www.ebodeelectronics.eu

User Manual

IPV38P2P

Wi-Fi HD720P Pan & Tilt Indoor P2P IP Camera

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

Contents of the kit:

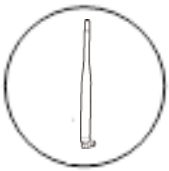

1x IP Camera


1x Power Adapter


1x Resource CD

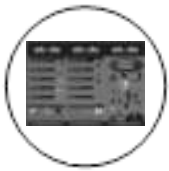

1x Ethernet Cable


1x Mounting Bracket + Screws


1x Wi-Fi Antenna

1x Quick Start Guide


1x Surveillance Sticker


1x ebode leaflet

Technical Specification:

- 720P HD Pan/Tilt Wired/Wireless IP Camera
- 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

User Guide

Table of Contents

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

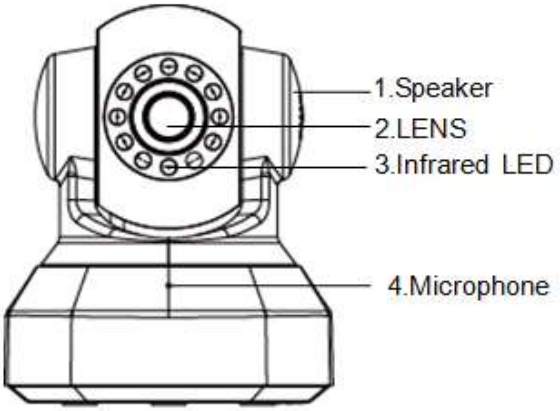


Figure 3.1

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.

Rear Panel

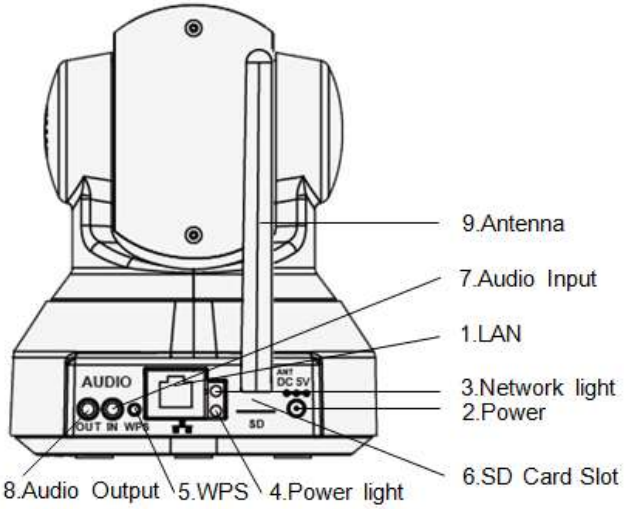


Figure 3.2

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

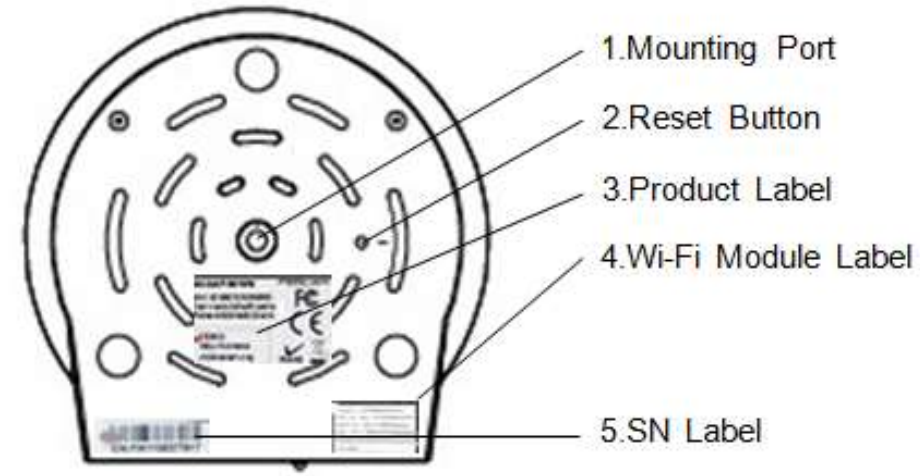


Figure 3.3

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 HTTP and 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.

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.

Figure 4.2

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

NOTES: 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?

Step 1: 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.

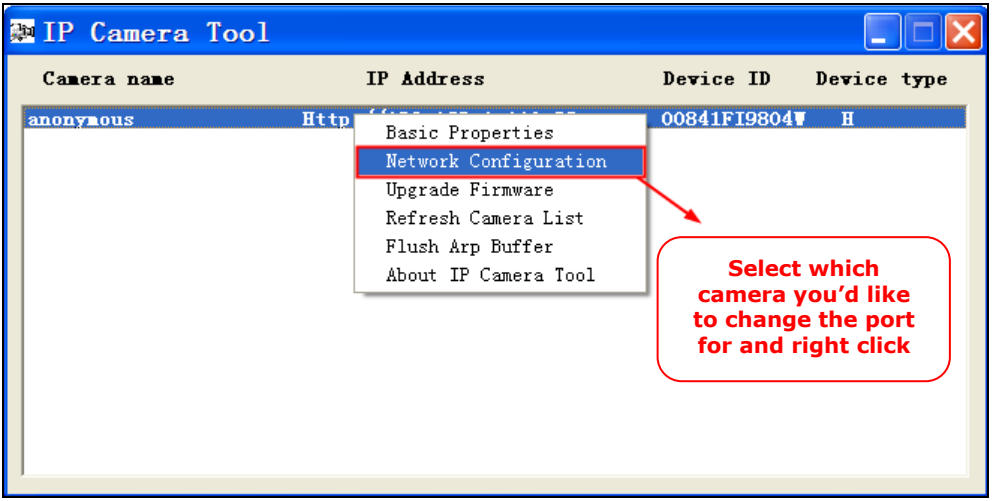


Figure 4.4

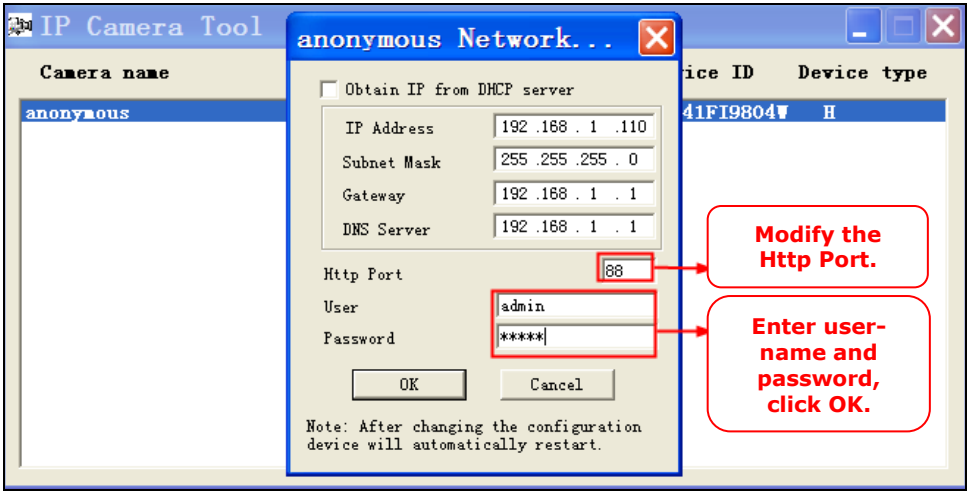


Figure 4.5

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

Step 3: 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!

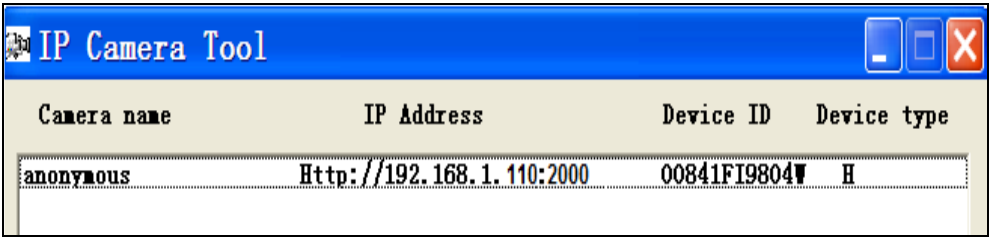


Figure 4.6

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 http://portforward.com/help/portforwarding.htm 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

Step 1: 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.

Step 2: 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:

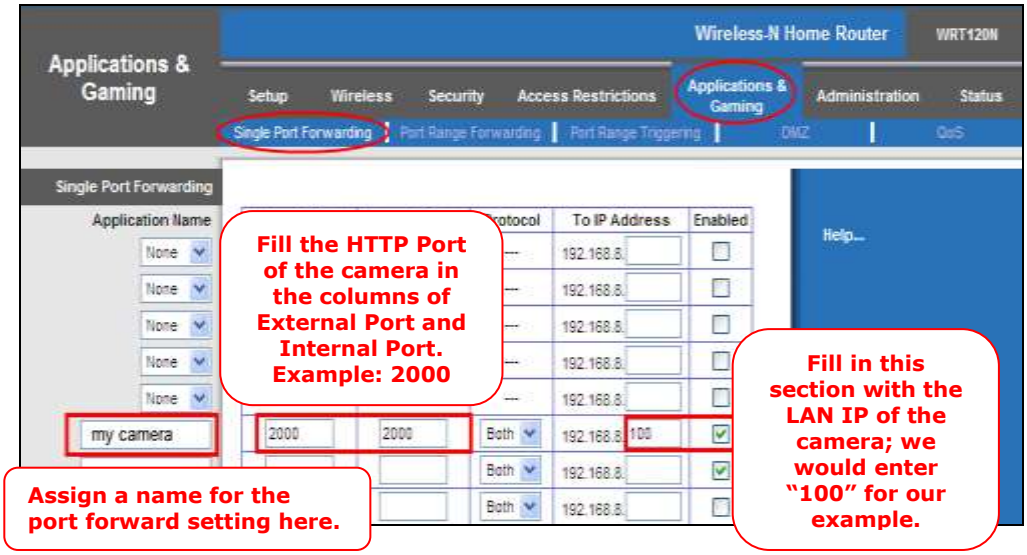


Figure 4.7

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.

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

Step 1: Please go to the third party DDNS website(such as www.no-ip.com) 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 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 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 rtsp:// [user name][:password]@IP:HTTP port number/videosream

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 → Open Network Stream option, then enter the URL into VLC.

