move the cursor to “Information” and press “⚙️” to enter the “Information” menu. The information includes software version and release date.



**[Format SD]:** This option is for the models with SD card. Format SD card, please format SD card firstly before using.

**Note:** The product only supports those SD cards more than Class10.

**[Format flash]:** This option is to format built-in storage of the indoor monitor.

**[Backup pictures]:** For the models with SD card, to backup the photos on the built-in storage device to SD card manually, and the photos stored on the device will be deleted. The photos backup onto the SD card need to be viewed on PC.

**[Update]:** For the models with SD card, users can upgrade the firmware of the device via SD card.

**Note:** During the system upgrading, don't remove the SD card or turn the indoor device disable. After completing the upgrade, the device will restart.

**[Reboot]:** Move the cursor to " ", and press " ". It will pop-up a window, choose "Yes" to restart the indoor monitor, choose "NO" to cancel.

**[Return]:** Exit the current menu.

## 2. Set the tone parameters

On main menu, move the cursor to the option "Ring", then press " " to enter the "Ring" menu. Ring setup includes: "Ring select" and "Ring volume".



### 2.1 Ring – Ring select

On ring menu, move the cursor to "Ring select" and press " " to enter the "Ring select" menu to set up the doorbell tone of the outdoor camera.



**[Door1]:** To set up the doorbell tone of the outdoor camera 1, a total of 12.

**[Door2]:** To set up the doorbell tone of the outdoor camera 2, a total of 12.

**[Return]:** Exit the current menu.

### 2.2 Ring – Ring volume

On ring menu, move the cursor to "Ring volume" and press " " to enter the "Ring volume" menu to set up the ring volume. Users can set up different ring volume during three different time period, the vibrate and ring time can be adjusted from 10s to 45s when calling.

**[Ring Vol1]:** the volume level of Ring Vol1: 00–10.

**[Ring Vol2]:** the volume level of Ring Vol2: 00–10.

**[Ring Vol3]:** the volume level of Ring Vol3: 00–10.



## 3. Set the mode of the indoor monitor

On main menu, move the cursor to the option "Mode", then press " " to enter the "Mode" menu.



**[Mode]:** Options include "Master" and "Slave". "Master" indicates that the indoor unit connects the outdoors or cameras, "Slave" indicates that the indoor unit connects the main or sub indoor unit.

**[Door2 status]:** Enable or disable the preview of Door2.

**[Record mode]:** For the models with SD card, options include "Record" and "Snapshot". "Record" indicates that the device with SD card will start record automatically when a visitor press the call button on the outdoor camera. "Snapshot" indicates that the device will capture a frame of the video stream as a still photo if a visitor press the call button on the outdoor camera.

**[Door1 Unlock Time]:** From 02 seconds to 10 seconds.

**[Door2 unlock time]:** From 02 seconds to 10 second.

[Return]: Exit the current menu.

#### 4. Set the alarm parameters

On main menu, move the cursor to the option “Alarm”, then press “⚙️” to enter the “Alarm” menu. Alarm setup includes: “CAM alarm” and “Motion detect”.



##### 4.1 Alarm – CAM alarm

On main menu, move the cursor to the option “Alarm”, then press “⚙️” to enter the “Alarm” menu.



**[CAM 1 Sensor type or CAM 2 Sensor type]:** Each camera channel corresponds to an I/O status (see the following status explanations), which means that when an alarm is triggered, it will activate the corresponding channel to start alarm recording or capture a snapshot.

##### I/O status types:

**NO:** “Normally open”, it means that in its normal state, the sensor is kept under constant low voltage. If the output voltage changes from low to high, then the alarm will be triggered.

**NC:** “Normally closed”, the normal state of the sensor is under constant high voltage. If the output voltage changes from high to low, then the alarm will be triggered.

**Disable:** Set the sensor type to “Close”, if external sensor alarms are not in use.

**[CAM1]:** Enable or disable the preview of camera 1.

**[CAM2]:** Enable or disable the preview of camera 2.

**[CAM 1 ring time]:** The alarm ring time of camera 1 if camera 1 has been triggered by activity detected by the sensor, values can be set from 0~30 seconds.

