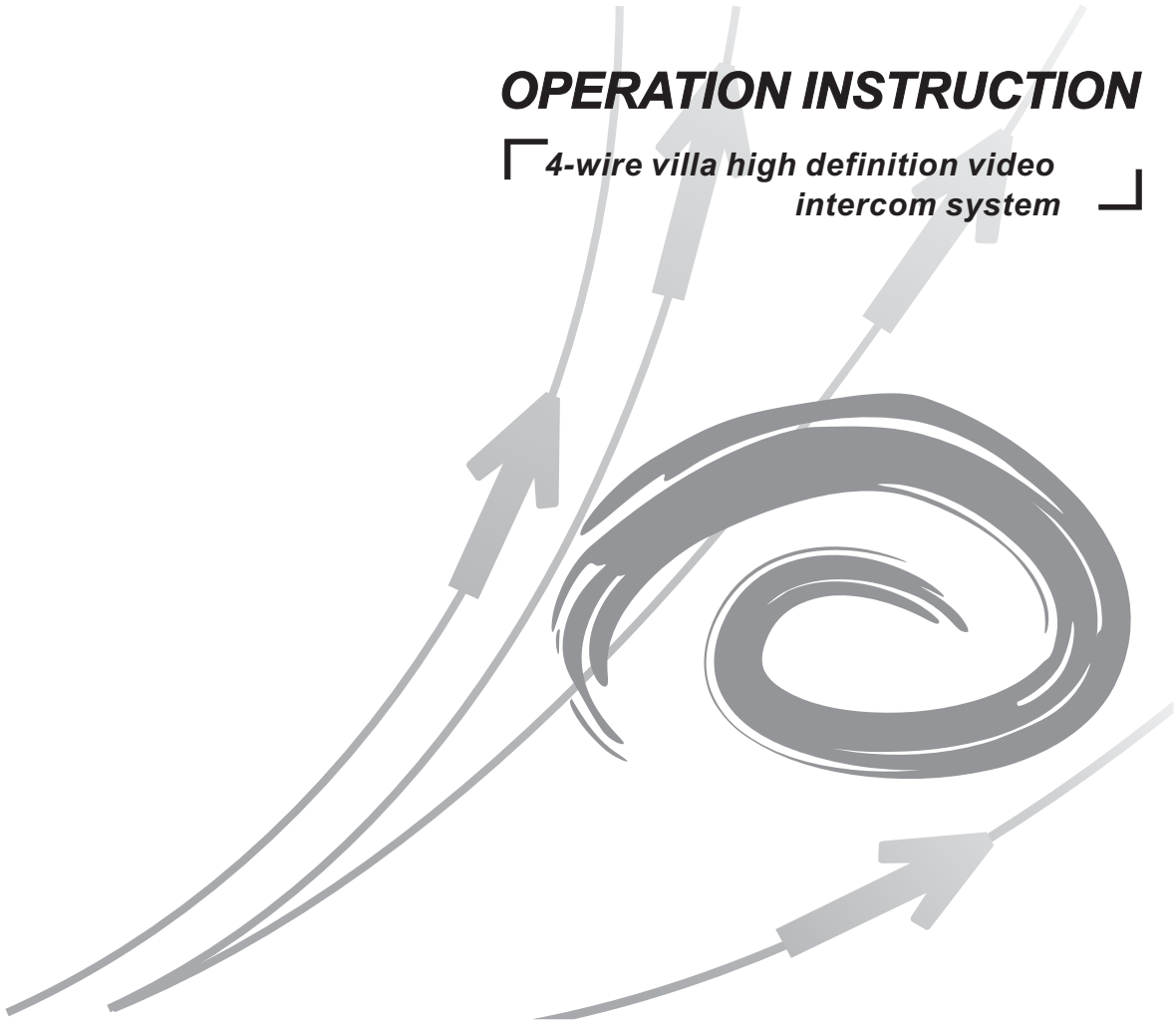
OPERATION INSTRUCTION

4-wire villa high definition video intercom system



LIMITATION OF LIABILITY

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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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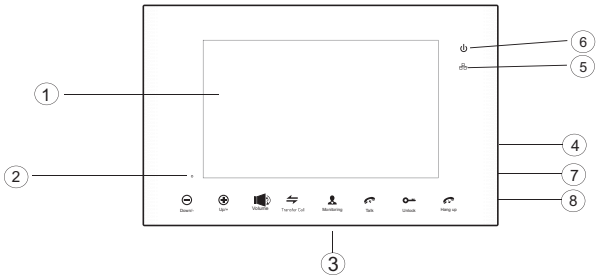
1. Description Of The Indoor Unit

1.1 Description On The Indoor Monitoring



NO.	Name	Descriptions
1	TFT display	View visitor’s image displayed on the TFT screen
2	Microphone	Transmit the voice to outdoor camera
3	Operation buttons	Human body sensor touch buttons
4	Speaker	Sound from outdoor camera
5		Network LED
6		Power LED
7	USB Port	To connect the USB mouse to the device
8	SD Port	SD card interface, support up to 32G SD card for recording.

1.2 Description On LED Indicator

In the panel you can find out three LED indicators , with the detailed descriptions, please see the below:

LED 1

The power indicator of the indoor unit

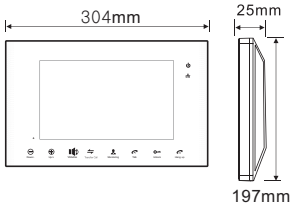
LED 2

Network link LED, LED lights indicate that the device connected to the Ethernet.

1.3 Description On Symbol

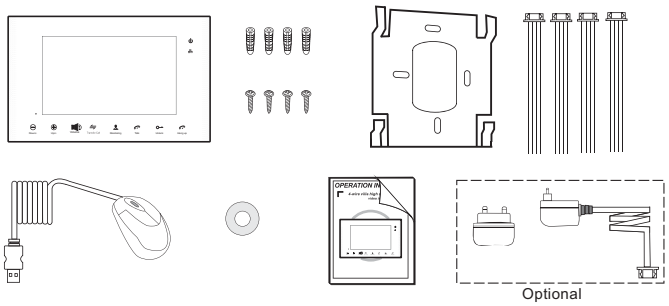
1	Transfer Call	Call transfer to other indoor monitor/ Watch the outside image from the external camera under the standby model
2	Monitoring	Observe the image of camera view at entrance in real time
3	Unlock	Release the door lock
4	Talk Hang up	Activate conversation mode by pressing this button
5	Volume	Adjust volume
6	Up+	Increase volume
7	Down-	Decrease volume

1.4 Specifications of the Indoor Unit



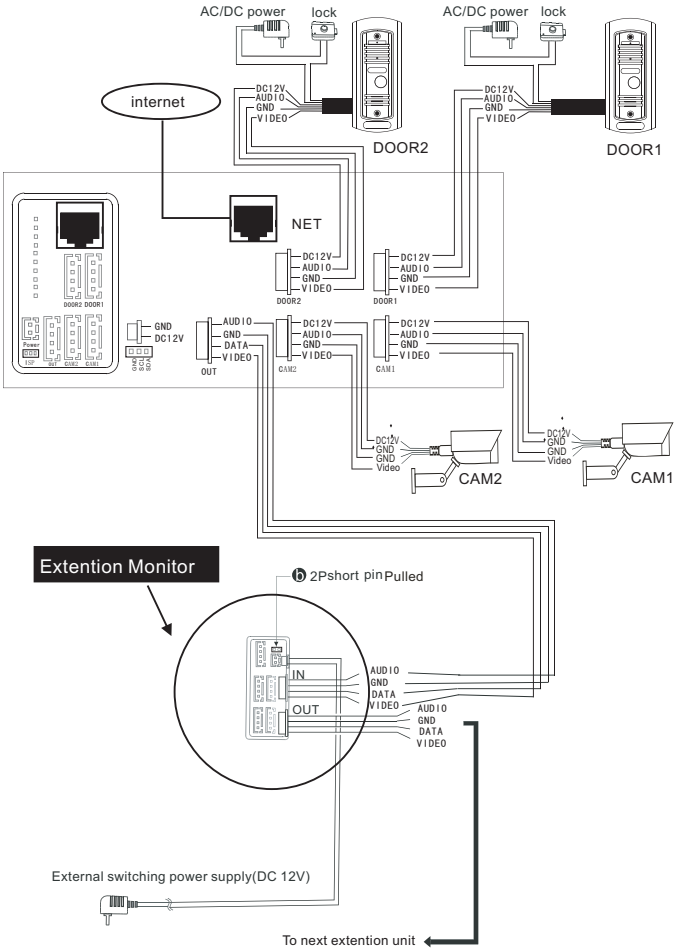
Display	10.1 inch TFT LCD(16:9)
Resolution	1024(H)X3(RGB)X600(V)
Video system	PAL/NTSC compatible
Intercom mode	Semi-Duplex communication
Conversation duration	120 seconds
Standby status	1A max.
working status	1.5A max.
Power supply	D C 12V /2 A Built-in switching power supply (apply to AC100V-240V)
Operation temp.	-10~+60℃
Installation	Surface mount
Dimensions	304*197*25mm