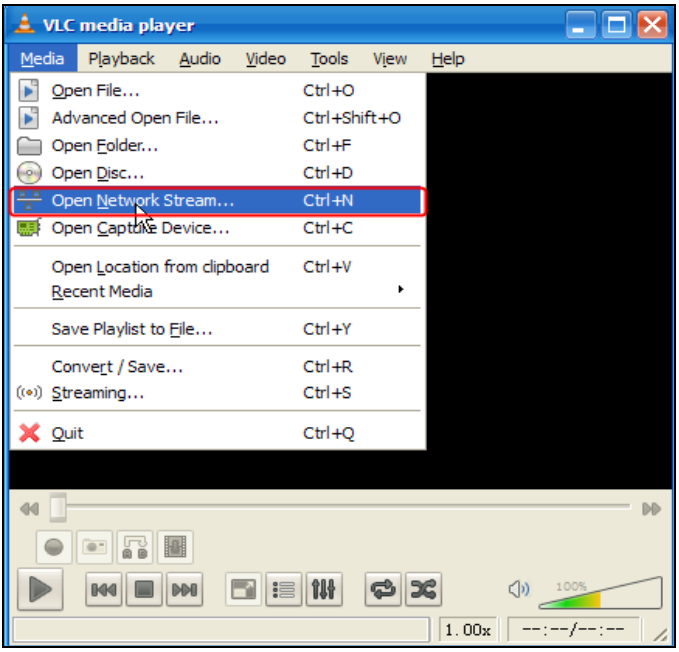


Figure 4.9

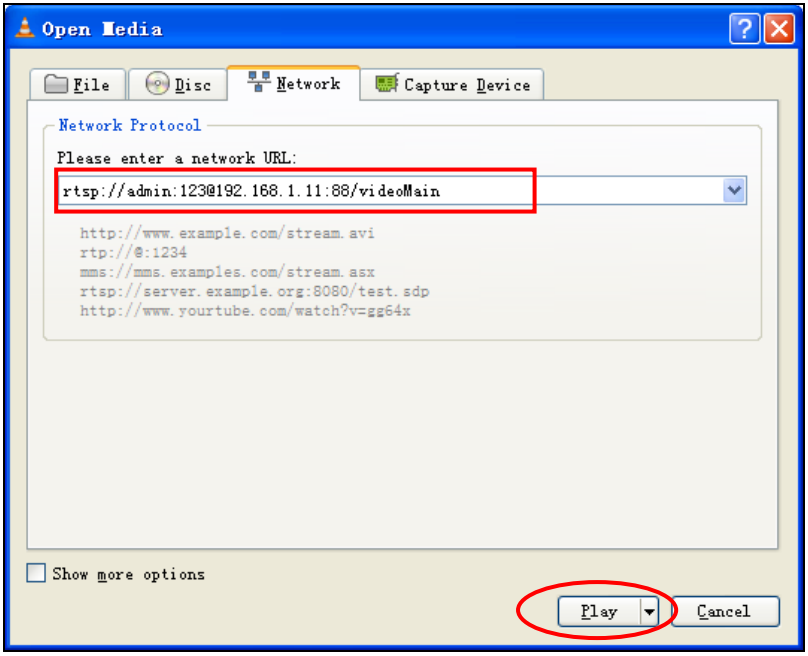


Figure 4.10

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

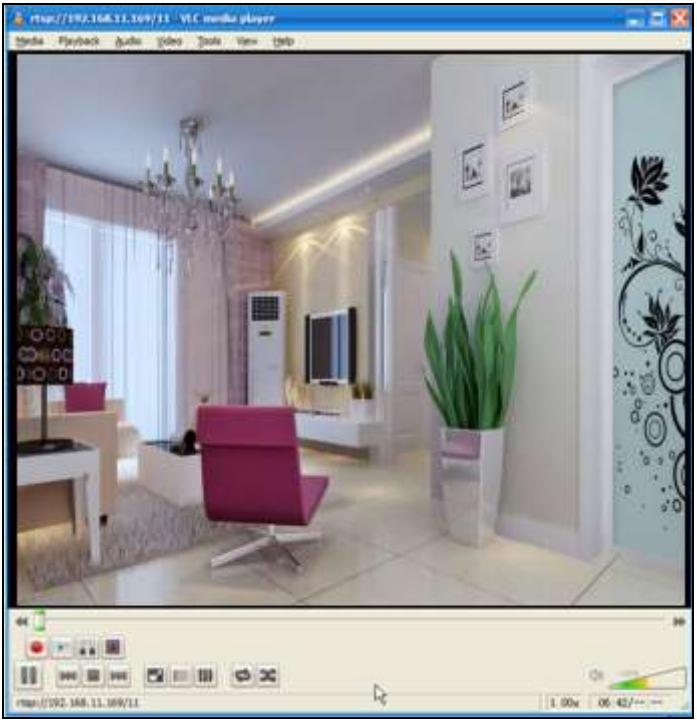


Figure 4.12

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

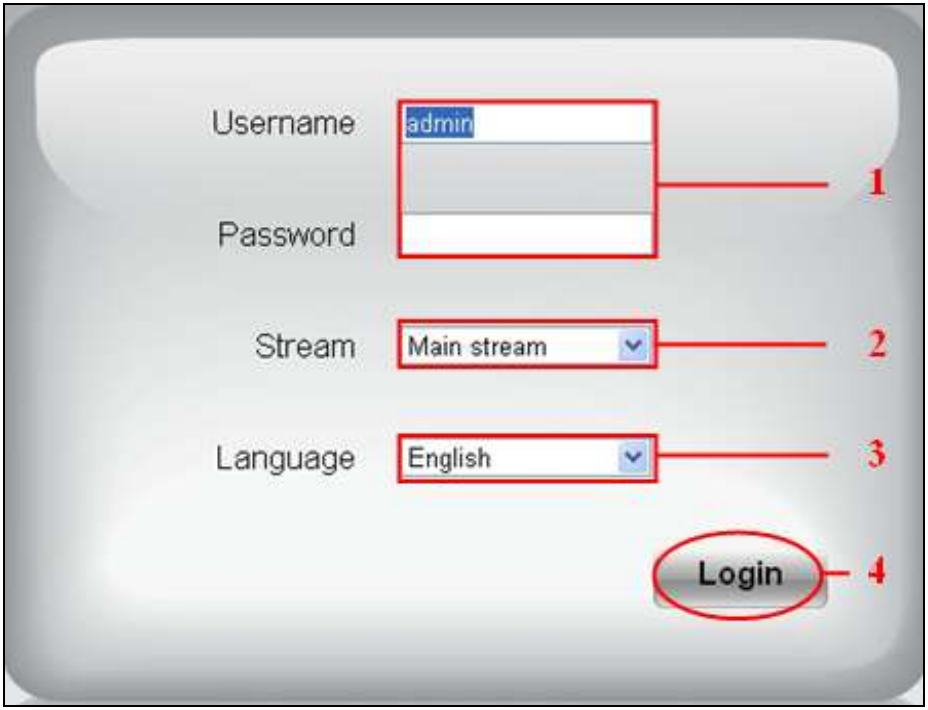


Figure 5.1

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.

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

Camera Name: You could give a name for your IP camera.

Figure 5.4

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

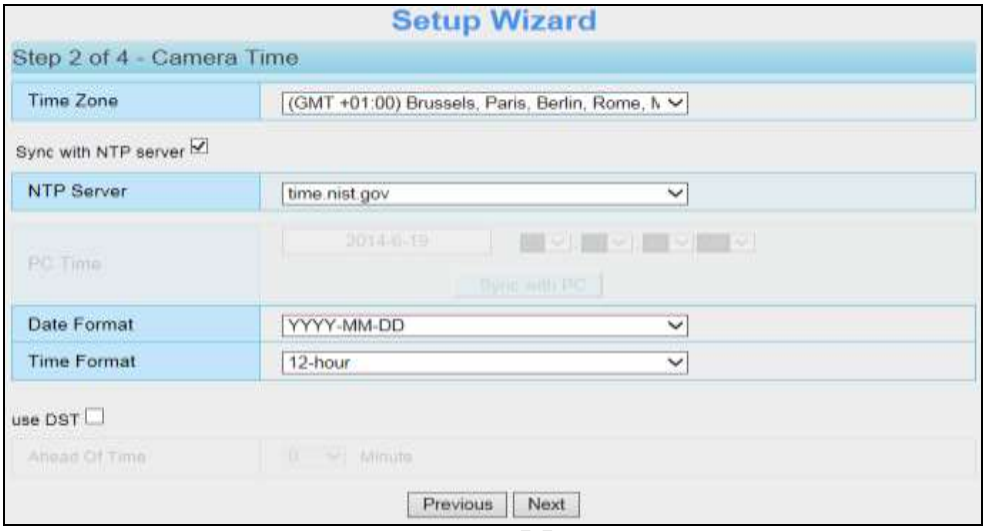


Figure 5.5

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

Figure 5.6

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.

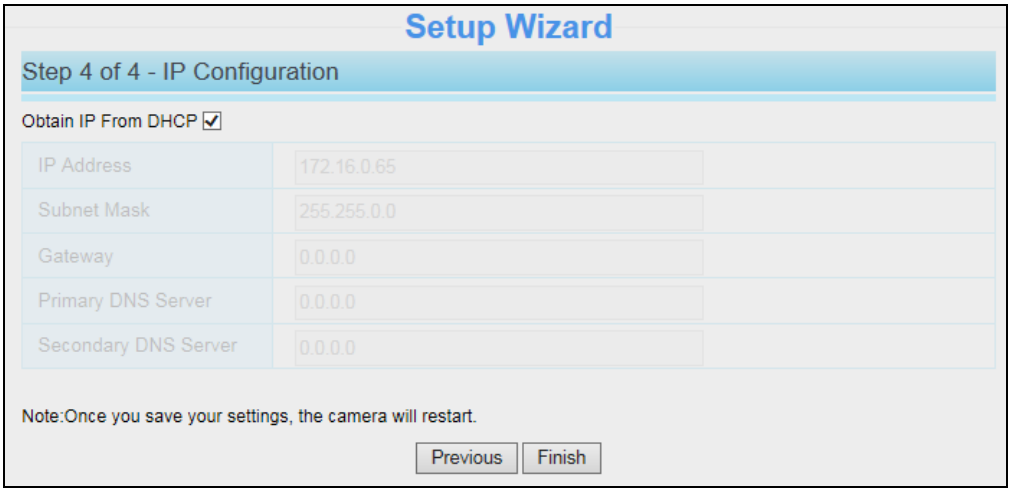


Figure 5.7

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

5.4 Surveillance Window

Figure 5.8

1. LiveVideo / Settings/Playback buttons

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

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


The firmware supports up to maximum of 9 cameras being 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 quality 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 → Video → Video Settings panel.

Figure 5.10

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

Zoom Control

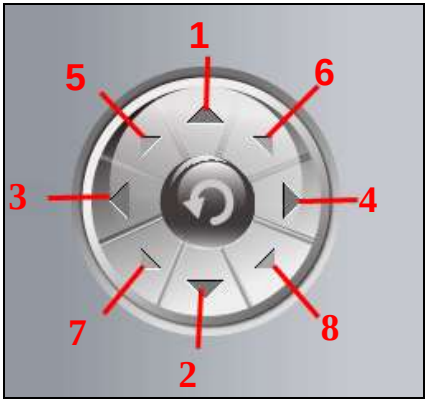
Zoom the camera's lens.

Zoom the camera' lens.

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

Figure 5.11

4. Pan/Tilt Control

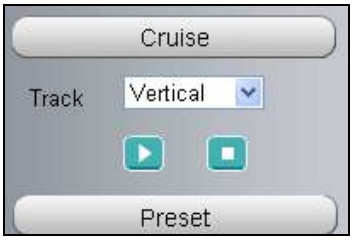


1) Up control button.
2) Down control button.
3) Left control button.
4) Right control button.
5) Up-Left control button.
6) Up-Right control button.
7) Down-Left control button.
8) Down-Right control button.

 Click this button and go to center.

5. Cruise / Preset settings

Cruise Settings



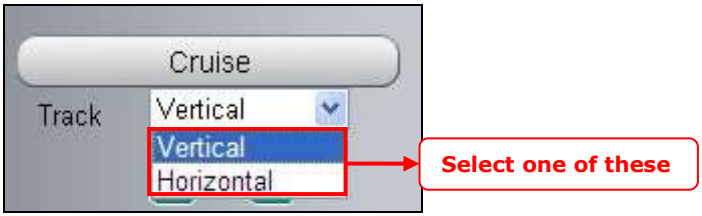
The default cruise tracks have two types: Vertical (the camera will rotate from up to down) and Horizontal (the camera will rotate from left to right).

Start cruise. Stop cruise.

If you want to define or change the cruise trace, please go to Settings → PTZ → 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

Delete: 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.

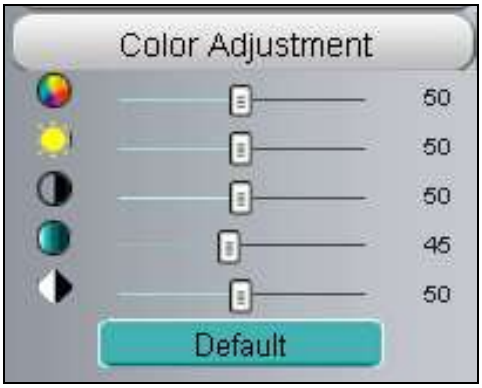
Auto: Select it and the camera will adjust the infra led (on or off) automatically.

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 → Video → IR LED Schedule page.

7. Image quality settings

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



8. OSD

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.

9. Play/Stop/ Talk/Audio/ Snap/ Record/ Full screen button

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 , 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 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.

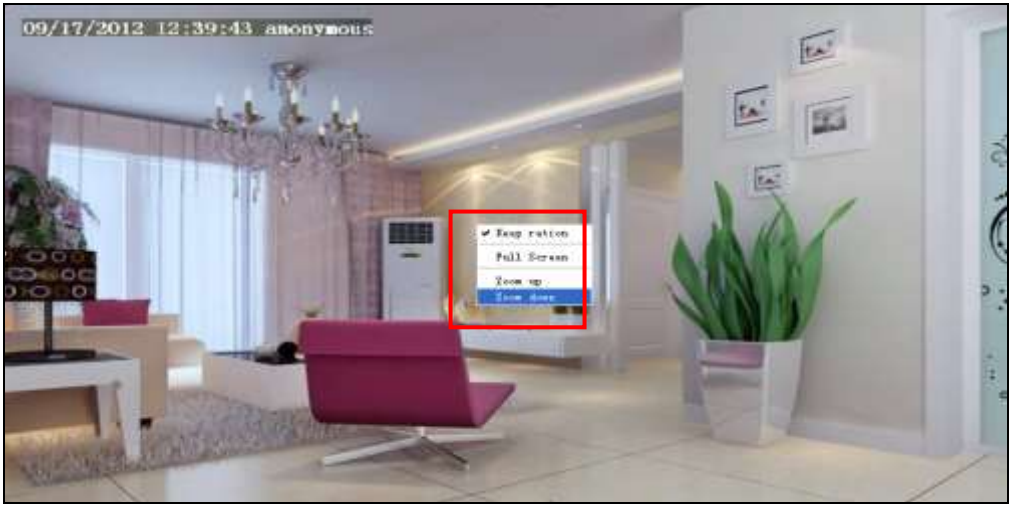


Figure 5.12

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

Figure 6.1

Camera Model: The camera model no.
Camera Name: 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.
Camera ID: 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.
Camera Time: The system time of the device. Click Basic Settings and go to Camera time panel and adjust the time.
System Firmware version: Display the System Firmware version of your camera.
App Firmware version: Display the application firmware version of your camera.
Web version: Display the web UI version of your camera
Plug-in version: 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.

Figure 6.2

6.1.3 Session Status

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

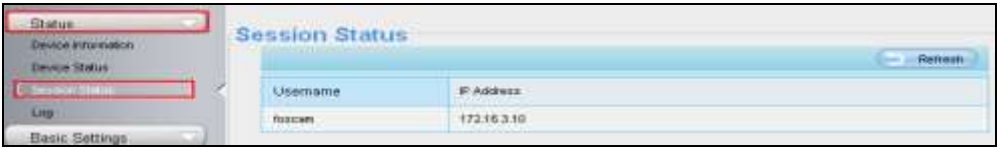


Figure 6.3

6.1.4 Log

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

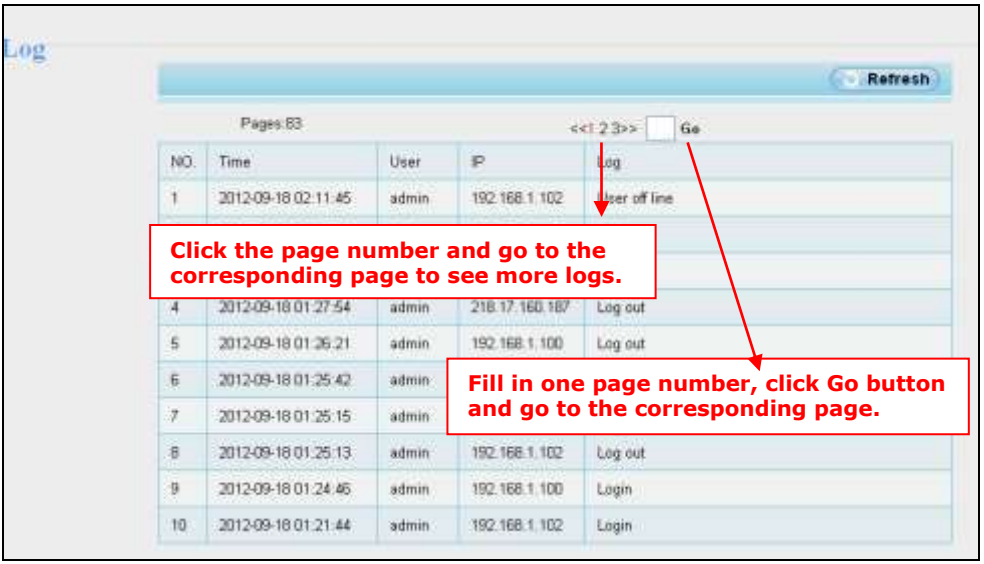


Figure 6.4

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.

Figure 6.5

6.2.2 Camera Time

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

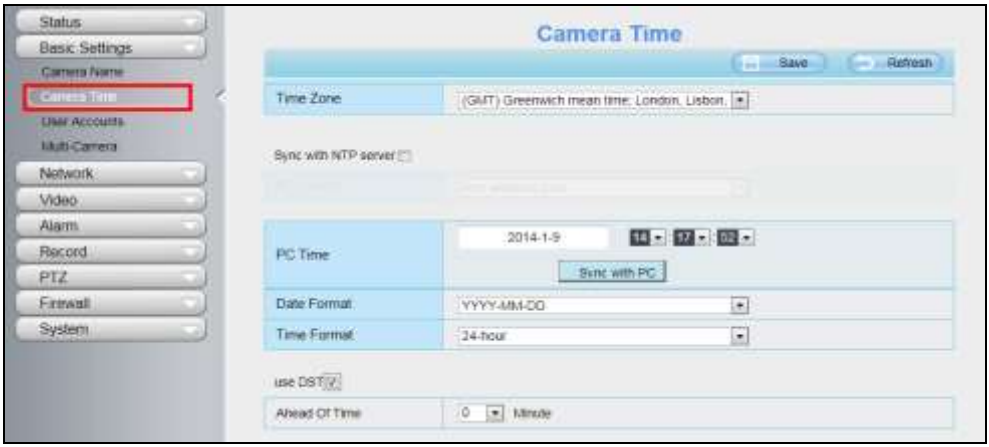


Figure 6.6

Time Zone: 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.
Sync with PC: Select this option to synchronize the date and time of the Network Camera with your computer.
Manually: The administrator can enter the date and time manually. Note select the date and time format.
Use DST: 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.

