OPERATION INSTRUCTION

IP 7 Inch Indoor monitor

User Manual

Contact us

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Statement

* **If there is any doubt or disputable regarding information in this manual, you can call our company for clarification.**
* **There maybe some differences between the descriptions 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.

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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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Precautions before installation

※ Here is video playlist about how to install the intercom system:

https://www.youtube.com/playlist?list=PLjKoAUiOZtGP7E1HZeRpV5iKkk5IrIDKs

※ As for the installation of the products, it needs some DIY experiences, maybe you will get trouble during installation. Don’t worry, any questions, please feel free to contact us directly, we are alwaysready to help, rather than return the products. We provide all-day mail service. Please send email to: **support @tmezon.com**

Table of Contents

LIMITATION OF LIABILITY....1
DISCLAIMER OF WARRANTY....1
SAFETY INSTRUCTIONS....1
CARING FOR THE ENVIRONMENT BY RECYCLING....2
COPYRIGHT STATEMENT....2
Table of Contents 3
1. Description Of The Indoor Monitor....5
1.1 Fittings 5
1.2 Specifications 5
1.3 Note On Wiring Connection 6
1.4 Installation Process 6
1.5 Wiring Diagram 9
1.6 Alarm Instructions 11
1.7 Description On Indoor Monitor 11
1.8 Operation Introduction On Indoor Monitor 13
2.Menu Operations on Indoor Monitor....16
2.1 Set System Parameters....17
2.1.1 System-Language....17
2.1.2 System-Time....17
2.1.3 System-Information....18
2.1.4 System-Network....18
2.1.5 System-Password....19
2.2 Set the Tone Parameters....19
2.2.1 Ring-Ring Select....19
2.2.2 Ring-Ring Volume 20
2.3 Set the Mode of the indoor monitor....21
2.4 Alarm....21
2.5 Set the Color parameters....22
2.6 How to connect Network....23
2.6.1 Device Connect--Through wired network....23
2.6.2 Device Connect--Through wireless network....24
3. Web Browser Operation 31
3.1 Running Environment....31
3.2 Quick Setting....31
3.3 System Login 33
4. Port Forwarding..... 35
5. Function Settings 36
5.1 Home....36
5.2 Media 37
5.2.1 Media--Video....37
5.2.2 Media--OSD 38
5.3 Parameters 38
5.3.1 Network--Basic Settings 38
5.3.2 Network--DDNS 39
5.3.3 Network--E-mail....39
5.3.4 Network--Wifi....40
5.3.5 Event--Motion Detect....41
5.3.6 Event--Record 43
5.4 System.... 43
5.4.1 System-User....43
5.4.2 System-Time Setting 44
5.4.3 System-Initialize 45
5.4.4 System-Device Info 45
5.4.5 System-Storage Device....46
5.4.6 System-System Log....47
5.5 Logout....47
Appendix 1. Accessing the indoor monitor via Mozilla Firefox 48
Appendix 2. Accessing the indoor monitor via Google Chrome 48
Appendix 3 How to ensure reliable remote viewing of the indoor monitor through IE browser on Win 7/Win 8 64bit OS....50
Doorbell instruction....51

1. Description Of The Indoor Monitor

1.1 Fittings

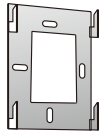
For indoor monitor

Indoor monitor (1pcs)

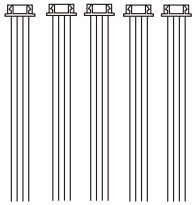
Screw anchors (4pcs)

Wall screws (4pcs)

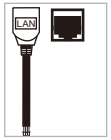
Bracket (1pcs)



4 Pin line (5pcs)

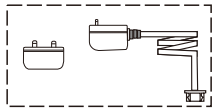


A Network Conversion Line with 4 pin interface (1pcs)

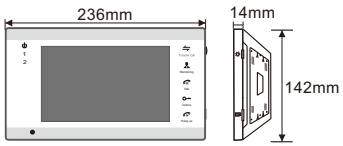


User Manual (1pcs)

External Switching Power Adapter--DC 12V(1pcs)--Optional



1.2 Specifications



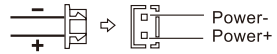
Display screen	7"TFT LCD screen
Definition	1024(H)X600(V)
Standard	PAL/NTSC
Calling mode	Two-way conversation
Calling time	120S
Standby current	Maximum 400MA
Work current	Maximum 800MA
Power supply	DC 12V
Work temperature	-10°C~+60°C
Installation way	Surface mounting
Extension memory	TF card (maximum 64GB)(≥Class 10)

1.3 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.

Please check that the socket of power supply(silk printing J8) is correct if you connect the external switching power supply, otherwise it will damage the device.



Please note the silk printing marked on PCB in order to avoid incorrect connecting.
The wiring connection requirement(**The actual effect and the quality of wire rod has the very big relations**):

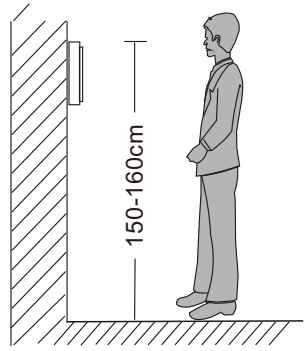
1. 4C ordinary non-STP wiring cable;
2. Effective distance from the outdoor camera to furthest indoor monitor:
   Transmission ≤30m (4x0.4mm^2)
   Transmission ≤60m (4x0.65mm^2)

If you want to extend the distance over 60m, you'd better to choose a thick copper core cable.

Non-STP wiring cable

Wiring connection according to the following to avoid interference:

1.4 Installation Process



Note

※The indoor monitor with built-in power supply can be connected directly to the plug or connected to the power box.

※The doorbell is supplied from Indoor Monitor.

※The door lock need its additional power supply, 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.

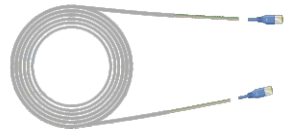
White terminal

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.

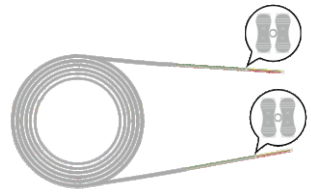
Cat5,cat6 network extension cables

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

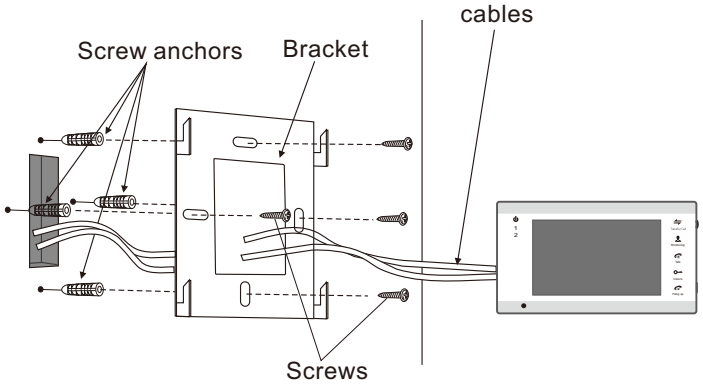


Connect with the 4 pin connector we provided in the box,please make sure the 4 wires connections at both ends are consistent.

NOTE:

* **Avoid installation of the device near strong radiation e.g. TV set and PC etc.**
* **Maintenance should be complied with a qualified technician.**
* **Avoid hard shake , beating and collision, otherwise the internal exact components maybe be damaged .**
* **Select the most suitable position where the monitor is located at user's eye level.**
* **Switch off power supply before installing.**
* **Keep more than 30cm away from AC power supply to avoid external interference.**
* **Keep it away from the water and magnetic field.**

To install the indoor unit, please follow these steps as below:

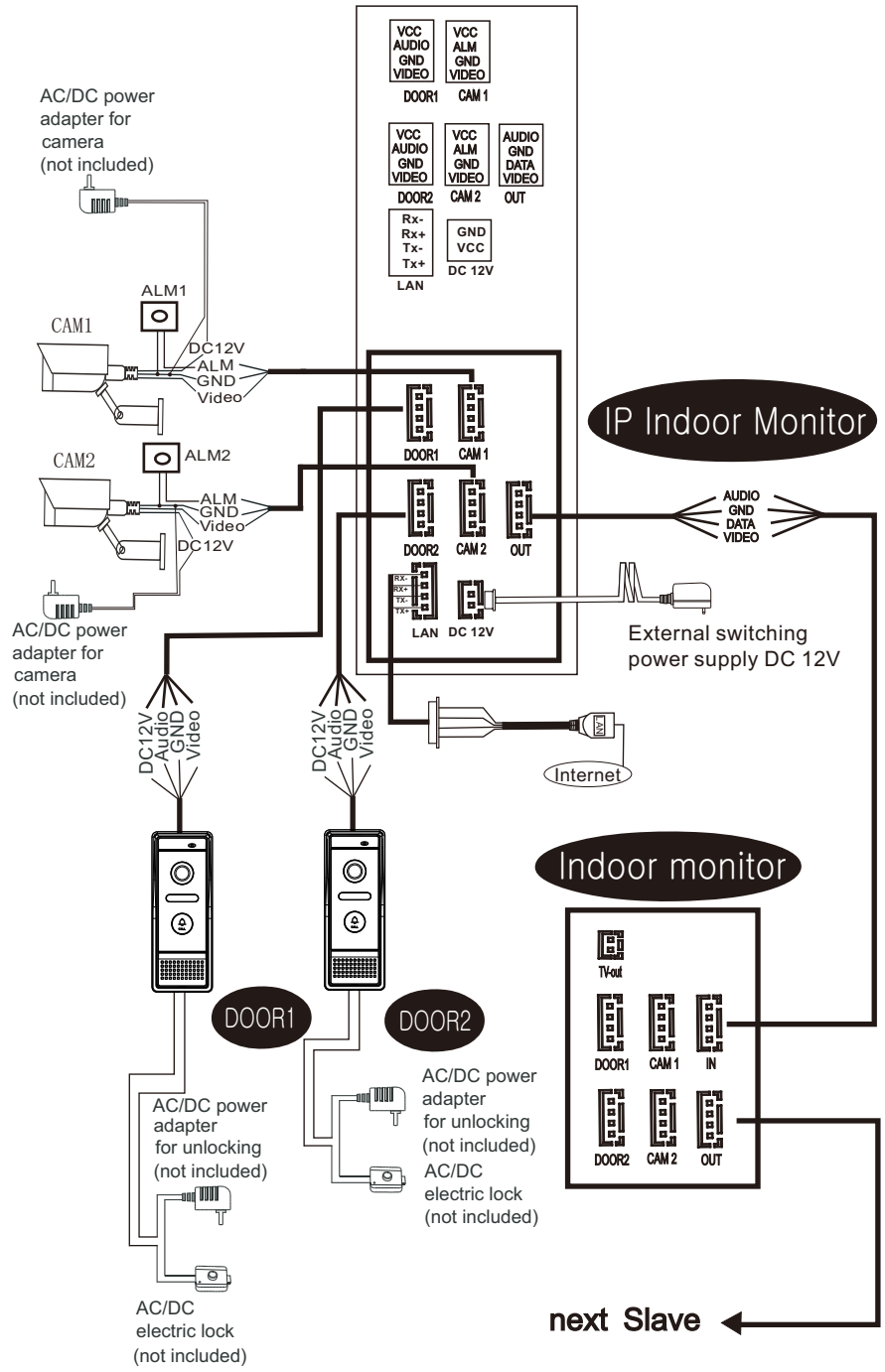


1.5 Wiring Diagram

For 7" indoor monitor, user can connect up to 2 CVBS outdoor doorbells & 2 CVBS CCTV cameras, three extendable indoor monitor(one by one) to the corresponding interfaces by their own's requirement according to the following wiring diagram. The ethernet connector is a 4 pin connector, user needs to connect a network conversion with 4 pin interface to it(shown as below for example).

Note: 1. The indoor monitor uses an external switching power supply.

2. The CCTV cameras must use an external power supply.

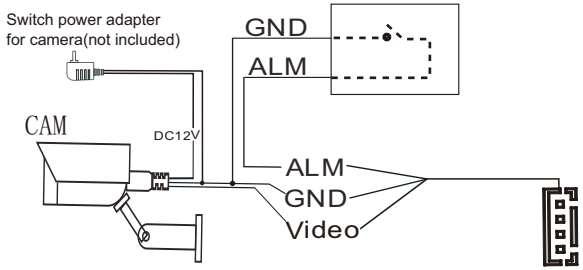


1.6 Alarm Instructions

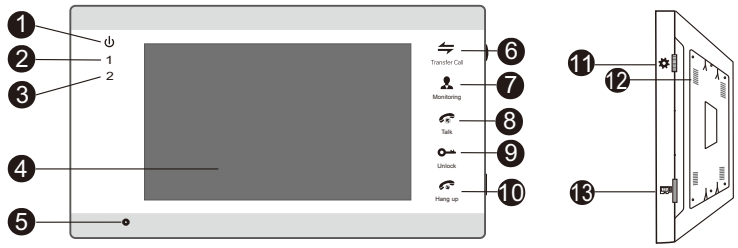
CAM1 and CAM2 of this production have each an alarm function. When the trigger terminal and GND is shorted, the alarm is activate, the indoor monitor will emit alarm sound, the alarm ring time is according to the menu option “Alarm->CAM1 ring time/CAM2 ring time. During this time, press “ Hang up ” to 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 applys to any alarm sensor.



1.7 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 or return button on menus.
11	Setting	1. 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”.
		2. In standby mode, press the button “⚙” once to quickly access the menu.
		3. 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.
		4. When the menu option on section 5.3.6 “Parameters->Event->Record->Record mode” set up as “Snapshot”, in monitoring/talking mode, press “⚙” to capture a frame of the current video stream as a still photo manually.
		5. When the menu option on section 5.3.6 “Parameters->Event->Record->Record mode” set up as “Record”, in monitoring/talking mode, press “⚙” to start manual record, and press this button again to stop manual record.
		6. In talking mode, scroll “⚙” upwards or downwards to adjust the communication volume of the indoor monitor.
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 64GB. And suggest that it’s better to use a TF card more than class 10 onto the device.