1.5 Fitting for the Indoor Unit



- Indoor Unit ---------- 1 pcs
- Plastic Anchors ---------- 4 pcs
- Screws ---------- 4 pcs
- Bracket ---------- 1 pcs
- 4 Pin Line ---------- 4 pcs
- TF Card for SD Card Sets ---------- 1 pcs
- This Quick Guide---------- 1 pcs
- External Switching Power Adapter(optional)---------- 1 pcs
- USB Mouse(optional)---------- 1 pcs
- Remote Control(optional)---------- 1 pcs
- Installation CD(with full manual and android mobile phone software)---------- 1 pcs

1.6 Wiring Diagram



1.7 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 you 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 note that the 2P Short Pin is designed for programming the indoor monitor , the indoor monitor will be programmed to main monitor if you plug the 2P Short Pin in; however the indoor monitor will be programmed to extension monitor if the 2P Short Pin is pulled out. Setup ok, after power machine automatically detects, if it is in state machine work Set, need makes the machine to detect electric

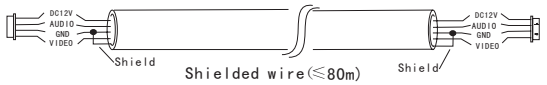
Indoor machine power with a built-in power and the external power optional. Please refer to actual control using .If the indoor machine with a built-in Power Source, Applicable to wide voltage range （AC100V-240V）. Please first pull out the AC power plug before installation of device(shown as Below).

Use and selection of wire, please refer to the following.(The actual effect and the quality of wire rod has the very big relations)

1. 4C ordinary unshielded and shielded wire connection mode:

Distance≤28m（4*0. 2mm^2）;Distance≤50m（4*0. 3mm^2）;Distance≤80m（4*0. 5mm^2）.

Unshielded wire(≤50m)



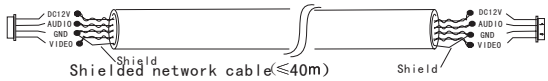
Shielded wire(≤80m)

2. 3C ordinary unshielded +video wire（75-3）connection mode:

(≤100m)

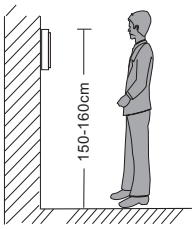
3. CAT5 or CAT6 network cable connection mode: （Not recommended）

Unshielded network cable(≤20m)



Shielded network cable(≤40m)

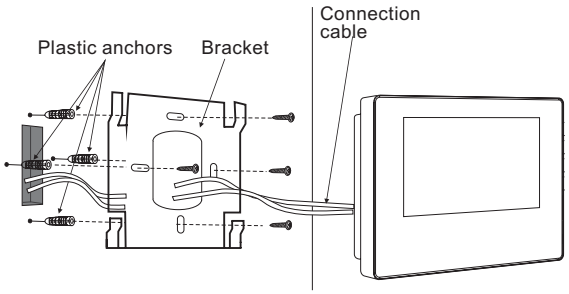
1.8 Installation Process of Indoor Units



NOTE:

* **Avoid installation of the device near strong radiation e.g. TV set, video recorder 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:



1.9 Operation Introduction

◆ 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

A 10s of continuous Ding Dong tone is heard inside and outside

The visitor' s image automatically displayed on the screen

Press the **talking** button

Stop ringing

Start conversation with outdoor camera

The conversation duration is 120s at a time

Press the **unlock** button on indoor monitor

release the door lock

Press the **Hang up** button on indoor monitor again

End

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

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 but third brief of tone will be heard on indoor monitor.

If the camera of outdoor unit is masked, and can't see the image. Press this button to watch the image from camera. Press it again to back to the image of outdoor unit.

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.

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

◆ MONITORING

＊ Please be aware of Connection of 2 outdoor cameras to 1 indoor monitor is required for dual entrance monitoring at least.

Standby mode

Press the **monitoring** button on indoor monitor

display image from 1st outdoor camera on the screen.

monitoring duration is up to 60s at a time

Press the **talking** button

Start conversation with outdoor camera

Press the **talking** button again

Press the **monitoring** button on indoor monitor again

display image from 2nd outdoor camera on the screen.

Press this button once more to return to standby mode

Press the **unlock** button to release the door lock

End

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.

Please note that if you are using two outdoor cameras ,but it appears a blank display when you are activating the monitoring mode on either of indoor units, to completely solve this accident, please pull out all power supply of indoor unit and then plug in power supply back after 10s later .

If you are using two indoor unit ,you can also activate monitoring mode on other indoor unit, the same image will be displayed on the screen respectively. Displaying which image on the screen depends on which outdoor unit is being activated from indoor unit or which the monitoring button is pressed last.

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. you can press the **talking** button to reactivate conversation with the visitor ;for more detailed operations, please refer to **VISITOR CALL** on page 11.

◆ CALL TRANSFER TO OTHER EXTENSION

* At least 2 indoor units is required

Outdoor camera call indoor monitor and conversation is underway

▼

Press this button to access **Call transfer to other extension**

▼ A continuous Ding Dong tone is heard

Press the **talking** button on any of indoor units

▶ Start conversation with outdoor camera

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 Ding Dong tone and the video image will appear on its screen.

NOTICE:
To release door lock , end conversation; please refer to page 11 as reference.

◆ INTERNAL COMMUNICATION AMONG INDOOR UNIT

* At least 2 indoor units is required

Standby mode

Press the **talking** button

▼ A continuous Ding Dong tone is heard

Press the **talking** button on any of indoor units

▼

Start conversation among indoor units

▼

Press the **talking** button again

▶ 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 **talking** button to reactivate conversation with the visitor ; for more detailed operations, please refer to **VISITOR CALL** on page 11 .

2. System Settings For Indoor Units

2.1 Mouse Control

User can use a mouse to operate the device. The mouse operates just like a mouse on a typical computer. To start, connect the mouse to the USB port on the side panel of the indoor unit; note that you can hot-plug the mouse.

Right-clicking	1. In live view, right-clicking will either display or hide the toolbar. 2. From the main menu or a sub-menu, right-clicking will exit the current menu. 3. In video playback, right-clicking will either hide or display the control bar.
Left-clicking	1. In menu unlock mode, left-clicking on the SETUP icon in the tool bar will open the main menu. 2. After entering the main menu, left-clicking will open sub-menus. 3. By left-clicking, you can select values in edit boxes or pull-down menus. The system supports the input of Chinese characters, and other special symbols, numbers, and letters. 4. Left-clicking can be used to access the color control bar, the volume control bar, and the screen control bar. 5. From the main menu, sub-menus, or playback view, left-clicking “x” will exit the current menu. 6. Left-clicking can also be used to select menu items.
Double-clicking left mouse key	In live view or video playback, double-clicking will maximize the screen.
Mouse Drag	In the motion detection setting interface, you can left-clicking and then drag the frame to set the motion detection area.

2.2 Tool Bar

Single-click the right-hand mouse button, and it will display the following toolbar.

2.3 Tool Bar Menu Options

2.3.1 Setup

After clicking this button “ ”, a screen for configuring all system settings will appear. From this screen, system, video playback, scheduling, alarm, maintenance, user and default information can be adjusted.