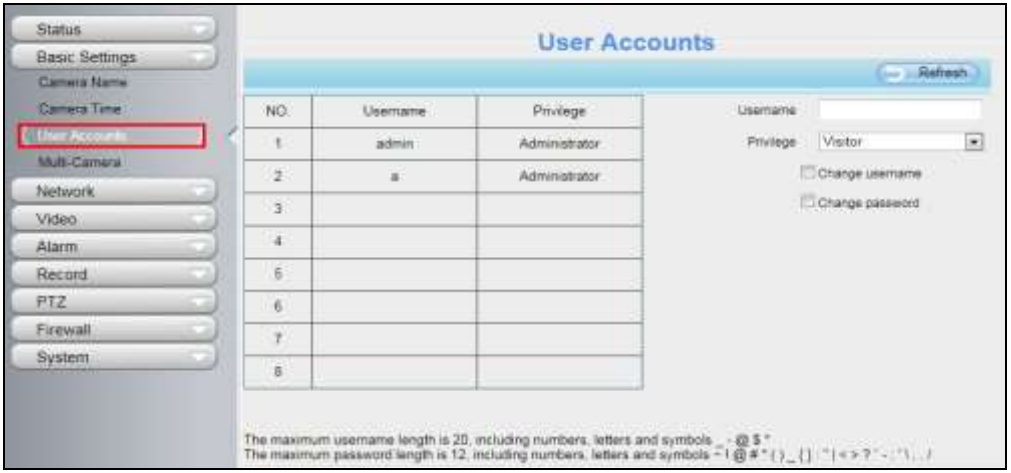


Figure 6.7

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.

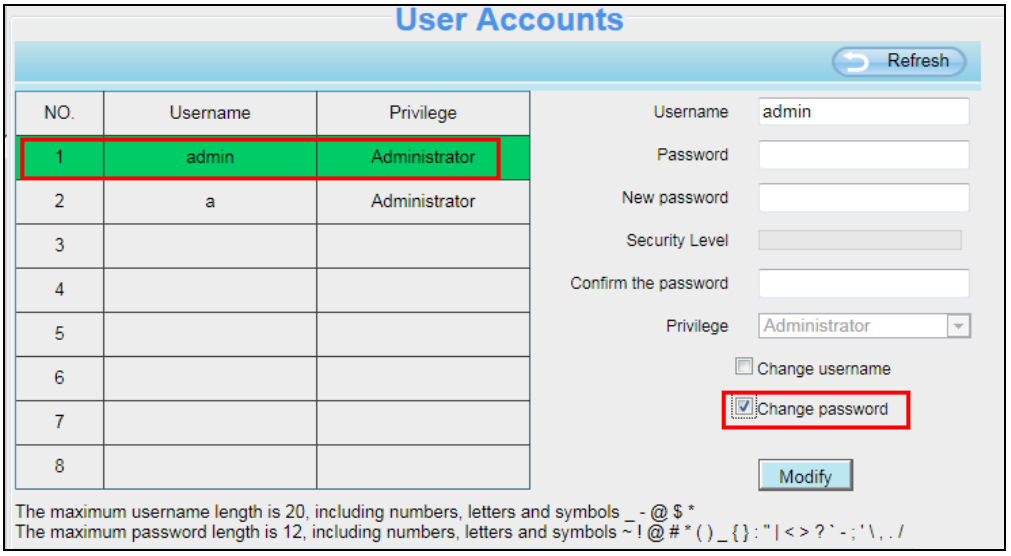


Figure 6.8

How to add account ?

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.

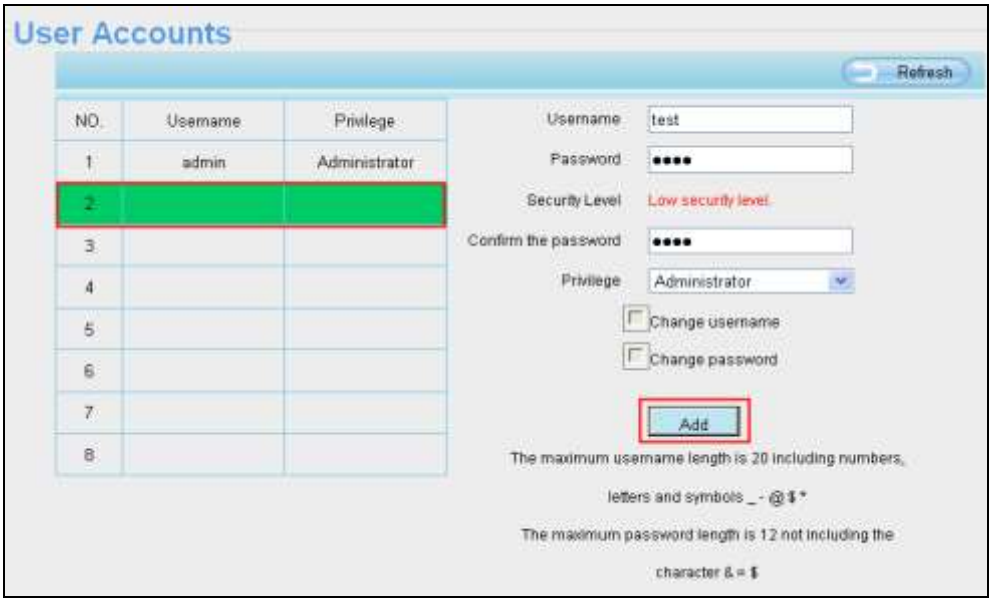


Figure 6.9

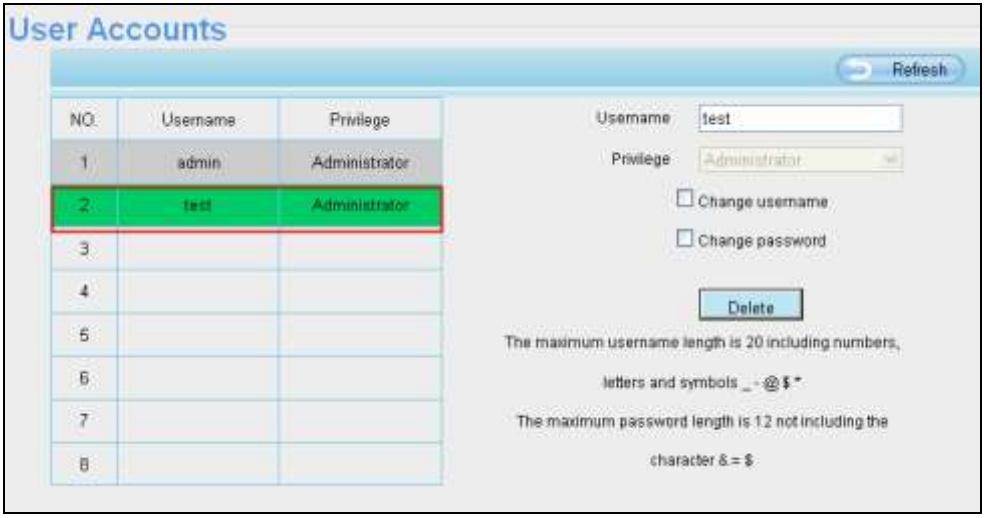


Figure 6.10

Delete: 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.

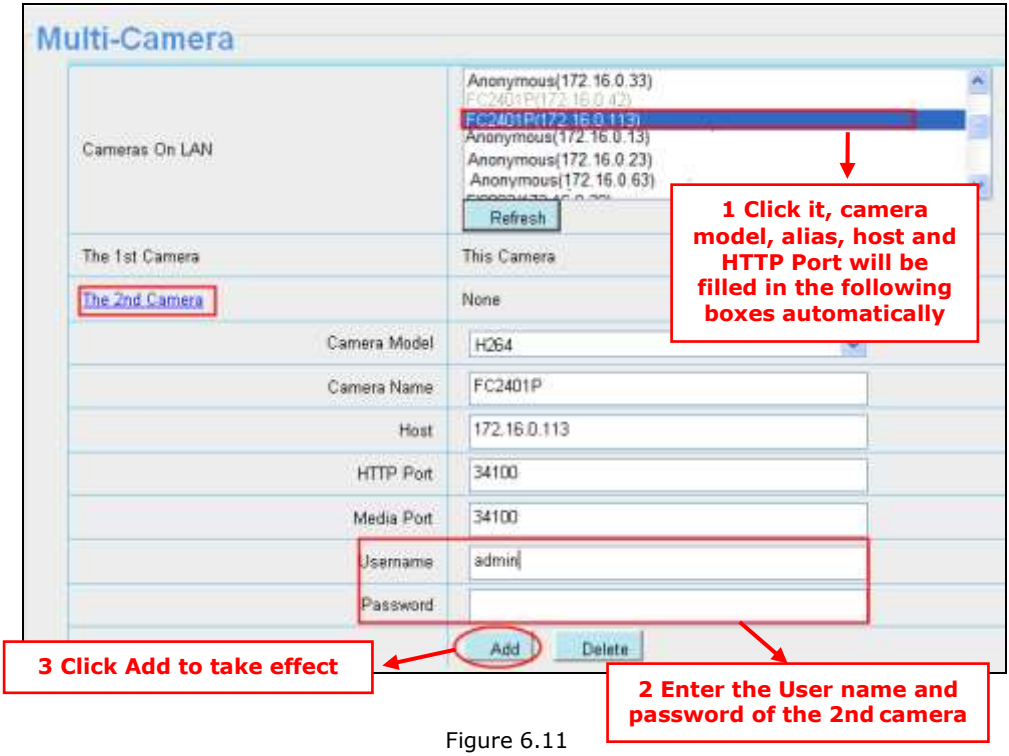


Figure 6.11

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

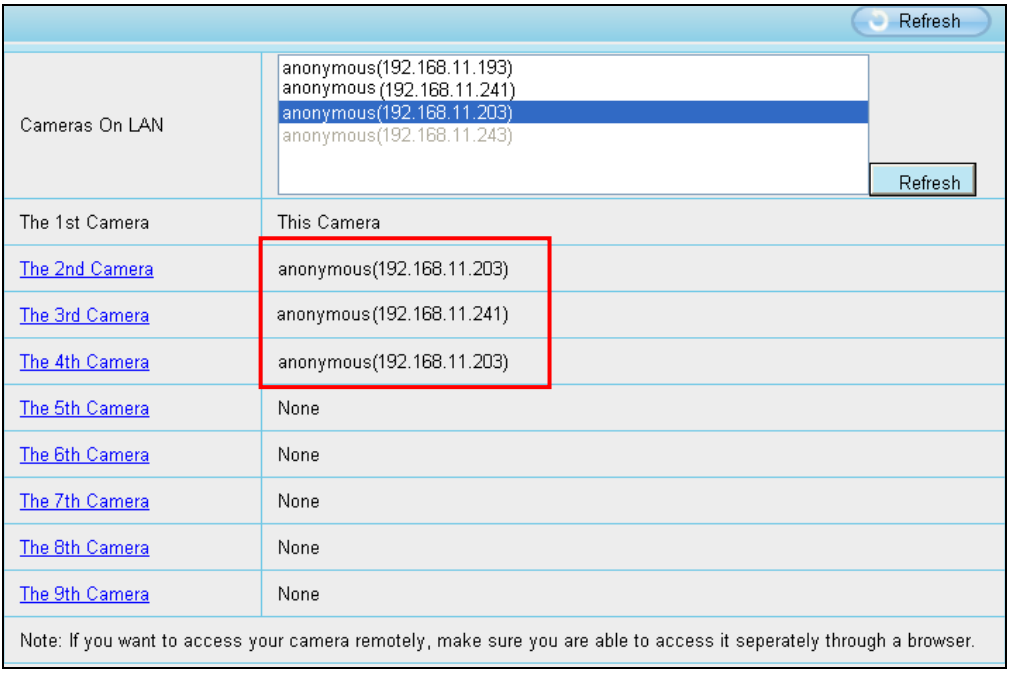


Figure 6.12

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

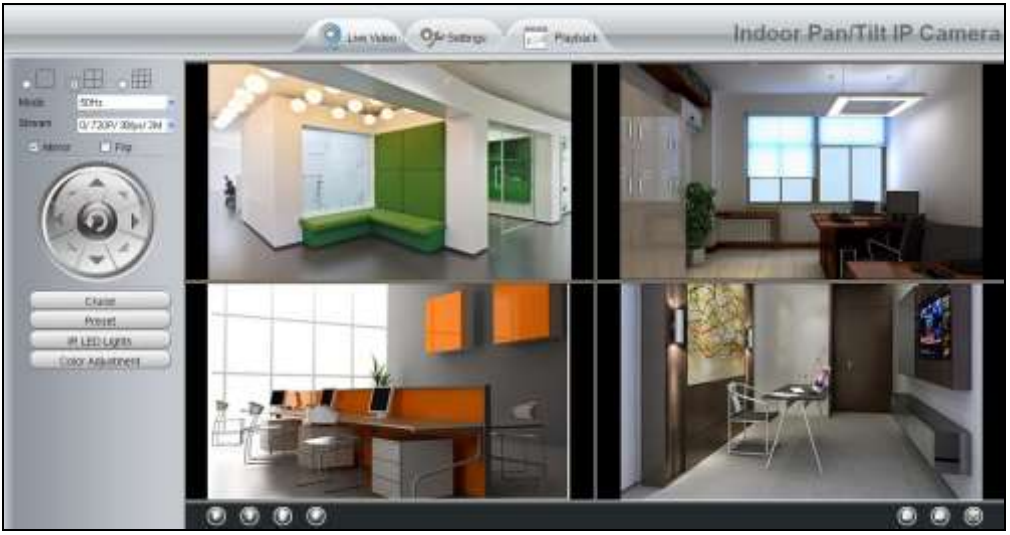


Figure 6.13

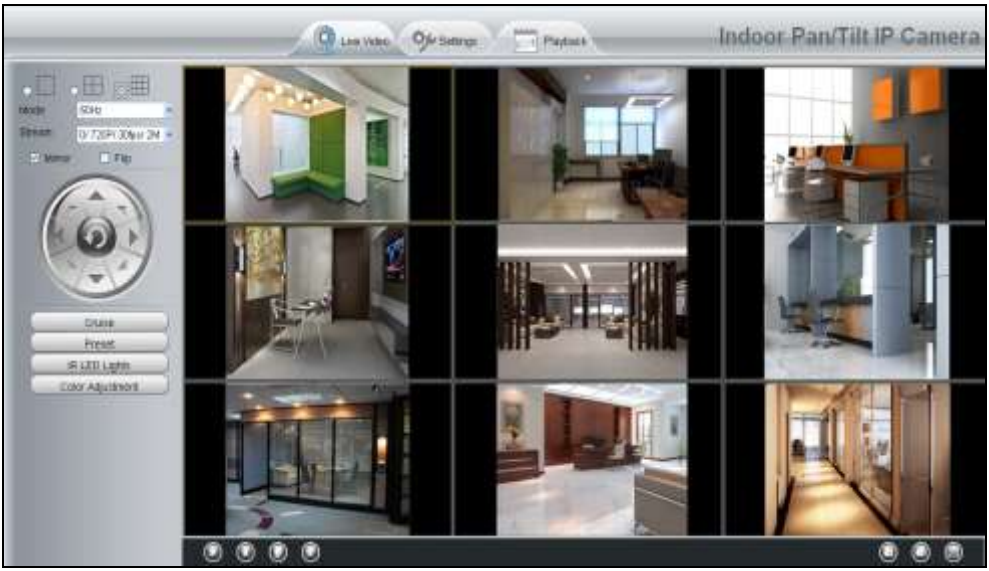


Figure 6.14

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.