1.8 Operation Introduction On Indoor Monitor

◆ VISITOR CALL

* Please be aware of Connection of 2 outdoor cameras is required.

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:

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 .

The visitor's image automatically displayed on the screen

▼

Press the " " button on indoor monitor

▼ Stop ringing

NOTICE:

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

Start conversation with outdoor camera

▼ The conversation duration is 120s at a time

Press the " " button on indoor monitor

▶ release the door lock

Press the " " button on indoor monitor.

▶ hang up

End

Both the visitor's voice and image will not be switched off within 20s of time span when the " " button is pressed, this individualized function allow you to make sure whether the visitor already come in.

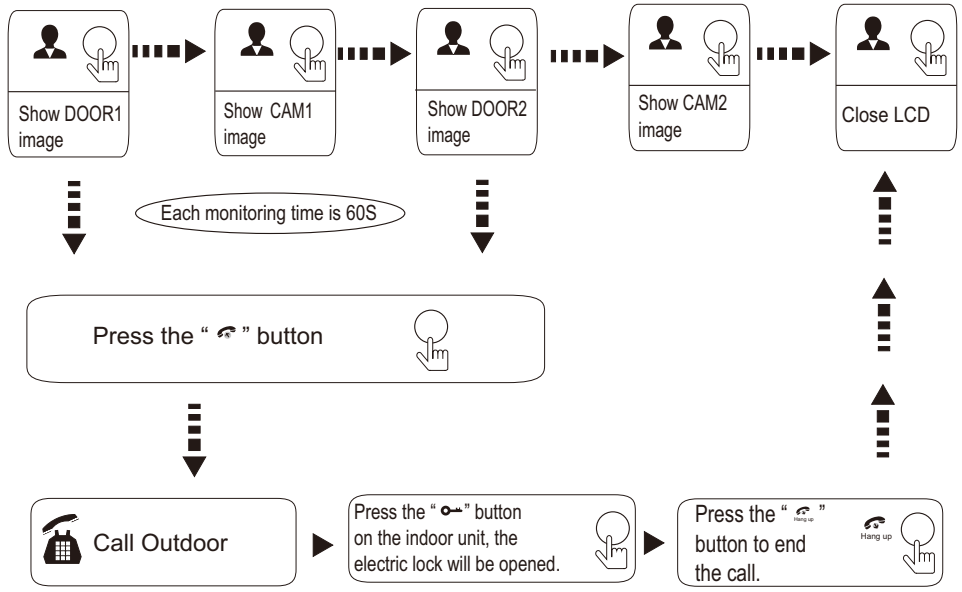
When the doorbell record for the video mode, from the start of a call, the whole process will be recording. If the user press the icon " ", the recording will be stopped manually. When the doorbell record for the snapshot mode, if a visitor press the call button on the outdoor camera, the first picture will be captured in the built-in storage of the indoor monitor, user can press the button " " to capture an image.

In monitoring mode, user can hear the sound transmitted from the outdoor doorbell, 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 the " ⇋ " 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 monitors

At least 2 indoor units is required.

Standby Mode

Press the " ⇋ " 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

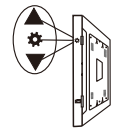
NOTICE:

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.

2. Menu Operations On Indoor Monitor

Attention before using:

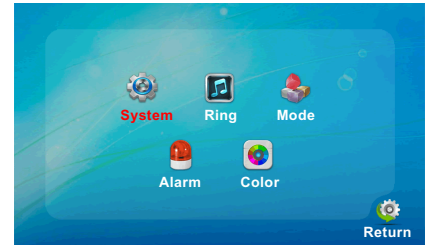
1. **This indoor monitor includes OSD menu on it's own device, users could set up some parameters on the indoor monitor.**
2. **User can connect the device through web browser on PC, please refer to section "3. Web Browser Operation".**
3. **Also user can connect the indoor monitor through mobile phone/tablet with the "uCareHome" app, please refer to "uCareHome app for IP Indoor Monitor User Manual".**
4. **The motion detection function only supports for one channel, it means that when activating motion detection function of the Door 1, the motion detection function of the other channel can't be activated at the same time. User can set up the motion detection parameters through IE browser or the "uCareHome" app.**
5. **The TF card can be formatted remotely via the "uCareHome" app or through IE browser, the file system of the TF card must be FAT32.**
6. **The TF card will be used to store video record or snapshot when calling on the outdoor bell, please refer to the configuration on section "5.3.6 Event-Record".**
7. **When all the button LEDs is flashing, the indoor monitor is ready in AP mode.**
8. **When unlocking, the app unlock time is set separately from the monitor's own unlock time. If unlock from the app "uCareHome", the unlock time of Door1 and Door2 are the same, will be consistent with the menu option value "Device Information->Unlock Time". If unlocking on the monitor, the unlock time of Door1 and Door2 can be different, will be consistent with the menu option value "Mode->Door1 unlock time/Door2 unlock time".**
9. **If users don't do any operate or enter any interface about the indoor monitor, the indoor monitor will be into standby mode after 1 minute automatically.**
10. **When the menu option "Key backlight" is set to "ON", when user presses any button or some visitor calls on the outdoor doorbell, all back-light LEDs of the button will be on. If the indoor monitor is in standby mode, if user doesn't do any operate on the device in 10 seconds, the back-light of each button will be off.**
11. **During editing parameters on the monitor, the red characters indicate that the option has been selected. When the red characters flash, it indicates that the option is in edit state.**



The button "⚙" is a three-in-one key, but also composite keys:

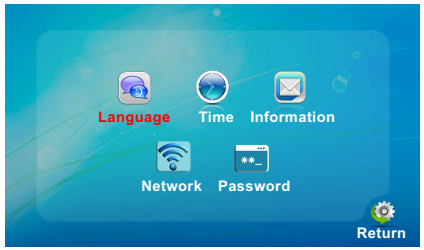
In standby mode, press the button "⚙" once to enter the main menu settings. In main menu settings, scroll the button "⚙" upward or downward to select sub-menu, then press "⚙" again to enter sub-menu. In sub-menu settings, press "⚙" to select menu options, scroll "⚙" upward or downward to adjust values of each option, then press "⚙" to confirm. When select option "**Return**" on main menu, press the button "⚙" to exit menu interface, or press "**Hang up**" button, the indoor monitor will be into standby mode.

In standby mode, press the button "⚙" to access the main menu interface, shows the main interface as shown below. On menus, scroll "⚙" upward or downward to move the cursor to the option "Return", then press "⚙" to exit; or press "Hang up" to return.



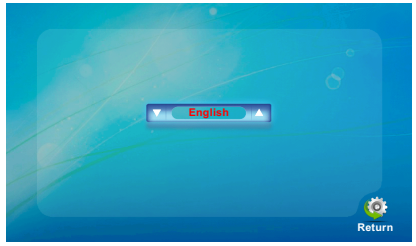
2.1 Set System Parameters

Scroll the button “⚙” upward or downward to move the cursor to the option “System”, then press “⚙” to enter the “System” menu. System setup includes: “**Language**”, “**Time**”, “**Information**”, “**Network**” and “**Password**”.

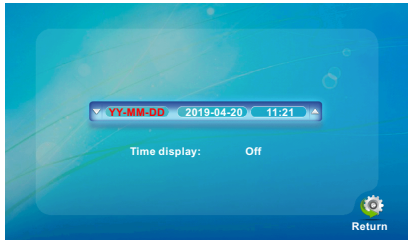


2.1.1 System – Language

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



2.1.2 System – Time

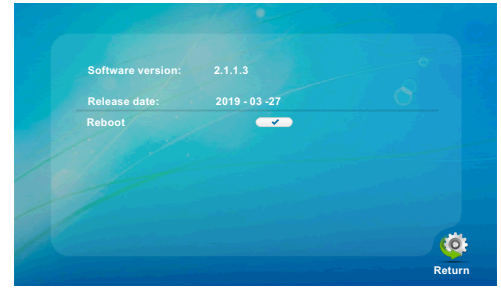


On system menu, move the cursor to “Time” and press “⚙”. Use this field to switch the date format, include “YY-MM-DD”, “MM-DD-YY” and “DD-MM-YY”, to adjust system date and time. First scroll “⚙” upward or downward to move the cursor, and press “⚙” to select menu options, then scroll “⚙” upward or downward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

[Time display]: Options include “1min”, “3min”, “5min”, “10min” and “Off”. For example, “1min” means that the system time will be displayed on the screen for 1 minute when the device is in standby mode. “Off” means that there is no time displayed on the screen when the monitor is in standby mode.

2.1.3 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.

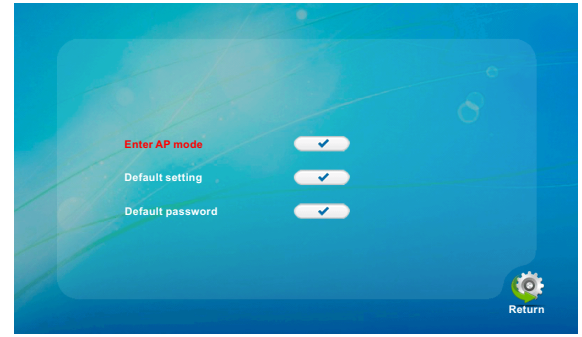


[Reboot]: Move the cursor to “Reboot”, and press “⚙”. It will pop-up a tip on the window, choose “Yes” to restart the device, choose “NO” to cancel.

[Return]: Exit the current menu.

2.1.4 System – Network

On system menu, move the cursor to “Network” and press “⚙” to enter the “Network” menu. User can set up “Enter AP mode”, “Default setting” and “Default password”.



[Enter AP mode]: Using this field to make the device into AP mode manually. Choose “Yes” the monitor will auto-reboot, and all the buttons LEDs on the front panel will be flashing after it restarts, then the AP mode is ready. Using the menu “Exit AP mode” to exit AP mode manually.

[Default Setting]: To restore all the parameters to the default values.

[Default password]: To restore the login/unclock password of the monitor access by web browser or the uCareHome app, default password is “888888".

[Return]: Exit the current menu.

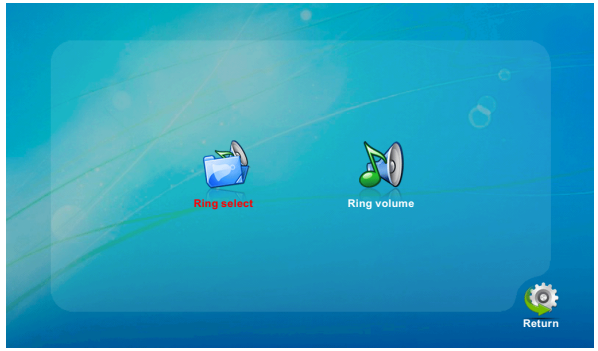
2.1.5 System – Password

On system menu, move the cursor to “Password” and press “⚙” to enter the “Password” menu. User can set up the administrator’s password. The password set for entering the indoor monitor by web browser or the uCareHome app, default is “**888888**".

[Return]: Exit the current menu.

2.2 Set the tone parameters

On main menu, move the cursor to “**Ring**” and press “⚙” to enter the “**Ring**” menu. Ring setup includes: “Ring select” and “Ring volume”.



2.2.1 Ring – Ring select

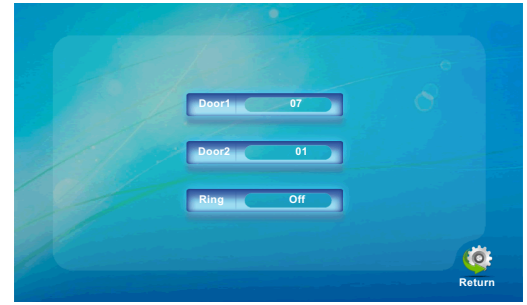
On ring menu, move the cursor to “**Ring select**” and press “⚙” to enter the “**Ring select**” menu to set up the doorbell tone of the outdoor camera.

[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.

[Ring]: This item can be set when calling on the outdoor bell, the visitor can hear the ringing tone at the outdoor bell or not. “On” indicates that visitor will hear the ringing tone on the doorbell after calling. “Off” indicates that the outdoor bell will be muted after calling.

[Return]: Exit the current menu.



2.2.2 Ring – Ring volume

On ring menu, move the cursor to “Ring vol1”/”Ring vol2”/ “Ring vol3” 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.

First move the cursor to option value, press “⚙” to enter edit mode, then scroll “⚙” upward or downward to adjust values, and press “⚙” to confirm.

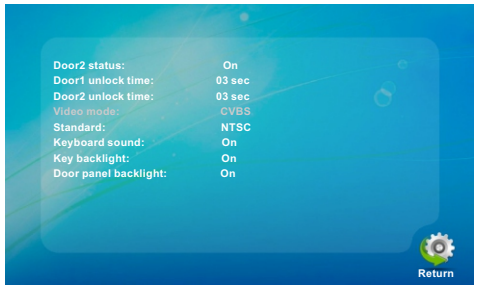
[Silence mode]: Silence mode is Do Not Disturb mode. When Do Not Disturb mode is enabled, during the period time of the silence mode the indoor monitor will be muted when outdoor doorbell calls or alert occurs.

Note: In silence mode, the indoor monitor will be muted when some visitor calls on the outdoor doorbell or alert occurs. User can enter into the menu “Silence mode” to disable it manually.

[Return]: Exit the current menu.

2.3 Set the mode of the indoor monitor

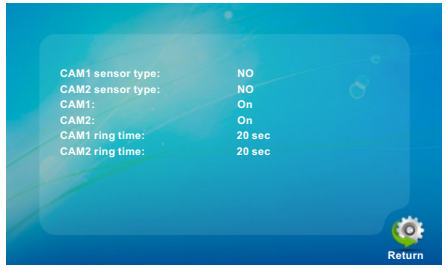
On main menu, Move the cursor to “**mode**” and press “ ⚙ ” to enter the “Mode” menu.