Note:
1. If there is no " " button in the sub-menu, in order to for changes to sub-menu settings to take effect, it is necessary to return to the "save" menu to click " ". Changes to the sub-menu settings will not be saved if you do not click " " and exit the sub-menu immediately afterward.
2. If there is a " " button in the sub-menu, users need to click the " " button to save parameters in the current window.

3 . A special feature of this device is that an explanation of each menu item will be displayed automatically when the cursor is moved over it.

2.3.2 Manual Recording

There are two ways of recording live video/audio feed from your cameras: manual recording and scheduled recording.
If scheduled recording is in conflict with manual recording, the manual recording will be processed first until stopped.
For a detailed description of scheduled recording, see **Section 2.4.3 Record Scheduling.**
In order to manually record a video/audio feed, click the " " button from the "Tools" menu. Clicking " " again will stop the recording process.

2.3.3 Video Playback

To start video playback, first move the cursor to " " (the icon will be highlighted when selected) and left-click it to enter the settings menu. And left-clicking the "x" button will exit the current window, or move the cursor to the ""x" button and left-click it to exit.

Input the date and time, click " " and the recording status on that date will be displayed. The calendar on the above figure will show all the recordings in a given month. A background on the calendar indicates that there was recording on the day. Click any date in this frame to search by the recording files of that day, and the search results will be shown in the file frame.

On the file list, "Channel" shows which channel the file was recorded under, "Time" shows the recording time, and "Size" is the size of this file (listed in MB). An orange list indicates this recording file is a motion detection recording file, and a black list indicates this file is a normal recording file.

Move the cursor up or down to select the files, left-click to enter the playback menu. It will play the video from a single channel in full-screen view. When the selected files finish, the screen will return to the file list menu.
Clicking " " button to enter into the first page, clicking " " button to previous, clicking " " button to the next page, and clicking " " to the last page.

Note:
1. After moving the cursor up or down and selecting the files, left-click to enter the playback menu. It will play the video from a single channel in full-screen view.

2. When the selected files finish, the screen will return to the file list menu.

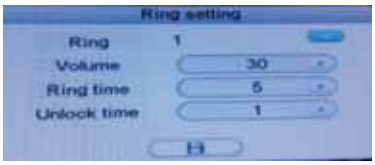
Playback Control

In playback mode, users can view the playback control panel as well as the date and time of the file being played.

The following are the functions of and options for the items in the playback control panel:
- Play
- Pause
- Minimize the control panel.
- Exit from playback and return to the former menu.

2.3.4 Ring Setting

Single Click " " on the tool bar menu to enter the "Ring setting"menu.

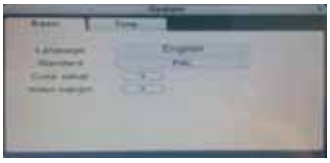


[Ring]: Click the icon " " on the right side of the option to adjust the ring type.
[Volume]: To set up the volume of the ring, values can be set from 15 to 30.
[Ring time]:To set up the ring time of the ring, values can be set from 5 seconds to 30 seconds.
[Unlock time]: Options can be set up from 1 second to 10 seconds.

2.4 Menu Options

In order to modify or adjust the system configuration, it is necessary to enter the "Setup" menu; to do this, click the "Setup" icon ( ) in the "Tools" Menu.
After clicking the "Setup" icon, a dialog box with settings for all of the systems and options available for the device will appear. The settings are divided into nine subsections: "System", "Playback", "Network", "Scheduling", "Alarm", "Maintenance", "User", "Default" and "Information". The following are detailed descriptions of these settings.

2.4.1 System



Move the cursor to the "System" icon and left-click to enter the "System" menu. System setup includes: "Basic configure" and "Time".

2.4.1.1 System-Basic

Basic configure includes: “Language”, “Standard”, “Color Setup” and “Video margin”.

[Standard]: From this field, select the system output type that is consistent with camera input, i.e. PAL or NTSC.

[Language]: Use this field to change the language of the device menu text and the on-screen display.

[Color Setup]

Click “ ” to enter the “Color Setup” menu. From this menu, the video color attributes can be adjusted for the best image quality. By default, the values are set at 31, as this is the median value. Make adjustments to the chroma, brightness, contrast, and/or saturation as appropriate depending on the actual conditions at the location where the camera is installed.

Click the vertical bar on the slide bar and drag the cursor to the left or right along the slide bar to set color attributes. Once the color attributes have been set, click “ ” to save the settings.

[Video Margin]

Click “ ” to enter the “Video Margin” menu, the entire video screen can be moved up, down, to the left, and to the right using this option.

2.4.1.2 System-Time

[Date Format]: Left-click to switch the date format, include YY/MM/DD, MM/DD/YY and DD/MM/YY.

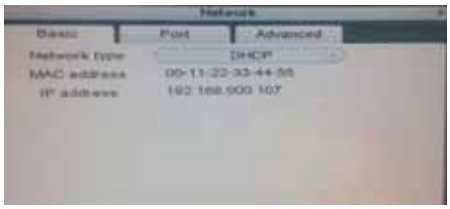
[Date]: Left-click to switch the numerical keypad, and set the date using the numerical keypad.

[Time Format]: Left-click to switch the time format from a 12-hour clock to a 24-hour clock and vice versa.

[Time]: Left-click to switch the numerical keypad, and set the system time using the numerical keypad.

2.4.2 Network

Move the cursor to the “Network” icon and left-click to enter the “Network” menu. Network setup includes: “Basic Setup”, “Port” and “Advanced”.



2.4.2.1 Network-Basic

［Network Link]: There are three options: “Static” and “DHCP”.

After selecting an Internet connection setting - such as static or DHCP – and allocating a port, users can access the device remotely via the Internet.

1）If static allocation has been selected, it is necessary to set up an IP address, a subnet mask, a gateway, and a Web port.

［IP Address]: Enter the IP address in this field.

［Subnet Mask]:Input numbers for the subnet mask.

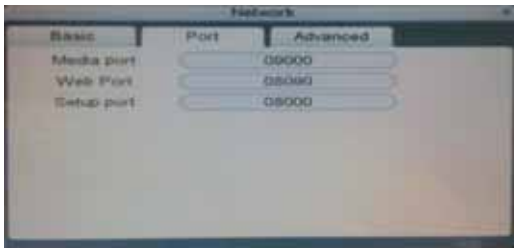
[Gateway]: Enter numbers for the default gateway.

［DNS Address]: Input numbers for the subnet mask in this field.

2）If DHCP is selected, the server will allocate an indoor unit IP address automatically.

NOTE: Save the IP address when selecting DHCP and the indoor unit 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.

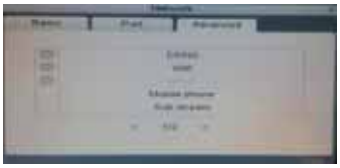
2.4.2.2 Network-Port



[**Media Port]:** Port for the private protocol of the device and computer; the default is “9000”. If this port is being used by other server, use another free port for the device.
[**Web Port]:** Sets up a Web browser port via HTTP. The default port number is “8090”, but the specific number is model-dependent. If Administrator changes the Web port, for example, “8088”, the port number should be added after the IP address, i.e. http://192.168.15.145:8088 should be entered as the IP address of the Web browser.
[**Setup Port]:** It's used to control the device. The default number is “8000”. User can specify a different port number.

2.4.2.3 Network - Advanced

In advanced menu, user can set up DDNS, Wifi, UPNP, Mobile phone, Sub Stream and IP firewall.“ ” indicates the selected option is enable. Click “ ” to enter into the next page, and click “ ” to the previous.
Note: User should enable the relevant function with “ “ before setup.



A. DDNS

“ ” indicates DDNS is enabled. Move the cursor to “DDNS” (the tab will be highlighted when selected) and single-click to enter the DDNS setup menu.

[Server]: There are three options: “3322”, “dyndns” and “easterndns”.
[**Host Name]:** In this field, enter the name of the host server.
[User Name]: In this field, enter the username.
[Password]: In this field, enter the password.

B. Wifi (Optional)

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 setup the parameters about Wifi manually. “ ” indicates Wifi is enabled. Move the cursor to “Wifi” (the tab will be highlighted when selected) and single-click to enter the Wifi setup menu.
Note: Through Wifi connection, the “Network Type” on the Network Basic interface suggested to be set as “DHCP”. When configure the parameters about WIFi, user can enter the network basic interface to view the indoor unit can be allocated IP address whether or not. If not, user must set up parameters about Wifi again.