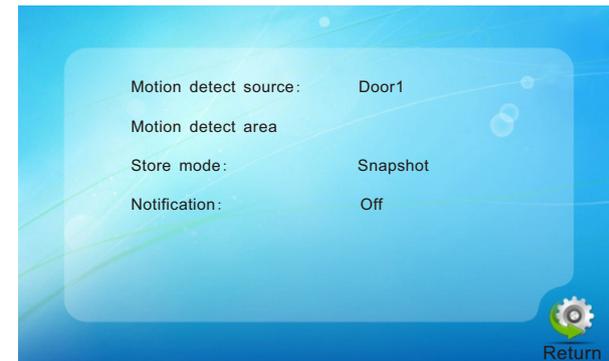
**[CAM 2 ring time]:** The alarm ring time of camera 2 if camera 2 has been triggered by activity detected by the sensor, values can be set from 0~30 seconds.

**[Alarm record]:** Options include “Record” and “Snapshot”. “Record” indicates that when an alarm is triggered, it will activate the corresponding channel to start alarm recording. “Snapshot” indicates that when an alarm is triggered, it will activate the corresponding channel to capture a picture of the current video stream as a still photo.

[Return]: Exit the current menu.

##### 4.2 Alarm – Motion detect

On alarm menu, move the cursor to “Motion detect” and press “⚙️” to enter the “motion detect” menu to set up the parameters.



**[Motion detect source]:** In this field, select the channel to be set up. Options include Door1, Door2, CAM1, CAM2 and Off.

**[Motion detect area]:** Sometimes, it is necessary to have some regions in the camera's coverage area enabled with the motion detection feature, while other regions in the same coverage area do not require this functionality. This may be handy when, for example, the camera covers the road and an adjoining area. While it would be useful to have the motion detection enabled on the area near the entrance to a building, it would most likely not be helpful to see it triggered every time a car or truck passes by on the nearby road. Each channel has a specific regional motion detecting setting.

To enter the “Motion detect area” menu, scroll the button “⚙️” upwards or downwards to move the cursor to “↑”、“←”、“↓”、“→” and then press “⚙️” to adjust detect area.

When viewing the selected channel's coverage area using the MD Area option, the shaded area is where motion detection is activated, and transparent block is the area where motion detection is not activated.

When the setup is finished, move the cursor to “↩️”, then press the button “⚙️” to return to the “motion detect” menu.

**[Store mode]:** Options include “Record” and “Snapshot”. “Record” indicates that when a motion detect alarm is triggered, it will activate the corresponding channel to start recording. “Snapshot” indicates that when a motion detect alarm is triggered, it will activate the corresponding channel to capture a picture of the current video stream as a still photo.

**[Notification]:** Options include “On” and “Off”. When select “On”, all the buttons on the front panel will be flashing is a motion detect alarm is triggered.

**[Return]:** Exit the current menu.

## 5. Set the color parameters

On main menu, move the cursor to the option “Color”, then press “⚙” to enter the “color” menu.



On the color menu the video color of Door1/Door2/CAM1/CAM2 attributes can be adjusted for the best image quality. Scroll the button “⚙” upwards or downwards to move the cursor to the option “Door1” or “Door2” or “CAM1” or “CAM2”, then press “⚙” to enter the corresponding menu to adjust values of brightness, contrast and chrome depending on the actual conditions.



 25 Brightness, values can be set up from 0 to 50, default as 25.

 25 Contrast, values can be set up from 0 to 50, default as 25.

 35 Chroma, values can be set up from 0 to 50, default as 35.

**[Return]:** Exit the current menu.

## 6. Playback

On main menu, move the cursor to the option “Files”, then press “⚙” to enter the “Files” menu. For the models with SD card, options include “Record files” and “Snapshot files”.



### 6.1 Files – Record files

On “Files” menu scroll the button “⚙” upwards or downwards to move the cursor to the option “Record Files”, press the button “⚙” to enter the “record files list”. Scroll the button to move the cursor to select file to playback, a red list indicates that the list has been selected, press the button “⚙”, some tips “Play”, “Delete current file” and “Delete all file” will appear on the right side of the screen. Select “Play” to play back the current file, select “Delete current file” to delete the selected file whether or not, and select “Delete all file” to delete all the files stored on the SD card whether or not. During playback scroll the button “⚙”, it will switch the current video to the last file or the next file, and press the button “⚙” again to exit. Move the cursor to the option “Return” and press “⚙” to exit the current menu.



## 6.2 Files – Snapshot files

On “Files” menu scroll the button “⚙” upwards or downwards to move the cursor to the option “Snapshot Files”, press the button “⚙” to enter the “snapshot files list”. Scroll the button to move the cursor to select file to playback, a red list indicates that the list has been selected, press the button “⚙”, some tips “Play”, “Delete current file” and “Delete all file” will appear on the right side of the screen. Select “Play” to play back the current file, select “Delete current file” to delete the selected file whether or not, and select “Delete all file” to delete all the files stored on the SD card or the flash whether or not. During playback scroll the button “⚙”, it will switch the current file to the last file or the next file, and press the button “⚙” again to exit. Move the cursor to the option “Return” and press “⚙” to exit the current menu.