[Door2 status]: Enable or disable the preview of Door2.
[Door1 unlock Time]: From 02 seconds to 10 seconds.
[Door2 unlock time]: From 02 seconds to 10 seconds.
[Video mode]: To view the video input mode which is CVBS. That’s mean user can connect up to 4 CVBS cameras(2 outdoor doorbells and 2 cctv cameras) to the indoor monitor.
[Standard]: From this field, select the system output type that is consistent with camera input, i.e. PAL or NTSC.
[Keyboard sound]: Option “On” the mean is turn on the prompt tone when operation each step. Option”Off” the mean is turn off the prompt tone when operation each step.
[Key backlight]: Option “On” indicates that all key lights on the front panel will be on. Option “Off” indicates that all key lights on the front panel will be off.
[Door panel backlight]: This option is for outdoor bell with backlight control. Option “On” indicates that backlight LEDs of the outdoor bell will be on. “Off” indicates that backlight LEDs of the outdoor bell will be off.
[Return]: Exit the current menu.

2.4 Alarm

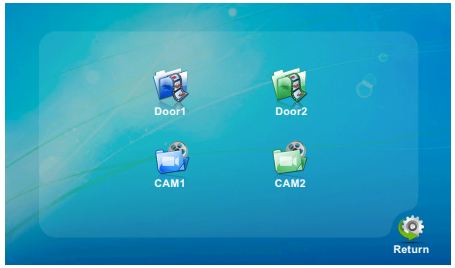
On main menu, move the cursor to “**Alarm**” and press “⚙” to enter the “Alarm” menu to set up the alarm type of camera 1 or camera 2.



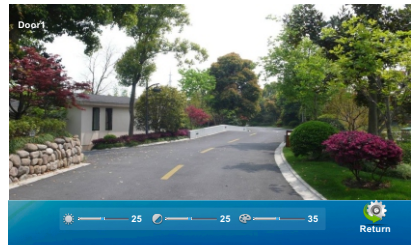
[CAM 1 Sensor type or CAM 2 Sensor type]: Each camera channel corresponds to an I/O status (see the following status explanations), which means that when an alarm is triggered, it will activate the indoor monitor to issue an alert, the duration of the alert will be according to “CAM1 ring time” or “CAM2 ring time”.
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.
Off: Set the sensor type to “**Off**”, it means 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.
[Return]: Exit the current menu.

2.5 Set the color parameters

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

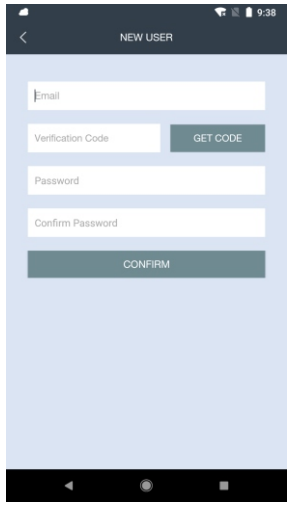


On the color menu the video color of Door1/Door2/CAM1/CAM2 attributes can be adjusted for the best image quality. Choose on the option “Door1” or “Door2” or “CAM1” or “CAM2” to enter the corresponding menu to adjust values of brightness, contrast and saturation depending on the actual conditions. Scroll the button “⚙” upward or downward to adjust values.
[Brightness]: values can be set up from 0 to 50.
[Contrast]: values can be set up from 0 to 50.
[Saturation]: values can be set up from 0 to 50.
[Return]: Exit the current menu.



2.6 How to connect Network

Please download an app "uCareHome" via "Play Store" on a smart-phone/tablet with android system or via "APP Store" on an iPhone/iPad with IOS system, then register an account.



User name is your available email account.

Password requires at least 8 characters and contains an uppercase letter, a lowercase letter, but special symbol is not supported .

Format of correct password, for example: **Tmezon123**

2.6.1 Device Connect--Through wired network

If user connects a network cable to the indoor device, the parameters for WIFI can be set up via IE browser, please see section **5.3.4 Network--WIFI** for more information, network connection diagram please refer to **Figure 1** on the following.

User can connect the indoor monitor through network cable, operation steps:

1. Connect a network conversion with 4 pin interface to JA1 on the indoor monitor, and connect the keystone jack of network to the end of the 4 pin interface.
2. Connect the outdoor camera(s) and cctv camera(s) to the 4 pin terminal on indoor monitor.
3. Power on the indoor monitor.
4. Wait for a while until hearing a beep sound, then the indoor monitor starts completely.

Network connection diagram through wired network of Figure 1 as an example.

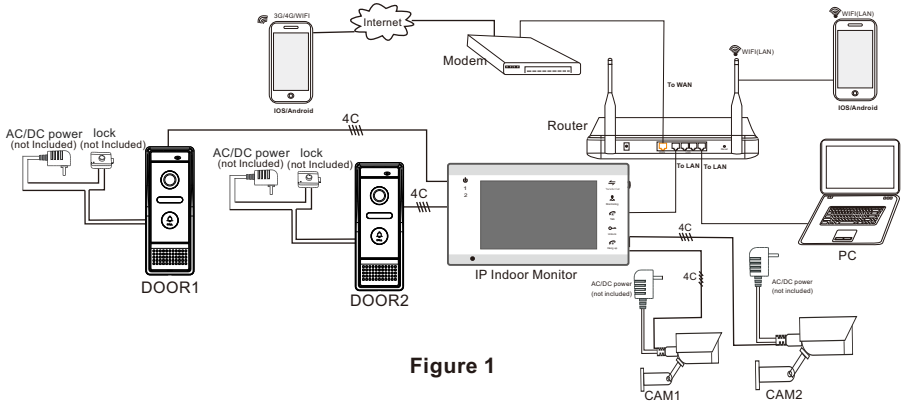
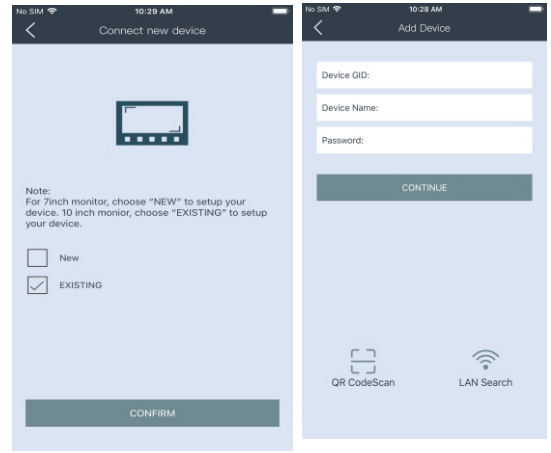


Figure 1

Wired Network------APP Operation



Name
is the device name for your IP indoor monitor.

Password
is the device password for login your IP indoor monitor.
The default password is "**888888**".

QR Code Scan
for your indoor monitor QR code.

LAN Search
to search online devices in the same WIFI network.

If the indoor monitor is connected to the router through a network cable, please choose "**EXISTING**".

2.6.2 Device Connect--Through wireless network

The indoor device with WIFI function can also work in WIFI wireless network.

If user doesn't want to connect a wired cable to the indoor monitor, and user needs to prepare a wireless router and a smart-phone or a pad with IOS or Android system. The parameters for WIFI can be set up via a smart-phone or a pad with IOS or Android system.

Note:

1). Router Band--This IP indoor monitor will only connect to the 2.4GHZ band.

2). Router b/g/n --This IP indoor monitor works on 802(b/g/n) network.

Network connection diagram via wireless network as Figure 2 as an example.

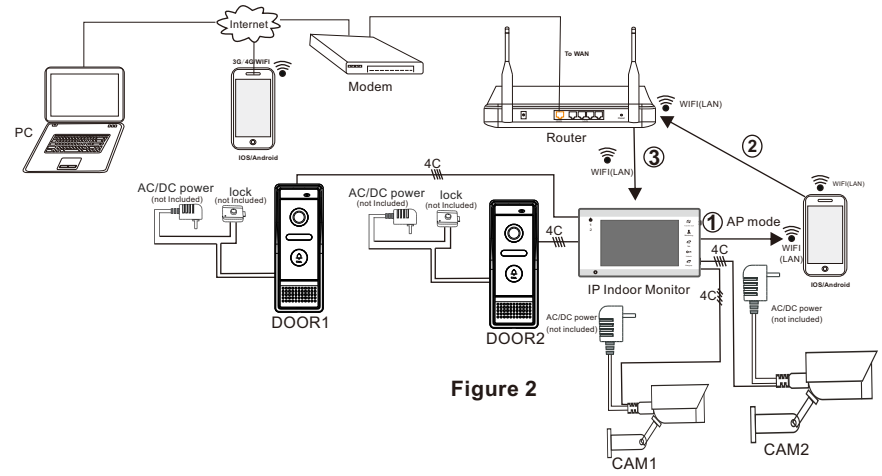
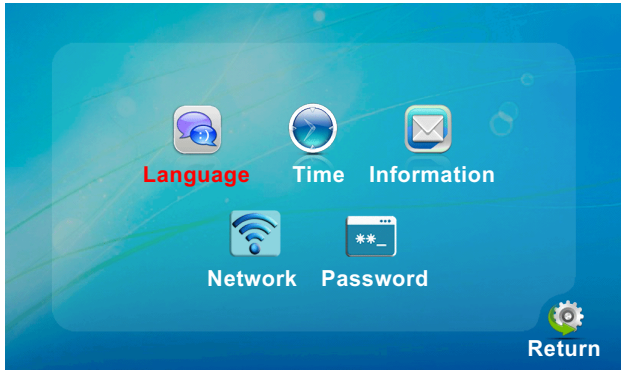
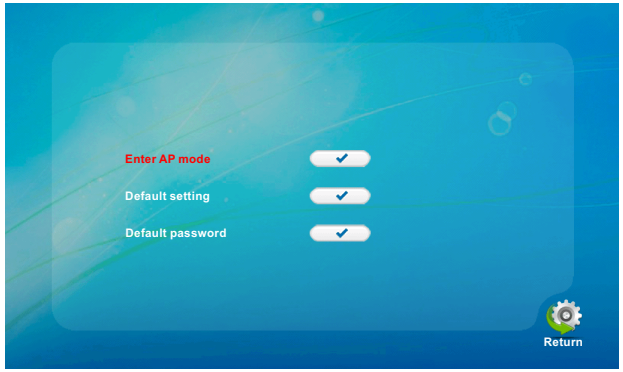


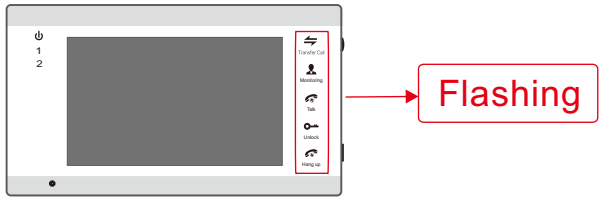
Figure 2

Wireless Network------Make indoor monitor into AP Mode

Enter the menu "**System->Network->Enter AP mode**", choose "Enter AP mode", it will automatically reboot and wait for all button LEDs flashing then AP mode is ready.







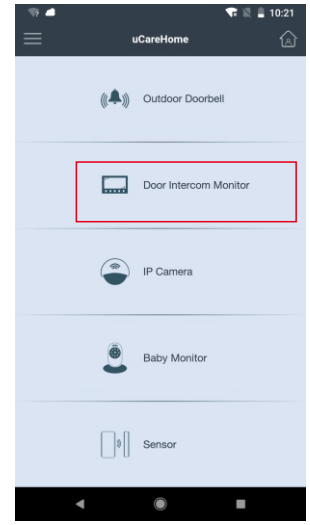
Note:

1. If the device has went into AP mode, but the wireless function of the device hasn't been activated via "uCareHome" on the phone or user doesn't do any operate about the device, after 10 minutes the device will automatically exit AP mode and returns to the previous connection mode.

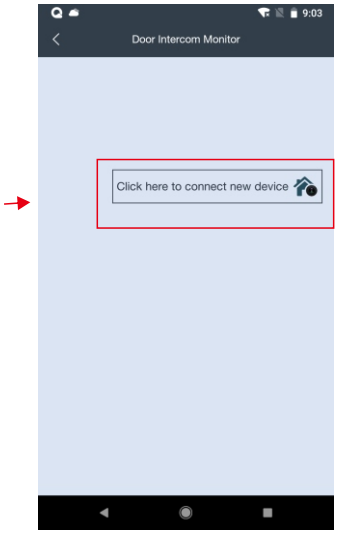
2. If the monitor is in AP mode, user can through the menu "System-> Network->Exit AP mode" to choose it manually, the monitor will auto reboot and it will exit AP mode.

Wireless Network------APP Operation for Android phone

Step1

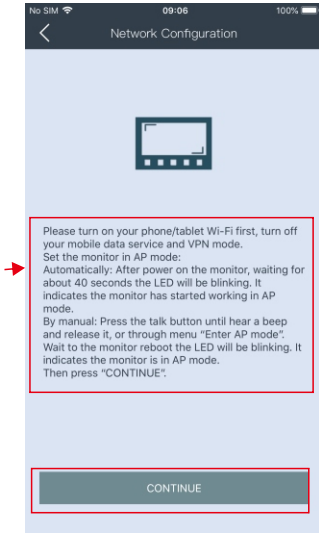


Step2

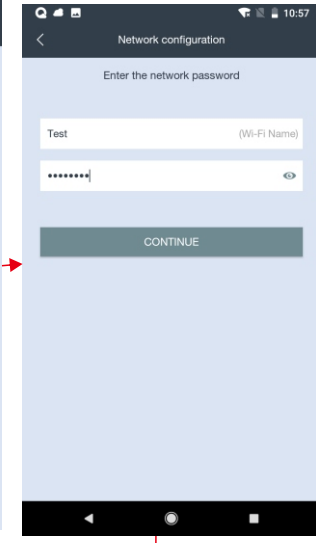


Step3

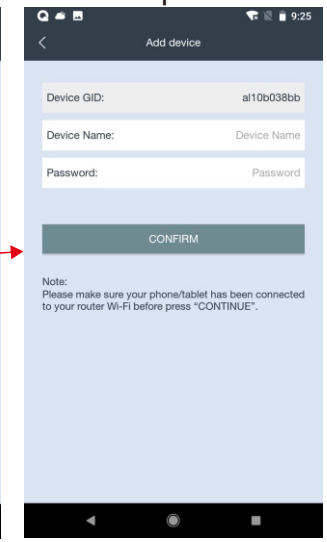
Step4



Step5



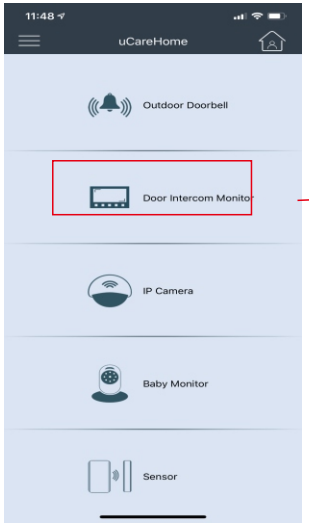
Step6



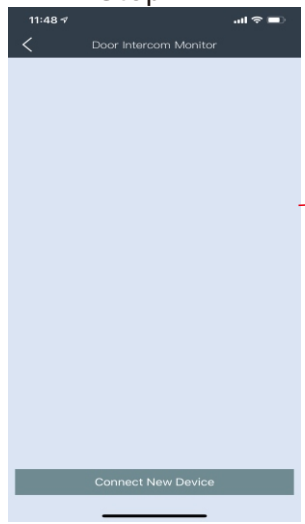
If device hotspot appears, not your WIFI name, please switch to your phone wifi setting and connect 2.4Ghz WIFI, then return to first step, try to configure WiFi via app again.