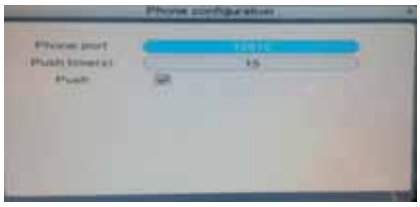
[SSID]: Input the effective wireless router SSID.
[Password]: If the password of the wireless router is enabled, the option should be adjusted to “ ”.
[AuthMode]: Options include “WPA-PSK” and “WPA2-PSK”.
[EncrypType]: Options include “AES” and “TKIP”.
[Key]: Input the password of the wireless router.

C. UPNP

“ ”indicates UPNP is enabled.

D. Mobile Phone

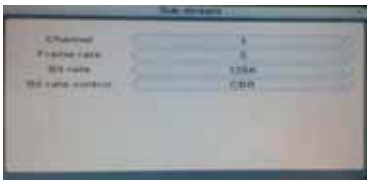
Move the cursor over “Mobile Phone” (the tab will be highlighted when selected), and single-click to enter the mobile settings menu.



[**Phone port]**: Mobile monitoring port. In this field, enter the relevant mobile port. The range for server ports is between “1024” and “65535”. The default is “10510”.
[**Push time(s)]**: From this field, select push time for motion detection or visitor calling.
[Push]: “ ” indicates the push function is to be enabled.

E. Sub Stream

Move the cursor over “Sub Stream” (the tab will be highlighted when selected), and single-click to enter the Sub steam menu.



[Channel]: After clicking the "Channel" tab, users can modify the settings of the camera connected to the selected channel. Users can modify the parameters of each channel independently.
[**Frame rate]**: For the PAL video output format, options include 5-25 frames. For the NTSC video output format, options include 5-30 frames.
[**Bit rate]:** There are 5 options: 64K, 128K, 192K, 256K and 384K.
[**Bit rate control]:** There are two modes for bit rate control: VBR and CBR. If users choose CBR mode, the video encoder will encode according to the bit rate you have selected. If users 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.

F. IP Firewall

Move the cursor over "IP Firewall" (the icon will be highlighted when selected), and single-click to enter the IP Firewall menu.

The options for IP access settings are: "disable", "Black list" and "White list".

2.4.3 Record Scheduling

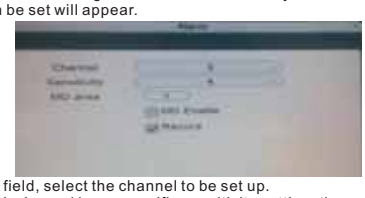
Click Setup"—"Scheduling"(the tab will be highlighted when selected) and single-click to enter the "Record Scheduling" menu.

[Channel]: Users can select channel 3 or channel 4.
There are three modes for recording: "MD", "Normal", "None". Different colors are used to identify the different recording modes: Orange refers to "MD record", green refers to "normal record", gray refers to "no record".
To set up weekly schedules, click on the box of the recording status to be used (Alarm, Normal, or No record) and then click on each box in the schedule timeline that this recording status is to be applied to. See the "Scheduling" screenshot in the preceding figure. Each gray block represents one hour on a 24-hour clock, i.e. the first block(next to each day of the week) represents the hour from midnight-01:00 AM and the last block (below the "23" on the right hand side of the screen) represents the hour from 11:00 PM-midnight. After setting up the record schedule, click the "" button at the bottom of the screen to save it.
Alternatively, left-click and drag the frames of the boxes in the schedule timeline where you want to.
Another way to set up schedules is to create a schedule for one day of the week, and then use the "Copy from" and "to" dropdown menus and "" copy button settings to apply the setting from one day to another day or a series of up to all seven days of the week. To do this, first create a schedule for one day. Then, from the "Copy from" dropdown menu, select the first day of the week that the schedule should apply to. Next, from the "to" dropdown menu, select the last day of the week that the schedule should apply to, and click "" copy button. For example, to set a schedule where the device uses MD recording from 2:00 AM until 1:00 PM, and normal recording from 1:00 PM until 10:00 PM on Tuesdays, Wednesdays, Thursdays, and

Fridays, the process would be as follows:
1. Click the orange box at the bottom of the screen to select "MD record." Then, in the row of gray boxes next to the "TUE." box, click all of boxes from the third box from the left to the box under the "12" at the top of the timeline(the box directly under the "12" should be selected) in order to select the hours between 2:00 AM and 1:00 PM.
2. Click the green box at the bottom of the screen to select "normal record." Then click all of the boxes in the same row from the box immediately to the right of the box under the "12" at the top of the timeline to the third box from the right to select the hours from 1:00 PM-10:00 PM.
3. The preceding steps set a schedule for Tuesday, which can now be copied to Wednesday, Thursday, and Friday. To copy it, from the "FROM" field, first select "Tues."
4. In the "To" field, select "Fri." and then click "" copy button.
5. To save this schedule, click the "" button at the bottom of the screen.
Regardless of whether the schedule is set for each day individually or by copying one schedule to multiple days of the week, it is necessary activate it by clicking the "" button. Without clicking the "" the schedule will not take effect.

2.4.4 Alarm

Click "Setup"—"Alarm"(the tab will be highlighted when selected) and single-click to enter the "Alarm" menu. And the dialog window where Sensitivity, MD Area, Enable Switch and record settings can be set will appear.

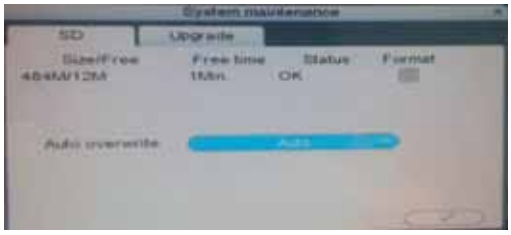


[Channel]: In this field, select the channel to be set up.
[Sensitivity]: Each channel has a specific sensitivity setting; there are eight levels, with "1" being the highest level of sensitivity; left-clicking to adjust the level.
[MD Area]: Sometimes, it is necessary to have some regions in the camera's 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. Each channel has a specific regional motion detecting setting.

Move the cursor to "" and then single-click.
When viewing the selected channel's coverage area using the MD Area option, the blue area is where motion detection is activated, and transparent block is the area where motion detection is not activated.
Left-click and drag the frame to set up the region for motion detection.
[MD Enable]: Each channel has a corresponding channel switch. "" indicates that the motion detection alarm of the selected channel is enabled.
[Record]: "" indicates that the selected channel will record if it has been triggered by motion.
Note: To select the option, please make sure that a SD card has been already inserted into the video data can be stored onto the SD card normally.

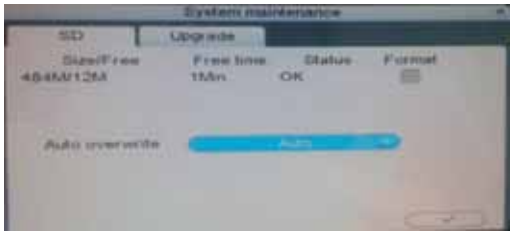
2.4.5 Maintenance

Click "Setup"—"Alarm"(the tab will be highlighted when selected) and single-click to enter the "System Maintenance" menu. Options include "SD Management" and "System Upgrade".



2.4.5.1 SD

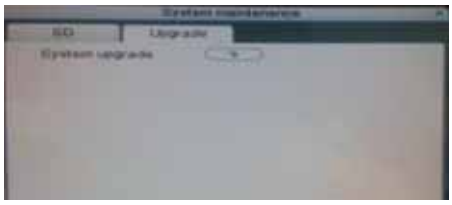
To enter the “System Maintenance”, select “SD” (see adjacent figure).



[Size/Free]: This field indicates amount of space available and the amount of unused space available on the SD card.
[Free Time]: Indicates remaining recording time on the SD card.
[State]: There are three available statuses: “OK” and “No SD”.If a new SD card is used with the device for the first time, please format the SD card.
[Format]: Move the cursor to select the device to be formatted, “ ” indicates the option of “format” is enabled, and click “ ” to begin formatting.
[Auto overwrite]:Options Include “Disable and Auto”. If a user chooses “Disable”, the recording stops when the SD card is full. Once the SD card is full, it will not record again until “overwrite” is enabled. If a user chooses “Auto”, recording continues and overwrites previous recording when the SD card is full.