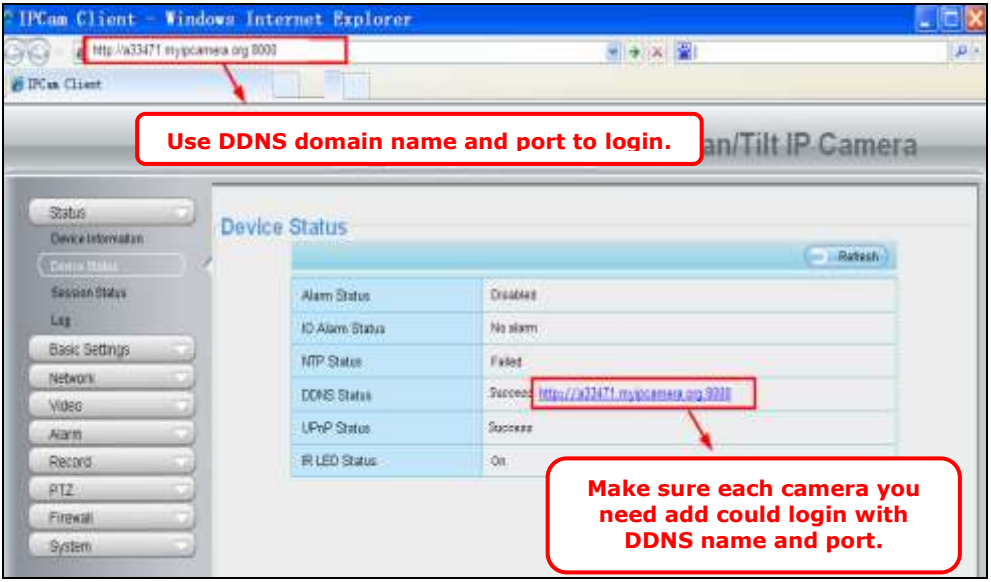


Figure 6.15

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)

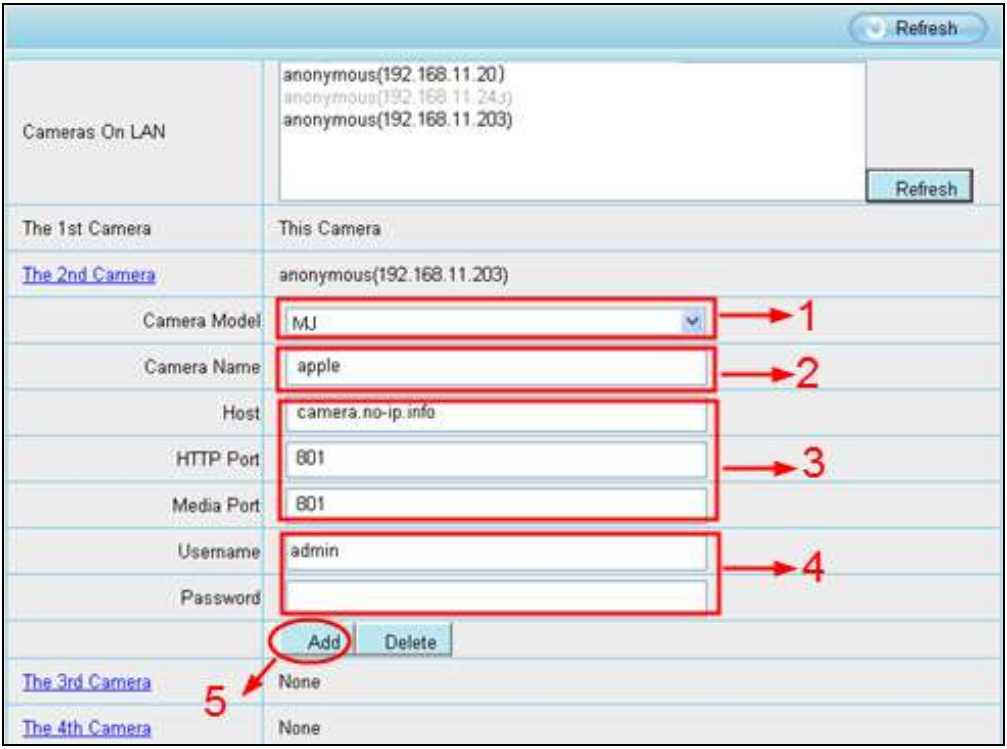


Figure 6.16

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.

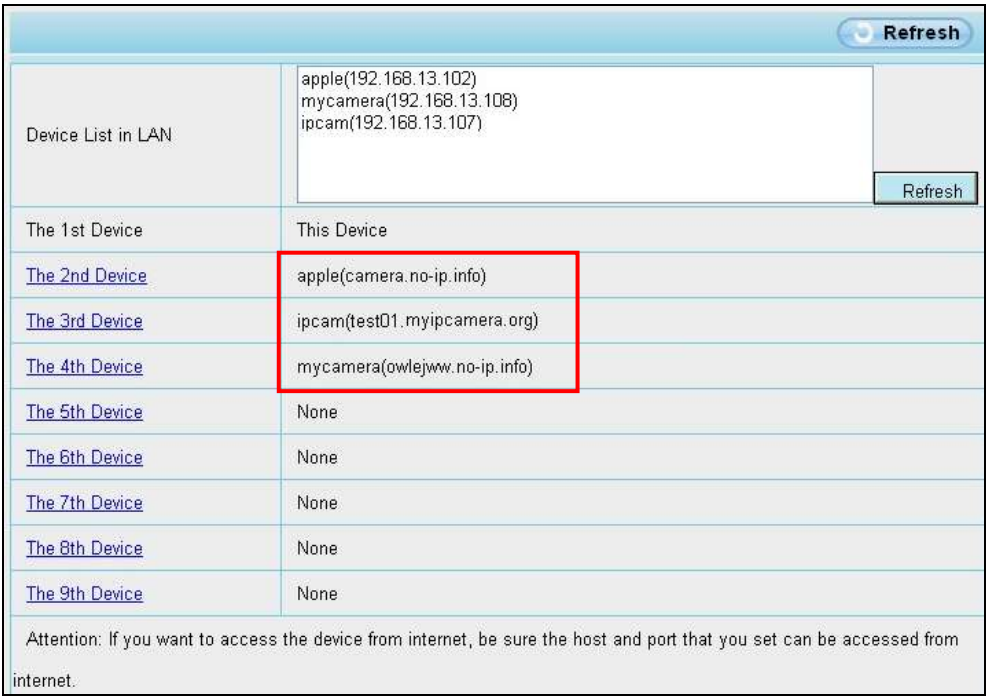


Figure 6.17

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.

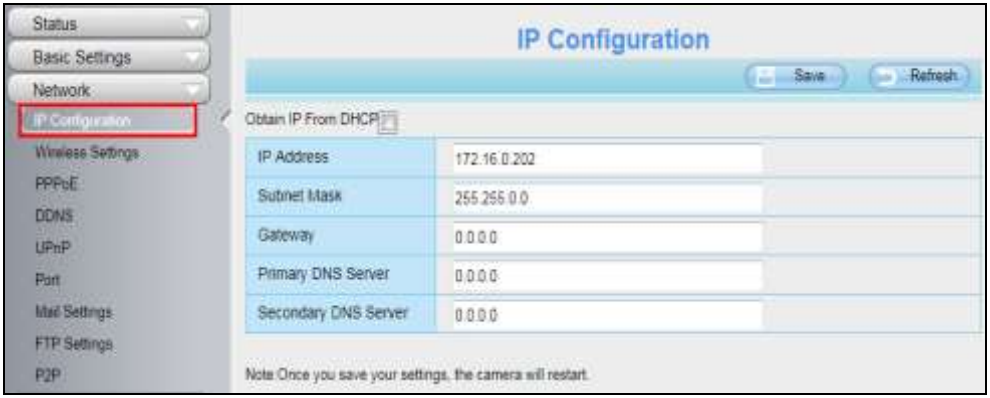


Figure 6.19

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 → Network Connections →Local Area Connections →Choose Support → Details.

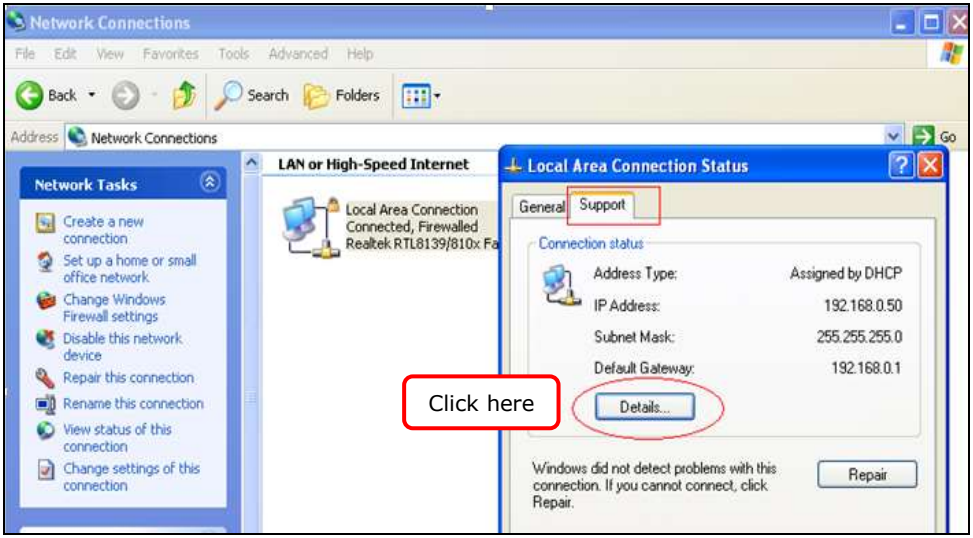


Figure 6.20

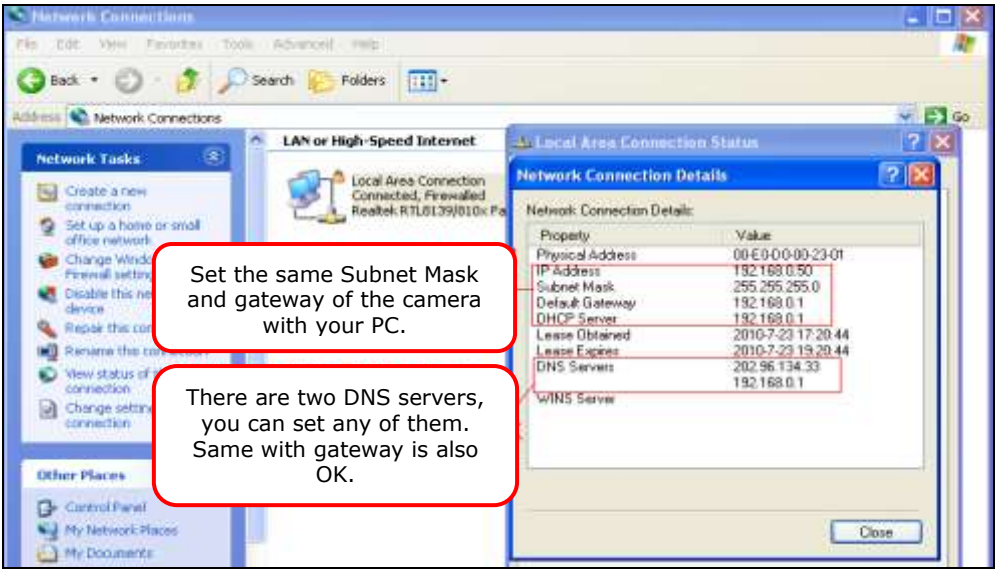


Figure 6.21

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

6.3.2 Wireless Settings

Step 1: 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.

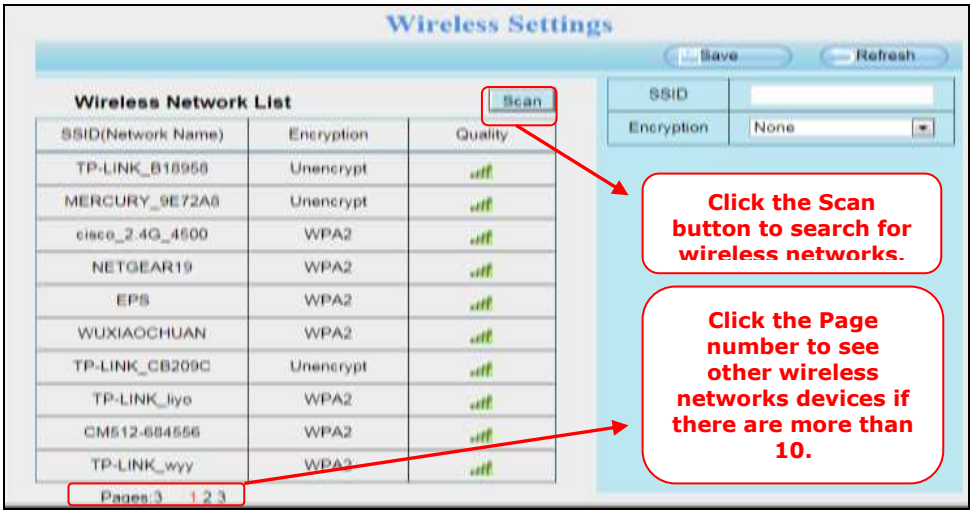


Figure 6.22

Step 2: 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.

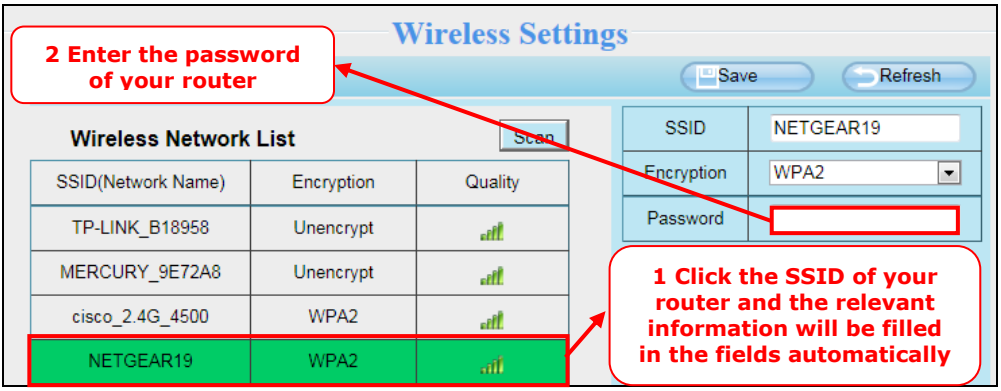


Figure 6.23

Step 3: 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)
Step 1) 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.

