

User Manual



IPV38P2P

Wi-Fi HD720P Pan & Tilt Indoor P2P IP Camera

Before using this product, please read this document carefully and visit <u>www.ebodeelectronics.eu</u> for latest manual, Software and FAQ.

Contents of the kit:



1x IP Camera



1x Ethernet Cable



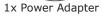
1x Quick Start Guide

Technical Specification:



- P2P Feature for Easy Remote Access
- H.264 Video Compression
- Day/Night Surveillance, IR LEDs On/Off Auto Switch
- Motion Detection Alarm via E-Mail and FTP
- Supports Micro SD Card storage
- Free ebode DDNS Service embedded
- Compatible with free ebode Central Management Software
- Compatible with free ebode iOS and Android APP
- Supports WPS One Button Push Secure Wireless Connection
- Supports IEEE 802.11n Wireless Connection
- Supports WEP, WPA and WPA2 Encryption
- Built-in Mic & Speaker, Audio Jack for External Mic & Speaker
- Supports two-way Audio

B





1x Mounting Bracket + Screws



1x Resource CD



1x Wi-Fi Antenna



1x ebode leaflet

🊟 User Guide

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1. Conformity of Use

For carefree and safe use of this product, please read this manual and safety information carefully and follow the instructions. The unit is registered as a device that does not cause or suffer from radio-frequency interference. It is CE approved and it conforms with the Low Voltage Directory. The safety and installation instructions must be observed. Technical manipulation of the product or any changes to the product are forbidden, due to security and approval issues. Please take care to set up the device correctly - consult your user guide. Young children should use the device only under adult supervision. No guarantee or liability will be accepted for any damage caused due to incorrect use of the equipment supplied, other than indicated in this owner's manual.

Safety Warnings

• To prevent short circuits, this product (except if specified for outdoor usage) should only be used inside and only in dry spaces. Do not expose the components to rain or humidity.

• Only connect the power cord to the mains after checking whether the mains voltage is the same as the values on the rating labels. Never connect a power cord when it is damaged. In that case, contact your supplier. If there is any danger of a thunderstorm, it is a good precaution to unplug the power supply from the mains network in order to protect it from lightning. The same applies if the system is to be out of action for any length of time.

• Avoid strong mechanical tear and wear, extreme ambient temperatures, strong vibrations and atmospheric humidity.

• Do not disassemble any part of the product: no user-serviceable parts are inside. The product should only be repaired or serviced by qualified and authorized service personnel. Defected pieces must be replaced by original (spare) parts.

• Batteries: keep batteries out of the reach of children. Dispose of batteries as chemical waste. Never use old and new batteries or different types of batteries together. Remove the batteries when you are not using the system for a longer period of time. When inserting batteries be sure the polarity is respected. Make sure that the batteries are not short circuited and are not disposed in fire (danger of explosion).

In case of improper usage or if you have opened, altered and repaired the product yourself, all guarantees expire. The supplier does not accept responsibility in the case of improper usage of the product or when the product is used for purposes other than specified. The supplier does not accept responsibility for additional damage other than covered by the legal product responsibility.

2. Introduction

Congratulations on purchasing the ebode IPV38P2P. Please check our website www.ebodeelectronics.eu for the latest version of this manual. This manual will help you operate the Wi-Fi HD720P Indoor P2P IP Camera. The ebode IPV38P2P camera offers the latest generation of IP cameras with hassle-free, three steps set-up and installation, thanks to a unique QR code scanning method. The IPV38P2P Pan and Tilt indoor camera with 11 IR-LEDs and automatic IR-LED takes care for Night Vision Range up to 8 meters. Includes IR-Cut Filter for automatically color correction. Free DDNS service embedded so live feeds are available wherever you are. Free iOS and Android App available. Supports Microsoft IE6 and above version or compatible browser, Mozilla Firefox, Google Chrome, Apple Safari. Wireless Wi-Fi Standard IEEE802.11 b/g/n, Security Standard WEP, WPA and WPA2. The IPV38P2P Indoor Camera has H.264 video compression, supports Onvif, motion detection alarm via e-mail and FTP, 2-way audio and supports Micro SD Card Storage.

3. Overview

Indoor HD Wireless IP Camera with P2P is an integrated wireless IP Camera with a colour CMOS sensor enabling viewing in High Definition resolution. It combines a high quality digital video camera, with a powerful web server, to bring clear video to your desktop and mobile devices from anywhere on your local network or over the Internet.

Thanks to the P2P easy access technology, you don't need to do complicated Port Forwarding and DDNS settings, you just need to scan the QR code on the bottom of the camera to connect it on smart phone, or input the UID on CMS software to do remote access.

With flexible 300-degree pan and 120-degree tilt, the IP Camera gives users more comprehensive control over a monitored site. The camera supports H.264 video compression technology, dramatically reducing file size and saving network bandwidth.

The camera is based on the TCP/IP standard. There is a WEB server inside which could support Internet Explore. Therefore the management and maintenance of your device is simplified by using the network to aaccess the website of your camera.

The camera is designed for indoor surveillance applications such as home, retail store and office. Controlling the camera and managing images are simplified by using the provided web interface across the network utilizing wired or wireless connectivity.

The IPCAM provides Smart Phone APP for Android and iPhone users, please search and install the application named "ebode" on Google Play for Android devices, or on APP Store for iOS devices, then you can view your camera anywhere, anytime on your smart mobile devices.

3.1 Key Features

• Standard H.264 video compression algorithm to satisfy the transmission of high definition video in narrow bandwidth network.

- P2P feature for easy access.
- Megapixel HD video.
- Pan 300 degree, tilt 120 degree.
- Supports IE/Firefox/Google/Safari browser.
- Supports WEP, WPA-PSK and WPA2-PSK Encryption.
- Wireless connection is compliant with IEEE 802.11b/g/n Wi-Fi, up to 150Mbps.
- IR night vision (Range: 8m).
- Supports image snapshot.
- Supports dual-stream.
- Supports SD Card storage up to 32GB.
- Supports IR-Cut auto switch.
- Embedded free DDNS (dynamic domain name service) Service.
- Supporting the Third Party Domain Name Service.
- Supports two-way audio.
- Multi-level users management with password protection.
- Motion detection alert via email or upload image to FTP.
- Providing free Android and iPhone APP for viewing live video.
- Support record schedule.

3.2 Read Before Use

Please first verify that all contents received are complete according to the Package Contents listed below. Before the IP Camera is installed, please carefully read and follow

the instructions in the Quick Installation Guide to avoid damage due to faulty assembly and installation. This also ensures the product is used properly as intended.

3.3 Physical Description

Front Panel

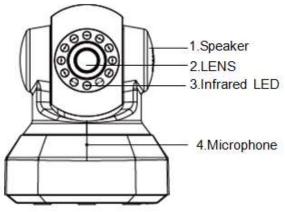


Figure 3.1

- 1. Speaker: Built-in speaker.
- 2. LENS: Fixed focus lens.
- 3. Infrared LED: Infrared LEDs for night vision.
- 4. Microphone: Built-in microphone.
- 5. Wi-Fi Antenna: Wireless Antenna.



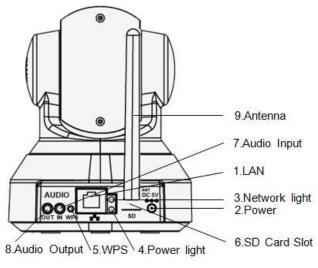


Figure 3.2

- 1. LAN: 10/100 Mbps RJ-45 port for wired connection.
- 2. Power: DC 5V/2A Power supply.

3. Network Light: The LED will blink slowly in wired connection, blink two times faster in wireless connection, blink four times faster when WPS.

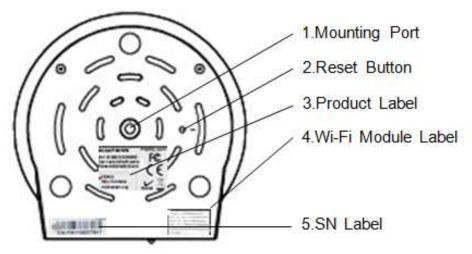
4. Power Light: If the power supply works fine, the light will turn on.

5. WPS: Push the WPS button on the camera and wireless router in 1 minutes, the camera will connect the wireless router automatically, in WPS process, the Network Light will blink very fast.

6. SD card Slot: Supports up to 32GB SD card for storing the video.

- 7. Audio Output: This jack is used to plug an external speaker.
- 8. Audio Input: This jack is used to plug an external microphone.
- 9. Antenna: Used to connect external wireless antenna.

Bottom View





1. Mounting Port: Port for mounting bracket.

2. Reset Button: Push for more than 5 seconds to set the camera to factory default.

3. Product Label: Includes P2P QR code, MAC address, UID, DDNS URL, default username and password.

4. Wi-Fi Module Label: Includes Wi-Fi MAC address and serial number of the Wi-Fi module.

5. SN Label: There is serial number of the camera on the label

4. Access the IP Camera

This chapter explains how to access the camera through browser and RTSP player.

4.1 Access the Camera in LAN

This camera supports $\ensuremath{\mathsf{HTTP}}$ and $\ensuremath{\mathsf{HTTPS}}$ protocols, you can access the camera by two ways.

(1) http:// LAN IP + HTTP Port NO.

The default HTTP port no is 88. Double click the IP Camera Tool icon to run, and it should find the camera's IP address automatically after you plug in the network cable.

🔉 IP Camera Too	1		
Camera name	IP Address	Dewice ID	Device type
anonynous	Http://192.168.1.100:88	00841F19804	V H
	Figure 4.1		

Double click the IP address of the camera; your default browser will open to the camera login page.

(2) https:// LAN IP + HTTPS Port NO.

The default Https port no is 443. You can use the url to access the camera: https:// LAN IP + HTTPS port.

Go to Settings - Network - Port panel , you can see and change the http and https port no.

			ort
Basic Settings			Save Hetest
P Configuration	HTTP Port	88	
Witeless Settings	HTTPS Port	443	
PPPoE DDNS	ONVIP Port	886	



HTTPS(Hypertext Transfer Protocol over Secure Socket Layer) is a safe way to access your camera, the data transferred on the Internet will be encrypted.

4.2 Access the Camera in WAN

4.2.1 Static IP Addresses

Users who have static IP addresses do not need to set DDNS service settings for remote access. When you have finished connecting the camera using the LAN IP address and port forwarding, you can access the camera directly from the Internet using the WAN IP address and port number.

How to Obtain the WAN IP address from a public website

To obtain your WAN IP address, enter http://www.whatismyip.com in your browser. The webpage at this address will show you the current WAN IP.



Figure 4.3

Access your IP Camera from the Internet

You can access the IP Camera from the Internet (remote access). Enter the WAN IP address and port number in your standard browser. For example, you would enter http:// 183.37.28.254:85

<u>NOTES:</u> Make sure port forwarding is successful. You can do port forwarding two ways.

1) Login to your router to enable the "UPNP" function. You can then login to the camera as administrator, choose Network, and then choose UPnP to enable UPnP. Make sure that the status of UPnP reads "UPnP Successful" on the Device Status page.

2) Do port (HTTP port and Media port) forwarding manually. If your router has a Virtual Server, it can do port forwarding. Add the camera's LAN IP and port which you had set earlier to your router's port forwarding settings.

If you plug the camera into a router, it will have a dynamic IP address and you need to set DDNS service settings to view it remotely.

4.2.2 Dynamic IP Addresses

DDNS is a service that allows your IP Camera, especially when assigned with a dynamic IP address, to have a fixed host and domain name. This means that even though your WAN IP address is constantly changing, you will have a fixed hostname you can use to access your cameras at all times. You can access the camera directly from the Internet using the hostname and port number.

What is the HTTP Port no.?

Default HTTP Port is 88

All cameras have the default HTTP port of 88. For example, if the LAN IP link of the camera is http://192.168.1.110:88, this means that the camera's HTTP port is 88. You can change port 88 to another port if you'd like such as 2000 or 8090, which will not be

conflict with other existing ports like 25, 21,10000. Here you can set the port no. between 1 and 65535.

Change the default http no.88 to another one.

How to assign a different HTTP Port No. and fixed the LAN IP of the camera by the IP Camera Tool?

<u>Step 1:</u> Open the IP Camera Tool, select the camera you would like to change the port of, right click on the IP address, and click on "Network Configuration", this brings up the network configuration box.

🕦 IP Camera	Tool		
Camera name		IP Address	Device ID Device type
anonymous	Http	Basic Properties Network Configuration Upgrade Firmware Refresh Camera List Flush Arp Buffer About IP Camera Tool	00841FI9804T H Select which camera you'd like to change the port for and right click

Figure 4.4

ቅ IP Camera Tool	anonymous Network 🗙	
Camera name	🔽 Obtain IP from DHCP server	ice ID Dewice type
anonymous	IP Address 192.168.1.110 Subnet Mask 255.255.255.0 Gateway 192.168.1.1 DNS Server 192.168.1.1 Http Fort 108 Vser admin Password ****** OK Cancel Note: After changing the configuration device will automatically restart.	41FI9804 H Modify the Http Port. Enter user- name and password, click OK.

Figure 4.5

<u>Step 2:</u> Enter the username and password of the Administrator (default username is admin with a blank password), and click "OK" to apply changes.