2.4.5.2 Upgrade

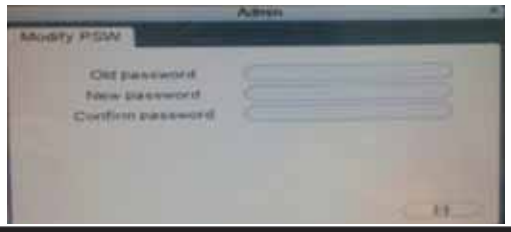
To enter the “system Maintenance”, select “upgrade”(see adjacent figure).



Create a new root directory called “ivrupgrade” on a SD card, copy the update file to it, and then insert it into SD port of the device. Click “ ” to upgrade the firmware and it will display the process of the system upgrade.
Note: The system upgrade will require at least two minutes; during this time, do not remove the SD card or turn the device disable. After completing the upgrade, the device will restart.

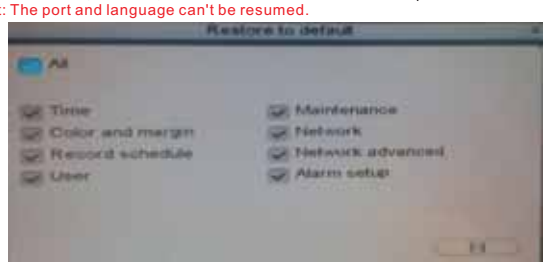
2.4.6 User

Click “Setup”—“User”(the tab will be highlighted when selected) and single-click to enter the “User” menu. In this field, a password for accessing the device system can be changed. From this window, the Administrator can change the system's password. For security reasons, before a new password can be set, it is necessary to enter the original password. Click “ ” to save.



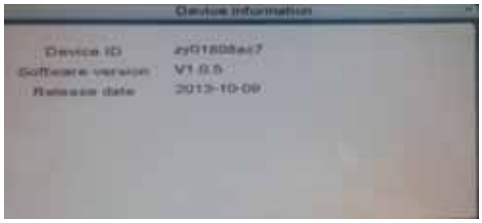
2.4.7 Default

Click “Setup”—“Default”(the tab will be highlighted when selected) and single-click to enter the “Restore to default” menu.
The system restores the default configuration status in the factory, and corresponding setting can be resumed based on options on the menu. User can select “All” to restore all the settings to the original factory settings. The options include: Time, Color and margin, Record schedule, User, Maintenance, Network, Network advanced and Alarm setup.
Prompt: The port and language can't be resumed.



2.4.8 Information

Click “Setup”—“Information”(the tab will be highlighted when selected) and single-click to enter the “Device information” menu.
The information included accessible through this interface includes: the device ID, the software version and the release date.



2.4.9 Save/Exit

On the "Configuration" menu, right-click or click "" to enter the "Save" menu.

[Save]: Save all settings and exit the menu.
[Exit]: Exit the menu without saving any changes.

3. Web Browser Operation

3.1 Feature

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.

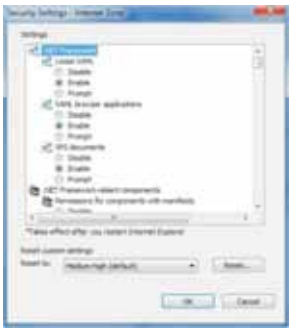
IMPORTANT! SOFTWARE RECOMMENDATIONS:

To ensure reliable remote viewing of IVR 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, 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.)

3.2 Network Security Setting

Prior to setting up remote access, set the network security level by following the following instructions:

(1) Open the Internet Explorer browser and click the "Tools" tab located in the bar at the top of the browser; from the drop-down menu, select "Internet Options".
(2) Click the "Security" tab in the dialogue box
(3) Click "Custom level" (at the bottom of the dialogue box) to set the security level. .



Set the appropriate settings for the ActiveX controls and plug-ins. Find the following controls in the "Security Settings" box and select the "Enable" option for each of them. This is an extremely important step.

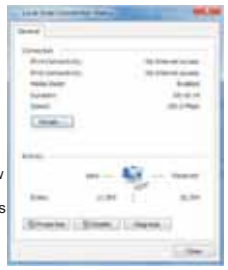
* Automatic prompting for ActiveX controls.
* Binary and script behaviors.
* Initialize and script ActiveX controls not marked as safe for scripting.
* Download signed ActiveX controls.
* Download unsigned ActiveX controls.
* Run ActiveX controls and plug-ins.
* Script ActiveX controls safe for scripting.

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

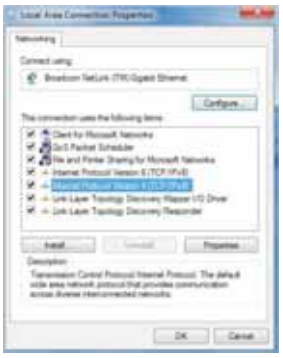
3.3 Connection Settings

Remote access to the IP video door phone is carried out over the Internet. In the local area network, the IP address of the client-side computer must be in the same network segment that the IP address of the IP video door phone. In the wide area network, the only requirement is that the two sides can visit the public network and connect to the Internet through the IP address or the dynamic domain name. The following will mainly focus on connecting and setting up the local area network.

Step 1: Right-click on "Network Neighborhood" and click "Properties" in the menu to open the "Network Connections" menu. Alternatively, if the operating system being used does not have a "Network Neighborhood" icon, enter the Control Panel found in the "Start" menu; then, click "Network and Internet", and select "Network and Sharing Center." On the "Network and Sharing Center" page, there should be a "Network" section; in that section, there should be a "View Status" link next to a listing that reads "Connection: Local Area Connection." Click the "View Status" link. A small "Local Area Connection Status" window will appear; at the bottom of this screen, click "Properties", and if prompted to give permission to continue, click "Yes."



Step 2: Double-click to open "Local Area Connection" from the "Network Connections" menu.
Step 3: Click "Properties" in the lower-left corner of the window (see preceding figure).
Step 4: Double-click "Internet protocol (TCP/IP)" from the "This connection uses the following items" list in the center of the window (see preceding figure).



Step 5: Examine the IP address, subnet mask, and default gateway on the PC.
Step 6: Set the corresponding IP address, subnet mask, and default gateway on the indoor unit(for detailed instructions, refer to **Section 2.4.2 Network Setup**). If the subnet mask and default gateway on the indoor unit are the same as those of the computer, then the IP address is most likely in the same network segment. However, they must not be exactly the same as the ones on the indoor unit, as this will cause IP address conflicts. Taking the preceding figure as an example, the IP address should be: 192.168.1.X, where X cannot be 244 or 1 (including other IP addresses currently being used), and cannot exceed 255, as the subnet mask is 255.255.255.0, and the gateway is 192.168.1.1.

3.4 Control Download and Installation

After the aforementioned settings have been adjusted and saved, open the Internet browser, enter http://192.168.1.X (192.168.1.X is the set IP address of the indoor unit) and confirm. If the http port of indoor unit setting has been changed (if it is not "80"), it will be necessary to add a ":" followed by a port number. For example, assuming that the current port number is "P", enter "http://192.168.1.X:P", to correct the problem.
After connecting to the internet, Internet Explorer (or other Internet browser being used) will automatically download the file to the computer as follows. Click "Install".

The system will automatically enter the GUI as follows.

Select the English interface from the upper left side. Enter the correct password if a password has been enabled. The password is the same as the one set in indoor unit.
[**USER ID**]: In this field, enter the username. The default is **Admin**.
[**PASSWORD**]: The password is as the same as the password for the indoor unit. The default is **888888**.
[**NETWORK**]: MAIN STREAM or SUB STREAM.
[Open Preview]: "☑" enable to view all the cameras automatically after the login. "☐" means that user needs to connect all the cameras manually after the login.
Note: If the device is connected to the WAN, the IP address should be a public IP address.

3.5 Operation Interface

Options in the main interface include "LIVE", "PLAYBACK", "REMOTE SETTING", "LOCAL SETTING" and "LOGOUT." Click any option to access it.