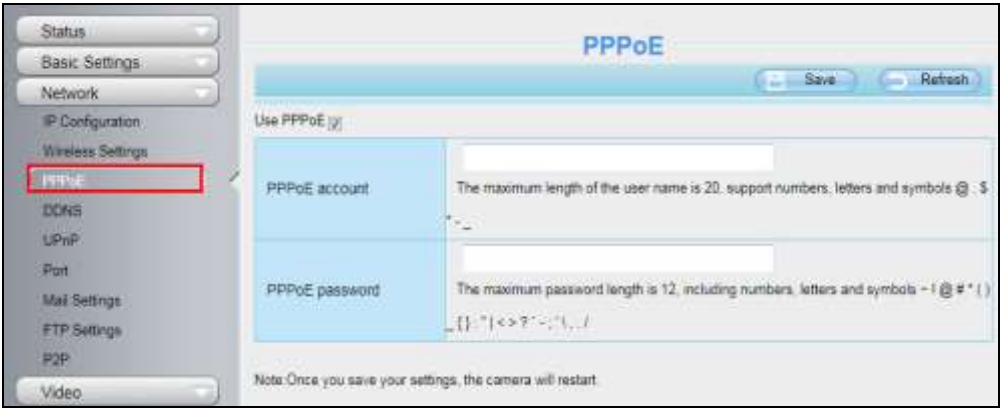


Figure 6.24

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.

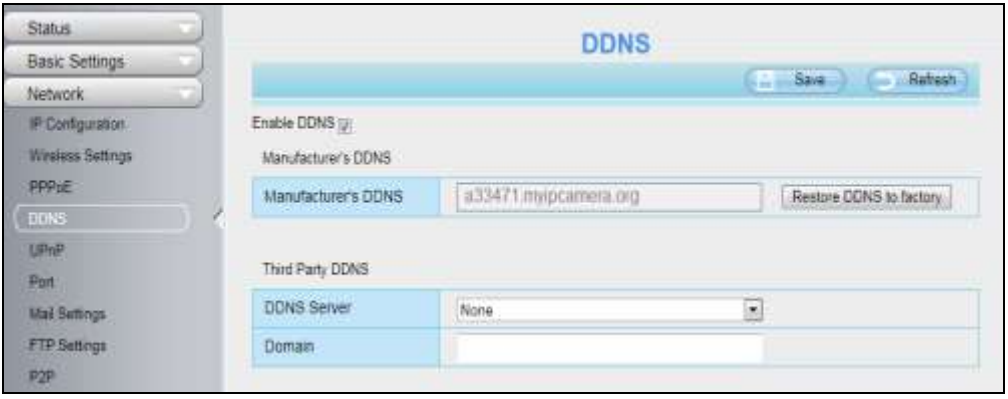


Figure 6.25

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.

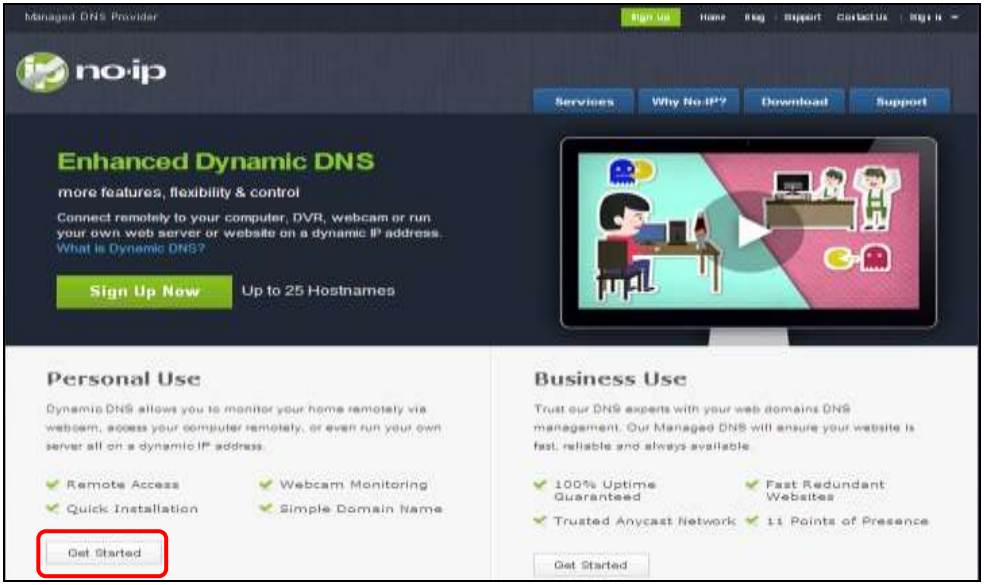


Figure 6.26

Figure 6.27

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.

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

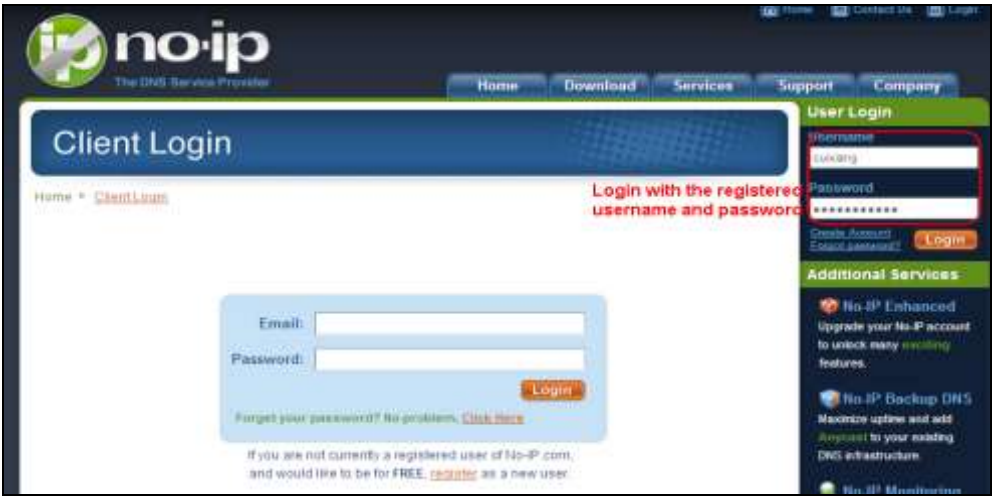


Figure 6.28

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.

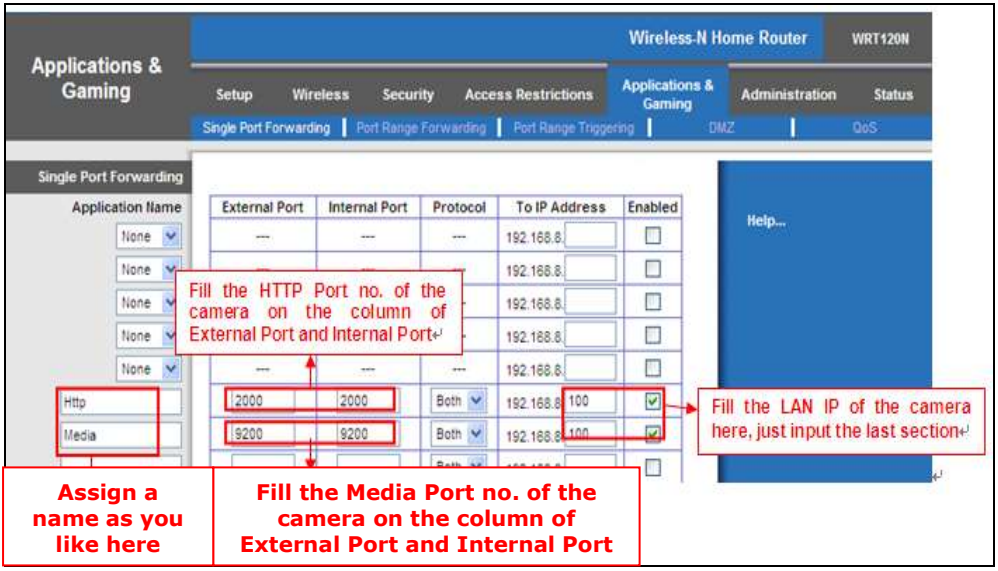


Figure 6.30

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

Figure 6.31

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:

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.

HTTP port : 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.

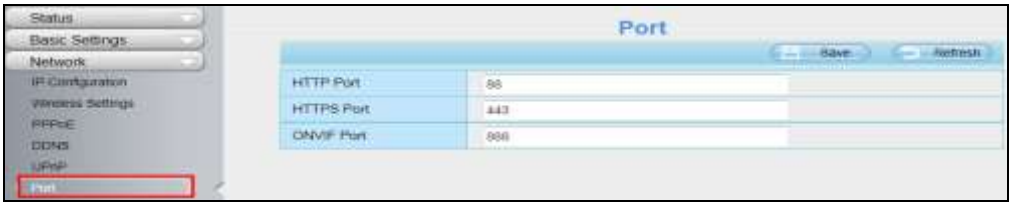


Figure 6.33

Another way to change the HTTP port NO.

Step 1: 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.

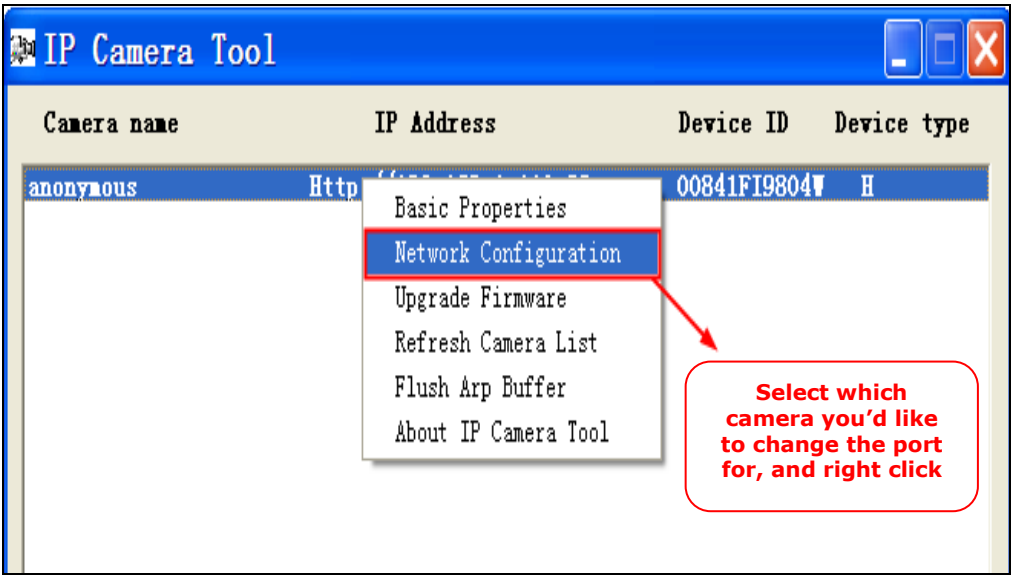


Figure 6.34

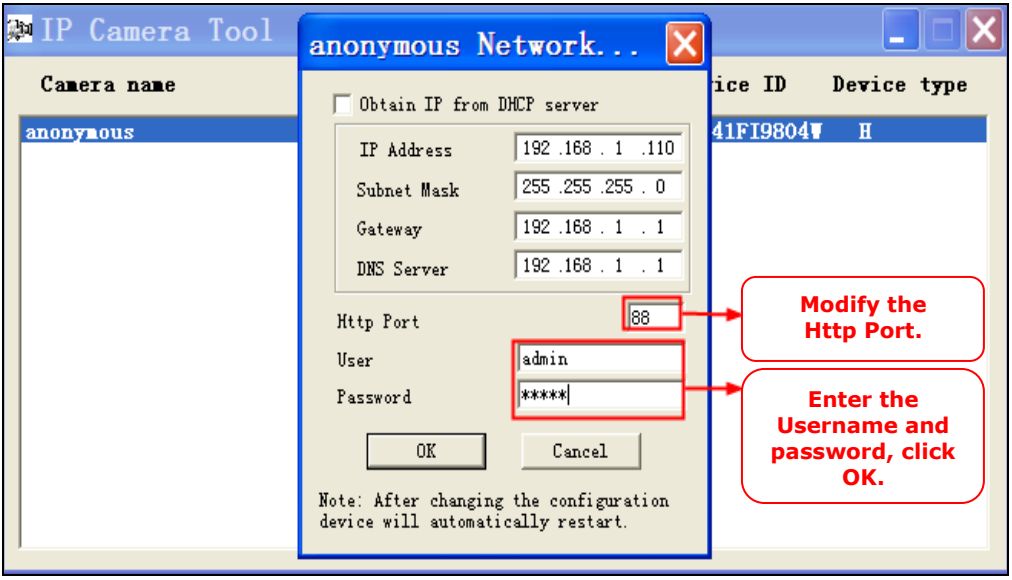


Figure 6.35

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

Step 3: 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!

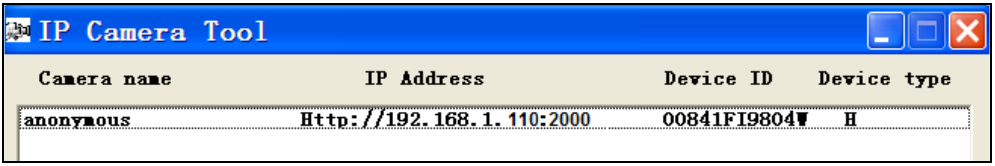


Figure 6.36

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.