<u>Step 3:</u> Wait around 10 seconds, you'll see that the camera's LAN IP address has changed. In our example it was changed to 2000, so we see <u>http://192.168.1.110:2000</u> in IP Camera Tool. Also, the LAN IP address is now fixed at a static IP address of <u>http://192.168.1.110:2000</u>. This IP address will not change even if the camera is powered off and back on, the camera will remain on this LAN IP address. This is very important that a static LAN IP address is set, or you may have problems later with remote access and seeing the camera remotely if the camera loses power and reconnects on a different LAN IP address. Make sure you set a static LAN IP address!

🕸 IP Camera T	ool		
Camera name	IP Address	Dewice ID	Device type
anonynous	Http://192.168.1.110:2000	00841FI9804 ▼	H

Figure 4.6

What is Port forwarding?

If you have never done port forwarding before, you can open and view the following link to understand the basic concept. Port forwarding allows for outside connections to access a specific device on your network from anywhere in the world. Every router automatically blocks any incoming connections for safety purposes. Using port forwarding, you are telling your router to allow a connection through a certain port (you can think of it as a gateway) into your router. You set this port to a specific device, in our case an IP Camera, so it can be accessed from anywhere in the world.

Click <u>http://portforward.com/help/portforwarding.htm</u> to learn more about port forwarding:

How do we configure Port Forwarding? For this section, we will be using an example:

Let's say the camera's LAN IP address is http://192.168.8.100:2000

<u>Step 1:</u> Login to the router, and go to your router's port forwarding or port triggering menu. Sometimes this is also under the name of Virtual Server or NAT.

Using the Linksys brand router as an example, we would log into the router, and go to the Applications & Gaming menu. We would then click on the "Single Port Forwarding" sub-menu.

<u>Step 2:</u> Create a new column using the LAN IP address & HTTP Port of the camera within the router as shown below, then push OK or Submit to save your settings:

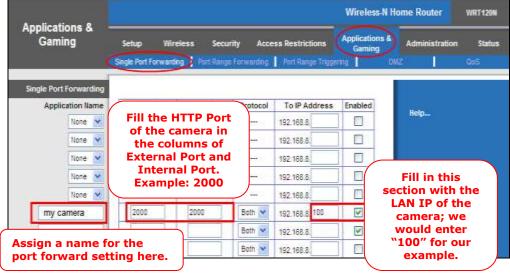


Figure 4.7

First method:

Use the embedded DDNS to access the camera via the Internet

Each camera has an embedded unique DDNS domain name, the format of this domain name is xxxxxx.myipcamera.org. On the bottom of the camera, you can see the domain name sticker with this information on it.

For example, we can use test09.myipcamera.org. In the camera, click Settings at the top, click "Network" on the left, then click "DDNS" to get to the DDNS settings page. Here you can see the unique domain name of your camera.

Status	0		DDNS		
Basic Settings	2		DDNS		
Network				()	Save) (- Refrest)
P Configuration	E	nable DDNS [2]			
Wireless Settings		Manufacturer's DDNS			
PPPoE		Manufacturer's DONS	Build's mypcantara arg	1	Restore DDNS to factory
DDNS:	1				to a construction of the construction of
UPMP Port		Third Party DDNS			
Mail Settings		DDNS Server	None		
FTP Settings		Domain			
P2P					

Figure 4.8

Now you can use "http://Domain name + HTTP Port" to access the camera via Internet. Take hostname a33471.myipcamera.org and HTTP Port of 2000 for example, the URL link to access the camera via the Internet would be http:// a33471.myipcamera.org:2000.

Second method :

Use the Third party DDNS to access the camera via the Internet

<u>Step 1:</u> Please go to the third party DDNS website(such as <u>www.no-ip.com</u>) to create a free hostname.

Step 2: DO DDNS Service Settings within the Camera

Please set DDNS Settings within the camera by hostname, a user name and password you've got from <u>www.no-ip.com</u>. Take hostname ycxgwp.no-ip.info, user name ipcamera, password ipcamera2012 for example.

Firstly, goes to option of DDNS Settings on the administrator panel. Secondly, select No-IP as a server. Thirdly, fill IP camera as DDNS user, fill password ipcamera2012 as DDNS password, fill ycxgwp.no-ip.info as DDNS domain and server URL, Then click save to make effect. The camera will restart and to take the DDNS settings effective. Fourthly, after the restart, login the camera, and go to option of Device Status on the administrator panel, and check if the DDNS status is successful. If failed, please double check if you have input the correct hostname, user name, and password, and try to redo the settings.

NOTE: If you have set third party DDNS successfully ,the Domain Name will be invalid. The Third Party DDNS and the Domain Name cannot work at the same time, the last time you configured will take effect.

4.3 Using the VLC player

This camera supports RTSP streaming, here you can view the camera using VLC player.

RTSP URL https://fusername][:password]@IP:HTTP port <a href="https://fusername]

The part in the square brackets may be omitted.

Username & password: Username and password for camera access. This can be omitted.

IP: WAN or LAN IP address.

Videostream: Here support three mode: videoMain, videoSub and audio. When the network speed is bad, here you had better select videoSub. If you select audio, you can only hear the sound but cannot see the video.

For example: IP: 192.168.1.11 HTTP Port number: 88 User name: admin Password: 123

Here I can enter one of the following URLs in the VLC.

- 1) rtsp://admin:123@192.168.1.11:88/videoMain
- 2) rtsp:// @192.168.1.11:88/videoMain
- 3) rtsp://:123@192.168.1.11:88/videoMain
- 4) rtsp://admin@192.168.1.11:88/videoMain

Open the VLC, go to Media \rightarrow Open Network Stream option, then enter the URL into VLC.

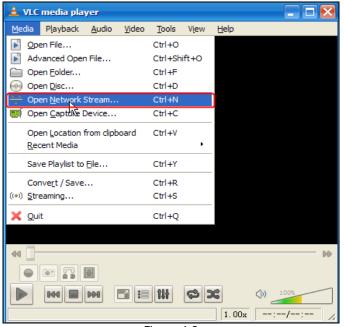


Figure 4.9

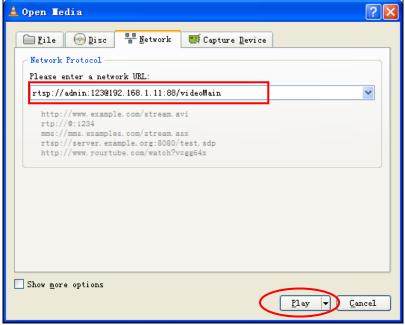


Figure 4.10

Sometimes you may need to enter the user name and password again. Click OK and you can see the real-time preview.



Figure 4.11

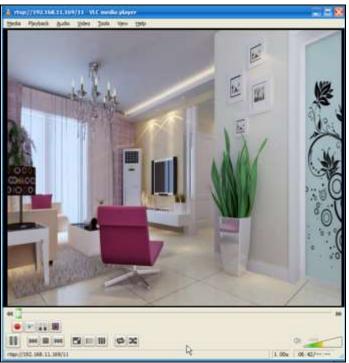


Figure 4.12

If you cannot play the video in the VLC player, please check the port mapping. You can read Quick Installation Guide about How to configure port forwarding.

NOTE: If you modify the camera's username or password, you had better reboot the camera, or else the new username and password cannot take effect when you enter the authentication in the VLC.

5. Surveillance Software GUI

Please refer to the Quick Installation Guide if you install the camera at first time. After finishing quick installation, you take time to learn the operation of the software.

5.1 Login Window

This camera supports HTTP and HTTPS

Username	admin
Password	
Stream	Main stream 2
Language	English 3
	Login - 4

Figure 5.1

Please check the login window above, it was divided to 5 sections from no. 1 to 4.

1. Enter the User name and password

The default administrator username is admin with a blank password, please reset the password at first using and prevent unauthorized users login the camera (read chapter 5.2.4 about how to change).

2. Stream

The camera supports two stream modes: Main stream and sub stream. If you want to access the camera form LAN, here you can select Main stream. If you want to access the camera from Internet, here we recommend sub stream.

NOTE: When the network bandwidth is badly you should better select Sub Stream and the video will be more fluency.

3. Select the language

You can select the language you need via click on the language drop-down list to switch.

4. Login the camera

Click Login button and you will see the surveillance windows.(If login the camera for the first time, the page that modify the username and password will appears.)

5.2 Modify the Username and Password

When you log in for the first time, it will come to the operating of modify the username and password automatically.

Username	admin
New username	
New password	
Password Security Level	
Confirm the password	
	Modify
	Modify

Figure 5.2

Enter the New Username, New password and Confirm the password. Click Modify button, you will see the login page again.

5.3 Setup Wizard

After logging in for the first time, you will be directed to the "Setup Wizard" automatically. Here you can set the basic parameters of camera, such as camera name, camera time, wireless settings, IP configuration.



Figure 5.3

<u>Camera Name</u>: You could give a name for your IP camera.

	Setup Wizard
tep 1 of 4 - Came	ra Name
	7Links-PX-3755
Camera Name	The maximum Device Name length is 20, support English, numbers, letters and symbols

Figure 5.4

<u>System Time:</u> Select the time zone you need to set the date, time, format, etc.

	Setup W	/izard	
Step 2 of 4 - Came	ara Time		
Time Zone	(GMT +01:00) Brussels, Paris, Berlin, Rome, N 🗸		
Sync with NTP server			
NTP Server	time.nist.gov	~	
PC Time			
Date Format	YYYY-MM-DD	~	
Time Format	12-hour	~	
use DST 🗔			
Anead Of Time			
	Previous	Next	

Figure 5.5

<u>Wireless networks</u>: Click Scan, find the SSID of your wireless router, select and enter the password.

	5	Setup Wiza	rd	
Step 3 of 4 - Wireless	s Settings	-		
Wireless Network	List	1 Scan	SSID	TP-LINK_liyo
SSID(Network Name)	Encryption	Quality	Encryption	WPA/WPA2
TP-LINK liyo	WPA/WPA2	.at 2	3 Password	
TP-LINK_wyy	WPA/WPA2	att	The maximum pa	assword length is 63, includin
333	WPA2	att	number	s, letters and symbols



IP: Set the IP address of the camera. You could choose to obtain an IP automatically (DHCP) or set the IP address manually according to your needs.

	Setup Wizard
Step 4 of 4 - IP Configu	uration
Obtain IP From DHCP 🗹	
Subnet Mask	
Primary DNS Server	
Secondary DNS Server	
Note:Once you save your settin	gs, the camera will restart. Previous Finish

Figure 5.7

NOTE: It takes about 1 minute to connect the camera to your router.

5.4 Surveillance Window





1. LiveVideo / Settings/Playback buttons

Path to surveillance window. Click this button and back to the surveillance window

Settings Path to Administrator Control Panel, Click it, and it will lead to Administrator Control Panel and do advanced settings.

Click this button and back to the Playback panel to view the stored audio files stored in the SD Card.

2. Multi-Device Window

monitoring at the same time. You can add other cameras in multi-device setting.



Figure 5.9

3. Mode/ Stream / Mirror/ Flip buttons/Zoom

Mode

- 1) 50HZ ------Indoor surveillance (Region: Europe, China)
- 2) 60HZ ------Indoor surveillance (Region: USA, Canada)
- 3) Outdoor-----Outdoor surveillance

Stream

The default stream supports multiple modes, For example: 0/720P/30fps/2M meanings: Stream type no. / Resolution / Maximum frame rate/ Bit rate. (Different models support different specific mode.)

1) Stream type number: The number is used to identify the stream type.

2) 720P/ VGA

There are two resolutions, the bigger one is 720P, and the smaller one (VGA) is 640x480 pixels. The bigger the resolution, the better of the image guality is. If you are accessing the camera via internet and want to get more fluent video streaming, please select resolution VGA.

3) Maximum frame rate

When the video format is 50Hz, the maximum frame rate is 25 fps. When the video format is 60Hz, the maximum frame rate is 30 fps. You should lower frame rate when the bandwidth is limited. Normally, when the frame rate above 15, you can achieve fluently video.

4) Bit rate

Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video cannot play well.

You can reset the stream type on Settings \rightarrow Video \rightarrow Video Settings panel.

Status		Video Set	tings
Basic Settings			(Bave) (Refresh
Nelwork			
Video	Main stream video settings		
Video Settings	Stream Type	Ω.	
On Screen Display Privacy Zone	Resolution	720P	
Snapshot Settings	Bit Rate	24	
IR LED Schedule	Frame Rate	90	
Alam	Key Frame Interval	90	
Record	Sub stream video settings		
PTZ	Stream Type	lo	•
Firewali	Resolution	VGA(640*480)	
System			•
	Bit Rate	15126	(E)
	Frame Rate	15	1
	Key Frame Interval	45	(F)

Figure 5.10

After changing, please re-login the camera and you can see the modification.

Zoom Control

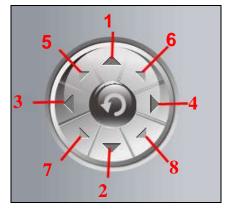
Zoom in Zoom the camera's lens. Zoom but Zoom the camera' lens.

You can adjust the speed of the lens' zoom at Settings--PTZ--Pan & Tilt Speed--Zoom speed.

Status		Pan & Tilt S	peed
Basic Softings			(Lin Bave -) (-) Refresh
Network			
Video 🔹	Pan & Tilt Speed	Normal	
Alarm.	Zoom speed	Fast	
Record			
PTZ			
Pen & TR Spend	<		
Cruise Settings			
Blast-Lip Options			

Figure 5.11

4. Pan/Tilt Control

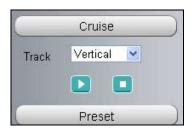


- 1) Up control button.
- 3) Left control button.
- 5) Up-Left control button.
- 7) Down-Left control button.
- 2) Down control button.
- 4) Right control button.
- 6) Up-Right control button.8) Down-Right control button.