3.5.1 Live

Click "Live" to enter the interface as follows (in some cases, it will be necessary to click "▶" to open images from the indoor unit).

The left bottom corner of each individual channel is occupied by camera view tools:

/ : Connect the current window view or close the current window view.

/ : Start recording or stop recording of the current channel view. And the right bottom corner of the current channel has a normal recording video symbol "R".

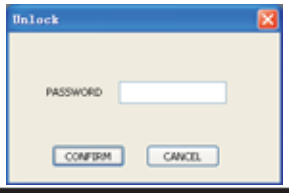
: Takes a snapshot of the displayed image.

: Increase or decrease brightness.

: Increase or decrease image contrast.

M: This indicates that the channel has detected motion while in motion-detection mode of the remote indoor unit.

:Unlock for the door machine. Click this button to access the "Unlock" window(shown as below), input the correct password and click the button "CONFIRM" to confirm.



3.5.2 Controls

To use the controls, move the cursor over the icons, which will become highlighted when selected.

/ Connect all windows or disconnect all windows.

Capture images which can be saved in a local disk (the default system save path is "c:\IVR\Capture\").

Quick-start to record video on all channels, and the right bottom corner of each channel has a normal recording video symbol "R"(the default system save path is "c:\IVR\Record\").

Click this button to talk with the door machine. And click it again to stop.

Click this button to unlock for the door machine.

Click these icons to switch between the single-screen ( ), quad-split( ) and full-screen ( ) options.

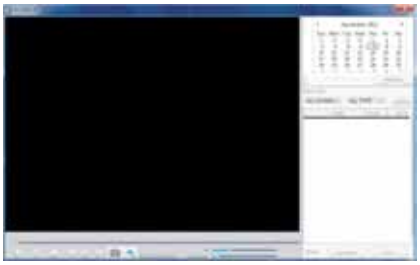
Click on the vertical bars to adjust the volume.

3.5.3 Other Operations

1.Select one channel from the preview screen (the color of the selected channel's frame will change to blue), and double-click the left mouse key will enlarge the current channel view. And single-click right mouse key as a full-screen display of the selected channel.
2.Single-click right mouse key on the preview screen will maximize all the current channels to full-screen. And single-click right mouse key again will back out.

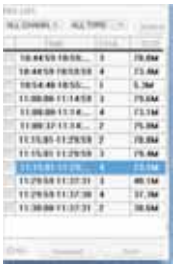
3.5.4 Playback

Click "Playback" to enter the playback interface.



To search for a recording by date, click calendar in the upper-right corner, and use "<" and ">" to set the month of the video being searched for; click "REFRESH" (located just below the calendar) to display the recording information of current month.

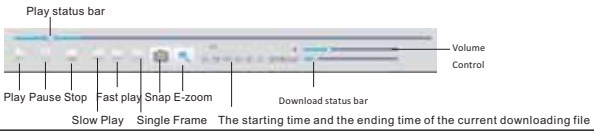
The highlighted date indicates the recording date of the video being played. Click on a date to view the recording file list for that day. For example, the preceding figure shows that there are videos on file that were recorded on November 5th and 7th (indicated by the numbers being in bold print), and is the recording file list that is currently open is the list of videos recorded on November 5th (indicated by the darker background and the "5" in white text).
Another way to find a video is to select the channel and type of the file in question from the file list below the calendar. After selecting the channel and type from their respective drop-down menus at the top of the file list, click "SEARCH" and the results will be displayed in a list like the one in the following figure.



Double-click one of the listed recorded videos or select one of the listed recorded videos and then click “PLAY” to begin playback.

Using this button, users can download files to their computers and save them to a HDD for backup or later viewing. The downloaded file format is “AVI”. The option“ ” on the left side of the file is available for downloading. “ ” indicates the file will be saved to a HDD after clicking the “ ” button.

3.5.5 Toolbar Guide



3.5.6 Remote Setings

Click “Remote Setting” to enter the “Remote Setting” setup menu. This interface includes record setting, alarm setting, network setting, advanced setting, system info, remote upgrade and user modify, which can all be modified remotely through an Internet browser.

A.Record Settings

In the sidebar on the left, click “Record Setting” to enter the recording settings menu. From this page, users can enable or disable recording for channel 3 or channel 4, set recording schedules, and adjust specific recording parameters, i.e. enabling/disabling audio, setting the pack time, and setting recording modes.

B Alarm Settings

From the sidebar on the left, click “Alarm Setting”, then select “Channel Alarm” to enter the “Channel Alarm” setup interface. From this interface, users can set motion-detection alarms, define motion-detection privacy masking areas, motion sensitivity, and record duration.

C Network Settings

From the sidebar on the left, click “Network Setting”, and then select “Network” to enter the network settings interface. The menu allows users to set basic attribute, PPPOE and DDNS setup.

D Mobile Settings

From the sidebar on the left, click “Network Setting”, and then select “Mobile” to enter the “Mobile Settings” interface. From this page, users can set ports, push switch and push time.

E IP Firewall

From the sidebar on the left, click “Network Setting”, and then select ”IP Firewall” to enter the firewall settings interface. From this page, users can turn the firewall on or Disable for specific IP addresses.

F System Setting

From the sidebar on the left, click “Advanced Setting”, then select “System Setting” to enter the system settings menu. From this menu users can find out the language and TV mode for the indoor unit.

G System Info

[**Version Information**]: From the sidebar on the left, click “System INFO”, and then select “Version INFO” to enter the system information interface. Here, users can find out the device name, software version, and the release date.

H. REMOTE UPGRADE

From the sidebar on the left, click “REMOTE UPGRADE” to enter the remote upgrade interface. Clicking “ ” will select file for upgrading. Then click the “ REMOTE UPGRADE ” remote upgrade button in the center of the screen.

I. User Management

[**Modify password**]: From the sidebar on the left, click “User Manager”, and then select “Modify password” to enter the user management interface. Users can modify the user’s password.

3.5.7 Local Setings

From the sidebar on the top, click “Local Setting” to enter the local settings interface. From this page, users can set up the save path for local settings; in the “Record Save Path” field, they can create a save path for recordings, in the “Picture Save Path” field, they can create a save path for video/still images, and in the “File Save Path” they can create a save path for downloads. Clicking “ ” will set up the respective save path.

3.5.8 logout

Click “Logout” to log out of the system.

4. Mobile Phone Software Visit

This IP video door phone can transmit live feed to your mobile phone, so that you can have 'on the go' access to your surveillance system from virtually anywhere. To view, you must install a mobile operating system specific program into your mobile. Currently, there are a limited number of phones that are supported: Google Android and Apple iPhone or iPad. The Android mobile program is located on the included CD or downloaded via “Play Store”, and an iPhone mobile program or an iPad program is downloaded via “APP Store”. In “APP Store” or “Play Store”, please search for “MobileEyeDoor”. Please see the instruction manual for your mobile to install the program.

4.1 Iphone Mobile or Ipad

The Apple iPhone or iPad application, like all iPhone or iPad applications, needs to be downloaded directly from the App Store. Open APP store, search for “MobileEyeDoor”, it's a free application.

(1) “MobileEyeDoor” installation

According to the following method, open the App store “ ”, touch “ ” and search for “MobileEyeDoor”. Install it on the mobile phone or the iPad. After installing “MobileEyeDoor”, it will appear a “ MobileEyeDoor” icon on the application software.

(2) How to use “MobileEyeDoor”

1> Click the “MobileEyeDoor” icon to run the program. Click “ ” to add a new device, first please choose the adding type, there are there methods to add device: “QR Code Scan”, “Manual” and “Local Search”.

A. Adding by “QR Code Scan”

Click “ QR Code Scan ” to the next interface, users can scan two-dimensional code attached to the machine through the mobile phone or the iPad, and the device UID will be shown.

B. Adding by “Manual”

Click “ Manual ” to the next interface, users can add a new device by UID type or by IP type.

a.By UID type

After entering the “UID Type” Settings menu, the following fields will need to be completed:

Name: Set name for the indoor unit, and saves settings for future usage.
UID: The device UID (UID is attached to the machine).
User: The user name set for entering the indoor unit system. The default is “Admin”.
Password: The password set for entering the indoor unit system. The default is “888888".
Channel Number: Set the max channels of the device will be connected.
Click “ Done ” to save.