Wireless Network------APP Operation for iPhone

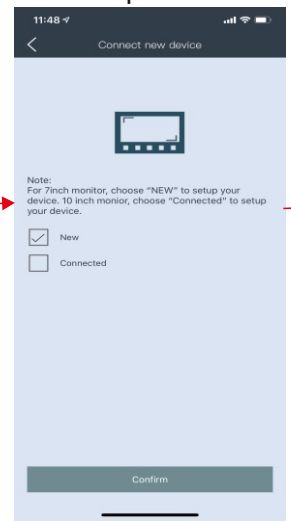
Step1



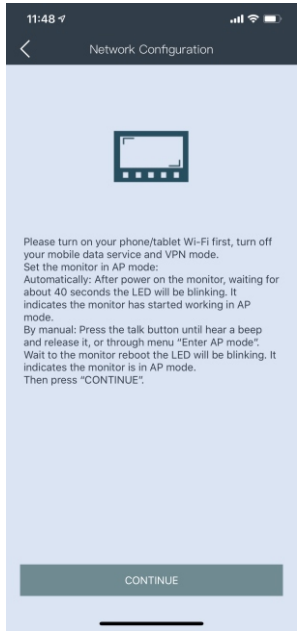
Step2



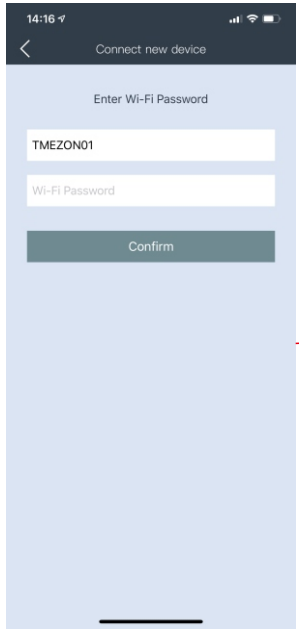
Step3



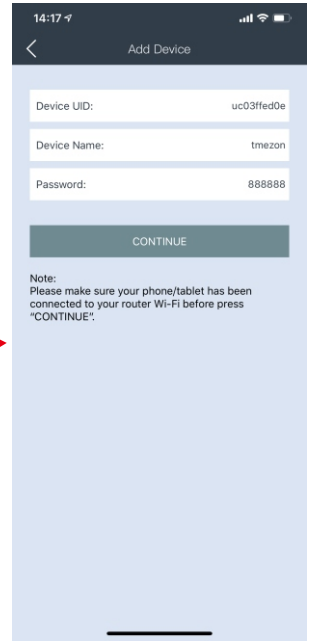
Step4



Step5



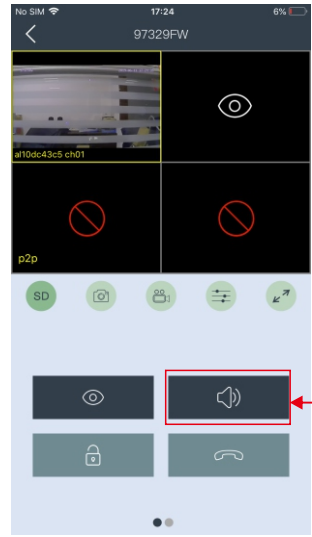
Step6

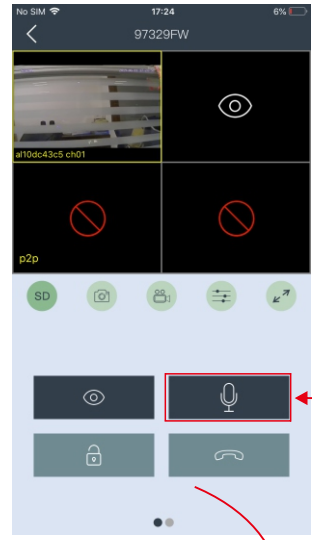


If device hotspot appears, not your WIFI name, please switch to your phone wifi setting and connect 2.4Ghz WIFI, then return to first step, try to configure WiFi via app again.

The icons on live view

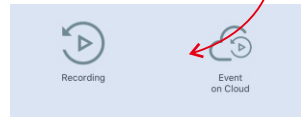
To view only one channel once.





Touch to switch during talk back

Swipe left



HD / SD **Quality switch:HD/SD**

Snapshot

Record/Stop record

Adjust volume of speaker/Microphone

Video full screen display

Connect/disconnect view

Talk back, semi-duplex communication. Hear the sound from the outdoor bell.

The Microphone, transfer the sound to the outdoor bell.

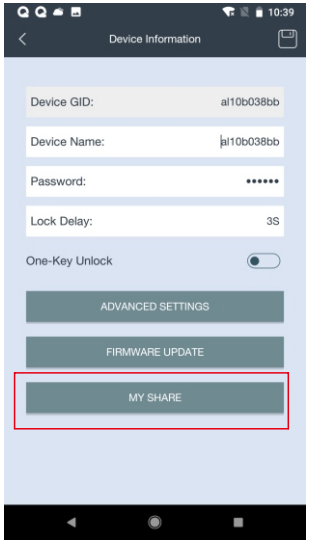
Unlock

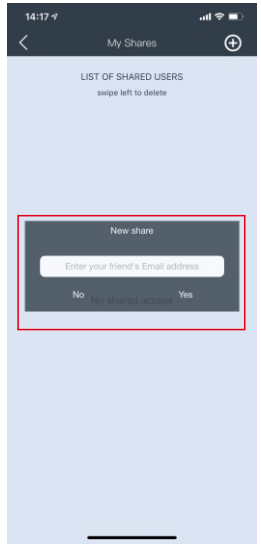
Hang up

Playback recording on SD card

Event on cloud
(Optional: Cloud storage service, Only for the master.)

System setting





Lock Time
unlock time can be adjusted, and values can be set from 1 to 10s.

One-Key Unlock
After turn on this switch, no need enter unlock password every time by visitor press “CALL” .

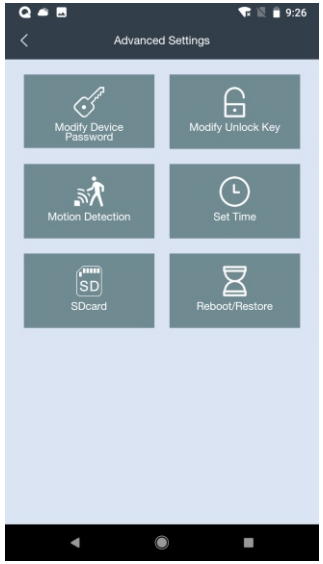
Unlock Key
is the password for unlock.

My Shares

How to share the device to other users?
Only the first login user can directly add the device in uCareHome app.
(Tip: Unless the first login user delete the device in uCareHome app)

The first login user can share the device with others as above:
(Tip: The shared user need to download uCareHome app and register an account in advance to finish the device sharing.)

Advance setting



Modify Device Password

Modify Unlock Key

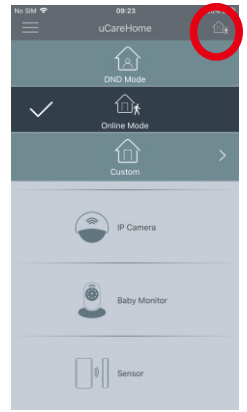
Motion Detection
only one channel can enable motion detection alarm function every time.

Set Time
Sync indoor monitor time with your phone.

SD card
For SD card storage

Reboot/Restore

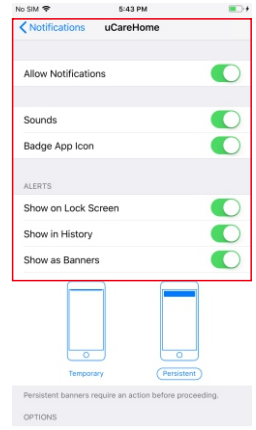
Push Mode



DND mode
Turn off all push function of the device.

Online Mode
Turn on all push function of the device.
App system default is away mode.

Custom Mode
You can customize the optional push function.



Note:
Please make sure that all push notifications are enabled in your phone.
If all the push notifications are enabled, but you still not receive the notifications, please exit uCareHome app and reboot your mobile, try it again.

Account

Media
local storage.

Setting
setup notify mode and screen display mode..

About
app firmware version.

3. Web Browser Operation

3.1 Running Environment

Install the software through the Internet browser of OS to conveniently operate the network from a remote location. This device supports C/S, B/S, and access in LAN and WAN. It also supports IP and domain name visiting.

IMPORTANT! SOFTWARE RECOMMENDATIONS:

To ensure reliable remote viewing of IPdoor footage, it is highly recommended that users have either Windows XP, Windows 7 or Windows 8 installed on their computers, and that they use either Internet Explorer 6.0, Internet Explorer 7.0, Internet Explorer 8.0, Internet Explorer 9.0 Internet Explorer 10.0, Internet Explorer 11.0, Mozilla Firefox, or Google Chrome as their Internet browser. (In the appendix, there is an explanation of how to access the indoor unit using Firefox or Google Chrome.)

Note:

1. Suggested that to run Internet Explorer browser as Administrator on operation system such as Windows 7/Windows 8/Windows 8.1/Windows10 except Window XP.

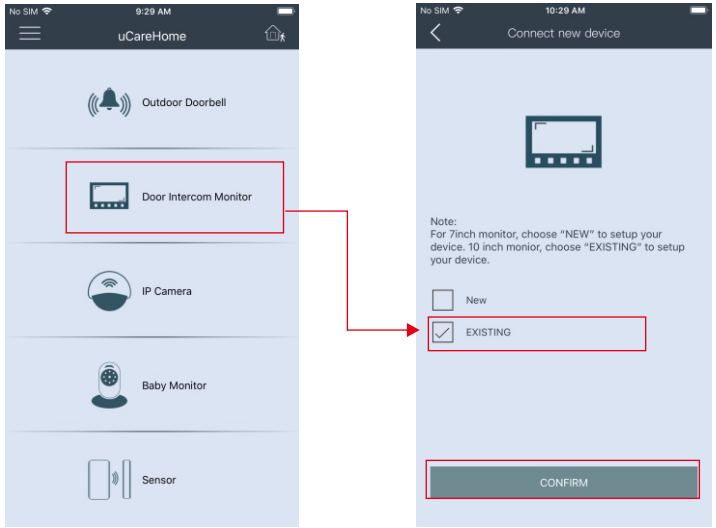
2. Before setting up remote access, turn Disable the firewall and any anti-virus software currently running on the computer.

3.2 Quick Setting

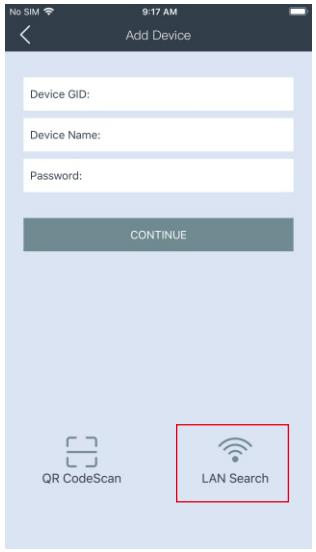
1)Through the indoor unit connection to network (or PC), and then to the indoor unit electric start.

Note: The default IP type of the indoor monitor is DHCP, for the first time PC and the device must be connected to the same router.

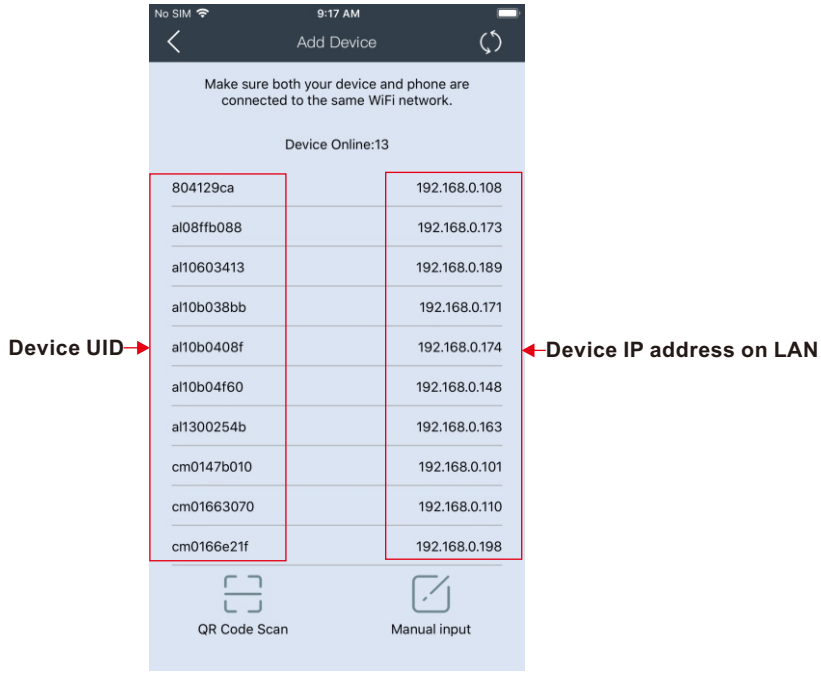
2)Login the app "**uCareHome**", make sure that your smart-phone and the device are connected to the same WIFI network, press "Door Intercom Monitor"-> "Connect New Device" -> "Existing", and press "Confirm".