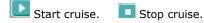
Dlick this button and go to center.

5. Cruise / Preset settings

Cruise Settings



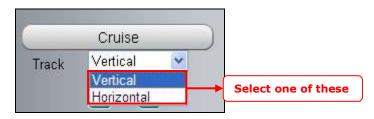
The default cruise tracks have two types: Vertical (the camera will rotate from up to down) and Horizontal (the camera will rotate from left to right).



If you want to define or change the cruise trace, please go to Settings \rightarrow PTZ \rightarrow Preset Settings panel.

How to do cruise?

Firstly: Select one track in the track drop-down list



Secondly: Click Start cruise button, the camera will cruise following the predefined path. Thirdly: Click stop button and finish cruising.

Preset settings



IPCAM supports 16 preset positions, which is considered enough for DIY home & small business surveillance market. The default preset position is Topmost, Bottom most, Left most, Right most, you can add other preset positions.

Add: Click this icon to save the position you need the camera to remember

<u>Delete:</u> Select one preset position and click this button to delete it.

Go: Select one preset position in the preset drop-down list and click Go to make the camera move the preset position

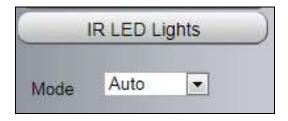
How to do preset position?

Firstly, move the camera and stop at a desired place where you want make preset position.

Secondly, click 💷 button and enter a descriptive name for the preset position. The preset position cannot contain special characters. Then click OK to save it. If you want to reset the preset position, click Cancel.

After that, you can move the camera and stop at another place, and set another preset position. You can do all the 16 preset positions with this method. If you want to see one preset position you have set, only select the preset position name from the preset drop-down list, and click go button, the camera will go to the preset position.

6. IR LED Lights



Click Infra led and there are three modes to adjust the infrared led: Auto, Manual and Schedule.

Auto: Select it and the camera will adjust the infra led (on or off) automatically.

Manual: Select it and you can turn on or turn off the infrared led manually.

Schedule: Select it and the IR led light will be off at the schedule period. If you want to define or change the IR led lights schedule time, please go to Settings \rightarrow Video \rightarrow IR LED Schedule page.

7. Image quality settings

In this page, you can tune Hue, Brightness, Contrast, Saturation, and Sharpness to get higher quality.

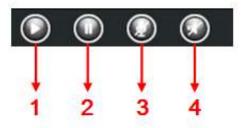


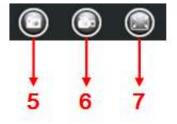
<u>8. OSD</u>

If you have added time and camera name in the video, you can see it in the live window. Go to Settings ---Basic settings---Camera name panel, and you can change another device name. The default device name is anonymous.

Go to Settings ---Basic settings---Camera time panel and adjust the device time.

Go to Settings ----Video----On Screen Display panel, you can add or no add OSD.





1) Play: Click it to play the video of the camera

2) Stop: Click it to stop the video of the camera

3) Talk: Click the button and the icon will become to \Box , then talk to the microphone that connected with PC, people around the camera can here your voice. Click the icon again and stop talking.

4) Audio: Click this icon, the icon will become to **Q** you can hear the sound around the camera by the earphone or speakers that connected with PC.

5) Snapshot: Click it to make snapshot and it pop-up a window which picture you snapshot, right click in the window and save the picture to anywhere you want.

6) Record: Click the icon and the camera start recording, you can see a green dot in the live window. Click again and stop recording. The default storage path is C:\IPCamRecord. You can change the storage path: Go to Settings- >Record->Storage Location panel.

7) Full Screen: Click it to make full-screen, or you can double click the surveillance screen to make full-screen. Double click again and exit full-screen.

Onscreen Mouse Control

Right click the mouse and you can adjust the screen ration, full screen and Zoom up.



Figure 5.11

Keep ration: Select it and the camera will adjust the size of live window based on the the computer monitor automatically. Sometimes there is a black border around the video, please select Keep ration to get a better visual quality .

Full Screen: Select it and Click it to make full-screen, press ESC and exit full-screen.

Zoom up/down: Here is a convenient and fast solution to Zoom up/down screen by Clicking Video Screen and adjusting Mouse pulley, or by press the CTRL key and click the mouse left button. Or: Click it and the live view will be digital zoomed up, then click Zoom Down and the live view back to original size.



Figure 5.12

When you select the Full Screen, then click right mouse, there is a Screen PTZ button.

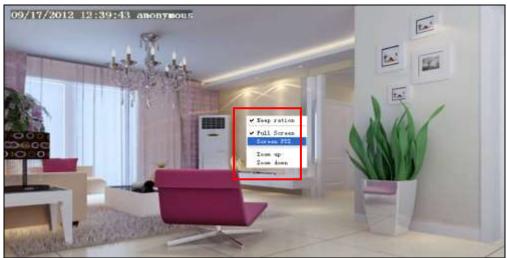


Figure 5.13

Click the Screen PTZ button and put the mouse on the screen to indicate the camera move direction you prefer, press the left mouse, the camera will move to the corresponding direction. Loosen the mouse and stop moving. Press Esc button or double click right mouse and cancel the function.

NOTE: For Mac OS, the plugin cannot support Onscreen Mouse Control, so you cannot allow to use it.

6 Advanced Camera Settings

Click the button "Settings", goes to Administrator Control Panel to make advanced camera settings.

6.1 Status

Status contains four columns: Device Information, Device Status, Session Status and Log, it will show you various information about your camera.

6.1.1 Device Information

Status		Device Information
Device Status		(
Session Status	Camera Model	FC3401P
Log	Camera Name	FC3401P
Basic Settings	Camera ID	201402141016
Network		
Video	Camera Time	1970/01/07 21:33:16
Alarm	System Firmware Version	1.4.1.0
Record	Application Firmware Version	211.1.7
PTZ	Plug-In Version	20211
Firewall		

Figure 6.1

Camera Model: The camera model no.

<u>Camera Name:</u> The Device Name is a unique name that you can give to your device to help you identify it. Click Basic Settings and go to Camera name panel where you can change your camera name. The default device name is anonymous.

<u>Camera ID</u>: Display the wired MAC address of your camera. For example Device ID is 000C5D00008, the same MAC ID sticker is found at the bottom of the camera.

<u>Camera Time</u>: The system time of the device. Click Basic Settings and go to Camera time panel and adjust the time.

<u>System Firmware version</u>: Display the System Firmware version of your camera.

<u>App Firmware version</u>: Display the application firmware version of your camera.

Web version: Display the web UI version of your camera

<u>Plug-in version</u>: Display the plug-in version of your camera

6.1.2 Device Status

On this page you can see device status such as Alarm status/ Record Status ,DDNS status ,WIFI status and so on.

Device Information		(C. 1917)
Drive Date: 100 H	1	- Astron
Service States	Alarm thatus	Dueseo
Liip	Record Status	Not Recording
Basic Settings	SD Card Status	No SD card
Network	SD Card Free Space	OKE
Mdee	1	
Alam	SD Card Total Space	OKB
Record	NTP Status	Fided
PTZ	DON'S Status	Disabled
Fireal	UPnP Status	Disabled
System	WWF1 Status	Not connected
	IR LED Status	OH

Figure 6.2

6.1.3 Session Status

Session status will display who and which IP is visiting the camera now.

Status Device Procession Device Status	2	Session Statu		(- Retroin
C	1 <	Usemame	F Address	
Comp		futuren	172.16.3.10	
Basic Settings		Maxes re-	Louis avenue	

Figure 6.3

6.1.4 Log

The log record shows who and which IP address accessed or logout the camera and when.

				(co.Re
	Pages 83		4	ct 23>> 6e
NO.	Time	User	P	Log
1	2012-09-18 02:11:45	admin	192 168 1 102	liter off line
4	2012-09-18 01 27:54	age to	218.17.160.187	Log out
4 5				- \
4	2012-09-18 01 27:54	admin	218 17 160 187 192 168 1 100 Fill in one	Log out Log out page number, click Go bu
4	2012-09-18 01 27-54 2012-09-18 01 26 21	admin admin	218 17 160 187 192 168 1 100 Fill in one	Log out
4 5 6	2012-09-18 01 27:54 2012-09-18 01 26:21 2012-09-18 01 25:42	admin admin admin	218 17 160 187 192 168 1 100 Fill in one	Log out Log out page number, click Go bu
4 5 6 7	2012-09-18 01 27:54 2012-09-18 01 26:21 2012-09-18 01 25:42 2012-09-18 01 25:15	admin admin admin admin	218 17 160 187 192 168 1 100 Fill in one and go to	Lag out Lag out page number, click Go bu the corresponding page.

Figure 6.4

Reboot the camera and clear the log records.

6.2 Basic Settings

This section allows you to configure your camera's Name, Time, Mail, User account and Multi-Device.

6.2.1 Camera Name

Default alias is anonymous. You can define a name for your camera here such as apple. Click Save to save your changes. The alias name cannot contain special characters.

Status		Camera Name
Basic Settings		(Save_) (Retesh)
Camera Time		anonymous
Litter Accounts	Camera Name	The maximum Device Name length is 20, support English, numbers, letters and symbol
MultCarrels		

Figure 6.5

6.2.2 Camera Time

This section allows you to configure the settings of the internal system clocks for your camera.

Status	£	Camera Time	
Basic Settings	1		Refresh
Carrena Norte			upican
Carress Title	Time Zone	(GMT) Greenwich mean time: London, Usbon.	
User Accounts			
Likuti-Carrena	Sync with NTP server (5	
Network)		
.Video).		
Alarm) (2014-1-9	
Record	PC Time	-AUT+-1-2 BAD 21-BAD 21-BAD 21-	
PTZ	1	Sine with PC	
Frival	Date Format	YYYY-404-00	
System	Time Format	24-hour	
	use DST		
	Abead Of Time	0 - Minute	

Figure 6.6

<u>Time Zone</u>: Select the time zone for your region from the drop-down menu.

Sync with NTP server: Network Time Protocol will synchronize your camera with an Internet time server. Choose the one that is closest to your camera.

<u>Sync with PC:</u> Select this option to synchronize the date and time of the Network Camera with your computer.

<u>Manually:</u> The administrator can enter the date and time manually. Note select the date and time format.

<u>Use DST</u>: Select use DST, then select daylight saving time from the drop-down menu.

Click Save button and submit your settings.

6.2.3 User Accounts

Here you can create users and set privilege, visitor, operator or administrator. The default user account is admin, with a blank password. You can enter the users accounts of visitor, operator and administrator Manually.

				(frank
		e		(illuses.
NO.	Usemane	Privilege	Usemane		
- t -	admin	Administrator	Privilege	Visitor	
2		Administrator	0	Change usemaine	
			-1	Change password	
-4					
6					
6					
7					
8					
	1 2 3 4 6 7	t admin 2 a 3 4 6 7	I admin Administrator 2 a Administrator 3	t admin Administrator 2 a Administrator 3	NO. Username Privilege t admin Administrator 2 a Administrator 3 Administrator Change username 4 Change username 6 Change username 7 Change username



How to change the password of administrator?

Firstly, select the account of administrator, then select "Change password", enter the old password and the new password, lastly click modify to take effect.

		User Acc	counts	
				Refresh
NO.	Username	Privilege	Username	admin
1	admin	Administrator	Password	
2	а	Administrator	New password	
3			Security Level	
4			Confirm the password	
5			Privilege	Administrator
6				Change username
7				Change password
8				Modify
The maxim The maxim	um username length is 20, um password length is 12, i	including numbers, letters a ncluding numbers, letters a	and symbols @ \$ * nd symbols ~ ! @ # * () _ { }	:" <>?`-;'./

How to add account ?

Figure 6.8

Select one blank column, then enter the new user name, password and privilege, last click Add to take effect. You can see the new added account on the Account list.

*
cluding numbers

Figure 6.9

W20		2.3	
NO.	Username	Privilege	Usemame test
1)	admin	Administrator	Privilege Administrator w
2	tect	Administrator	Change usemame
з			Change password
4			Delete
6			The maximum username length is 20 including numbers,
6			letters and symbols @ \$ *
7			The maximum password length is 12 not including the

Figure 6.10

<u>Delete</u>: Select the account you want to delete, then click Delete button to take effect.

NOTE: The default admin account cannot be deleted, but you can add other administrator users.

6.2.4 Multi-Camera

If you want to view multi-surveillance screens on one window, you need to login one camera, and set it as the main device, and do Multi-Device Settings, add other cameras to the first one camera. Before you do multi-cams settings, you need to assign different port such as 81, 82, 83, 84, 85, 86, 87, 88 to the cameras if there is 8 cams installed. The firmware within the camera can support a maximum of 9 devices monitoring all at the same time. This page you can both add MJPEG and H.264 series cameras to the first camera and view multi-surveillance screen on one window.

Add cameras in LAN

In Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is the default one. You can add more cameras in the list in LAN for monitoring. The camera's software supports up to 9 IP Cameras online simultaneously. Click The 2nd Device and click the item in the Device List in LAN, the Alias, Host and Http Port will be filled in the boxes below automatically. Enter the correct username and password then click Add. Add more cameras in the same way.