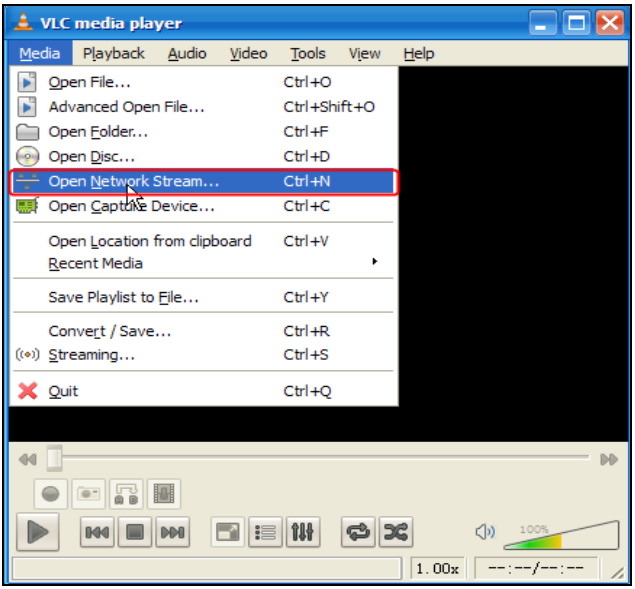


Figure 6.37

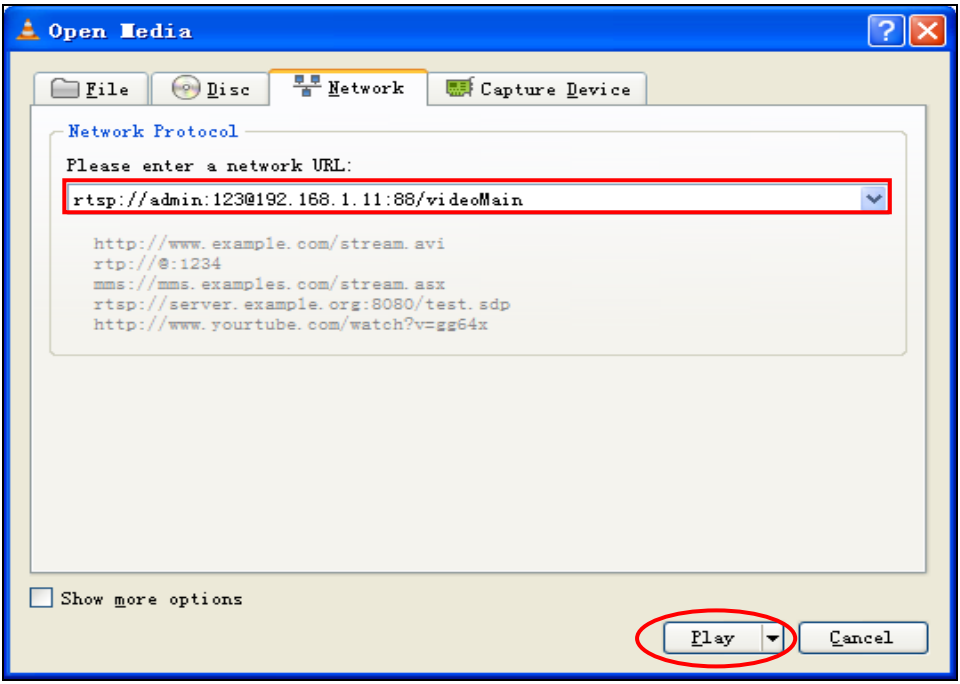


Figure 6.38

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

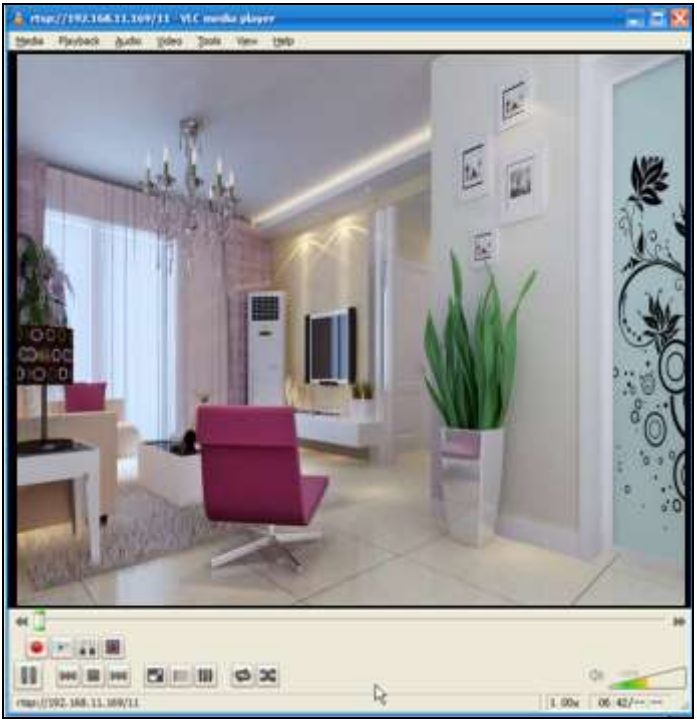


Figure 6.40

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.

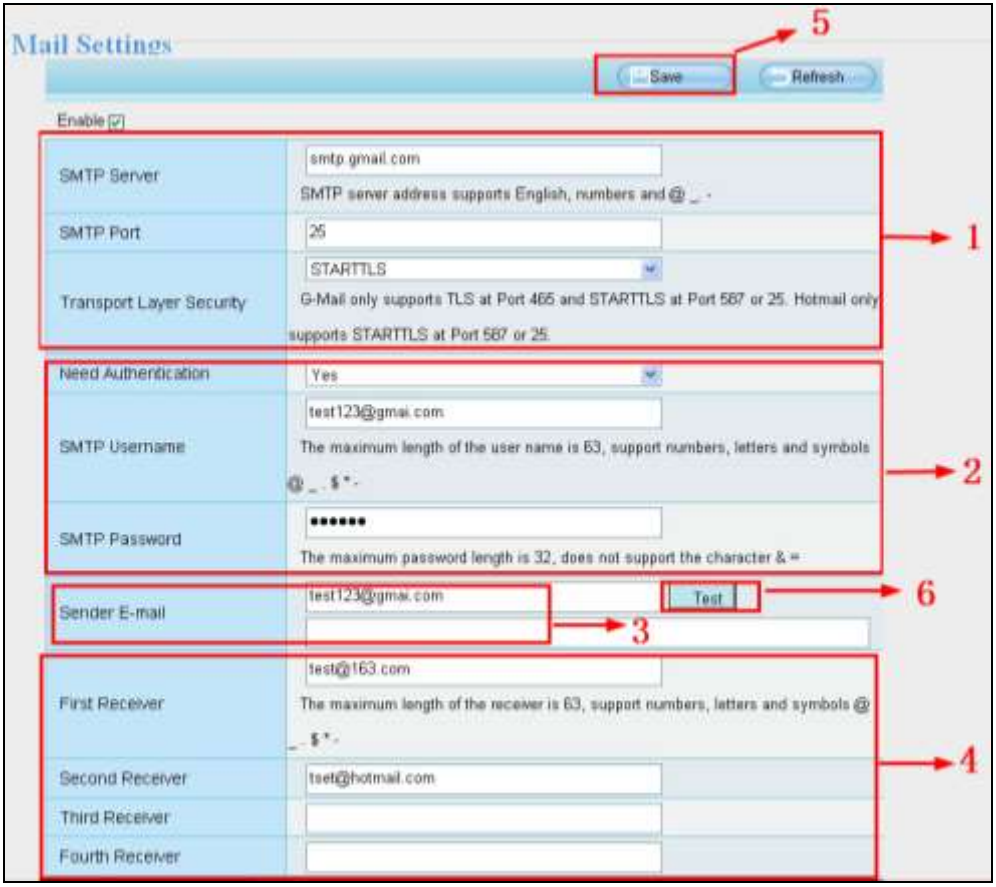


Figure 6.41

1) SMTP Server/ Port /Transport Layer Security: 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
4) Receiver: Mailbox for receiver need not support SMTP, you can set 4 receivers
5) Save: Click Save to take effect
6) Test: Click Test to see if Mail has been successfully configured.

Click Test to see if Mail has been successfully configured.

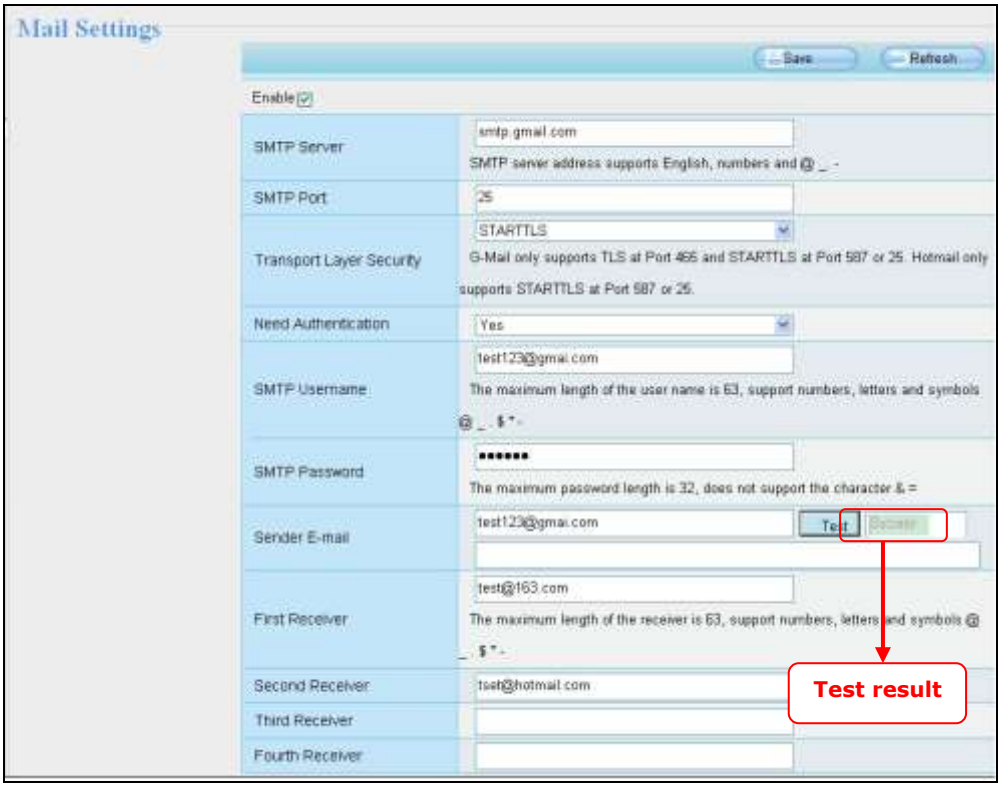


Figure 6.42

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.

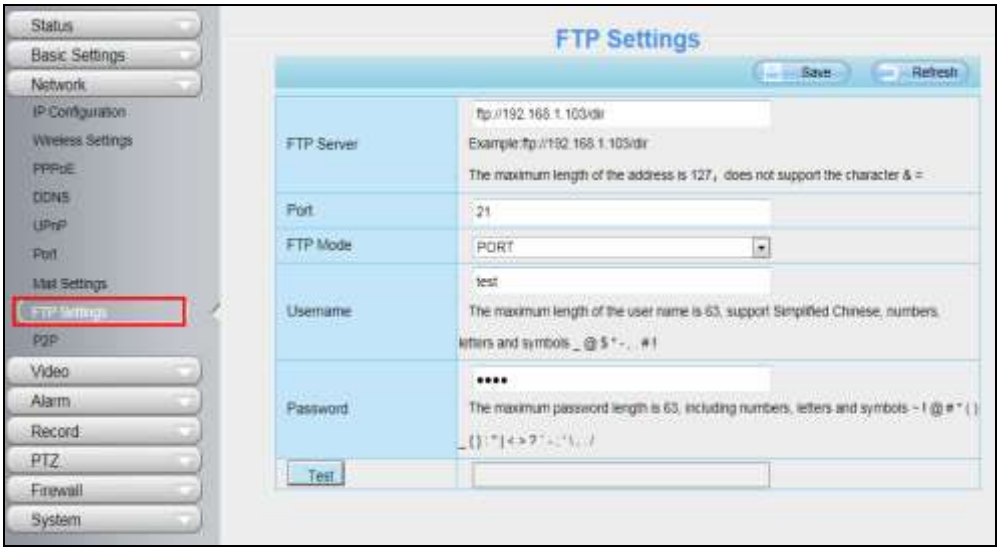


Figure 6.43

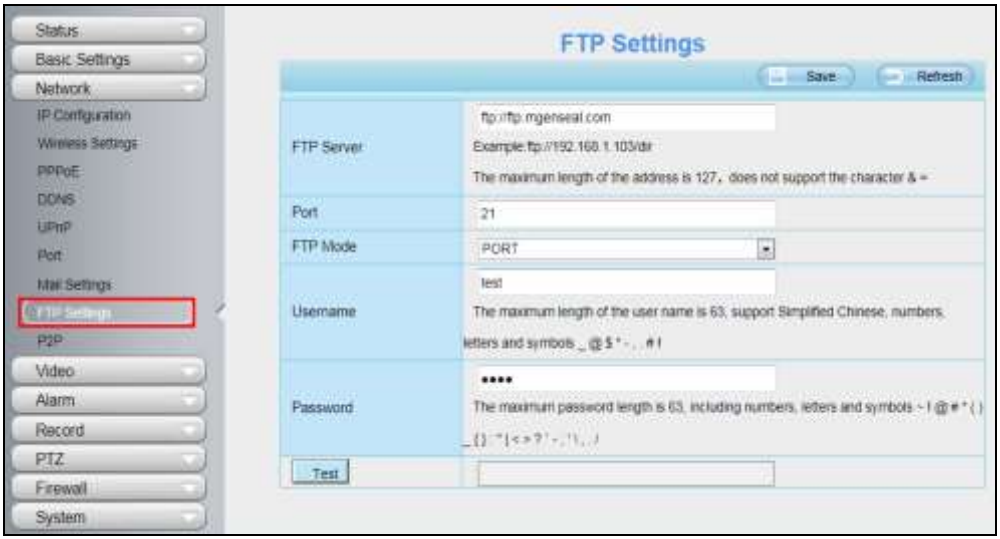


Figure 6.44

FTP server: If your FTP server is located on the LAN.
If you have an FTP server which you can access on the internet.
Port: 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.
Username/password: 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 → Network → P2P".

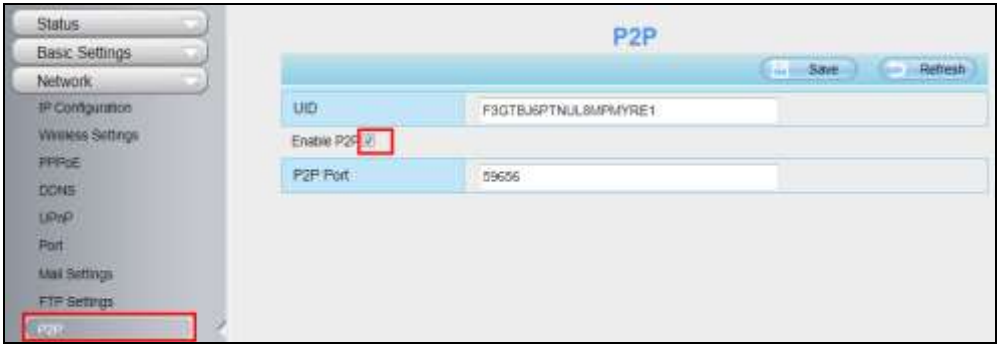


Figure 6.45

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.

Figure 6.46

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

Resolution: 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.
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.
Frame rate: 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.
Key Frame Interval: 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.

Figure 6.47

Display Timestamp: There are two options: Yes or NO. Select Yes and you can see the system date on the video.
Display Camera Name: 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.

Figure 6.48

Allow On Screen Display Mask: 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.