Press "LAN Search":



Online devices which are connected to the same WiFi router will be shown on the list(as below):

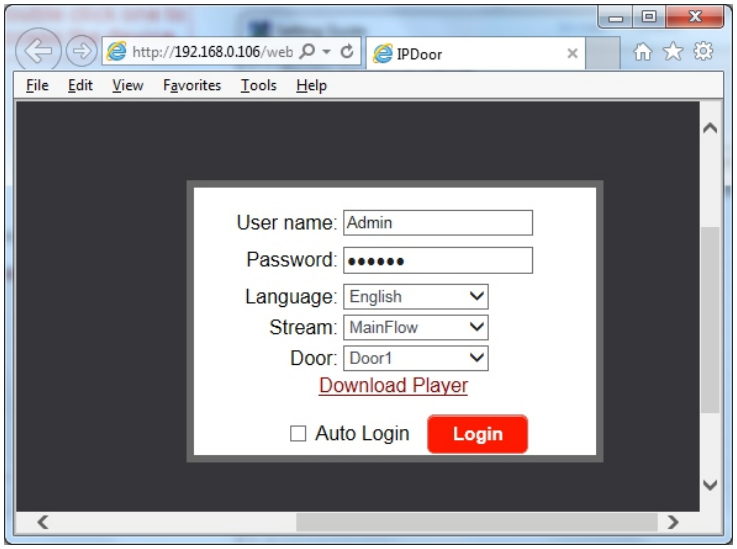


User can access to the indoor monitor by this device IP address on LAN on PC.

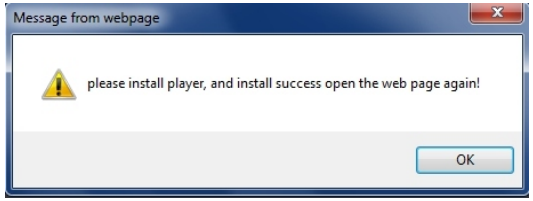
3.3 System Login

1)Open the web browser, and enter IP address "http://XXX.XXX.XXX.XXX" which can be searched by the app "uCareHome" on LAN.

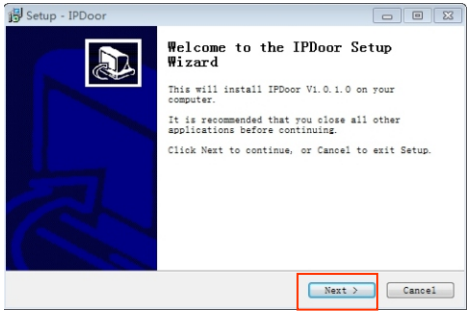
Note: If the device is connected to the WAN, the IP address should be a public IP address. The system will automatically enter the GUI as follows.

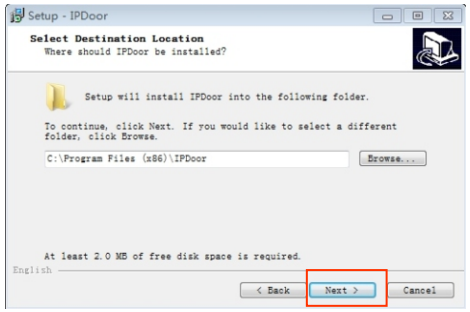


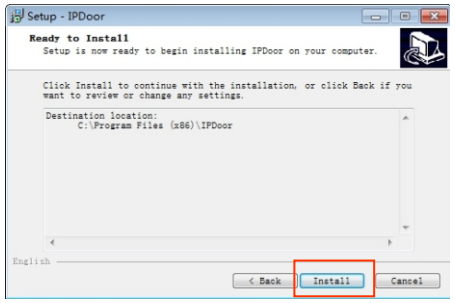
2) Click " Login ",if users access the device on the PC for the first time, it will pop up a window as below, click "ok" and install player on the PC according to the following method.

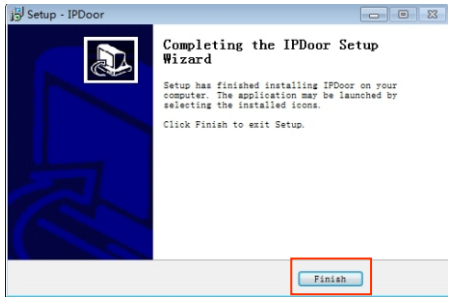


Click " Download Player " and download the file "IPDoor.zip" to the PC. Open the zip file to run the file "IPDoorSetup.exe" and it will install indoor unit's OCX on the PC (according to the method as following figures).





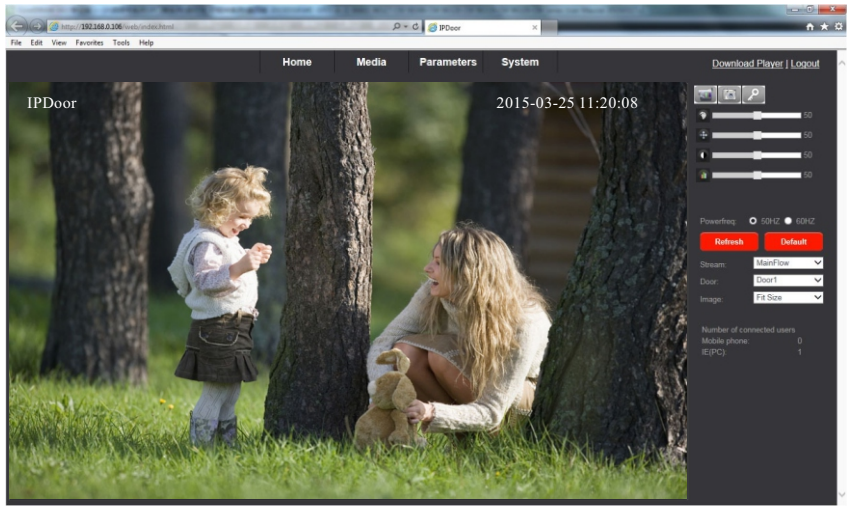




3)After installing player on the PC, input the authorized user name and password, the default user name is "Admin" and the default password is "888888". Select language, choose network stream "Main Flow" or "Minor Flow", choose door/camera number(Door1 or Door2 or Camera 1 or camera 2), and then click " Login " to access.

" ☑ Auto Login " indicates that it will enter into "Home" interface automatically when the device will be connected to the web browser again on the same PC.

4)After login, it will enter into “Home” interface of the live view as follows.



4. Port Forwarding

If visit indoor unit via Internet Explorer browser from WAN, you must do port forwarding on the router. Port Forwarding is used to transfer information from your router directly to your computer or indoor unit through Ports. What is a Port? Ports are openings through your computer that allow data in you computer/indoor unit. The World Wide Web for example uses Port 80. Anytime you go to a website, that goes over that specific port. The reason we need to forward certain ports for your indoor unit is so that you can View your cameras over the Web (internet).Take Netgear router for example.

A few things that you need to find out about your Internet Connection:

* Do you have a Static IP or Dynamic IP? To find this out, contact your Internet Service Provider and they should be able to tell you.
* If you have a Dynamic IP or PPPoE ADSL, you will need to set up an Account on DDNS (www.dyndns.org or www.3322.org). That way when your IP changes, you can connect to the same Hostname (ex: my.dyndns.org) everytime you connect. It other words, it makes your Dynamic IP a static host address. This is very important if you want to connect to your indoor unit remotely.
* Find out what equipment you are using from the Internet Service Provider. If it is a modem, then you should be fine just configuring your router that's connected to it. Make sure to get the username and passwords for any router you may have. If you can not log in to the router, you will not be able to complete this setup. You may have to contact your Internet Service Provider for this information.

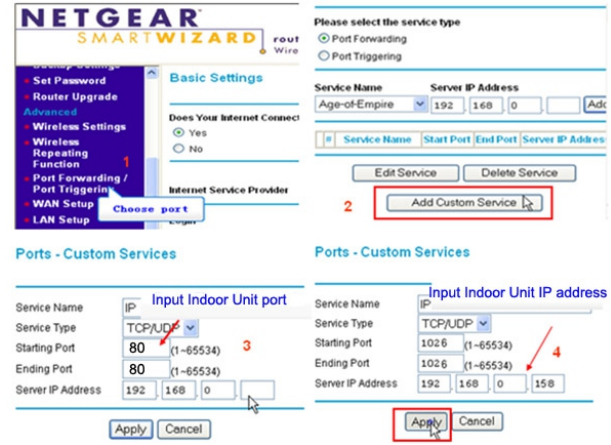
Take Netgear router for example.

Operation Steps:

1) After login the interface of the router, choose “Port Forwarding”;
2) Choose “Add custom Service”;
3) Input indoor unit ports, including http port(default as 80) and mobile port(default as 20510);
4) Input IP address of the indoor unit, click “Apply”（the HTTP port, the mobile port and IP address should be the same as the following figure which set by your own).

Note: Different router has different settings for port forwarding; please kindly follow your router guide to do the port-forwarding.

After the port-forwarding is done, you could view the indoor unit from WAN now.



5. Function Settings

Options in the main interface include “Home”, “Media”, “Parameters” and “System”. Click any option to access it.

5.1 Home

Click “Home” to enter the window for live video as follows, it includes video window, control buttons and Image Settings.

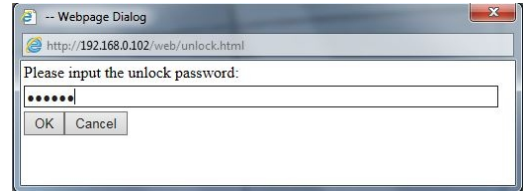
Video window: Double click the real-time video then it will display video full-screen. Double click it again then it will recovery default window.

Control buttons:

Record: Click “Record” button, which could record the video with audio and store it at the present path. When recording, the button “” will change to “”. Click the button “” again, and then the record stops.

Capture: Click the capture button, which could take photos for the current video and store the image at the present path.

Unlock: Click “” button to release the door lock via IE browser. Click this button it will pop-up a window as below, and please fill in correct password, the password is the same as the password for accessing the device system, the default password is “888888”, then click “OK” to confirm.



Video Image Settings: To set up the image displayed on the indoor monitor screen.

50 : Adjust hue of image. Values can be set from 0~100.By default, the value is set at 50.

: Adjust brightness of image. Values can be set from 0~100.By default, the value is set at 80.

: Adjust contrast of image. Values can be set from 0~100.By default, the value is set at 80.

: Adjust saturation of image. Values can be set from 0~100.By default, the value is set at 80.

Powerfreq (Power Line Frequency): Options include 50HZ and 60HZ. If the monitoring site adopting lighting elimination, user should set a corresponding frequency. If the two frequencies are different, the image will flick. There are two frequencies on the world, one is 50HZ, and the other is 60HZ. In China, adopt 50HZ.

Click "Update" to refresh the settings of the Image, and click "Default" to restore the parameters of the image to the default settings.

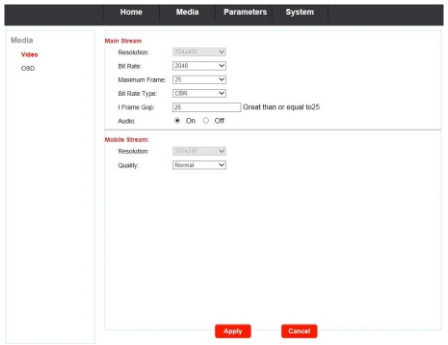
Stream: Set up network stream, including main flow and minor flow.
Door: Choose door number, door 1, door 2, Cam1 or Cam2.
Image: Set up the size of view image. Options include Fit size and Src size.
Number of connected users: Show number of connected users on mobile phone or IE(PC).
"**Mobile phone: 0"** means no user connected via mobile phone.
"IE(PC): 1" means one user connected via IE on PC.

5.2 Media

Click "Media" to enter the media parameter setting menu. This interface includes settings for Video and OSD.

5.2.1 Media--Video

Click "Media—Video" to access the interface as follows. And user can set up parameters of main stream, and mobile stream.



A. Video—Main Stream

1) Resolution: For the resolution of main stream, the main resolution is 704*480(D1).

2) Bit Rate: User can choose a certain bit rate, generally speaking, the bigger the bit rate is, the clearer the image will be. Please choose the suitable bit rate according to your bandwidth. If you select a big bit rate, while the bandwidth is worse, it will cause the video stream can't be transferred smoothly, the video quality will be not perfect too.

3) Maximum Frame: User can choose a certain frame rate, when the bandwidth is limited, suggest reducing the value. Generally, the video is fluency if the value is more 15 frames. The value is 30 frames for NTSC norm and is 25 frames for PAL norm.

4) Bit Rate Type: There are three modes for bit rate control, CBR, VBR and FixQp. If user choose CBR mode, the video encoder will encode according to the bit rate you have selected. If user choose VBR mode, the video encoder will consider to the image quality and encode according to the bit rated have been selected, but not strictly according to this bit rate. Suggest VBR mode.

5）Audio: Options include "On" and "Off".

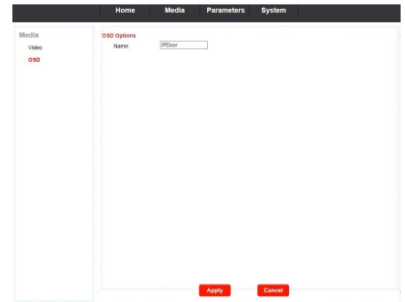
B. Video—Mobile Stream

1)Resolution: The resolution of mobile stream is 320*240(QVGA).