	Anonymous(172,16.0.33)		
Cameras On LAN	Ec2401F(1/221E0113) Anonymous(1/216.0.13) Anonymous(1/216.0.23) Anonymous(1/216.0.63)		
	Refresh	1 Click it, camera	
The 1st Camera	This Camera	model, alias, host and HTTP Port will be filled in the following boxes automatically	
The 2nd Camera	None		
Camera Model	H264		
Camera Name	FC2401P 172.16.0.113		
Host			
HTTP Port	34100		
Media Port	34100		
Jsemame	admin		
Password			
lick Add to take effect	Add Delete		
	2 8	nter the User name and	

<u>Camera Model:</u> Our Company produces two series cameras: MJPEG and H.264. Here will show you which series the camera belongs to.

		Refresh
Cameras On LAN	anonymous(192.168.11.193) anonymous (192.168.11.241) anonymous(192.168.11.203) anonymous(192.168.11.243)	Refresh
The 1st Camera	This Camera	
The 2nd Camera	anonymous(192.168.11.203)	
The 3rd Camera	anonymous(192.168.11.241)	
The 4th Camera	anonymous(192.168.11.203)	
The 5th Camera	None	
The 6th Camera	None	
The 7th Camera	None	
The 8th Camera	None	
The 9th Camera	None	
Note: If you want to access y	our camera remotely, make sure you	are able to access it seperately through a browser.

Figure 6.12

Back to Surveillance Windows, and click Four Windows option, you will see four cameras you added.



Figure 6.13



Figure 6.14

Add cameras in WAN

If you want to view all cameras via the internet(remote computer), you will need to add them using DDNS domain name. Firstly, make sure all of the cameras you added can be accessed through the internet. (Read How to configure DDNS settings in chapter 6.3.3) Login to the first camera using a DDNS domain name and port.

Second Second	mylpcamera org 8000			4
IFCa Client				
	Use DDN	S domain nan	ne and port to login. an/Tilt IP Car	nera
Status Device Internation	Devic	e Status		
	14		(=).84	esh-
Section Status		Alam Status	Disates	
Lag		ID Alam Blatus	Ne slam	
Basic Settings		NTP Status	Friet	
Network		DONS Status	Success http://all471.mypcanaua.org.9000	
Video				
Aarn		UPt/P Status	Success	
Record		R LEO Status	On	
PTZ			Make sure each camera	
Firewall			need add could login	
System			DDNS name and po	rt.

Figure 6.15

Click Multi-Device Settings. Choose The 2nd Device. Fill in the 2nd camera's name, DDNS domain name, port number. Enter user name and password and then choose Add. (Figure 6.19)

		Refresh
Cameras On LAN	anonymous(192.168.11.20) anonymous(192.168.11.243) anonymous(192.168.11.203)	Refresh
The 1st Camera	This Camera	
The 2nd Camera	anonymous(192.168.11.203)	
Camera Model	MJ 🔹 🔶	1
Camera Name	apple	2
Host	Camera.no-ip.info	
HTTP Port	801	3
Media Port	801	
Usemame	admin	4
Password		
	Add Delete	
The 3rd Camera 5	None	
The 4th Camera	None	

Figure 6.16

1) The camera model: MJ or H264.

2) The 2nd camera's name

3) Fill in the 2nd camera's DDNS host not LAN IP

NOTE: The MJ series have the same HTTP Port no. and Media Port no.

- 4) Enter the 2nd camera's user name and password
- 5) Click Add button and to take effect

NOTE: Here the Host must be entered as the second camera's DDNS domain name, not its LAN IP.

Device List in LAN	apple(192.168.13.102) mycamera(192.168.13.108) ipcam(192.168.13.107)		
The 1st Device	This Device		
The 2nd Device	apple(camera.no-ip.info)		
The 3rd Device	ipcam(testD1.myipcamera.org)		
The 4th Device	mycamera(owlejww.no-ip.info)		
The 5th Device	None		
The 6th Device	None		
The 7th Device	None		
The 8th Device	None		
The 9th Device	None		

Figure 6.17

Return to video window. You will see all of the cameras accessible through the internet. When you are away from home, you can use the first camera's DDNS domain name and port to view all the cameras via internet.



Figure 6.18

6.3 Network

This section will allow you to configure your camera's IP, PPPoE, DDNS, Wireless Settings, UPnP and Port.

6.3.1 IP Configuration

If you want to set a static IP for the camera, please go to IP Configuration page. Keep the camera in the same subnet of your router or computer.

Status	2	IP Configuration	n
Basic Settings	2		Save Refresh
Network	Jacobserverse		
(IP Configuration	Obtain IP From DHCP		
Wireless Settings	IP Address	172.16.0.202	
PPPoE	Subnet Mask	255 255 0.0	
DDNS	Contraction P.		
UPnP	Gateway	0.0.0.0	
Part	Primary DNS Server	0.0.0.0	
Mud Settings	Secondary DNS Server	0000	
FTP Settings		\$1743340	
P2P	Note Once you save your settin	gs. the camera will restart.	

Figure 6.19

Changing settings here is the same as using the IP Camera Tool. (Figure 6.20/6.21) It is recommended that you use the subnet mask, gateway and DNS server from your locally attached PC. If you don't know the subnet mask, gateway and DNS server, you can check your computer's local area connection as follows: Control Panel \rightarrow Network Connections \rightarrow Local Area Connections \rightarrow Choose Support \rightarrow Details.

Network Connections			
ile Edit View Favorites To	ols Advanced Help		A
🌀 Back 🔹 🕥 - 🏂 🎾	Search 🌔 Folders 🛄 -		
ddress 🔍 Network Connections			✓ 🗗 G
Network Tasks	LAN or High-Speed Internet	📥 Local Area Connection Status	2 🔀
Network Tasks 🛞	Local Area Connection	General Support	
Create a new connection	Connected, Firewalled Realtek RTL8139/810x Fa		
Set up a home or small office network.		Address Type:	Assigned by DHCP
Change Windows Firewall settings		IP Address:	192.168.0.50
Disable this network device		Subnet Mask:	255.255.255.0
🔌 Repair this connection		Default Gateway:	192.168.0.1
Rename this connection	Click h	ere Details	
View status of this connection			
Change settings of this connection		Windows did not detect problems with th connection. If you cannot connect, click Repair.	

Figure 6.20

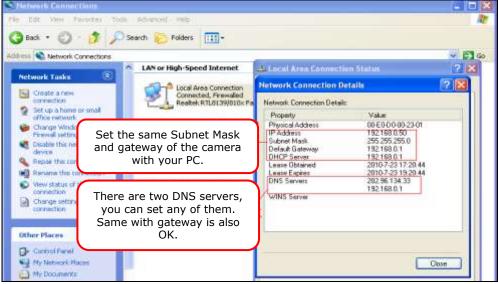


Figure 6.21

If you don't know the DNS server, you can use the same settings as the Default Gateway.

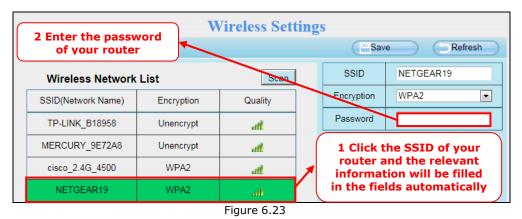
6.3.2 Wireless Settings

<u>Step 1:</u> Choose "Settings" on the top of the camera interface, and go to the "Network" panel on the left side of the screen, then click "Wireless Settings." Click the Scan button and the camera will detect all wireless networks around the area. It should also display your router in the list.

e Refresh	C L. Bay			
	SSID	Scan	List	Wireless Network
None	Encryption	Quality	Encryption	SSID(Network Name)
		aff	Unencrypt	TP-LINK_818958
lick the Scan	🔪 сі	att	Unencrypt	MERCURY_9E72A8
on to search for		ut	WPA2	ciaco_2.4G_4600
eless networks.	wire	att	WPA2	NETGEAR19
		att	WPA2	EPS
lick the Page umber to see		att	WPA2	WUXIAOCHUAN
ther wireless		att	Unencrypt	TP-LINK_CB209C
vorks devices if	netv	att	WPA2	TP-LINK_liyo
e are more than 10.	-> there	att	WPA2	CM512-684556
			WPA2	TP-LINK_wyy

Figure 6.22

<u>Step 2:</u> Click the SSID (name of your router) in the list, the corresponding information related to your network, such as the name and the encryption, will be filled into the relevant fields automatically. You will only need to fill in the password of your network. Make sure that the SSID, Encryption and the password you filled in are exactly the same for your router.



<u>Step 3:</u> Please click on the Save button after all settings have been entered and disconnect the network cable. Never shut down the power of the camera until the IP camera is able to connect to the wireless network.

The LAN IP address will disappear on the window of IP Camera Tool when the camera is configuring a wireless connection. Wait about 1 minute, the camera should obtain a wireless connection and the LAN IP of the camera will show again on the IP Camera Tool window. The IP address may have changed after the camera receives a wireless connection and we recommend setting a static local IP address if this IP address changes by right clicking the camera in IP Camera Tools, setting a static IP and pushing OK (figure 6.36). Congratulations! You have set up the wireless connection of the camera successfully.

NOTE: If you fail to make a wireless connection, please refer to your seller.

WPS (Wi-Fi Protected Set-up)

<u>Step 1)</u> Press and hold the WPS button for two seconds. (figure 3.2 shows the WPS button)

Step 2) Press the WPS button on your router within 60 seconds. The WPS button is usually on the back or side of your router. On some routers, you may need to log in to the web interface and click on an on-screen button to activate the WPS feature. If you are not sure where the WPS buttons is on your router, please refer to your router's User Manual.

The camera will automatically create a secure wireless connection to your router. If you have plugged in the network cable, please plug it out. The IP Camera Tool will search the camera's LAN IP. Make sure the PC and the camera share the same subnet.

NOTE: The security mode of router cannot be WEP, or else the WPS settings may be failed.

6.3.3 PPPoE

If you are using a PPPoE connection, enable it and enter the User Name and Password for your PPPoE account.

Status	0	PPPoE
Basic Settings		CONCEPT
Network		(Save) (Retesh)
P Configuration	Use PPPoE [2]	
Wireless Settings		
ISTRUE	PPPoE account	The maximum length of the user name is 20, support numbers, letters and symbols @ \$
DONS		
UPNP		
Port		
Mai Settings	PPPoE password	The maximum password length is 12, including numbers, letters and symbols -1 @ #*()
FTP Settings		$= \{\{e_{i}, e_{i}\} \in \mathbb{R}^{n} : e_{i} \in [0, \dots, l]$
P2P	2.72	
Video	Note Once you save your s	attings, the camera will restart.

Figure 6.24

6.3.4 DDNS

Each camera has embedded a unique DDNS domain name when producing, and you can directly use the domain name, you can also use the third party domain name.

IP Camera domain name

Here take a33471.myipcamera.org for example. Go to option of DDNS on the Settings->Network panel, you can see the domain name.

Status	1	DDNS	
Basic Settings	L	DDNO	
Network			Save Save
IP Configuration	Enable DDNS 👔		
Wreiess Settings	Manufacturer's DDNS		
PPPDE	Manufacturer's DDNS	a33471.myipcamera.org	Restore CONS to factory
DONS)	1	- Louise and Sourcessingly	
UPnP	Third Party DDNS		
Port	The second data second	145555	-
Mail Settings	DDNS Server	None	
FTP Settogs	Domain		
P2P		-1112	

Figure 6.25

Now you can use http:// Domain name + HTTP Port to access the camera via internet. Take hostname a33471.myipcamera.org and HTTP Port no. 800 for example, the accessing link of the camera via internet would be http:// a33471.myipcamera.org:8000

Restore DDNS to factory: If you have configured Third Party DDNS successfully, but you want to use Manufacturer's DDNS again , here click this button and start Manufacturer's DDNS Service.

Third Party Domain Name Settings

User can also use third part DDNS, such as www.no-ip.com, www. 3322.com. Here take www.no-ip.com for example:

① Step 1, Go to the website www.no-ip.com to create a free hostname

Firstly: Login on www.no-ip.com and click No-IP Free to register.

anaged DNS Provider	international many magning constantion integrate
g no ip	Services Why No IP? Download Support
Enhanced Dynamic DNS more features, flexibility & control Connect remotely to your computer, DVR, webcam or run- your own web server or website on a dynamic IP address. What is Dynamic DKS? Sign Up Now Up to 25 Hostnames	
Personal Use Dynamic DNS allows you to monitor your home remotely via veham, access your computer remotely, or even run your own server all on a dynamic IP address. e Remote Access e Quick Installation or Simple Domain Name Det Started	Business Use Trust our DNS experts with your web domains DNS management. Our Managed DNS will answe your website is fast, reliable and always available. 100% Uptime Guaranteed Trusted Anycast Network 11 Points of Presence Get Started

No-IP Free is our entry level service. Use yourname.no-ip.org instead of a hard to remember IP address or URL. With No-IP Dynamic DNS, our free Dynamic Update Client keeps track of your changing IP address and updates your hostname, keeping your connection active.



POP3 / IMAP Email Easily manage email accounts for your own domain and access your email from anywhere.



SSL Certificates

Ensure your website visitors are safe and secure by purchasing an SSL Certificate.

Figure 6.27

O Learn More

Uptime Guaranteed!