### Note:

1. If the indoor monitor has been detected a TF card, the snapshot files will be stored in the TF card first. If there is no TF card in the device, the snapshot files will be stored in the flash of the indoor device.
2. When you delete the snapshot files, if the device has been detected a TF card the snapshot files stored in the TF card will be deleted first. If there is no TF card in the device, the snapshot files stored in the flash of the device will be deleted.

## Alarm Instructions

CAM1 and CAM2 of this production have each an alarm function. When the trigger terminal and GND is shorted, the alarm is activate, the speaker of the indoor unit rings and continues 120s, during this time, click “ Hang up” to stop alarming and enter the standby mode.

For the models with SD card, simultaneously, triggers recording or snapshotting (related to the system settings). The recording time is 120s, during this time, click “ Hang up” to stop alarming and enter the standby mode.

### Connection diagram:

Be applicable to connect 2 normally closed (NC) or normally open (NO) alarm inputs.

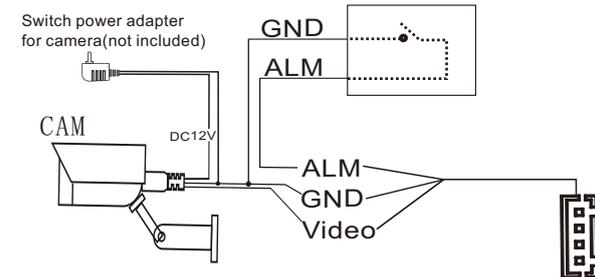
2 camera channels of alarm input without limitations on input type (can either be the normally open type or the normally closed type).

ALM terminal of the alarm detector is connected in parallel with the ALM terminal (The alarm detector shall be supplied by external power supply). Ground terminal of the alarm detector is connected in parallel with the GND terminal of the camera.

For NO alarm inputs, when the GND and ALM are in the connection state, it will trigger the alarm.

For NC alarm inputs, when the GND and ALM are in the disconnect state, it will trigger the alarm.

It applies to any alarm sensor.



The indoor monitor only supports the analog surveillance camera 960H, of which the resolution is 700 lines, 800 lines, 1000 lines.

If you have any questions, please feel free to contact us, we will try our best to help you.

Email: [support@tmezon.com](mailto:support@tmezon.com)