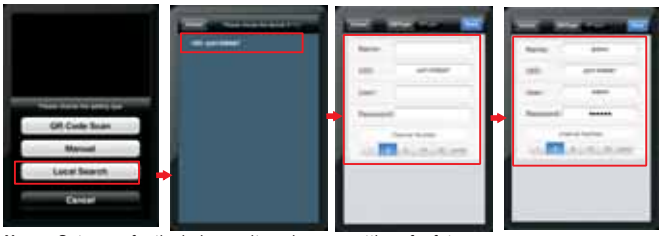
b. By IP type

Click “IPType” to enter the Settings menu, the following fields will need to be completed:

Name: Set name for the indoor unit, and saves settings for future usage.
Address: The public IP address or dynamic domain name of the indoor unit.
Port: The mobile port of the indoor unit for remote access viewing via mobile phone, the default is “10510”.
User: The user name set for entering the indoor unit system. (Admin by default)
Password: The password set for entering the indoor unit system. (888888 by default)
Channel Number: Select the max channels of the device will be connected.
Click “ Done ” to save.

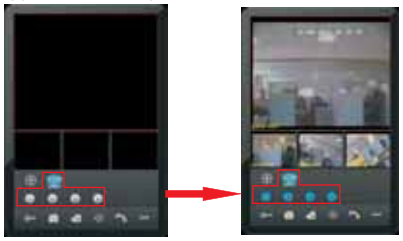
C. Adding by “Local Search”

On LAN, turn on the WIFI of the Wireless Router and the mobile phone(or the ipad). Click “Local Search” and online devices will appear on the “Please choose the device” list, click one to add the device, the following fields will need to be completed:

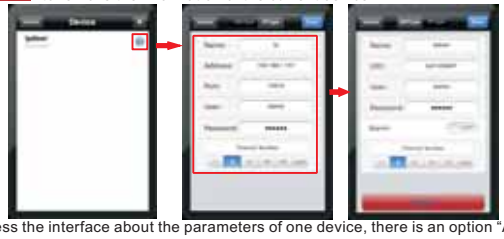


Name: Set name for the indoor unit, and saves settings for future usage.
User: The user name set for entering the indoor unit system. (Admin by default)
Password: The password set for entering the indoor unit system. (888888 by default)

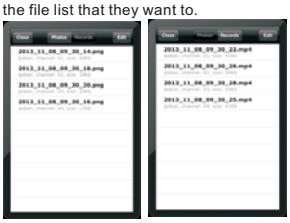
Channel Number: Set the max channels of the device will be connected.
Click "Done" to save.
2> After adding the device successfully, the device will appear on the main screen. Click the device, and all the channels of the device will be shown on the screen. Click any channel and it will connect immediately. The background of the channel will be highlighted after connecting successfully(shown as follows).



3> The functions of the other icons on the live view:
Unlock.
Snapshot: to capture a frame of the video stream as a still photo.
Record: Click it to start manual record video on the current channel, and the right top corner of the channel has a normal recording video symbol "[REC]". And click it again to stop manual record.
Click it to turn the sound on or disable.
Click it to start to talk, and the background of the button will be highlighted. Click it again to stop talking.
Click it to display or hide the buttons "".
Click it to enter the device list interface.
Click it to enter the snapshot file and record file.
Click it to enter the local setting interface.
Click it to enter user guide interface.
4> On the live view, users can touch a channel on the screen and drag it to the other channel postion directly.
5> On the interface of "Device", user can edit the parameters of one device, click "" to the next interface as below. Click "Edit" to enter edit mode to adjust the parameters. Click "Done" to save. And click "Delete" to remove the information of the current device.



[Alarm]: To access the interface about the parameters of one device, there is an option "Alarm" for alarm push function. When select "On", it indicates that the alarm push function of the current device is enabled. To enable alarm push function, users need to make sure the indoor unit and the mobile phone are both connected to internet.
Note: 1)When the option "Alarm Setting" on the mobile software interface is set to "On", and the order "Configuration--Network--Advanced--Mobile Phone--Push" on the remote indoor unit is enabled. When someone press the call button on any outdoor camera, the alarm information will be pushed to the phone. And users can click the alarm list to access to the video live view of the channel directly or access to the video live view to unlock for the outdoor camera .
2)The alarm push function can be effective, and the device must be added by UID type.
6> Click "" to enter the snapshot and record file interface. Click "Photos" or "Records" to switch display interface. Click one on the list to see the picture or the record. Click "Edit" to enter edit mode, users can remove the file list that they want to.



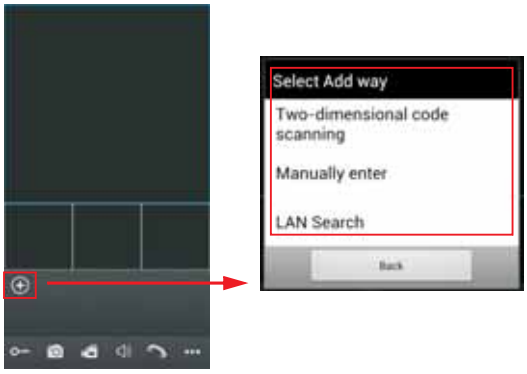
7> Click "" to enter the "System Settings" interface as follows.

[Video Views]: Select "1" and only one channel view will be shown on live view. Select "4" and quad channels view will be shown on live view.
[Live Preference]: Options include "Real-time" and "Quality". If choose "Real-time", the video encoder of the channel for remote access viewing via mobile phone will consider to the frame first; If choose "Quality", the video encoder of the channel for remote access viewing via mobile phone will consider to the image quality first.

4.2 Android Mobile

1) Please go to the android software market "Play Store" to search for "MobileEyeDoor" and install it. Or from the installation CD, copy the setup software "MobileEyeDoor.apk" to user's Android phone or to SD card.
Open your "File Manager" in android phone, and find out the file "MobileEyeDoor" in your android phone memory or SD card. Click it to install the software. When the application has finished installing, the icon "" will display on the screen of the phone(shown as below).

2)Click the “MobileEyeDoor” icon to run the program, click “⊕” to add a new device, first please choose the adding type, there are there methods to add device: “Two-dimensional Code Scanning”, “Manually enter” and “LAN Search”.



A. Adding by “Two-dimensional Code Scanning”

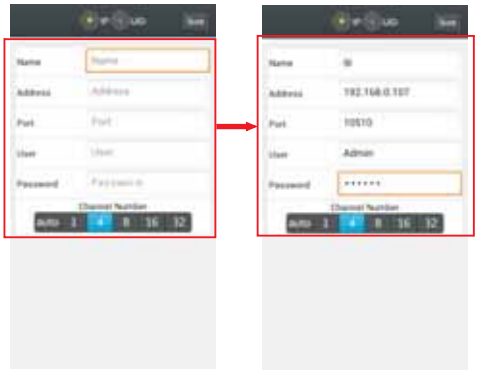
Click “Two-dimensional code scanning” to the next interface, users can scan two-dimensional code attached to the machine through the mobile phone, and the device UID will be shown.

B. Adding by “Manually enter”

Click “Manually enter” to the next interface, users can add a new device by UID type or by IP type.

a. By IP type

After entering the “IP” Settings menu, the following fields will need to be completed:

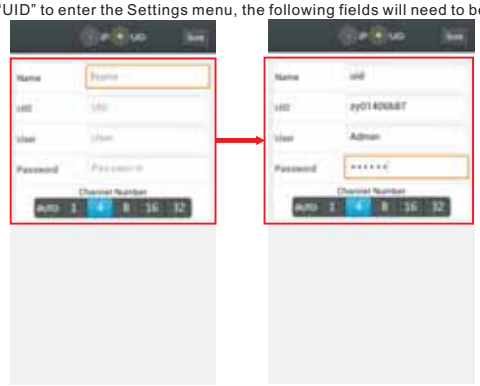


Name: Set name for the indoor unit, and saves settings for future usage.
Address: The public IP address or dynamic domain name of the indoor unit.