O Learn More

Please register an account step by step according to instructions on www.no-ip.com

After registration, please login your email which used to register. You will receive an email from website, please click the link to activate your ACCOUNT as indicated in email.

<u>Secondly:</u> Login the link with the registered username and password to create your domain name.

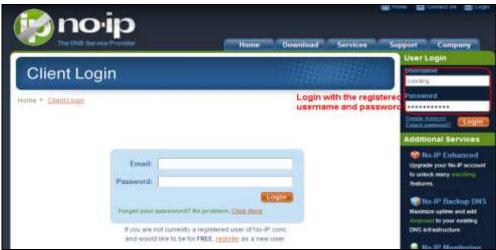


Figure 6.28



Figure 6.29

Please create the domain name step by step according to instructions on www.no-ip.com

Step 2, DO DDNS Service Settings within the Camera

Please set DDNS Settings within the camera by hostname, a user name and password you've got from www.no-ip.com. Take hostname ycxgwp.no-ip.info, user name ipcamera, password ipcamera2012 for example.

Firstly, goes to option of DDNS Settings on the administrator panel.

Secondly, select No-Ip as a server..

Thirdly, fill ipcamera as DDNS user, fill password ipcamera2012 as DDNS password, fill ycxgwp.no-ip.info as DDNS domain and server URL, Then click save to make effect. The camera will restart and to take the DDNS settings effective.

Fourthly, after the restart, login the camera, and go to option of Device Status on the administrator panel, and check if the DDNS status is successful.

If failed, please double check if you have input the correct hostname, user name, and password, and try to redo the settings.

NOTE: If you have set Third Party DDNS successfully ,the Domain Name will be invalid. The Third Party DDNS and the Domain Name cannot work at the same time, the last time you configured will take effect.

② Do port forwarding within the router

Example: The camera's LAN IP address is http://192.168.8.100:2000, Media port no. is 9200. Firstly, login the router, goes to the menu of Port Forwarding or Port Trigger (or named Virtue Server on some brands of router). Take Linksys brand router as an example, Login the router, and goes to Applications & Gaming->Single Port Forwarding. Secondly, Create a new column by LAN IP address & HTTP Port No. of the camera within the router showed as below.

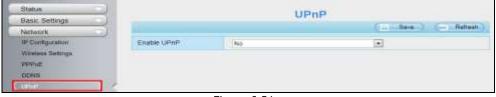
							Wireless	N H	ome Router	WRT120N
Applicati Gamii		s		eless Secur ing Port Range		ss Restrictions	Application Gaming	s & DM	Administration	Status QoS
Single Port	Forwarding	Γ.						1		
Applic	ation Name	1	External Port	Internal Port	Protocol	To IP Address	Enabled		Unio	
	None 💌		-			192.168.8			Help	
	None 🜱					192.168.8				
	None V			Port no. of he column		192.168.8				
	None 🗳	Ext	ternal Port ar	nd Internal Po	yrte -	192.168.8				
	None 🗸		- 1			192.168.8				
Http			2000	2000	Both 😪	192.168.8 100		Fi	I the LAN IP	of the came
Media		11	9200	9200	Both 💌	192.188.8 100		he	ere, just input t	he last section
		11			Bath 10	100.000				a i t
Assig name a like l	as you		car	nera on t	the col	o. of the umn of ernal Port		10		- 1 2



③ Use domain name to access the camera via internet

After the port forwarding is finished, you can use the domain name+ http no. to access the camera via internet. Take hostname ycxgwp.no-ip.info and http no 2000 for example, the accessing link of the camera via internet would be http:// ycxgwp.no-ip.info:2000

6.3.5 UPnP





The default UPnP status is closed. You can enable UPnP, then the camera's software will be configured for port forwarding. Back to the "Device Status" panel, you can see the UPnP status:

	- Rotesh
Alarm Status	Disabled
Record Status	Net Recording
NTP Status	Disable
DDNS Status	Success http://a33471.mytpcamera.org.6000
UPnP Status	Buccess
WIFI Statut	Not connected
IF LED Status	Of

Figure 6.32

The camera's software will be configured for port forwarding. There may be issues with your routers security settings, and sometimes may error. We recommend you configure port forwarding manually on your router (Figure 6.30).

6.3.6 Port

This camera supports HTTP Port / HTTPS Port/ ONVIF Port. HTTP Port is used to access the camera remotely. If you want to access the camera and view the video.

<u>HTTP port</u>: By default, the HTTP and Media port is set to 88. Also, they can be assigned with another port number between 1 and 65535. But make sure they cannot be conflict with other existing ports like 25, 21.

Status		Po	rt
Basic Settings			G Bave Avefirest
IF Cantautation	HITP PUR	88	
Vitremas Settings	HTTPS Port	143	
PPPEE DDNs	ONVIE Port	886	
UPHP			

Another way to change the HTTP port NO.

<u>Step 1:</u> Open the IP Camera Tool, select the camera you would like to change the port of, right click on the IP address, and click on "Network Configuration", this brings up the network configuration box as shown in Figure 6.35 and 6.36.

🕸 IP Camera Tool		
Camera name	IP Address	Device ID Device type
anonymous	Http Basic Properties Network Configurat Upgrade Firmware Refresh Camera Lis Flush Arp Buffer About IP Camera To	st Select which

Figure 6.34

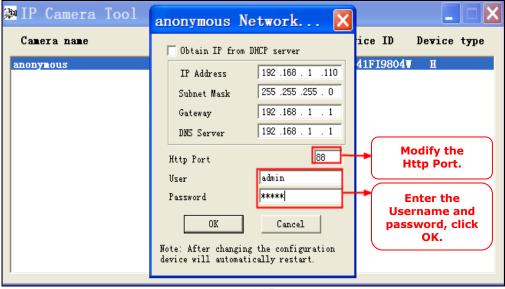


Figure 6.35

<u>Step 2:</u> Enter the username and password of the Administrator (default username is admin with a blank password), and click "OK" to apply changes.

<u>Step 3:</u> Wait around 10 seconds, you'll see that the camera's LAN IP address has changed. In our example it was changed to 2000, so we see http://192.168.1.110:2000 in IP Camera Tool. Also, the LAN IP address is now fixed at a static IP address of http://192.168.1.110:2000 . This IP address will not change even if the camera is powered off and back on, the camera will remain on this LAN IP address. This is very important that a static LAN IP address is set, or you may have problems later with remote access and seeing the camera remotely if the camera loses power and reconnects on a different LAN IP address. Make sure you set a static LAN IP address!

🕦 IP Camera Too	1	
Camera name	IP Address	Device ID Device type
anonynous	Http://192.168.1.110:2000	00841FI9804♥ H

Figure 6.36

If the camera cannot be accessed, please make sure the port forwarding is succeed.

ONVIF port: By default, the ONVIF port is set to 888. Also, they can be assigned with another port number between 1 and 65535(except 0 and 65534). But make sure they cannot be conflict with other existing ports.

HTTPS port: The default port is 443. You can use the URL to access the camera: https:// IP + HTTPS port.

RTSP function: RTSP URL rtsp:// [user name][:password]@IP:HTTP port number / videosream. The part in the square brackets may be omitted.

user name & password: The user name and password to access the camera. This part can be omitted. IP: WAN or LAN IP address.

Videostream: Here support three mode: videoMain, videoSub and audio. When the network speed is bad, here you had better select videoSub. If you select audio, you can only hear the sound but cannot see the video.

For example: IP: 192.168.1.11 HTTP Port number: 88 User name: admin Password: 123

Here I can enter one of the following URLs in the VLC.

rtsp://admin:123@192.168.1.11:88/videoMain rtsp:// @192.168.1.11:88/videoMain rtsp://:123@192.168.1.11:88/videoMain rtsp://admin@192.168.1.11:88/videoMain

Open the VLC, and go to Media. Open Network Stream option and enter URL into VLC.

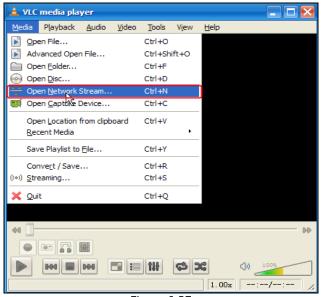


Figure 6.37

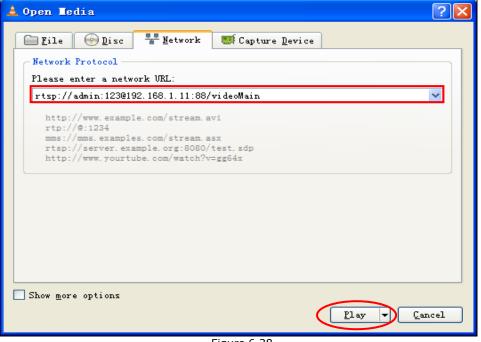


Figure 6.38

Sometimes you may need to enter the user name and password again. Click OK and you can see the real-time preview.



Figure 6.39

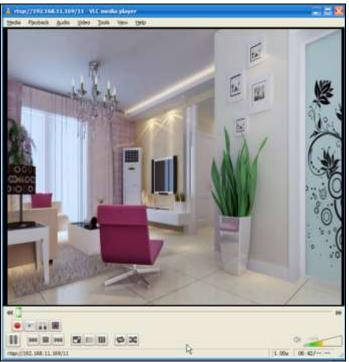


Figure 6.40

If you cannot play the video in the VLC player, please check the port mapping. You can read Quick Installation Guide about How to configure port forwarding.

NOTE: If you modify the camera's username or password, you had better reboot the camera, or else the new username and password cannot take effect when you enter the authentication in the VLC.

6.2.7 Mail Settings

If you want the camera to send emails when motion has been detected, here Mail will need to be configured.

Enable 🖓			_
SMTP Server	smtp.gmail.com		
Server	SMTP server address supports English	n, numbers and @	
SMTP Port	25		_
	STARITLS	<u>M</u>	
Transport Layer Security	G-Mail only supports TLS at Port 465	and STARTTLS at Port 587 or 25. Hot	mail only
	supports STARTTLS at Port 587 or 25		
Need Authentication	Yes		
	test123@gmail.com		
SMTP Username	The maximum length of the user name	is 63, support numbers, letters and s	ymbols
	05*-		_
SMTD Document			
SMTP Password	The maximum password length is 32, 1	does not support the character & =	
	Name and American A American American Ame	does not support the character & =	_ ,
SMTP Password Sender E-mail	The maximum password length is 32,		- (
	The maximum password length is 32,	Test	,
	The maximum password length is 32, 1 test 123@gmail.com	→ 3	-
Sender E-mail	The maximum password length is 32, liest123@gmai.com liest@163.com	→ 3	-
Sender E-mail	The maximum password length is 32, 1 test123@gmai.com test@163.com The maximum length of the receiver is	→ 3	-

Figure 6.41

<u>1) SMTP Server/ Port /Transport Layer Security</u>: Enter SMTP server for sender. SMTP port is usually set as 25. Some SMTP servers have their own port, such as 587 or 465, and Transport Layer Security usually is None. If you use Gmail, Transport Layer Security must be set to TLS or STARTTLS and SMTP Port must be set to 465 or 25 or 587, which port you choose should be decided by which Transport Layer Security you select.

2) SMTP Username/ password: ID account and password of the sender email address 3) Sender E-mail: Mailbox for sender must support SMTP

<u>4) Receiver:</u> Mailbox for receiver need not support SMTP, you can set 4 receivers <u>5) Save:</u> Click Save to take effect

<u>6) Test:</u> Click Test to see if Mail has been successfully configured.

Click Test to see if Mail has been successfully configured.

Mail Settings		67	Bave Refresh			
	Enable (2)					
	SMTP Server	smtp gmail com				
	OW IF OUVER	SMTP server address supports English, numbers and @				
	SMTP Port	25				
		STARTTLS				
	Transport Layer Security	G-Mail only supports TLS at Port 465 and STARTTL supports STARTTLS at Port 587 or 25.	.5 at Port 587 or 25. Hotmail only			
	Need Authentication	Yes	2			
	SMTP Usemane	lest123@gmai.com The maximum length of the user name is E3, suppo	of numbers, letters and symbols			
	SMTP Password		1			
		The maximum password length is 32, does not supp	port the character & =			
	Sender E-mail	test123@gmai.com	Tet Brann			
		test@163.com				
	First Receiver	The maximum length of the receiver is 63, support n	rumbers, letters and symbols @			
	Second Receiver	teet@hotmail.com	Test result			
	Third Receiver		\square			
	Fourth Receiver					

Figure 6.42

If the test success, you can see the Success behind the Test, at the same time the receivers will receive a test mail.

If the test fails with one of the following errors after clicking Test, verify that the information you entered is correct and again select Test.

1) Cannot connect to the server

2) Network Error. Please try later

3) Server Error

4) Incorrect user or password

5) The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again

6) The receiver is denied by the server. Maybe because of the anti-spam privacy of the server

7) The message is denied by the server. Maybe because of the anti-spam privacy of the server

8) The server does not support the authentication mode used by the device

6.3.8 FTP Settings

If you want to upload record files and images to your FTP server, you can set FTP Settings.