2)Quality: The image quality of the outdoor camera for remote access viewing via mobile phone. And there are five options: "Very High", "High", "Normal", "Low" and "Very Low". The better the image quality is, the bigger the bit rate and the frame rate of the outdoor camera are. Please choose the suitable quality according to your bandwidth.

5.2.2 Media--OSD

Click "Media—OSD" to access the interface as follows. OSD options include "Name".



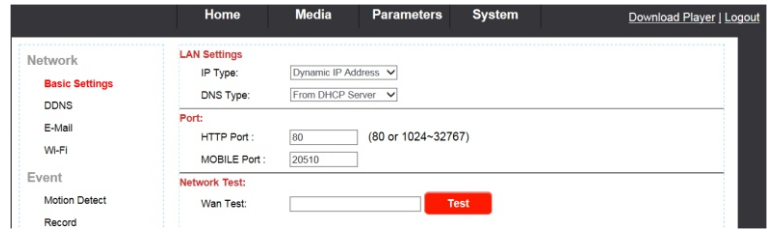
Name: Users can modify the name of the indoor unit. Note that the name of the device must not exceed twelve arabic numbers, letters or twelve Chinese characters.

5.3 Parameters

Click "Media" to enter the parameters setting menu. This interface includes settings for Network (Basic Settings, DDNS, E-mail and Wifi) and Event(Motion Detect and Record).

5.3.1 Network--Basic Settings

Click "Parameters—Network—Basic Settings" to enter the LAN Settings interface. Default IP type of the equipment is DHCP. The user can set up device network parameters through the operation "Quick Setting Guide", user can change it according to your network environment.



A. LAN Settings

[**IP Type**]: There are two options: “Fixed IP Address” and “dynamic IP Address”.
After selecting an Internet connection setting - such as fixed IP address (static) or dynamic IP address (DHCP) – and allocating a port, users can access the indoor unit remotely via the Internet.
1)If fixed IP address has been selected, it is necessary to set up an IP address, a subnet mask and a gateway.
[**IP Address**]: Enter the IP address in this field.
[**Subnet Mask**]: Input numbers for the subnet mask.
[**Gateway**]: Enter numbers for the default gateway.
[**DNS Type**]: Options include “Manual DNS” and “From DHCP Server”. If users select “Manual DNS”, they have to input numbers for primary DNS and second DNS manually.
2)If DHCP is selected, the server will allocate a IPC IP address automatically.
NOTE: Save the IP address when selecting DHCP and the IPC will automatically connect with the server. It will allocate an IP address when the connection is stable, and this address will be displayed on the interface.

B. Port

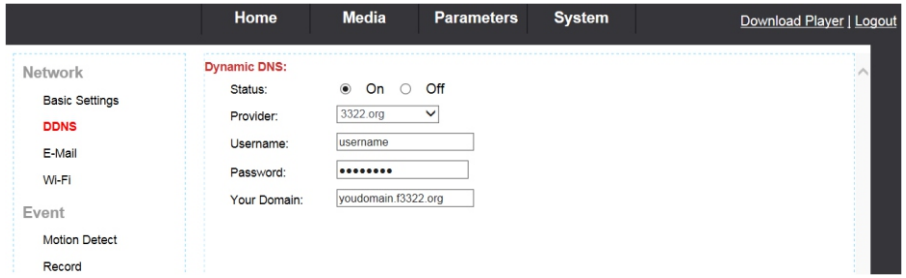
[HTTP Port]: The IP address identity one indoor unit in the network, you can run several programs on this equipment, and every program will transfer the data through some port, in fact data is transferred from one port to another. The port setting of this page is asking user choose which port to transfer the data for the web server. Doing port mapping, need to maintain consistent with the port (equipment factory default port is 80).Sets up a Web browser port via HTTP. The default port number is “80”. The port range can be set up from 1024 to 32767.
[Mobile port]: Mobile monitoring port. And default value is 20510.

C. Network Test

[**Wan Test**]: In this field, users can fill in the IP address or DDNS address which they set up, and click “ Test ” to test the network traffic is normal or not. If all the network parameters are set correctly, click “ Test ” and “Test Success!” will be shown. Otherwise “Test Failure!” will be shown.

5.3.2 Network--DDNS

Click “Parameters-Network-DDNS”to enter the DDNS setting interface. DDNS setup as follows. User can use third part DDNS, first user must have a domain name; www.dyndns.org or www.3322.org is recommended. Please remember the username, password and domain name. Then enable DDNS, for example, select the DDNS Provider as “3322.org”. If your domain name is “test.f3322.org”, please enter “test.f3322.org” in the option “Your Domain”, the “Username” and “Password” is the username and password that applied in the www.3322.org. Click “ Apply ” to save. Then you can access the device by domain name.



5.3.3 Network--E-mail

Click “Parameters—Network—E-Mail” to enter the E-Mail Setting interface, and SMTP setup as follows.

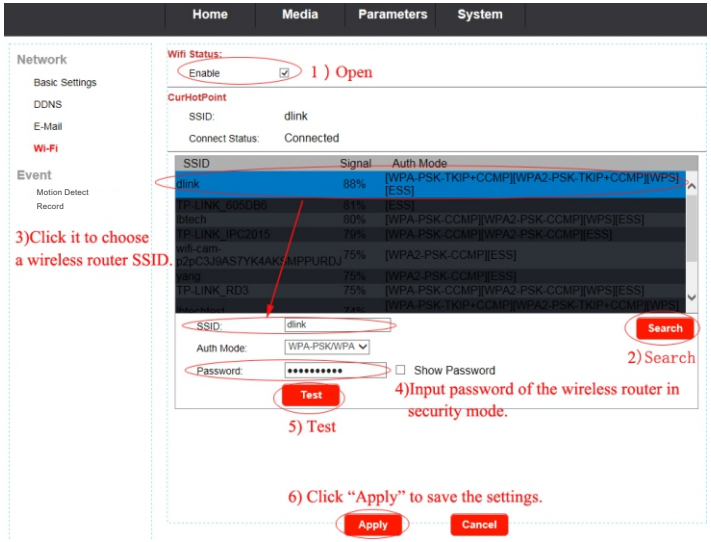
This function not only support internal mail transfer but also internet.
1)**Sever name**: Input SMTP sever address in this field, and SMTP Server Address is refers the IP address of mail server, such as QQ is smtp.qq.com, Gmail is smtp.Gmail.com.
2)**Port**: This refers to the port of the SMTP server. Generally, the SMTP port number is “25”, but there are exceptions; for example, the SMTP port number of Gmail's server is “465”.
3)**SSL**: SSL is a security link transport protocol that can be used to encrypt information communicated over the Internet (including email) to prevent hackers from accessing the email communication or other information of users on a network, such as passwords.
4)**User Name**: In this field, enter the sender's email address. The email address should be consistent with the server being used. That is, if the sender's email address is test@126.com.
5)**Password**: In this field, enter the password of the sender's email address.
6)**Sender to**: In this field, enter the receiver's email address (the email address being used to receive images transmitted from the IP doorbell-vistor call on the outdoor bell). Clear the images received as soon as possible to avoid exceeding the email account's storage capacity.
7)**From as**: In this field, enter the sender's email address. The email address should be consistent with the server being used. That is, if the sender's email address is test@126.com, the corresponding server should be “smtp.126.com”.

5.3.4 Network--Wifi

For the indoor unit with WIFI function, users can visit the device remotely by the following methods: through network cable connection or through wireless connection. If through wireless connection, please use the network cable to connect the device into LAN before doing settings of wireless connection. Then click “Parameters—Network—WiFi” to enter the Wifi Setting interface, and according to the below 1-6 steps to do the settings.
1) Open wireless, “ Enable ☑ ” indicates WIFI status to be enabled.
2) Click the “ Search ” button to search the current wireless routers, and all the wireless routers will appear on the Current Hot Point list.
3) Choose one effective router, click it to choose router SSID.
4) Input correct password of the wireless router in wireless security mode.
5) Click “ Test ” to check the wireless network is connected successfully or not.
6)When the wireless is connected successfully, click “ Apply ” to save the settings, the device will be reboot automatically, take away the Ethernet cable, then the wireless network will work perfectly.

Note:

1. When adjust WIFI status, the device will reboot after saving the setting.
2. When enable WIFI status, the device will reboot automatically if plug or unplug the keystone jack of network cable to the RJ45 ethernet interface of the indoor unit.
3. Through Wifi connection, the “Network Type” on the Network Basic Setting suggested to be set as “DHCP”. When configure the parameters about WIFI, user can view the indoor unit can be allocated IP address whether or not through the search tool “HiCamSearcher”. If not, user must set up parameters about Wifi again.
4. When the equipment connected to the Internet, and also enable the WIFI, when activated, the equipment will be the first to choose Ethernet cable connection mode, if can't connect, then choose WIFI connection. WIFI connection of the ports to use are consistent with cable connection of the ports to use.
5. No space between characters of the SSID, no space between characters of the Wifi password, otherwise the wireless router can’t be connected successfully.

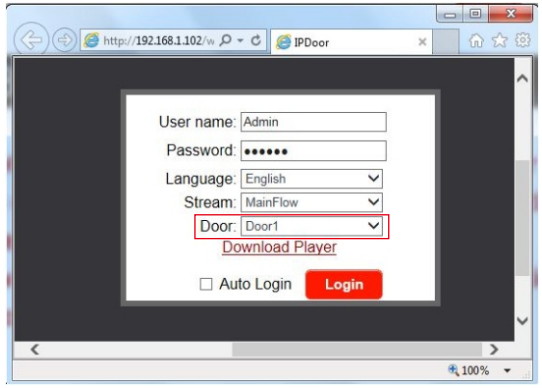


5.3.5 Event--Motion Detect

Note:

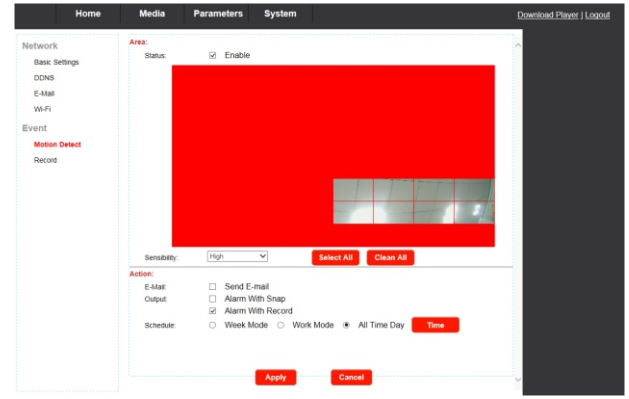
The motion detection function only supports for one channel, it means that when activating motion detection function of the Door 1, the motion detection function of the Door 2, camera 1 and camera 2 can't be activated at the same time. User can set up the motion detection parameters through IE browser or the uCarehome app.

If you want to enable the motion detection function for Door 1, on the login window on PC, first you must choose Door 1, then enter into the motion detect setting menu to set up the corresponding parameters.

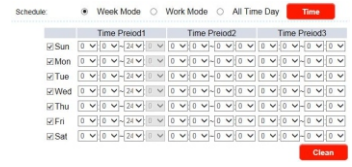


When the motion detection function of Door 1 has been activated, and you want to enable the door 2's motion detection function, on login window you must choose Door2, and enter into "Motion Detect" menu to adjust parameter value and save. Then Door1's motion detection function will be disabled, and door2's motion detection function will be activated.

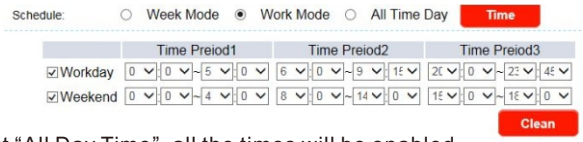
Click "Parameters—Event—Motion Detect" to access the "Motion Detect" menu and the dialog window where Enable Switch, MD Area, Sensibility, E-Mail, Alarm Output and motion detection schedule settings can be set will be appear.



1) **Status:** '☑ Enable ' indicates that the motion detection alarm of the login channel is enabled.
2) **Sensibility:** There are four levels: "very high", "high", "Normal" and "Low", and with "very high" being the highest level of sensitivity.
3) **MD 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.
   Users can left-clicking and then drag the frame to set the motion detection area. When viewing the selected channel's coverage area using the MD Area option, the red area is where motion detection is activated, and transparent block is the area where motion detection is not activated. Click "Select All" to activate all the areas, and click "Clean All" to cancel all the areas.
4) **Action-E-Mail:** " ☑ Send E-mail " indicates that it will be sent to the pre-registered email address if an alarm has been triggered by motion.
5) **Action-Output:** "☑ Alarm With Snap " indicates that a picture of the channel will be captured when an alarm has been triggered by motion. "☑ Alarm With Record " indicates that a video of the channel will be recorded when an alarm has been triggered by motion.
   Note: The motion detection alarm video record can be played back via IE browser or "uCareHome" app. Snapshots of trigger motion detection alarm can be played back via IE browser.
6) **Action—Schedule:** Users can set up "motion detection schedule mode", and there are three modes: "Week Mode", "Work Mode" and "All Time Day". The device will trigger the alarm only during the armed time period.
   If users select "Week Mode", click "Time" to access the interface as follows. Users can set up three different time period from Sunday to Saturday, the max number of time span is 24.



If users select “Work Mode”, click “ Time ” to access the interface as follows. Users can set up three different time period on workday and weekend, the max number of time span is 24.



If users select “All Day Time”, all the times will be enabled.

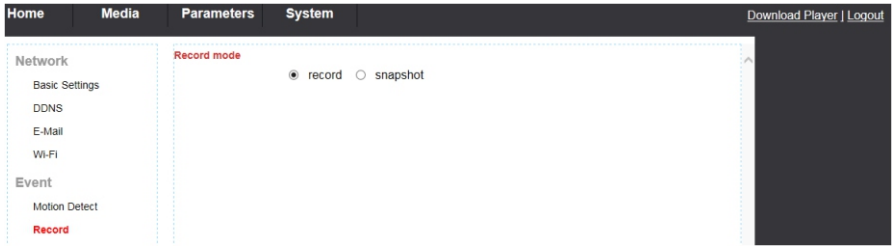
Note: Please make sure the device system time is correct before you set the alarm time period.