# OPERATION INSTRUCTION

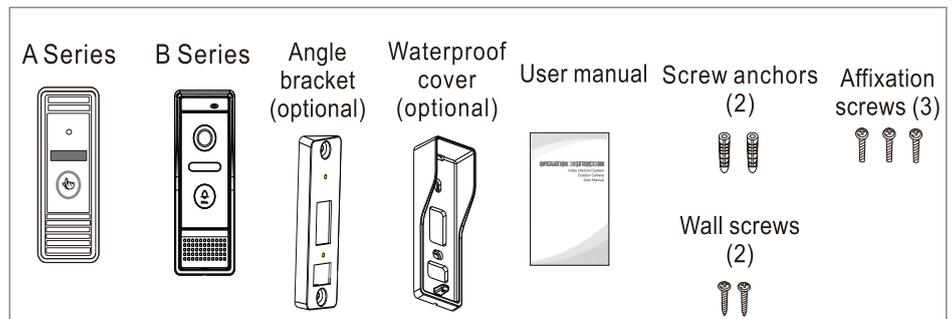
## Video intercom system

Outdoor Camera  
User Manual

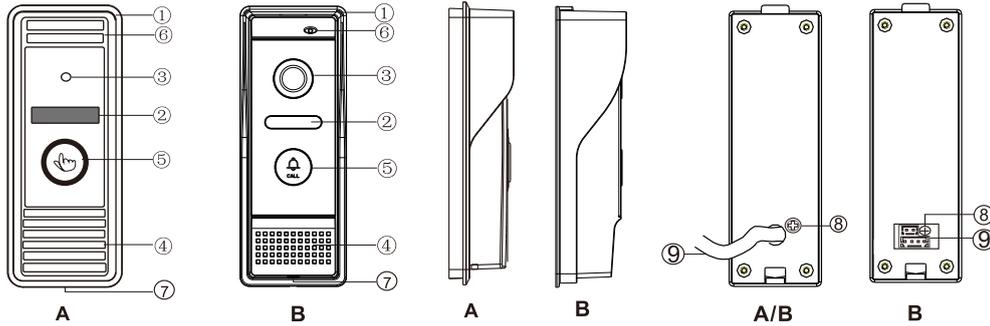
### 1 Safety Instructions

- ※ Read these instructions and keep them in a safe place for future reference.
- ※ Please refer all work related to the installation of this product to qualified service personnel or system technician.
- ※ Do not operate the appliance beyond its specified temperature, humidity or power source ratings.
- ※ Securely install the devices on vertical surfaces(solid walls/doors)not prone to vibration or impact.
- ※ Install the devices away from heat sources such as radiators, heat registers and stoves.
- ※ Installation of the terminal near consumer electronics devices, e.g. stereo receiver/ amplifiers and televisions, is permitted as long as the air surrounding the terminal does not exceed the above mentioned temperature range.
- ※ Handle the appliance with care. Do not strike or shake, as this may damage the device.
- ※ The doorbell/camera units should be fitted with an approved weather shield if the chosen position is in direct sunlight, or in contact with rain, snow or irrigation sprinkler systems.
- ※ Do not use strong or abrasive detergents when cleaning the appliance body. When the dirt is hard to remove, use a mild detergent and wipe gently.
- ※ Do not overload outlets and extension cords as this may result in a risk of fire or electric shock. Distributing, copying, disassembling, reverse compiling, reverse engineering, and also exporting in violation of export laws of the software provided with this product, is expressly prohibited.

### 2 Package Contents(Please check actual model)

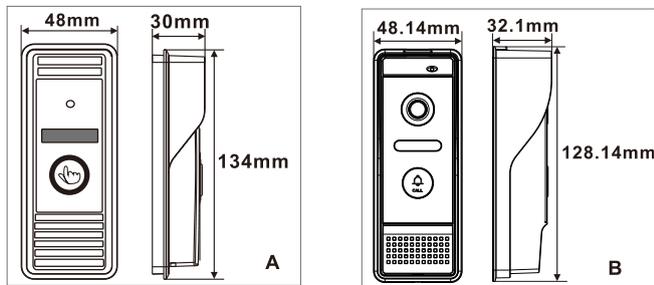


### 3 Overview



No.	Descriptions
1. Weather shield	Affix and protect outdoor camera from rain/snow
2. IR LEDs	Provides illumination with IR LEDs for better visibility.
3. Camera	Capture image to transmit to display
4. Speaker	Sound from indoor monitor
5. Call button	Call indoor monitor for intercommunication
6. Microphone	Transmit voice to indoor monitor
7. Screw slot	Slots for installation screws
8. Volume regulator	Increase/decrease the speaker volume
9. System port	Connect the indoor unit and the door lock

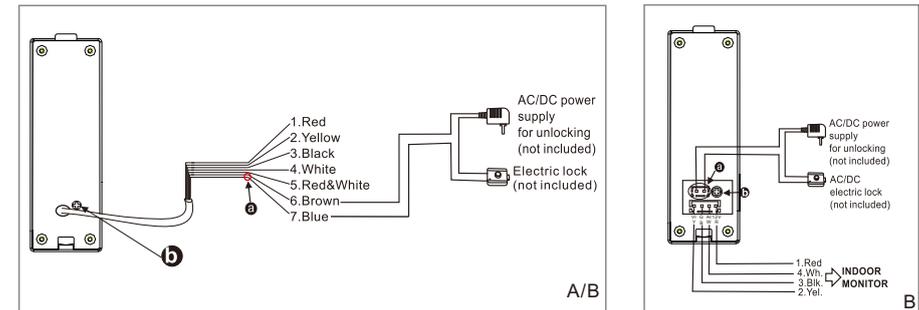
### 4 Specifications



Camera	1/4 inch CMOS camera
View angle	100°
Definition(Hor.)	1200 TV Line
LEDs for night	IR LEDs(60°)
Power consumption	200mA max.
Power supplier	Supplied from indoor unit
Operation temp.	-20°C~+60°C
Installation	Surface mount/Angle mount

### 5 Wiring Diagram

The power supply of the outdoor doorbell is supplied with an indoor monitor. User can connect electric lock to the doorbell, the electric lock can be connected with Blue and Brown wires.



The terminal is defined functionality as below:

- 1.Red: DC 12V
- 2.Yellow: Video
- 3.Black: GND
- 4.White: Audio
- 5.Red&White: DC 12V, Power for camera.
- 6.Brown/Blue: To door lock.