Status)		FTP Settings			
Basic Settings					
Network		(Save) (Refesh			
IP Configuration		ftp://192.166.1.103/dir			
Wheless Settings	FTP Server	Example: fp://192.168.1.105/dir			
PPRDE		The maximum length of the address is 127, does not support the character & =			
DIDNS	Port	21			
UPTP	Contraction of the	A CONTRACT OF A			
Port	FTP Mode	PORT			
Mut Settings		test			
FTP Willings	Usemame	The maximum length of the user name is 63, support Simplified Chinese, numbers,			
P2P		wittens and symbols _ @ \$ * #1			
Video)		••••			
Alarm.	Password	The maximum password length is 63, including numbers, letters and symbols - I @ # * (
Record		()(*)(<>7 ⁺ s, ⁴),)			
PTZ)	1 Text	-W Association			
Firewall	Test				
System					

Figure 6.43

Status		FTP Settings			
Basic Settings					
Network		(a state) (states)			
IP Configuration		fipultp.ingenseal.com			
Winiess Settings	FTP Server	Example tp://192.160.1.103/dz			
PPPoE		The maximum length of the address is 127, does not support the character & =			
DONS	Port	21			
UPmp					
Port	FTP Mode	PORT			
Mail Settings		lest			
Contration of the	Usemame	The maximum length of the user name is 63, support Simplified Chinese, numbers.			
P2P		letters and symbols _ @ 5 * # I			
Video					
Alarm	Password	The maximum password length is 63, including numbers, letters and symbols - I @#*			
Record		_() ^{-*} (<>?','), /			
PIZ	Treas.				
Frewall	Test				
System					

Figure 6.44

<u>FTP server</u>: If your FTP server is located on the LAN.

If you have an FTP server which you can access on the internet.

<u>Port:</u> Default is port 21. If changed, external FTP client program must change the server connection port accordingly.

FTP Mode: Here supports two modes: PORT and PASV.

<u>Username/password:</u> The FTP account and password.

Click Save to take effect.

Click Test to see if FTP has been successfully configured.

6.3.9 P2P

Access the IP Camera by Smart Phone (Android or iOS operating system). First of all, you need to open the P2P function of the IP Camera at "Settings \rightarrow Network \rightarrow P2P".

Status)		P2P		
Basic Settings		(
Network			an our charait	
IP Computition	UID	F3GTBJ6PTNUL8MPMYRE1		
Wwwess Settings	Enable P29			
PPPDE	P2P Port	59656		
DONS	-	12		
URIAP				
Port				
Mail Settings				
FTF Settings				
P2P.	2			

Figure 6.45

Search and install the application named "ebode" on Google Play for Android devices, or on APP Store for iOS devices. If you want to know more details of the iOS APP or Android APP, see the *iOS App User Manual* or *Android APP User Manual*.

6.4 Video

This section allows you to configure Video stream settings, On screen display and Snapshot settings.

6.4.1 Video Settings

There are two ways to set the stream video settings. They are main stream video settings and sub stream video settings.

Status		Video Settings		
Basic Settings			Save Retrati	
Network				
Video	Main stream video settings			
Valeo Nethigo	Stream Type	Ð		
On Somen Display	Resolution	720P		
Privacy Zone Snapshot Settings	Bit Rate	24		
IR LED Schedule	Frame Rate	30		
Alarm	Key Frame Interval	30	1	
Record	Sub stream video settings			
PTZ	Steam Type	0		
Firewall	Resolution			
System		VGA(640*488)		
	Bit Rate	012K	(H)	
	Frame Rate	16	+	
	Key Frame Interval	40		



Stream type: There are four types to identify different streams you have set.

<u>Resolution:</u> The camera supports multiple types, For example: 960P, 720P, VGA, QVGA. The higher the resolution is, the clearer video will become. But the code flux will become larger too, and it will take up more bandwidth.

<u>Bit rate:</u> Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video cannot play well.

<u>Frame rate:</u> Note that a larger frame size takes up more bandwidth. When the video format is 50Hz, the maximum frame rate is 25 fps. When the video format is 60Hz, the maximum frame rate is 30 fps. You should lower frame rate when the bandwidth is limited. Normally, when the frame rate above 15, you can achieve fluently video.

<u>Key Frame Interval:</u> The time between last key frame and next key frame. The shorter the duration, the more likely you will get a better video quality, but at the cost of higher network bandwidth consumption.

6.4.2 On Screen Display

This page is used to add time-stamp and device name on the video.

Status		OSD	
Basic Settings			Save Refest
Network			
Video)	Display Timestamp	Yes	
Video Settings	Display Camera Name	Yes	*
On Second Disks			
Privacy Zone			
Shapshot Settings			
IR LED Schedule			

Figure 6.47

<u>Display Timestamp</u>: There are two options: Yes or NO. Select Yes and you can see the system date on the video.

<u>Display Camera Name</u>: There are two options: Yes or NO. Select Yes and you can see the device name on the video.

6.4.3 Privacy Zone

This page is used to set some mask as privacy zone on the video.

Status	Privacy Zone		
Basic Settings			Save Retech
Vetwork			Constant (Constant
/ideo 📃	Allow Privacy Zone	No	
rideo Settings			
On Screen Deplay			

Figure 6.48

<u>Allow On Screen Display Mask:</u> There are two options: Yes or NO. Select Yes, then click "Set Privacy Zone" and draw a privacy area on the video, the privacy area will be black on the video.



Figure 6.49

Click OK button and return to the page, click Save to take effect. Back to the surveillance window, you can see the mask area as the following picture:



Figure 6.50

6.4.4 Snapshot Settings

On this page you can set the snapshot pictures' image quality and the storage path.

Status	Snapshot Settings		
Basic Settings	Save Refest		
Network		L	
Video	Manual snap Quality Medium		
Video Setlings	Alarm Pictures Save To FTP		
On Screen Display Privacy Zone	Enable timing to capture gr		
Snapshit Sellings	Capture Interval 2 (1-65535s)		
IR LED Schedule	😨 Schedue		
Alarm	AL 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22	23	
Record	HON		
PTZ	TUE		
Firewal	WED		
System	1HJ		
oyoum	FRI		
	SAT		
	SUN		

Figure 6.51

<u>Manual snap Quality:</u> Low, middle and high. The higher the quality, the picture will be clearer.

<u>Alarm Pictures Save To:</u> FTP or SD Card. If you have done FTP and Alarm settings, when alarming, the camera will snap pictures to the FTP automatically. If select SD Card as the save path, make sure the camera has inserted in the SD card.

Enable timing to capture

To enable capture interval, follow the steps below:

- 1 Select Enable timing to capture
- 2 Capture interval: The interval time between two captures.
- 3 Select the capture time
- Capture anytime, click the black button up the MON, you will see all time range turn red. When something moving in the detection area at any time the camera will capture.
- Specify an capture schedule, Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, the camera will capture.
- Press the left mouse and drag it on the time boxes, you can select the serial area,
- 4 Click Save button to take effect.

6.4.5 IR LED Schedule

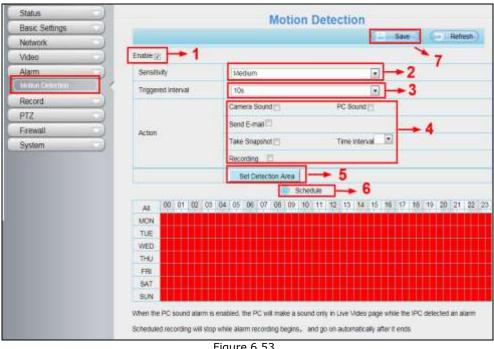
On this page you can set the schedule time for switching IR LED lights. When parameter Mode is set to the Schedule on the Live Video window, at these schedule time, the IR LED lights will be turned off.



Figure 6.52

6.5 Alarm

IP Camera supports Motion Detection Alarm, when the motion has been detected, it will send emails or upload images to FTP.





To enable motion detection, follow the steps below:

1) Enable Motion detection

2) Sensitivity: It supports five modes: Lowest, Lower, Low, Medium and High. The higher the sensitivity, the camera will be more easily alarmed. Select one motion sensitivity. Step 3) Trigger interval: The interval time between two motion detections. Here supports 5s/6s/7s/8s/9s/10s/11s/12s/13s/14s/15s. Select one interval time. Step 4) Select the alarm indicator

When the motion has been detected, the alarm status will turn to Detect alarm.

Status Device information	D.	Device Status
(Device Tablus	1	(-).Refeat.)
Session Status	Alarm Status	Detect alarm
iog	Recording Status	Not Recording
Basic Settings	SD Card Status	No SD card
Network.		
Video	SD Card Free Space	DKB
Alarm	SD Card Total Space	0KB
Record	NTP Status	Faled
PTZ	DONS Status	Success http://a33471.myspcamera.org.88
Firewall	UPnP Status	Success
System	WFI Status	Not connected
	IR LED Status	Off

Figure 6.54

There are four alarm indicators:

A Camera Sound and PC Sound

If the camera has connected with a speaker or other audio output device, if you select Camera Sound or PC Sound, when the motion has been detected, the people around the camera will hear beep alarm sound.

B Send E-mail

If you want to receive alarm emails when motion is detected, you must select Send Email and set Mail Settings first. The alarm email cannot contain the alarm picture if you have not selected Take Snapshot.

<u>C Take Snapshot</u>

If you select this checkbox, when the motion has been detected, the camera will snap the live view window as a still picture and load it to the FTP. Make sure you have set FTP and set FTP as the storage path in Video->Snapshot settings panel.

If you select Send Email, at the same time the picture will be send to you as an attachment. Capture interval: The interval time between two pictures.

D Recording

If you select this checkbox, when the motion has been detected, the camera will record automatically and store the record files to the SD Card. Make sure the camera has inserted SD card and you have set the SD card as the Alarm record files storage path, please go to Record—> Storage location page to verify this settings.

The default alarm record time is 30s and pre-alarm record time is 5s, please go to Record—> Alarm Record page and change the alarm time settings.

5) Set detect area

Click set detect area and it pop up a window, then you can draw the detection area. Click OK button after settings. When something moving in the detection area, the camera will alarm.



Figure 6.55

Step 6) Alarm Schedule

(1) Alarm anytime when motion is detected

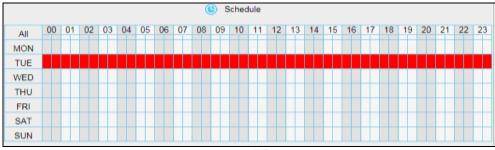
Click the black button up the MON, you will see all time range turn red. When something moving in the detection area at any time, the camera will alarm.



Figure 6.56

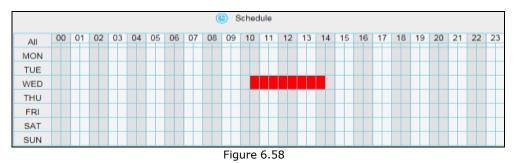
(2) Specify an alarm schedule

Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, when something moving in the detection area, the camera will alarm.





③ Press the left mouse and drag it on the time boxes, you can select the serial area.



Step 7) Click Save button to take effect.

When the motion has been detected during the detection time in the detection area, the camera will alarm and adopt the corresponding alarm indicators.

<u>NOTE:</u> You must set the detection area and detection schedule, or else there is no alarm anywhere and anytime.

6.6 Record

This section will allow you to change the record files storage path and the record time.

6.6.1 Storage Location

On this page you can change the alarm and manually recording storage path.

Status	Storage Location				
Basic Settings					
Network			Save Actiesa		
Video	Recording Location	FTP			
Alarm	Local Recording Location	ciliPCanRecord	Browse		
Record	Recording Location is used for ala	im recordings and schedule recording	105		
BITERLARD	The local recording must be stored	d in local storage. The default Windo	ws storage location is "c1PCamRecord". The default		
Alarm Recording	Mac OS storage location is MPCa	mRecord" If you modify the path on	other Foldam cameras. This default storage location		
Local Alam Recording	will be modified accordingly.				
Scheduled Recording	will be indused accordingly.				
SD Cartt Management					

<u>Recording Location</u>: SD card or FTP. When the camera alarmed, it will store the alarm files to the SD card or FTP. Make sure the camera has been inserted the SD card. On this page, you can see the available space of the SD card.

Local Recording Location: For Windows OS, the location recording path is c:/ IPCamRecord, you can change another one. For MAC OS, the manual recording path is: / IPCamRecord.

6.6.2 Alarm Recording

This page you can change the Pre-record time and Alarm record time.

Status	Alarm Recording		
Basic Settings		Addini Neco	
Network	-		(Save) (Refresh)
Video	Enable Pre-Record (2)		
Alam	Pre-recorded Time	56	
Record	Alarm Recording Time	306	
Storage Location		1222	
Alarm Recording			
Local Atam Recording			
Scheduled Recording			
5B Card Management			

Figure 6.60

The default Pre-recorded time is 5s and the alarm record time is 30s, you can change another time, click Save button to take effect.

6.6.3 Local Alarm Recording

This page you can enable the local alarm record and Local Alarm record time.

Status	Local Alarm Recording		
Basic Settings		Local Martin N	
Network			(Save) (Retesh)
Video	Enable Local Alarm Recording (2)		
Alarm)	Local Alarm Recording Time	305	
Record)			
Storage Location			
Alarm Recording			
Local Alarm Recording			
Scheduled Recording			
SD Card Management			

Figure 6.61

6.6.4 Scheduled Recording

On the page you can configure the schedule record.

When the parameter Recording Location is set SD Card on the Storage Location page, you can configure parameters as shown in follow figure.