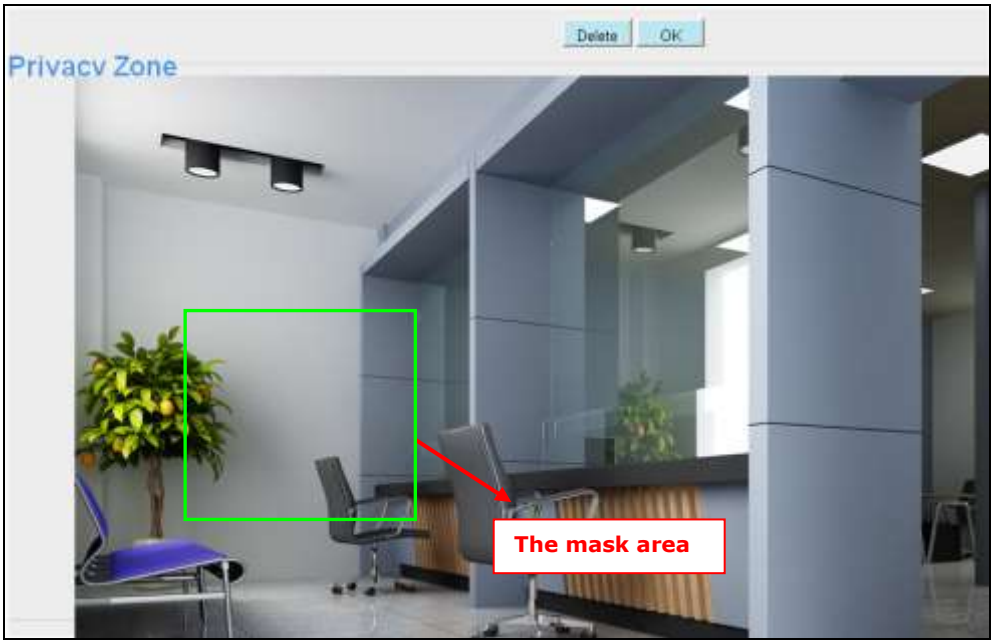


Figure 6.49

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:

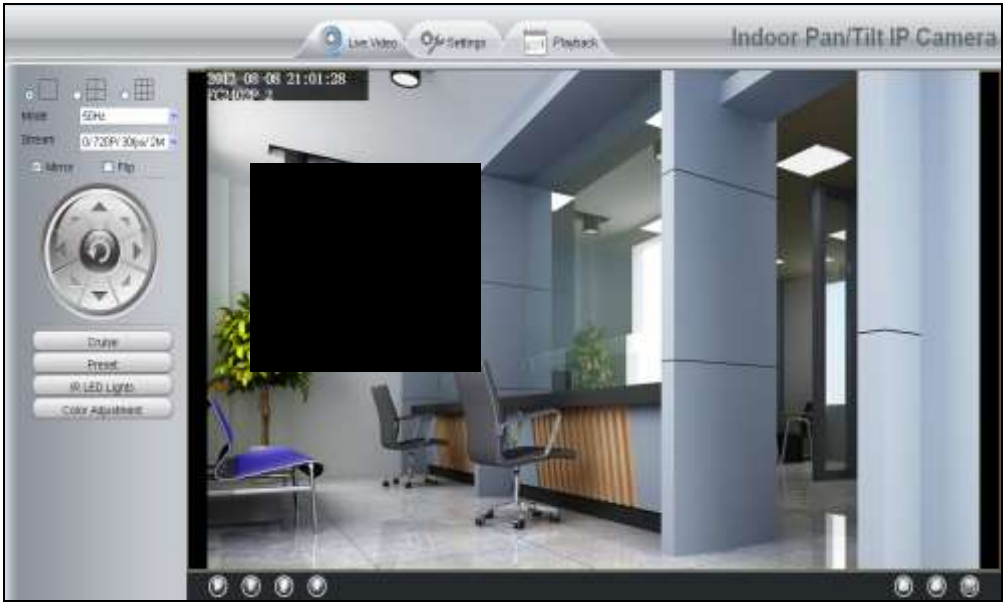


Figure 6.50

6.4.4 Snapshot Settings

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

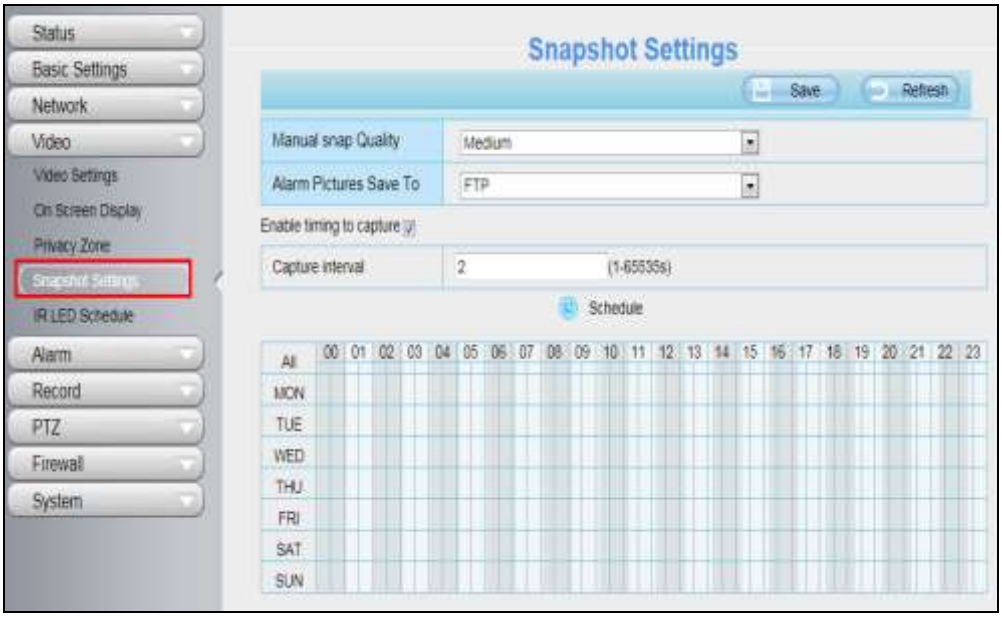


Figure 6.51

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

Alarm Pictures Save To: 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.

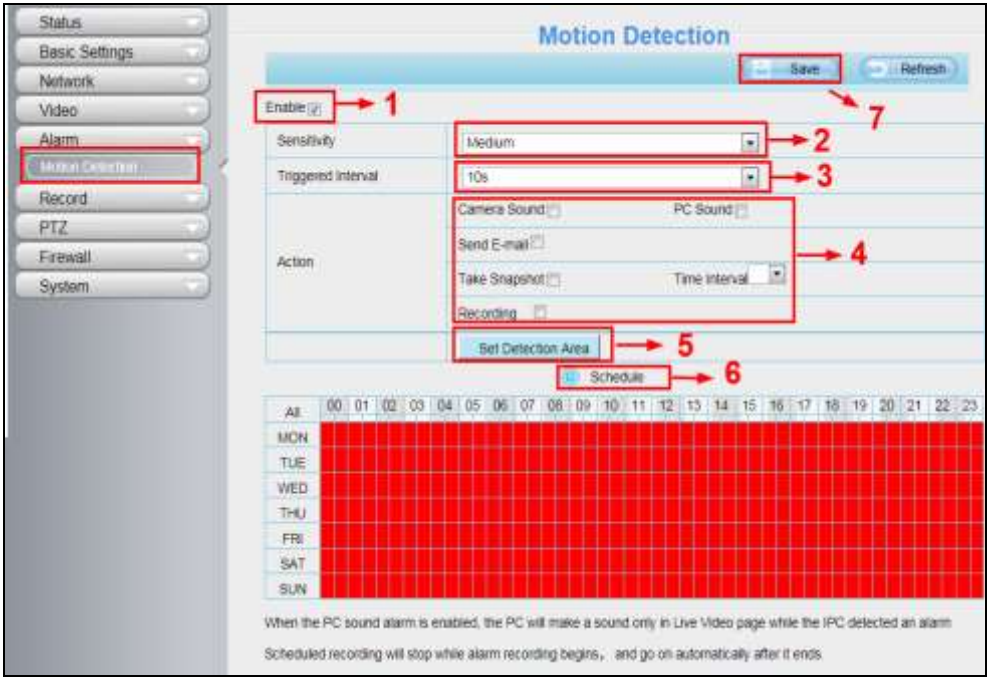


Figure 6.53

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.

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 E-mail and set Mail Settings first. The alarm email cannot contain the alarm picture if you have not selected Take Snapshot.

C Take Snapshot
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.

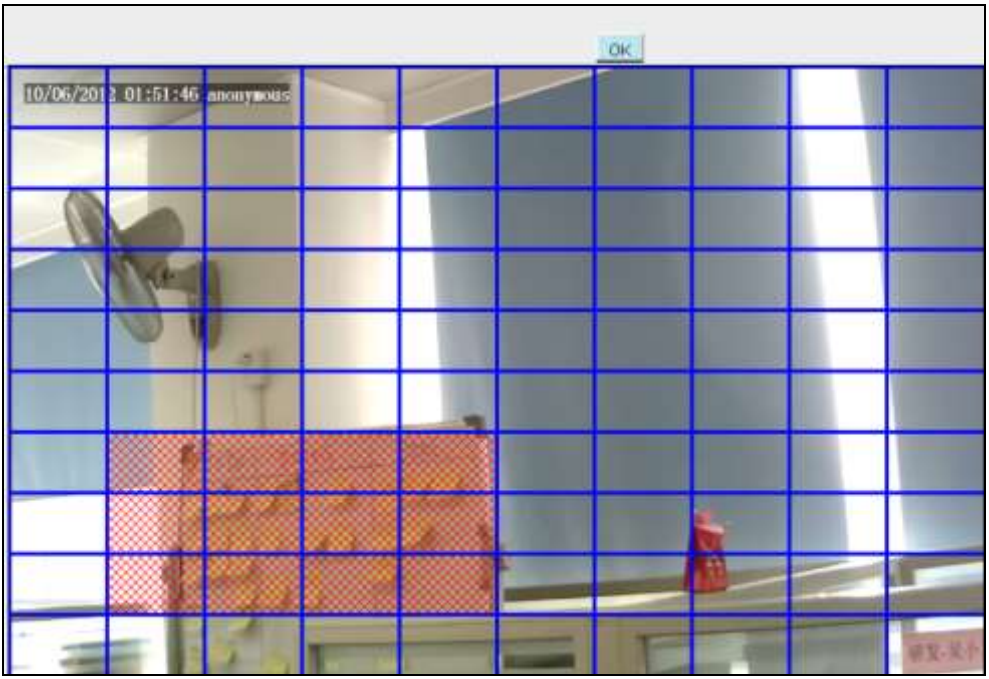


Figure 6.55

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.

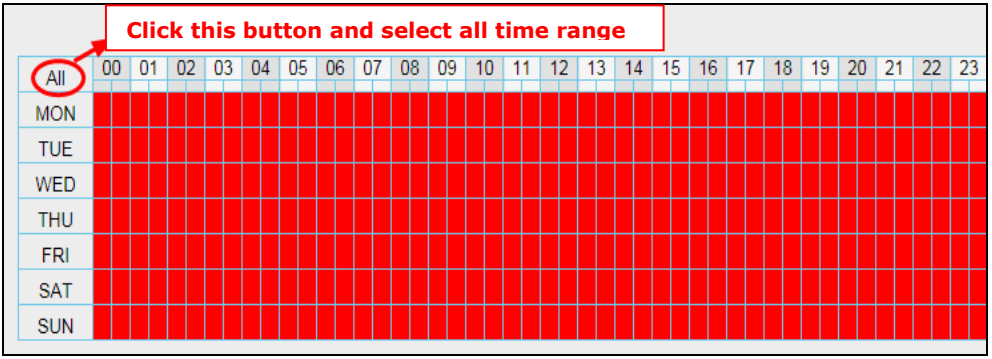


Figure 6.56

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.

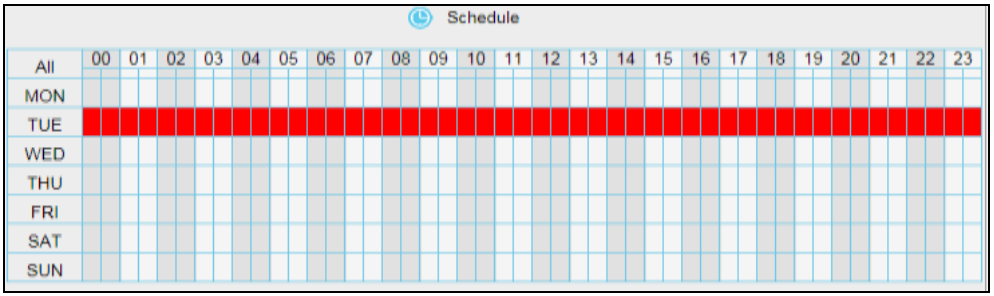


Figure 6.57

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

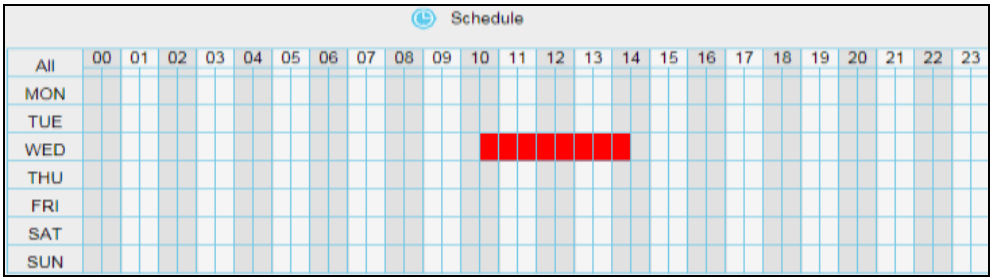


Figure 6.58

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.

NOTE: 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.

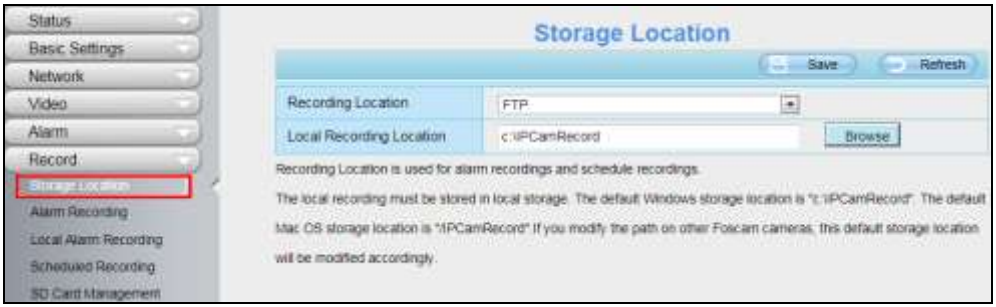


Figure 6.59

Recording Location: 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.

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.

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.