Port: The mobile port of the indoor unit for remote access viewing via mobile phone, the default is “10510”.
User: The user name set for entering the indoor unit system. (Admin by default)
Password: The password set for entering the indoor unit system. (888888 by default)
Channel Number: Select the max channels of the device will be connected.
Click “Sure” to save.

b. By UID type

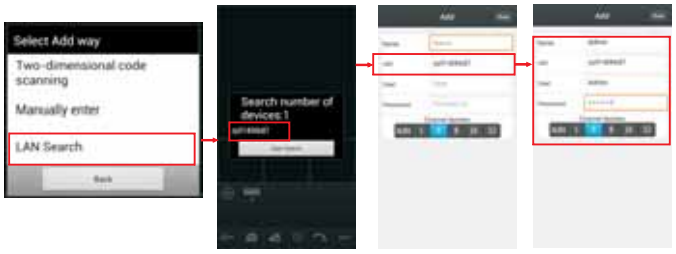
Click “UID” to enter the Settings menu, the following fields will need to be completed:



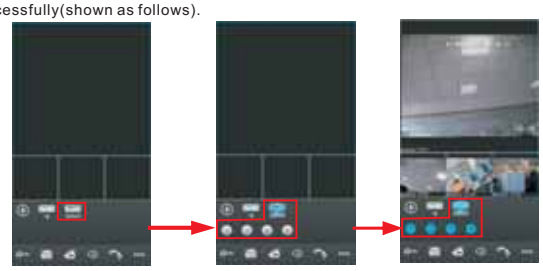
Name: Set name for the indoor unit, and saves settings for future usage.
UID: The device UID (UID is attached to the machine).
User: The user name set for entering the indoor unit system. The default is “Admin”.
Password: The password set for entering the indoor unit system. The default is “888888".
Channel Number: Set the max channels of the device will be connected.
Click “Sure” to save.

C. Adding by “LAN Search”

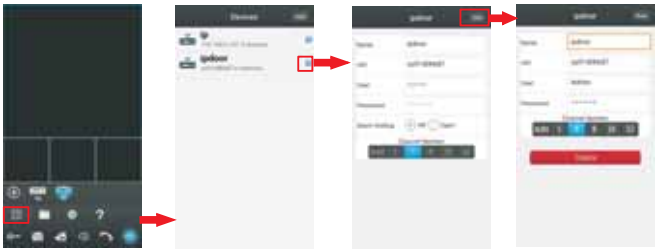
On LAN, turn on the WIFI of the Wireless Router and the mobile phone. Click “LAN Search” and online devices will appear on the “Search number of device” list, click one to add the device, the following fields will need to be completed:



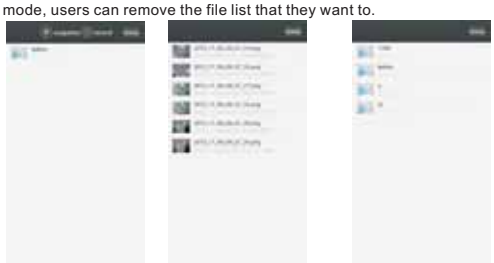
Channel Number: Set the max channels of the device will be connected.
Click "Sure" to save.
3) After adding the device successfully, the device will appear on the main screen. Click the device, and all the channels of the device will be shown on the screen. Click any channel and it will connect immediately. The background of the channel will be highlighted after connecting successfully(shown as follows).



4) The functions of the other icons on the live view:
Unlock.
Snapshot: to capture a frame of the video stream as a still photo.
Record: Click it to start manual record video on the current channel, and the right top corner of the channel has a normal recording video symbol "[REC]". And click it again to stop manual record.
Click it to turn the sound on or disable.
Click it to start to talk, and the background of the button will be highlighted. Click it again to stop talking.
Click it to display or hide the buttons "".
Click it to enter the device list interface.
Click it to enter the snapshot file and record file.
Click it to enter the local setting interface.
Click it to enter user guide interface.
5) On the live view, users can touch a channel on the screen and drag it to the other channel position directly.
6) On the interface of "Devices", user can edit the parameters of one device, click "' to the next interface as below. Click "Edit" to enter edit mode to adjust the parameters. Click "Sure" to save. And click "Delete" to remove the information of the current device.
[Alarm Setting]: To access the interface about the parameters of one device, there is an option "Alarm Setting" for alarm push function. When select "On", it indicates that the alarm push function of the current device is enabled. To enable alarm push function, users need to make sure the indoor unit and the mobile phone are both connected to internet.
Note: 1)When the option "Alarm Setting" on the mobile software interface is set to "On", and the order "Configuration--Network--Advanced--Mobile Phone--Push" on the remote indoor unit is enabled. When someone press the call button on any outdoor camera, the alarm information will be pushed to the phone. And users can click the alarm list to access to the video live view of the channel directly or access to the video live view to unlock for the outdoor camera.
2) The alarm push function can be effective, and the device must be added by UID type.



7) Click "" to enter the snapshot and record file interface. Click "snapshot" or "record" to switch display interface. Click one on the list to see the picture or the record.Click "Delete" to enter edit mode, users can remove the file list that they want to.



8) Click "" to enter the "System Settings" interface as follows.

[Video Views]: Options include "1" and "4". Select "1" and only one channel view will be shown on live view. Select "4" and quad channels view will be shown on live view.
[Video Style]: Options include "Original" and "Covered".
[Live Preference]: Options include "Real-time" and "Smooth". If choose "Real-time", the video encoder of the channel for remote access viewing via mobile phone will consider to the frame first; If choose "Smooth", the video encoder of the channel for remote access viewing via mobile phone will consider to the image quality first.

Appendix 1. Accessing the indoor unit via Mozilla Firefox

1. First, install Firefox on Windows(This document will use Firefox 3.6 as an example)
2. After installing Firefox, search for the "IE TAB" add-on for Firefox; this file is named "ie_tab_plus-1.95.20100930-fx+sm (IE Tab Plus (FF 3.6+).xpi". (This file can be downloaded from the Mozilla website)
3. To install: Open Firefox, then click "Tools", and select "Privacy" and a dialog box will appear. Then choose tab which is named "Get Accessory Discreteness", and copy and paste "ie_tab_plus-1.95.20100930-fx+sm (IE Tab Plus (FF 3.6+).xpi" into the address field. A dialog box will prompt you to install or cancel the program; choose "Install immediately." After installing the program, restart Firefox Browser.
4. Open Firefox and enter the indoor unit IP address in the address field.

5. Right-click at blank, select “Use IE TAB Plus to play this Page”, and choose “Switch browser engine”. The indoor unit can now be connected successfully.

Appendix 2. Accessing the indoor unit via Google Chrome

1. First, install Google Chrome on Windows(this manual will use Chrome version 7.0.517.36 as an example).
2. After installing Google Chrome, search for the “IE TAB” Chrome add-on; this file is named “extension_1_4_30_4.crx”. (This file can be downloaded from the Chrome Web Store)
3. Open Chrome, enter the IP address of the indoor unit into address bar, and the following screen will appear.

4. Drag the add-on into the browser interface and the following screen will appear.

5. Select “Allow” to download multiple files and the following screen will appear.

6. Select “Continue” to continue installing extensions and the following screen will appear.

7. Click “Install' and the following screen will appear.

Note: If the web page still does not open, press the “ ” icon on the right of the address field to display this page in an IE based-tab.

8. Fill in the correct user name and password to log in.

Appendix 3. Remote Control(Optional)

Pressing the “enter” key on the remote control of the device has the same function as left-clicking a computer mouse.

Stop (■): Press this button to stop playback.

Play/Pause (▶/II): Pressing this button opens the video search function and the playback menu. When the playback mode is activated, press this button to play/pause playback.

(▲◀ ▼▶):Move selected item in menu.

Menu (MENU/ESC): Press this button to access the toolbar, hide the toolbar, enter or exit from the menu, and enter or exit sub-menus.

Numerical Buttons: Using these buttons, you can choose to display video on your monitor either as a full-screen view of each of the cameras individually (Channels 1 through 2).

ENTER: This button is used as the “enter” key in most circumstances (i.e. for selecting items from a menu).

Spot View ( ) : Press this button to enable auto sequencing, and press any other button to interrupt sequencing.

Quad ( ):Press this button to switch display modes.

REC (●) : Press this button to start or stop manual recording.

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.