Status									i	-			-	en.			c D	-		n.					
Basic Settings		Scheduled Recording To SD Card																							
Network																	10	-	Sava	-2		- 22	Ham	2543	
Video 💿	Enable 5	iched	uled	Reco	rding	193																			
Alarm	Enabl	Enable Long-time recording				No										•									
Record																									
Bitorage Location	Recor	Record frame Record full strategy				a	Cover I					•													
Alarm Recording	Recor											•													
Schubbled Torcality	Audio	Audio Record			•																				
SD Card Management	Stream	Stream			m Main stream 💌																				
PTZ)										0	E	dit S	ched	uled	Rec	indin	g								
Frewall		1.00	101	02	03	04	05	05	07	06	09	10	11	12	13	14	15	116	117	18	19	20	21	22	23
System	All		24	1010	T				T		111				-				F				T		
	TUE		H										H						-						
	WED		H										H								H				
	THU																								
	FRI																								

Figure 6.62

When the parameter Recording Location is set FTP on the Storage Location page, you can configure parameters as shown in follow figure.

cording y Main stream	Ed Recording To FT	Save Refrech
Main stream		
Main stream		
	(1) Edit Scheduled Recording	
	the second contract	
2 03 04 05 06 07 04	8 09 10 11 12 13 14 15 16	17 18 19 20 21 22 1
		; only supports SD card or FTP server will step while stam recording begins - and go on automatically after

Figure 6.63

Click Save button to take effect.

6.6.5 SD Card Management

This camera supports SD Card and the max size of SD card must be under 32G.

When you plug in the SD card during the camera work process, please reboot the camera again, or else the SD Card may be cannot work well.

Go to the Settings \rightarrow Device Status \rightarrow Device Status page, you can see the SD card status.

Owice Mematan	evice Status		
Deire Sinte			Rohest
Session Status	Alarm Status	No alare	
Log	Record Status	Nat Recording	
Basic Settings	SD Card Status	Ne SD card	
Network	SD Card Free Space	0KB	
Video	and the second sec		
Alarm	SD Card Total Space	0KB	
Record	NTP Status	Failed	
P12	CIDHS Status	Disabled	
Frewal	UPriP Status	Disabled	
System	WIFI Status	Net connected	
	IR LED Status	CF	

Figure 6.64

The default storage path of alarm record files is SD card, when the available size of SD card is less than 256M, the old record files will be deleted automatically.

6.7 PTZ

This page will allow you to change the pan/tilt speed and do cruise tracks settings.

6.7.1 Pan/Tilt Speed

There are five Pt speed types: very fast, fast, normal, slow and very slowly. Select the desired PTZ speed type and click save button .

Status	3	Pan & Tilt S	Speed				
Basic Settings							
Network			Save Retrest				
Video	Pan & Tilt Speed	Normal	×				
Alarm	Zoom speed	Fast	~				
Record							
PTZ	5						
Pan & Talispool							

Figure 6.65

NOTE: This camera does not yet support zoom speed!

6.7.2 Cruise Settings

This section explains how to add/ delete one cruise track.

Status		Cri	uise Settin	ne	
Basic Settings		on	ande oetun	95	(Balance
Network					Refresh
Video (Cruise Mode	Cruise time			
Alarm	Cruise time	15 Minute			
Record		Save			
PTZ		Jun			
Pan & Till Speed	Cruise Tracks	Vertical		Add Dek	to Save
Start-Up Options	Preset point			Cruise track Preset point	Dwek time
System	TopMost BottomMost LeftMost RightMost		Gelete Di(Liowity	TopMost BottomMost	1 Sec 1 Sec

Figure 6.66

Setting the Cruise Mode

There are two cruise mode: Cruise time and Cruise Loops.

Cruise time: Select Cruise time from Cruise Mode drop-down, then you can set the Cruise time of the camera.

Cruise Loops:Select Cruise Loops from Cruise Mode drop-down, you can set the Cruise Loops of the camera.

Click Save to take effect.

Cruise Mode	Cruise time
Cruise time	15 Minute
	Save
Cruise Mode	Cruise Loops
Cruise Loops	loops
	Save

Figure 6.67

Manage the Cruise Track

There are two default cruise tracks: Vertical and Horizontal. Vertical: The camera will rotate from up to down. Horizontal: The camera will rotate form left to right.

Add: Add one cruise track, then click save button. Delete: Select one cruise track and delete it. Save: After you modify the Dwell time, you should click Save button to take effect.

Example

How to do add cruise tracks ?

Firstly, Click Add button and enter a descriptive name to identify the cruise track.

Secondly: On the lower left of the page, you can see all preset points you have added. Select one preset point and click Add button, you can see the preset point has been added to the cruise track on the cruise track page. You need to add two or more preset points to the cruise track.

		Cruise Settin	gs	
				Refresh
Cruise Mode	Cruise t	ime 💌		
Cruise time	15 Minu	te 💌		
	Save			
Cruise Tracks	test The maximum	length of name is 20, suppo	OK Cano	
Preset point	The new adde	ed track name	Cruise track	
TopMost			Preset point BottomMost	Dwell time 1 Sec
BottomMost			LeftMost	2 Sec
LeftMost RightMost		Add	Ļ	
1 Select o preset poi		2 Click Add button.	Here you can preset point h added to one t you can set t time.	nas been rack. And the stay
		5. 6.60	L	

Figure 6.68

Thirdly: Click OK button and the cruise track will take effect.

You can add other cruise track as the same method.

For example: I have added three preset points to the "track 1", that means : When I select the "track 1" on the surveillance window, the camera moves as the following track: upright then Right Most last down left. You can add preset on the left of the surveillance window.

667	
Cruise	2
Preset Name downleft	Add the preset.
IR LED Lights Color Adjustment	$ \rightarrow $

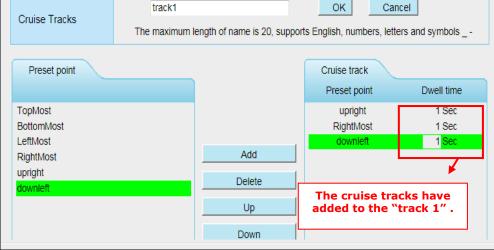


Figure 6.69

After add the cruise track, back to the surveillance window, click Cruise, here you can see all cruise tracks you have added.



Figure 6.70

There are other buttons between the Preset points and Cruise track, you can use these buttons to adjust the order of preset points or add/delete one preset points in one cruise track,

Preset point		Cruise track	
		Preset point	Dwell time
TopMost		upright	1 Sec
BottomMost		RightMost	1 Sec
LeftMost		downleft	1 Sec
RightMost	Add		
upright	Delete		
downleft	Delete		
	Up		
	Down		

Figure 6.71

Add: Select one preset points and add it to the selected cruise track.

Delete: Select one preset points you have added to one cruise track, click delete.

<u>Move up/ down</u>: Select one cruise track, adjust the order of preset points in one cruise track.

<u>Attention:</u> Considering the life time and thermal issue of the motor, it's not recommend to do long-time cruise.

6.7.3 Start-Up Options

Here section will allow you to set the stop position after the camera reboots. It supports three modes: Disable Start-Up, Go To Home Position and Go To Preset Position. Disable Start-Up: When rebooting, the camera will not pan / tilt.

<u>Go To Home Position</u>: When rebooting, the camera will pa Providing Central Management Software to manage or monitor multi-cameras n / tilt and stops at center.

<u>Go To Preset Position:</u> Select one preset position and save it. When rebooting, the camera will pan/ tilt and stops at the preset position you have set.

Status	le la	Start-Up Options	
Basic Settings	E .	and a property.	Save Refresh
Network	E .		a save - hencen
Video	Start-Up Option	Go To Home Position	
Alarm	h.		
Record	E.		
PTZ 💎	k		
Fat & Tit Speed			
Cruse Settings			
Start-Up Cederal	1		

Figure 6.72

6.8 Firewall

This section explains how to control the access permission by checking the client PC's IP addresses. It is composed of the following columns: Block access from these IP addresses and Only allow access from these IP addresses.

		Save	Refresh
Enable Firewall 🔽			
IP Filtering	Block access from these IP addresses	~	
	Block access from these IP addresses Only allow access from these IP addresses		
IP Address #1			
IP Address #2			
IP Address #3			
IP Address #4			
IP Address #5			
IP Address #6			
IP Address #7			
IP Address #8			

Figure 6.73

Enable firewall, If you select Only allow access from these IP addresses and fill in 8 IP addresses at most, only those clients whose IP addresses listed in the Only allow access from these IP addresses can access the Network Camera. If you select Block access from these IP addresses, only those clients whose IP addresses are in the IP list cannot access the Network Camera.

Click Save to take effect.

6.9 System

In this panel, you can backup/restore your camera settings, upgrade the firmware to the latest version, restore the camera to default settings and reboot the device.

6.9.1 Back-up & Restore

Click Backup to save all the parameters you have set. These parameters will be stored in a bin file for future use.

Click Browse and select the parameters file you have stored, then click Submit to restore the restore the parameters.

Backup is used to save your current settings. It is recommended to backup your configuration before modifying or
upgrading firmware. Backup
Settings can be restored by uploading the backup file.
Path: Browse Submit
Note:
1. All current settings will be lost when importing a configuration file. If an incorrect file is loaded, the camera may stop
working correctly.
2. Keep the power on during this process, or you may damage your camera. Your camera will reboot automatically once
restoration is completed.
Figure 6.74

6.9.2 System Upgrade

Your current firmware version will be displayed on your screen. You may go to the Device Status \rightarrow Device Information Page to check for the latest firmware versions available.

Click Browse, choose the correct bin file and then click System upgrade. Make sure you have unplugged the SD card. Don't shut down the power during upgrade. After upgrading, you can see the upgrade result.

Browse System Upgrade	
Upgrade Result	

Figure 6.75

Upgrade Firmware by IP Camera Tool

Double click the IP Camera Tool shot icon \mathbb{B} , select the Camera IP that you want to upgrade the firmware. Then select Upgrade Firmware and enter the username and password, choose the firmware file, and upgrade.

🔉 IP Camera Tool			
Camera name	IP Address	Dewice ID	Device type
	Basic Properties Network Configuration Upgrade Firmware Refresh Camera List Flush Arp Buffer About IP Camera Tool	} 00626E4D8∆55	H



🐉 IP Camera Tool			
Camera name	IPCAM Upgrade Fi 🔀	wice ID	Device type
TPCAT	User admin Password Upgrade System Firmware Upgrade Web UI OK Note: After firmware upgrade the device will automatically restart.	526E4D8	Enter the User name and password

Figure 6.77

CAUTION: If your camera works well with the current firmware, we recommend not upgrading. Please don't upgrade the firmware unnecessarily. Your camera may be damaged if misconfigured during an upgrade.

NOTE:

1) Before upgrade the firmware, please unplug the SD card and reboot the camera, don't upgrade the firmware in WAN through the web UI, or else the upgrade process may fail.

2) Please ensure you have download the correct firmware package for your camera before upgrading. Read the upgrade documentation (readme.txt file) in the upgrade package before you upgrade.

3) Upon downloading the firmware check the sizes of the .bin files. They must match the size in the readme.txt file. If not, please download the firmware again until the sizes are the same. Your camera will not function correctly if a corrupt .bin file is used.

4) Normally, only Device WEB UI need to be upgrade, please do not try to upgrade the Device System Firmware.

5) Never shut down the power of the camera during upgrade until the IP camera restart and get connected.

6) After upgrade successfully, please uninstall the old plugin and re-install it, then reset the camera to the default factory settings before using the camera.

6.9.3 Factory Reset

Click All reset and all parameters will return to factory settings if selected. This is similar to press the Reset button on the bottom of the camera.

Factory Reset		
Factory Reset		
	Factory Reset	Click this button to hard reset the camera to its default factory settings.

Figure 6.78

6.9.4 Reboot

Click Reboot System to reboot the camera. This is similar to unplugging the power to the camera.

Reboot		
	Reboot	Click this button to reboot your camera.
		F: 6 70

Figure 6.79

7. Playback

On this page you can view the record files stored in the SD card.

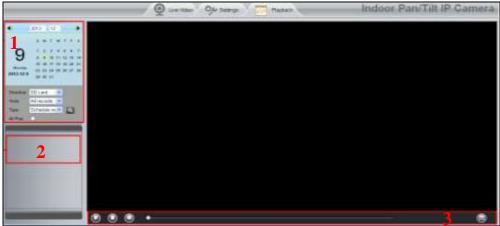


Figure 6.80

1) Define the Record files time and Type

 Directory
 SD card

 Time
 All records
 : The storage path of record files

 Time
 All records
 : Here supports three types: current day, current month and All records. Another way, select the time on the time & date manually.



Type All records : The type of records files, Here supports two typs: Normal record, Alarm record and All records.

Click this button to search all record files satisfy the conditions you selected.

2) Search record files

On this panel you can see all record files satisfy the conditions you set.

3) Play/Stop/Audio/Full screen buttons

Please select one record file before use these buttons.

Click this button to play the record files

Click this button to stop the record files

Open or stop audio

Click this button to make full screen, and double click left mouse to exit full screen.

8. Appendix

8.1 Frequently Asked Questions

NOTE: Any questions you would meet, please check Network connections firstly. Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

8.1.1 How to install the plug-in for Safari

Download the plug-in when you login your camera at the first time.

Downloads		1
Plogins-Lipkg	0	Elugins are not found, Click me to download
2		Username admin
		Media Port Moza
	_	Ströam Main stream
[-Clear] I Dewnload	_	Longuage (Inglish)

Figure 8.1

Double click the plug-in to install it.