#### Ⓐ Dry contact

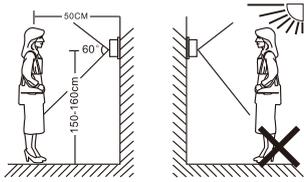
In the standard delivery the system supports locks with Normally Open(N.O.) door unlocking method. It means that in the normal state the dry contact(marked as Ⓐ) is opened, so the lock is kept under constant closed state. If the unlocking button is pressed and the dry contact is changed to closed, then the lock is released.

#### The speaker volume is too low ,how to increase it?

At the backside of outdoor unit, you can find out a regulator (Ⓑ) (Marked as Ⓑ) which is used to adjust the speaker volume, turn the regulator with the screwdriver to decrease/increase the speaker volume.

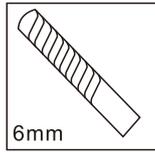
## 6 Installation Process Of Outdoor Units

### NOTE:

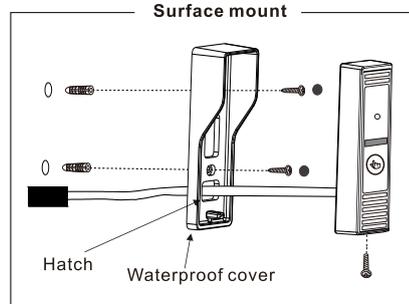
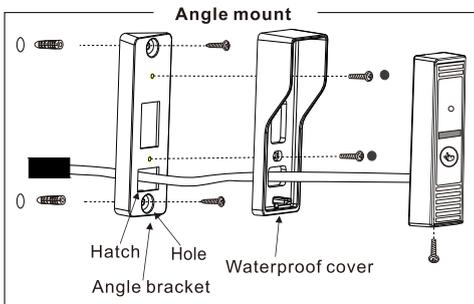


- Avoid installation of the device near strong radiation e.g. AC motor and lift.
- Maintenance should be complied with qualified technician.
- Avoid hard shake, beating and collision. otherwise the internal exact components maybe be damaged.
- Do not expose the outdoor camera under strong light or sunshine.
- Do not install the outdoor camera in the environment e.g. direct sunlight, contact rain, high temperature, high humidity, full of dust and chemistry corrosive.
- Select the most suitable position where the camera is located at user's eye level.
- Switch off power supply before installation.
- Keep more than 30cm away from AC power supply to avoid external interference.
- Keep it away from the water and magnetic field.

You will need



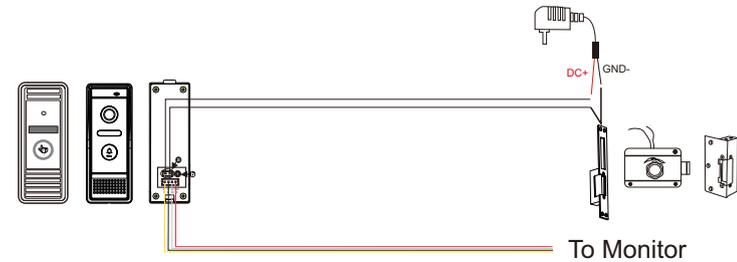
You have two options to install outdoor camera: Angle mount and Surface mount