Notice: When the motion detection alarm function is enabled, the motion detection alarm can be triggered after the indoor monitor is in standby mode for 30s. If a motion detection alarm is triggered, the screen will be highlighted and the motion icon will be shown.

5.3.6 Event--Record

Click “parameters-Event-Record” to access the setting menu to set up record mode when calling on the doorbell as follows. Modes include “record” and “snapshot”. For the record mode, the whole process will be recording from the start of a call. For the snapshot mode, if a visitor calls on the outdoor camera, the first picture will be captured.

The video record can be played back via IE browser or the “uCareHome” app, and the snapshots can be played back via IE browser.



5.4 System

Click “System” to enter the parameters setting menu. This interface includes settings for User, Time setting, Initialize, Device info, Storage Device and System Logo.

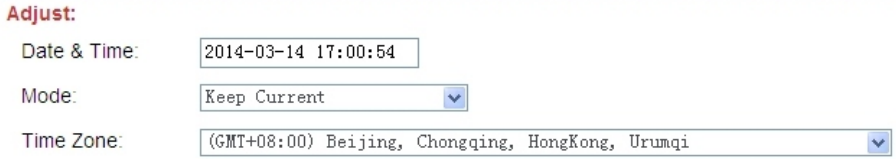
5.4.1 System-User

Click “System—user” to access user setting menu, the default username and password of administrator is “**Admin**” and “**888888**”. And the administrator can add seven guest users who can only monitor the live view and unlock for the indoor device via IE browser remotely.

5.4.2 System-Time Setting

Click “System—Time setting” to access time setting menu. There are four types of time mode: keep current, manual, Sync with computer time and Sync with NTP.

1) “**Keep Current**” means the system time won't be changed.



2) “**Manual**” means adjust time manually. Users need to enter date & time and time zone manually.

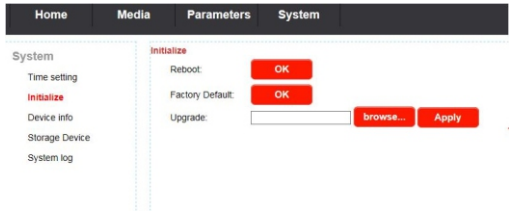
3) “**Sync with computer time**” means through this apply to sync IPC system time to local PC time.

4) “**Sync with NTP**” will choose a same time zone with the NTP server automatically. Server name is the NTP server host, and the interval of refresh time includes 1 hour, 2 hours, 12 hours and 24hous. Save all parameters, then it will update as a network clock.

5) **Delay push(s)**: From this field, user can adjust delay duration time of alarm push for visitor calling when nobody answers on the indoor unit, and values can be set from 0 to 60s. For example, to select 5s, if visitor presses the call button on the outdoor camera, the message will be pushed onto the master’s phone after 5 seconds when nobody answers on the indoor unit.

5.4.3 System-Initialize

Click “System—Initialize” to access initialize setting menu. This interface includes settings for Reboot, Factory Default and Upgrade.

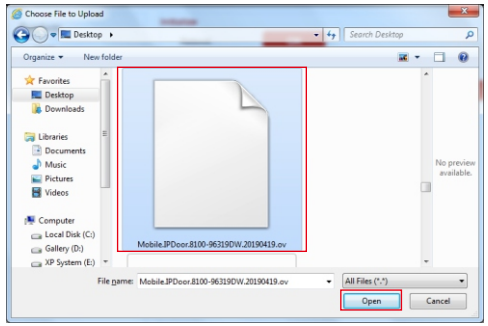


1) **Reboot**: Click “ OK ”, it will pop-up a message window “**the device will be rebooted. Are you sure?**”, and click “OK” to restart the equipment.

2) **Factory Default**: Click “ OK ” , it will pop-up a message window “**Set up data will be initialized. Are you sure?**” Click “OK” to restore all the parameters to the default settings except IP address.

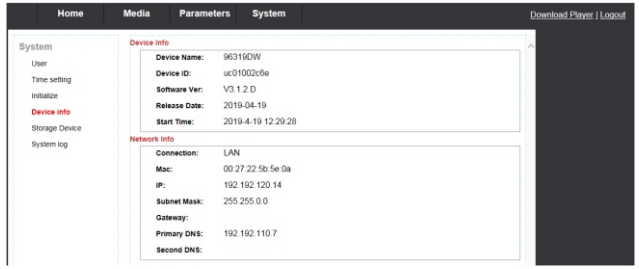
3) Upgrade: Click “ Brower... ” to select the firmware file for upgrading, for example, the firmware file such as “Mobile.IPDoor.8100-96319DW.20190419.ov” is on the desktop. First choose the firmware file, click “ Open ”, and it will be shown as “ Upgrade: C:\fakepath\Mobile.IPDoo browse... Apply ”, then click “ Apply ” to upgrade the equipment whether or not. After the upgrading, the equipment will restart.

Note: During upgrading, please don’t power off the indoor monitor, the monitor will auto-reboot after completing upgrade.



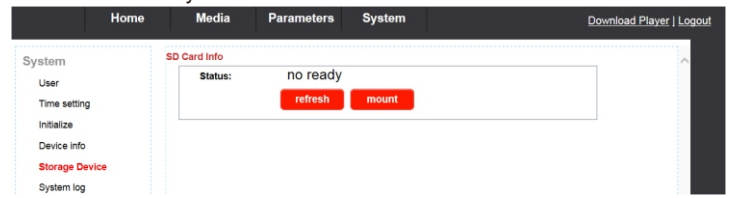
5.4.4 System-Device Info

Click “System—Device Info” to enter the “Device Information” menu as follows. The information included accessible through this interface includes: Device Info (Device Name, Device ID, Software Version, Release date and Start Time), Network Info (Connection, Mac, IP, Subnet Mask, Gateway, Primary DNS and Second DNS).



5.4.5 System-Storage Device

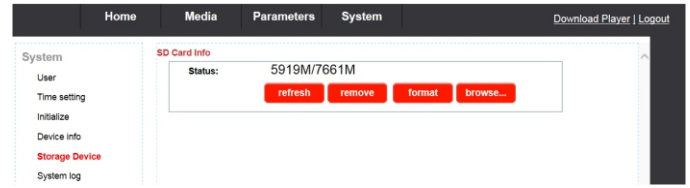
Click “System—Storage Device” to enter the interface of SD card information as follows. If the indoor monitor doesn’t detect an TF card or there is no TF card plugged in, the option “status” will show “no ready”.



If a TF card has been detected on the indoor monitor, the option “status” will be shown as below.

User can remove the TF card, format the TF card and playback the video record and snapshots.

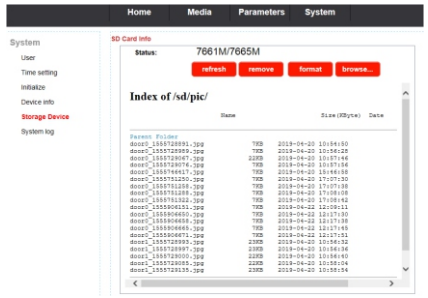
Suggest that it’s better to format the TF card for the first time before using. And the TF card maximum support 64GB.



Click “ refresh ” to refresh the SD card status. Click “ remove ” to make sure to remove the SD card whether or not. Click “ format ” to make sure to format the SD card data whether or not. Click “ brower... ” can preview files in the SD card, the “011” file is used to store video record, the “pic” file is used to store snapshots.

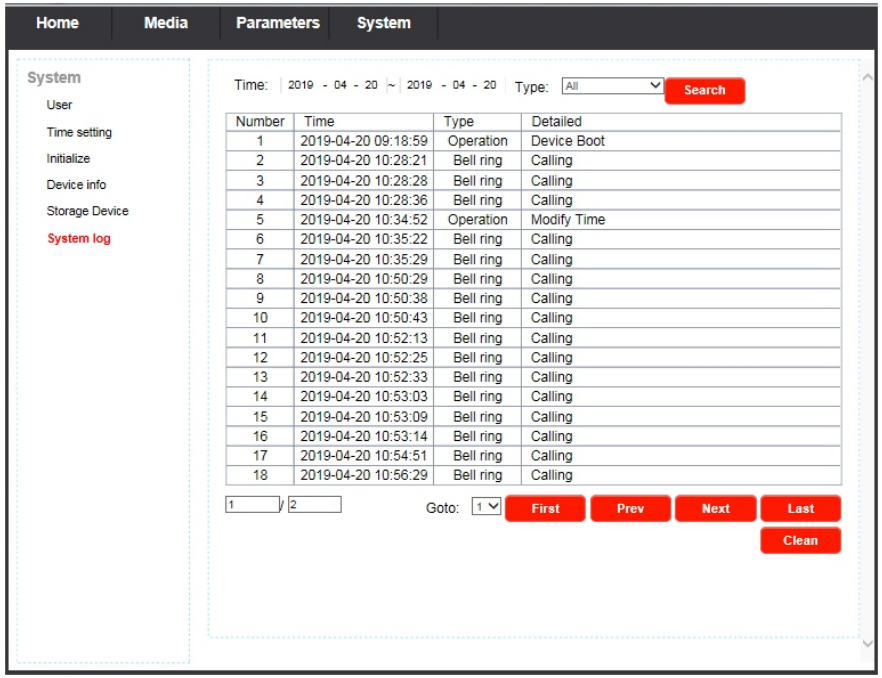
According to the following figure for example, click “011->20190420->rec001” to enter into the record list. Click one on the list to playback the record. Click “Parent Folder” to return to the parent directory.

Click “pic” to enter into the snapshot file list. Click one on the list to playback the snapshot.
Click “Parent Folder” to return to the parent directory.



5.4.6 System-System Log

Click “System—System Log” to enter the “system log” menu as follows.
At the top of the “Log Search” page are the following filters to facilitate locating the desired file(s):
[**Time**]: Set the starting time and the ending time of the log being searched for.
[**Type**]: Choose from the following options: “All”, “Operation” and “Bell ring”.
Click the “ Search ” button after setting the log time and type, and the system will display the selected log in the list. Click “ First ”, “ Prev ”, “ Next ”, “ Last ” to navigate pages, and click “ Clean ” to delete all the log lists.

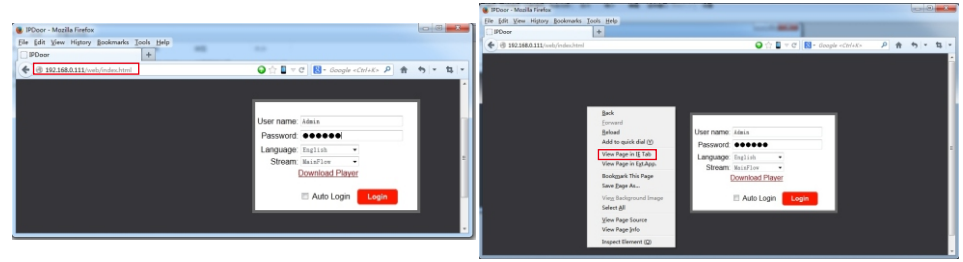


5.5 Logout

Click “Logout” to log out of the system.

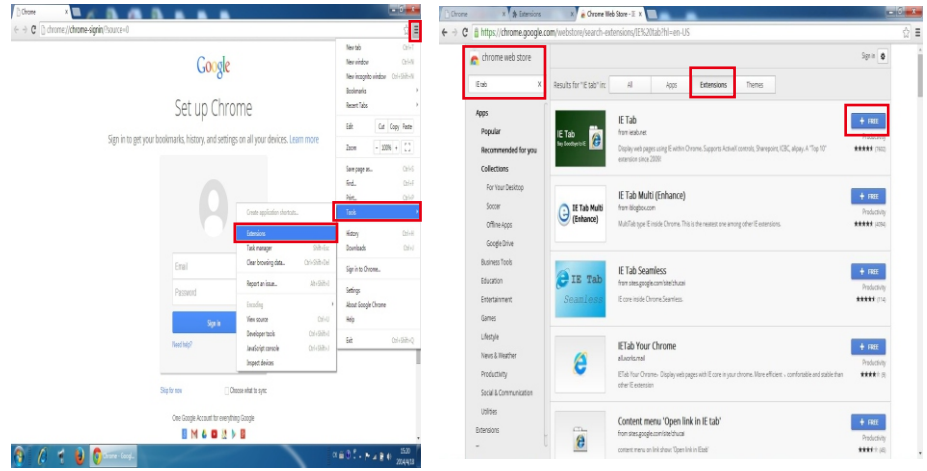
Appendix 1. Accessing the indoor monitor via Mozilla Firefox

1. First, install Firefox on Windows(This document will use Firefox 28.0 as an example).
2. After installing Firefox, please search for the “IE Tab” add-on for Firefox, which can be downloaded from Firefox browser.
3. Open Firefox, click “Tools-->Add-ons” to enter into the interface of “Get Add-ons”, and search for “IE Tab”, all the IE tabs will be shown on the list for “Available Add-ons”. Choose one and install it, this document will use IE Tab 2(FF 3.6+)5.12.12.1 for example.
4. After installing the IE Tab, user need restart Firefox browser.
5. Open Firefox and enter the indoor unit IP address in the address field. Right-click at blank, select “View Page in IE tab”. The indoor unit can now be connected successfully.