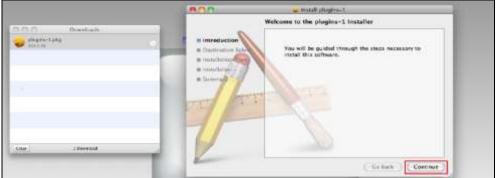


Figure 8.2

Continue to finish the installation, and then it will be successful.



Figure 8.3

Please check if the plug-in was successfully installed or not.

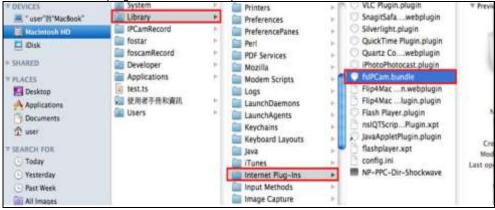


Figure 8.4

Restart Safari to enable the plug-in.

8.1.2 How to download and install the ActiveX for Firefox users

Username	admin		_
Password			Click here to download the plugin
Stream	Main stream	¥	
Language	English	~	

For the first time login the camera, it may prompt you to download plugin.

Figure 8.5

Drag the download file to Firefox web page and it will prompt you to Install it.

oftware Installation	
You have asked to install the following item:	
npIpcam (Author not verified) file:///G:/Documents%20and%20Settings/huangHJ/D	esktop/plugins.xpi
Click Install Now	
(Install Now Cancel

Figure 8.6

Reboot the Firefox after the plugin installation is successfully completely, then re-login the camera again, you can see the surveillance window.

NOTE: If you could not view living video after running the ActiveX, only a red cross I in the center of the video or just a black screen. Please change another port number to try. Make sure all firewall or antivirus software on your computer does not block the active download and installation. If you are unable to run the ActiveX control, try shutting down the firewall or antivirus program.

8.1.3 How to download and install the ActiveX for Google Chrome users

For the first time login the camera, it will prompt you to download the ActiveX.

0	Fluging are not	found, Click	me to	download	
	Username				
	Password				
	Stream	Main stream	~		
	Language	English	×		
				Login	
_			-	_)

Figure 8.7

Download the plugin and drag it to the Extensions page of Google Chrome.

e. OK	1-7 New tables Conv New receptor or date New receptor or date Booleants	÷.
Indoor Pa	Ealt Cull Copy Parts	
Go to Extensions page	Zeen + 102% + E Save page al Drive Drive Drive Prot Drive Drive Drive	4 . P .
Plume are not front. Click me to download		
Tail names	Mahary China Describada (Drive	
User name admin Begot an mat.	Sign in to Owawe	
Password Record Bread	Settings Adout Gaugle Chrome Were background pages (1) Help	
Needia port 12000 Averaging concise (hindow)	D.E.	
Stream Main stream		
Language Erginn 🔐		

Figure 8.8

Click Add button to install the Plugins.

Extensions	- A Disvikats		
· C fi	C chrome://drome.indursions/		
und anores, plane y	your bookstanks here on the bookstanks har. (argont,	bookmarks.now	
frome	Extensions		Developer mode
latare Internicióni	THE REPARTMENT		🗑 Ensibiled 🛛 🗎
witands.	Allow in incognito		Click Add button to install the plugin
ep 1	The function of the sected sector of the sec	Add "BPC It can	data en your computer and yo

Figure 8.9

Reboot the browser and relogin the camera, you will see the surveillance window.

8.1.4 I have forgotten the administrator password

To reset the administrator username and password, press and hold down the RESET BUTTON for 5 seconds. Upon releasing the reset button, wait for 20 seconds, the camera will reboot and the username and password will return to the factory default administrator username and password. Please power on the camera before reset Default administrator username: admin. Default administrator password: No password

8.1.5 Camera can not record

Camera can not record when I click Record button or I can't change the manually record path. When you use Windows7 or Vista, you may be not able to do manually record or change the record path because of the security settings of computer.

There are two ways to resolve this problem:

Please add the camera as a trusted site to resolve this issue. The steps are: IE browser \rightarrow Tool \rightarrow Internet Properties \rightarrow Security \rightarrow Trusted sites \rightarrow Sites \rightarrow Add. Or: open IE browser, then right click, select "Run as administrator".

8.1.6 Subnet doesn't match

Check whether your ipcamera in the same subnet of your computer. The step is Control Panel \rightarrow Network Connections \rightarrow Dbclick Local Area Connections \rightarrow Choose General \rightarrow Properties. (Figure 5.23/5.24) Check subnet mask, IP address and gateways. When you set IP address please make sure they are in the same subnet. Otherwise you can't access camera.

8.1.7 No Pictures Problems

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. You can resolve this problem by this way: Download ActiveX controller and set the safety property of IE in the PC when you view it first time: IE browser \rightarrow Tool \rightarrow Internet Proper \rightarrow Security \rightarrow Custom Level \rightarrow ActiveX control and Plug-ins. Three options of front should be set to be "Enable", The ActiveX programs read by the computer will be stored. As follows:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe Enable: Run ActiveX controls and plug-ins

9 🧐 🗸 🄇	Security Settings - Internet Zone
Internet Local Intranet Trusted stes Res	Settings
Internet	Cosable Enable
This zone is for Tritomet websites, great toose listed in trusted and restricted zones. Security level for this zone Alowed levels for this zone: Medium to High 	Deventand signed ActiveX controls (not secure) Disable Disable (not secure) Prompt (recommended) Deventand unsigned ActiveX controls (not secure) Deventand unsigned ActiveX controls (not secure) Disable (recommended) Enable (not secure) Prompt Disable (not secure) Disable (no
Custom level	Run ActiveX controls and plug-ins
Reset al zones	*Takes effect after you restart Internet Explorer
	Reset custom settings

Figure 8.10

If you allow the ActiveX running, but still could not see living video. Please change another port number to try. Don't use port 88.

	Port	
		Save Sefresh
HTTP Port	88	
HTTPS Port	443	
ONVIF Port	888	

Figure 8.11

Make sure that the firewall/anti-virus software does not block the camera or ActiveX. If you could not see video, please shut down firewall/anti-virus software to try again.

8.1.8 Can't access IP camera in internet

There are some reasons:

- 1. ActiveX controller is not installed correctly
- 2. The port which camera used is blocked by Firewall or Anti-virus software. Please change another port number and try again.
- 3. Port forwarding is not successful

Check these settings and make sure they are correct.

8.1.9 UPnP always failed

UPnP only contains port forwarding in our recent software. Sometimes, it may be failed to do port forwarding automatically because of firewall or anti-virus software. It also has much relation with router's security settings. So we recommend you do port forwarding manually. You can view your camera in internet successfully after you do port forwarding manually in your router.

8.1.10 Camera cannot connect wireless

If your camera could not connect wireless after you set wireless settings and plug out the cable. Please check whether your settings are correct or not. Normally, camera can't connect wireless mainly because of wrong settings. Make sure broadcast your SSID; use the same encryption for router and camera.

8.1.11 Can't see other cameras listed

Can't see other cameras listed in multi-device when using remote access. If you want to view all cameras via the WAN, verify that each camera added in the multi-device settings can be accessed by using the DDNS name and port number. Use the DDNS domain name not the camera's LAN IP. (For more details see: How to add cameras in WAN).

8.2 Default Parameters Default network Parameters

IP address: obtain dynamically Subnet mask: obtain dynamically Gateway: obtain dynamically DDNS: Embedded domain name

Username and password

Default username is admin with a blank password.

8.3	Specifications
-----	----------------

Item	-		
	Sensor	High Definition Color CMOS Sensor	
Image Sensor	Display Resolution	1280 x 720 (1Megapixels)	
	Min. Illumination	0 Lux (With IR Illuminator)	
	Lens Type	Glass Lens	
Lana	focal length	f:2.8mm	
Lens	Aperture	F2.4	
	Angle of View	70°	
	Image Compression	H.264	
	Image Frame Rate	30fps maximum, downward adjustable	
Video	Resolution	720P (1280 x 720), VGA (640 x 480), VGA (640 x 360), QVGA (320 x 240), QVGA (320 x 180)	
VIGEO	Stream	dual stream	
	Image adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable	
	Flip image	flip and mirror	

	Infrared mode	Automatic or manual
	Pan/Tilt Angle	Horizontal: 300° & Vertical: 120°
	Night visibility	11pcs IR-LEDs, night vision range up to 8 meters
Audio	Input/Output	Supports two-way audio, Built-in Mic & Speaker, 3.5mm audio jack for external Mic & Speaker
	Audio Compression	PCM/G.726
	Ethernet	One 10/100Mbps RJ45 port
	Wireless Standard	IEEE802.11b/g/n
	Data Rate	IEEE802.11b: 11Mbps (Max.); IEEE802.11g: 54Mbps (Max.); IEEE802.11n: 150Mbps (Max.).
Network	Wireless Security	WEP, WPA, WPA2
	WPS	Supports WPS one button push wireless connection
	Network Protocol	IP, TCP, UDP, http, HTTPS, SMTP, FTP, DHCP, DDNS, UPnP, RTSP, WPS, ONVIF
	Remote Access	P2P, DDNS
System	Operating System	Microsoft Windows XP, Vista, 7, 8; Mac OS; iOS; Android
Require ments	Browser	Microsoft IE7 + above version or compatible browser; Mozilla Firefox; Google Chrome; Apple Safari.
	Motion Detection	Alarm via E-Mail, upload alarm snapshot to FTP
	Privacy Zone	Set privacy zone manually
Other	User Accounts	Three levels user role
Features	Firewall	Supports IP Filtering
	Storage	Micro SD card and local storage
	Reset	Reset button is available
Power	Power Supply	DC 5V/2.0A
	Power Consumption	7.5 Watts (Max.)
	Dimension(LxWxH)	110(L)*103(W)*127(H) mm
Physical	Gross Weight	680g
	Net Weight	310g
	Operating Temperature	-20° ~ 55°C (-4°F ~ 131°F)
Environ ment	Operating Humidity	20% ~ 85% non-condensing
ment	Storage Temperature	-20°C ~ 60° (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
Certifi cation	CE, FCC, RoHS	

Power adapter should be used between 0°C-40°C, and 5%-90% relative humidity.

8.4 CE & FCC Electromagnetic Compatibility (EMC) FCC Statement



This device compiles with FCC Rules Part 15. Operation is subject to the following two conditions.

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the installation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is like to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FCC Caution

Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CE Mark Warning



This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Questions? Please visit our website www.ebodeelectronics.eu for FAQ and our contact details.

DECLARATION OF CONFORMITY

Hereby, ebode electronics, declares that this ebode IPV38P2P is in compliance with the essential requirements and other relevant provisions of the following Directives:

Directive 2004/108/EC of the European Parliament and of the Council of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility

Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits

Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Directive 2005/32/EC of the European Parliament and of the Council of 6 July 2005 establishing a framework for the setting of eco design requirements for energy-using

Technical data and copies of the original Declaration of Conformity are available and can be obtained from ebode electronics: PB 25, NL-4264ZG, the Netherlands.

CE

User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)

This document contains important information for users with regards to the proper disposal and recycling of ebode products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:



Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams.

It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health.

For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

DECLARATION OF CONFORMITY TO R&TTE DIRECTIVE 1999/5/EC for the European Community, Switzerland, Norway, Iceland and Liechtenstein

Product category: general consumer (category 3).

English: This equipment is in compliance with the essential requirements and other relevant provisions of the European R&TTE Directive 1999/5/EC

Deutsch [German]: Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.

Nederlands [Dutch]: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.

Svenska [Swedish]: Denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Français [French]: Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC

Español [Spanish]: Este equipo cumple con los requisitos esenciales asi como con otras disposiciones de la Directiva 1999/5/CE.

Português [Portuguese]: Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.

Italiano [Italian]: Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.

Norsk [Norwegian]: Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.

Suomi [Finnish]:Tämä laite tÿttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.

Dansk [Danish]: Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.

Polski [Polish]: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami okreslonymi Dyrektywą UE: 1999/5/EC



Bluetooth Speaker BTS30

Use the BT Sound to share the music on your smartphone, tablet or laptop wirelessly with your friends. As the BT Sound is small in size you can enjoy your favourite songs any place, anytime, anywhere! Ideal for parties, festivals or while travelling.

Bluetooth Receiver BTR30

Transmit the music from you smartphone, tablet or laptop wireless to your BT Sound Receiver. You easily hook this up to your amplifier, stereo set or your car audio system. Enjoy your favourite songs with all your friends at home, and on the go!

ebode is focusing on wireless audio and video products, that are affordable, innovative and plug & play. The products provide you with comfort in your home, help you to avoid wires, and make sure you can stream your personal audio and video to where ever you want to look or listen to it. For more ebode products and information, please visit www.ebodeelectronics.eu.



Free Frequency FM Transmitter

Plug the FM Sound in your Smartphone and send the music wireless to your (car)radio. Works with any free frequency. Available for iPod, iPhone, iPad, Android, and any other device with a 3.5mm plug.

Infrared Accessories

The ebode line offers accessories for infrared control, such as single, dual or triple infrared emitters, either in a blinking or non-blinking version. Our optional emitter shields prevent unwanted, external IR signals from passing through.



ebode is focusing on wireless audio and video products, that are affordable, innovative and plug & play. The products provide you with comfort in your home, help you to avoid wires, and make sure you can stream your personal audio and video to where ever you want to look or listen to it. For more ebode products and information, please visit www.ebodeelectronics.eu.

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