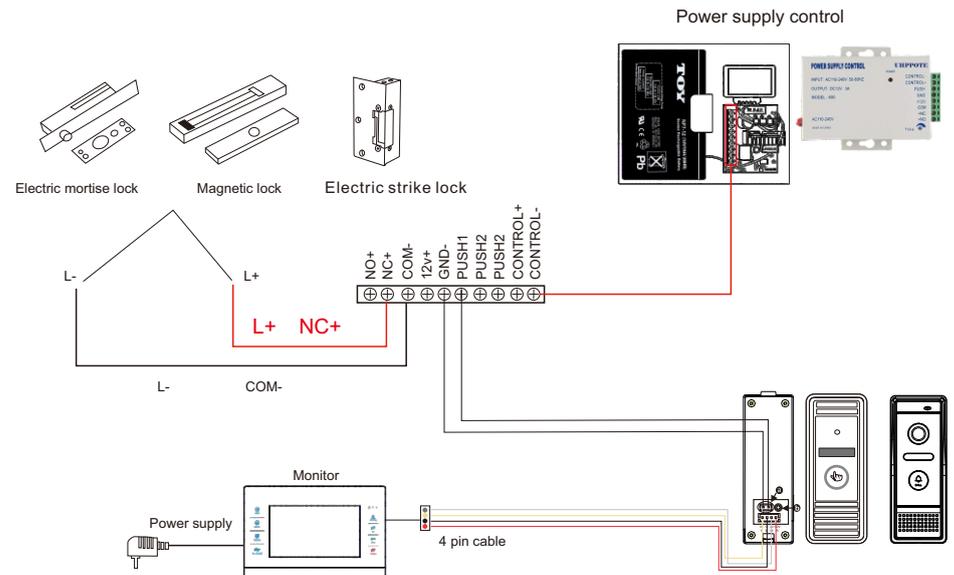
## 1 NO Lock connection

As for 2 pin cable, one cable connect to the Power DC+, another cable connect to one cable of the lock.  
The Power GND - connect to another cable of the lock.

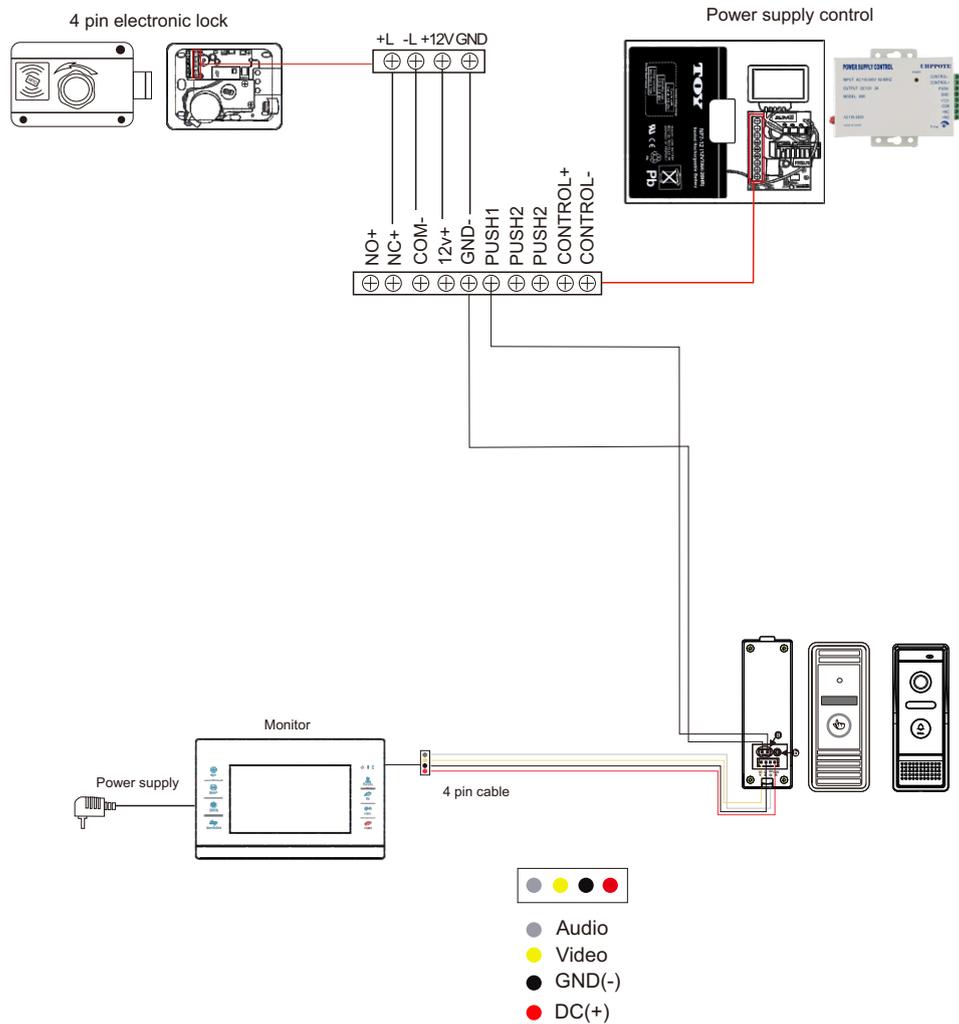
The Lock: DC 12V, it is supplied from an extra power supply or your power unit.



## 2 NC Lock connection (Need add power supply control)



Confirm the type of the door lock before connection, NO lock or NC lock?  
The case of NO lock and NC lock may be the same, it cannot judge whether it is NO lock or NC lock according to the case.  
Power supply control is required for NC lock.



No matter how you connect the lock, the door lock has to be independently powered.

#### Contact us

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