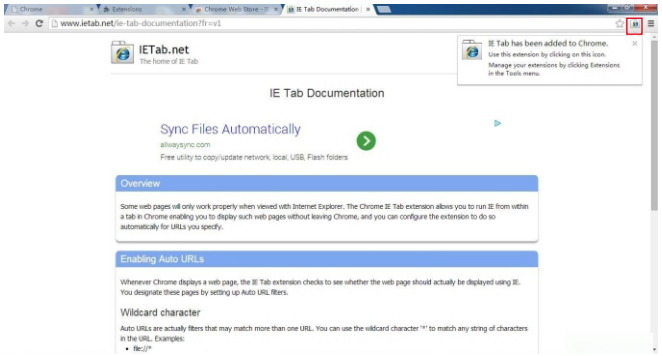
Appendix 2. Accessing the indoor monitor via Google Chrome

1. First, installing Google Chrome Browser on Windows(this manual will use Chrome version 34.0.1847.116 m as an example).
2. After installing Google Chrome, search for the “IE Tab” add-on for Chrome, which can be downloaded from the Chrome Web Store.
3. Opening Chrome, click “ ☰ Customize and control Google Chrome->Tools->Extensions-> browser the gallery” to enter the “Chrome Web Store” interface to search for “IE Tab”, and results for IE tab in Extensions will appear on the right side. Choose one to install it and it’s free for installation(Shown as below).

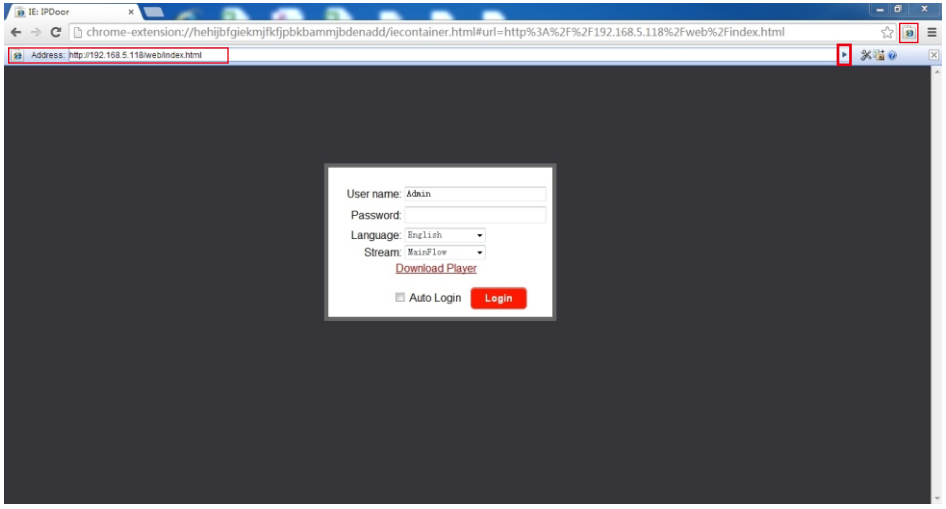


4. During installation, the following figure will appear, click “Add” to confirm to install “IE Tab” add-on.

5. After complete installation, the icon “ ” will appear on the right top of the browser interface (Shown on the red frame as below), and it means that IE Tab has been added to Chrome browser.



6. Click the icon “ ” on the right of the address field to display the Chrome web page in an IE-based page, and fill in the IP address of the indoor unit on the IE-based address bar, then click the icon “ ” to access the remote device, fill in the correct user name and password to log in. Default user name and password are “Admin” and “888888".(shown on the red frames as below)



Appendix 3. How to ensure reliable remote viewing of the indoor monitor through IE browser on Win 7/Win 8 64bit OS

1. Run 32bit IE on Windows OS (64bit)

Note: On a 64-bit version of a Windows operating system, there are two versions of the Internet Explorer files:

* The 64-bit version is “C:\Program Files\ Internet Explorer \iexplore.exe”.
* The 32-bit version is “C:\Program Files(x86) \ Internet Explorer \iexplore.exe”.
* Please run the “C:\Program Files(x86) \Internet Explorer \iexplore.exe”.

2. Run Internet Explorer as the Administrator

1) Open folder path “C:\Program Files(x86) \Internet Explorer”.
2) Right click the Internet Explorer icon and choose "Run as Administrator".
3) Click "Continue" in the User Account Control window to grant administrator access to Internet Explorer.

3. Fix site display problems with Compatibility View

Sometimes a website you're visiting doesn't look like you expect it to. Images might not show up, menus might be out of place, and text boxes could be jumbled together. This can be caused by a compatibility problem between Internet Explorer and the site you're on. When a site is incompatible with Internet Explorer, you'll see the Compatibility View button in the Address bar. You can only turn on Compatibility View in Internet Explorer for the desktop.

A. To turn on Compatibility View

1) See if the Compatibility View button appears in the Address bar. (If you don't see the button, there's no need to turn on Compatibility View.)
2) Tap or click the Compatibility View button to display the site in Compatibility View.

Once you turn on Compatibility View, Internet Explorer will automatically show that site in Compatibility View each time you visit. You can turn it off by tapping or clicking the button again. Or, you can clear the entire list of sites using Compatibility View by deleting your browsing history.

B. To clear the list of Compatibility View sites

Not all website display problems are caused by browser incompatibility. Interrupted Internet connections, heavy traffic, or problems with the website can also affect how a page is displayed. If you're having other problems on a site, such as playing videos, read Video won't play in Internet Explorer.

The Compatibility List is frequently updated, and Internet Explorer automatically downloads these update. This list includes sites that might've been designed for older or other browsers, sites that use Adobe Flash Player, and other settings that help give you a better browsing experience. If you don't want these updates, you can turn off Compatibility List Updates at any time.

C. To turn off Compatibility List Updates

1) Open Internet Explorer in the desktop.
2) Press the Alt key to display the Menu bar (or press and hold the Address bar and then select Menu bar).
3)Tap or click Tools, and then tap or click Compatibility View settings.
4) Clear the Download updated compatibility lists from Microsoft check box, and then tap or click Close.

D. To change Compatibility View settings

1) Open Internet Explorer in the desktop.
2) Press the Alt key to display the Menu bar (or press and hold the Address bar and then select Menu bar).
3) Tap or click Tools, and then tap or click Compatibility View settings.

OPERATION INSTRUCTION
Video intercom system

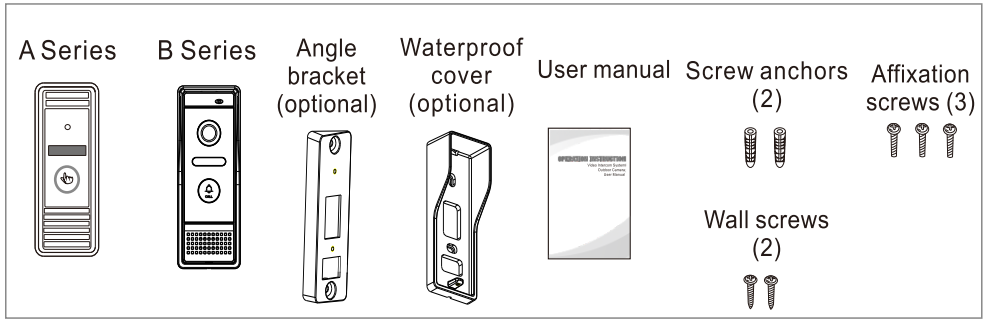
Outdoor Camera

User Manual

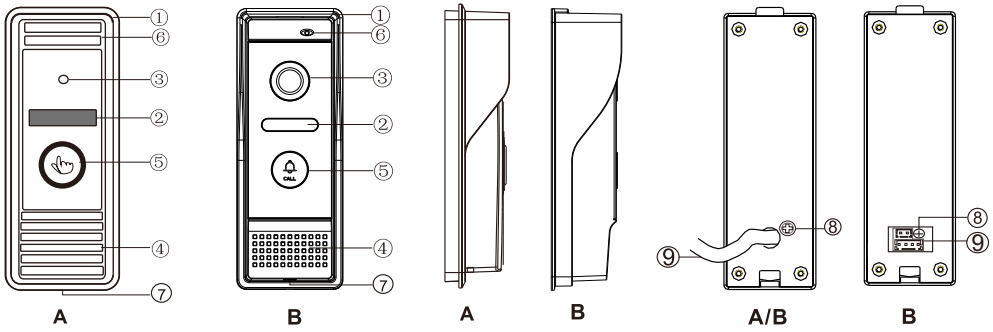
1 Safety Instructions

※ 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)

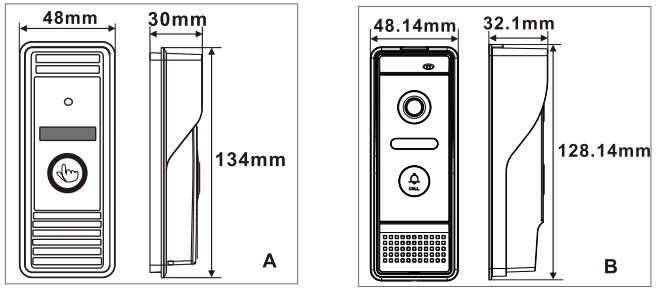


3 Overview



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

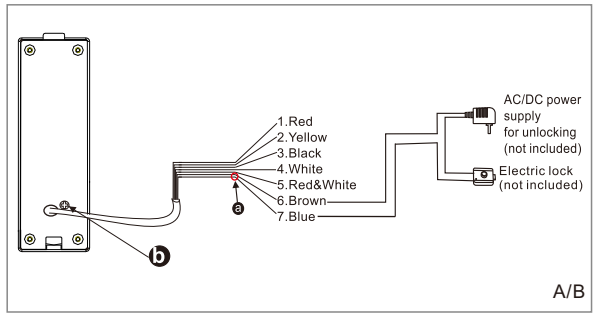
4 Specifications

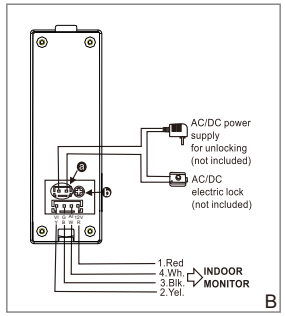


Camera	1/4 inch CMOS camera
View angle	100°
Definition(Hor.)	1200 TV Line
LEDs for night	IR LEDs(60°)
Power consumption	200mA max.
Power supplier	Supplied from indoor unit
Operation temp.	-20℃~+60℃
Installation	Surface mount/Angle mount

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.

6/7. Brown/Blue: To door lock.

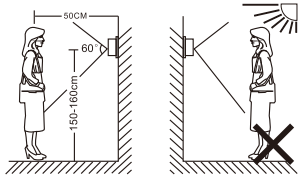
ⓐ Dry contact

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

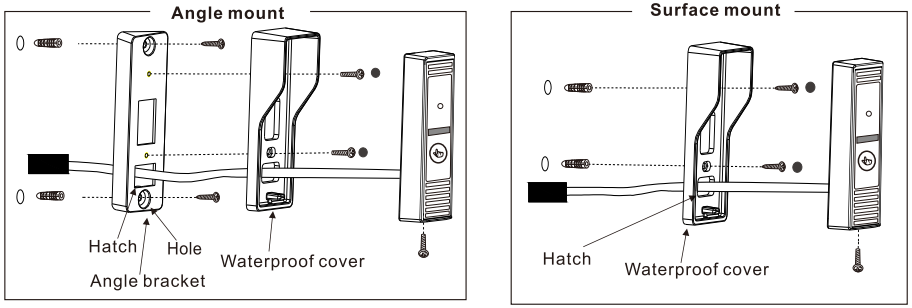


NOTE:

- 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



Note on lock connection

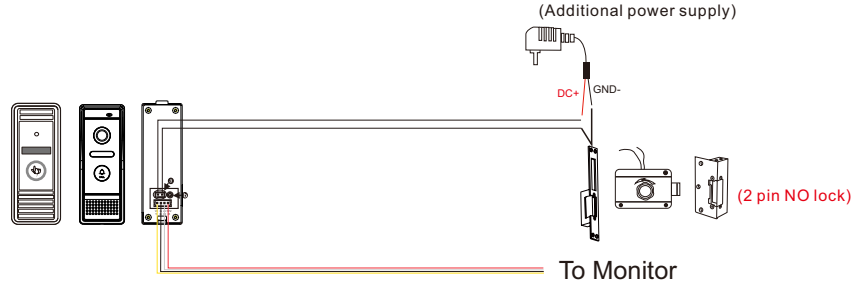
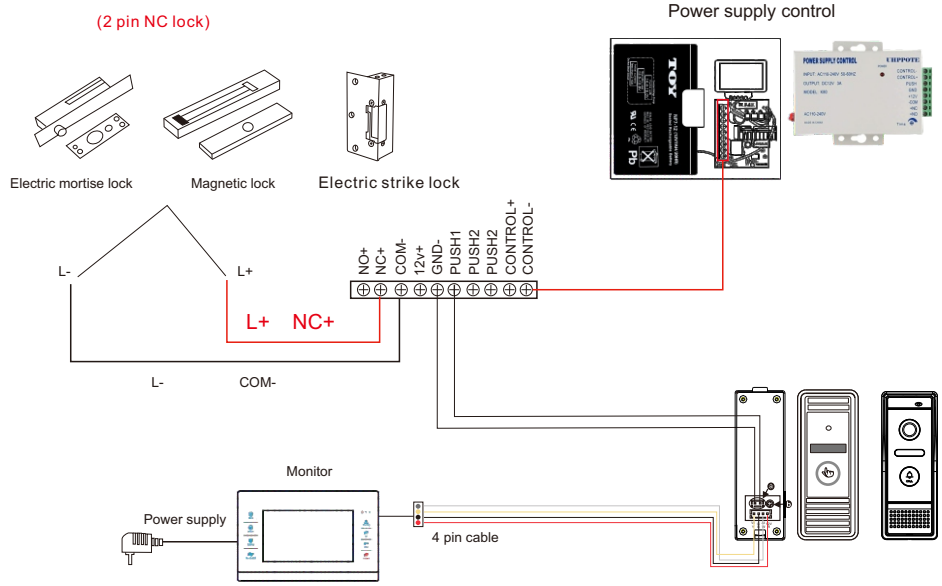
The electric lock usually divide NC lock and NO lock, their wiring is different to our doorbell,the NC lock need to work with the additional power supply control.

Note:

1.The doorbell or the monitor will not provide the power to door lock.
2.The doorbell can support door locks within 30V.
3.Door lock's power supply depends on its door lock, if the door lock is 12V, the corresponding power supply is 12V, etc.

NO : Normally open
NC: Normally closed

1 NO Lock connection



2 NC Lock connection (Need add power supply control)