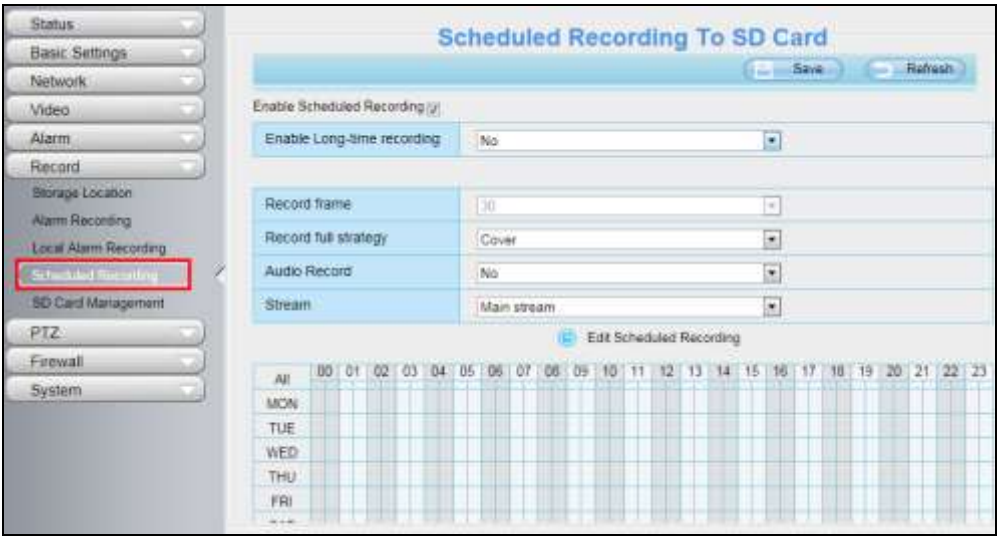


Figure 6.62

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

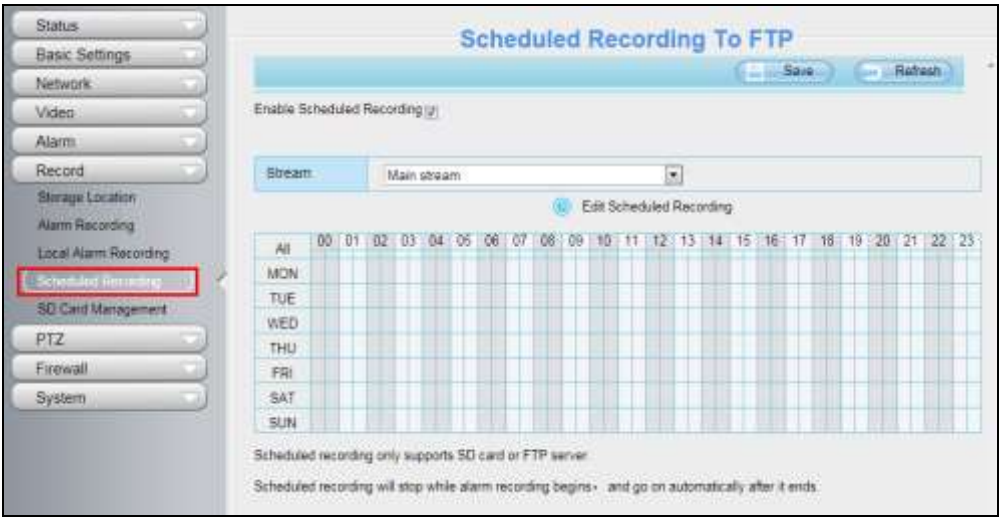


Figure 6.63

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 → Device Status → Device Status page, you can see the SD card status.

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 .

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.

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.

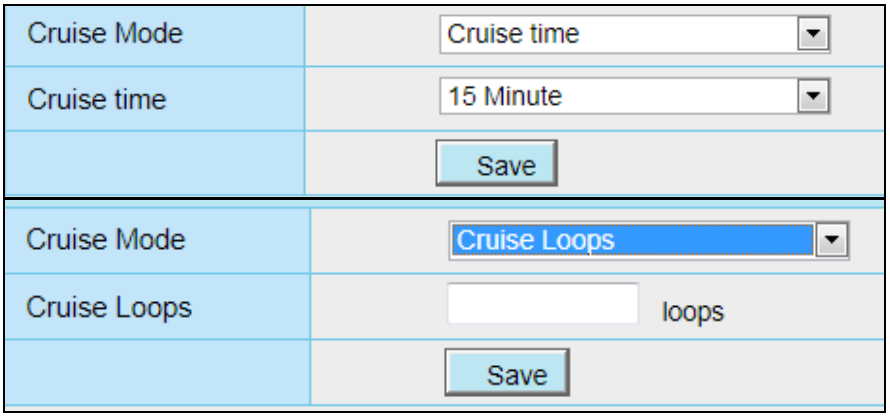


Figure 6.67

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.

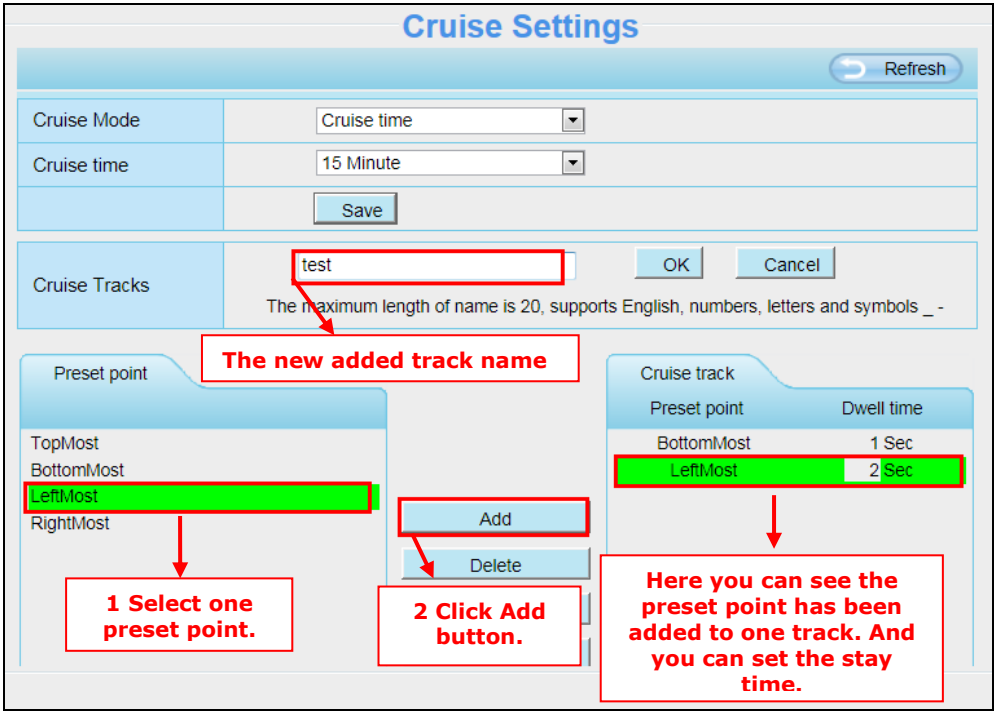


Figure 6.68

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.

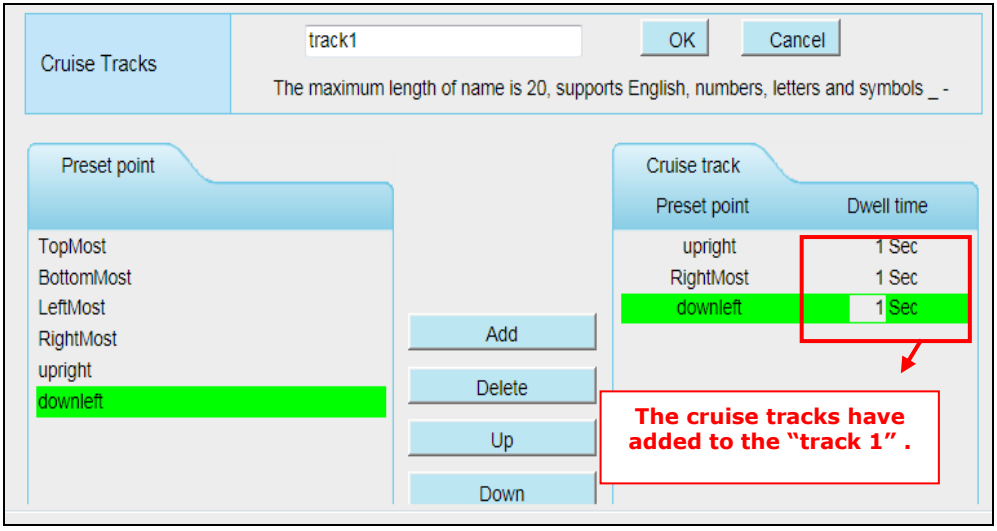


Figure 6.69

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,

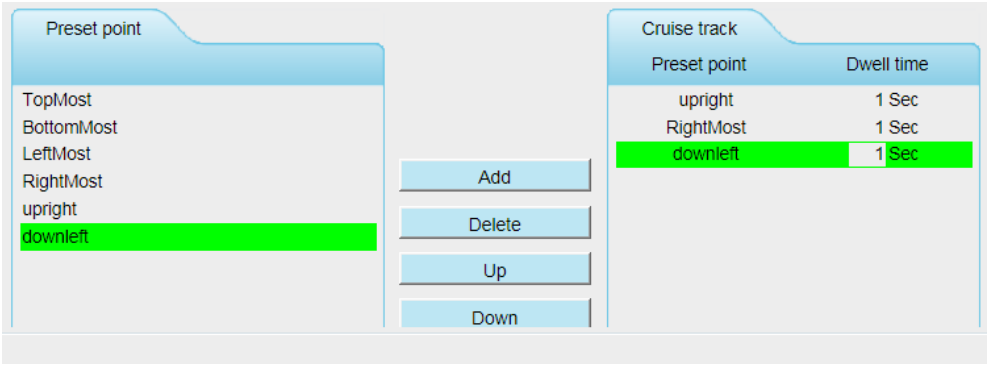


Figure 6.71

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

Attention: 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.
Go To Home Position: When rebooting, the camera will pa Providing Central Management Software to manage or monitor multi-cameras n / tilt and stops at center.
Go To Preset Position: Select one preset position and save it. When rebooting, the camera will pan/ tilt and stops at the preset position you have set.

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.

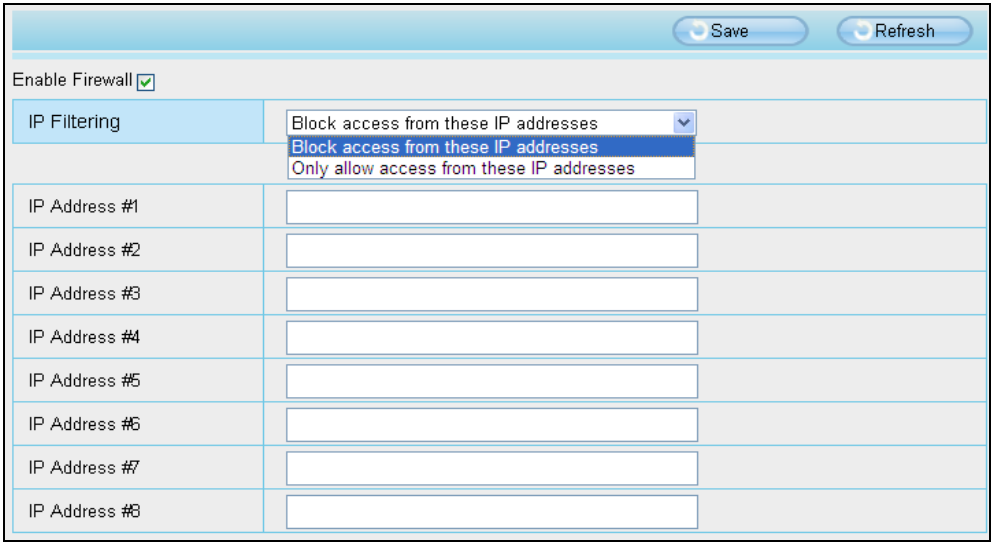


Figure 6.73

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.

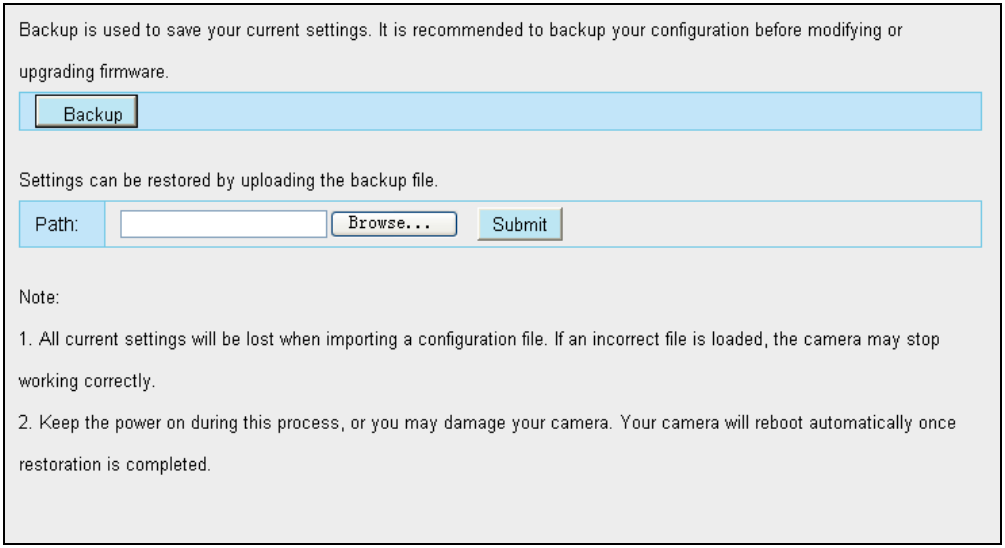


Figure 6.74

6.9.2 System Upgrade

Your current firmware version will be displayed on your screen. You may go to the Device Status → 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.

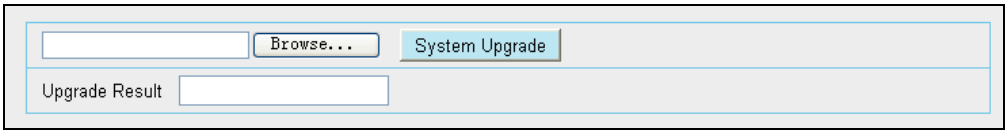


Figure 6.75

Upgrade Firmware by IP Camera Tool

Double click the IP Camera Tool shot icon , 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.

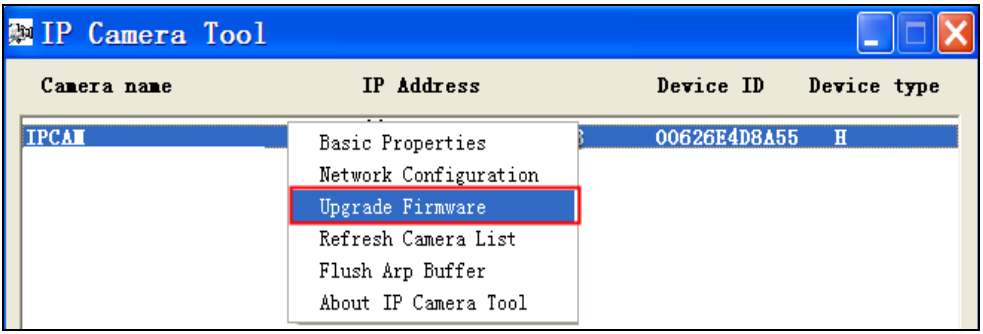


Figure 6.76

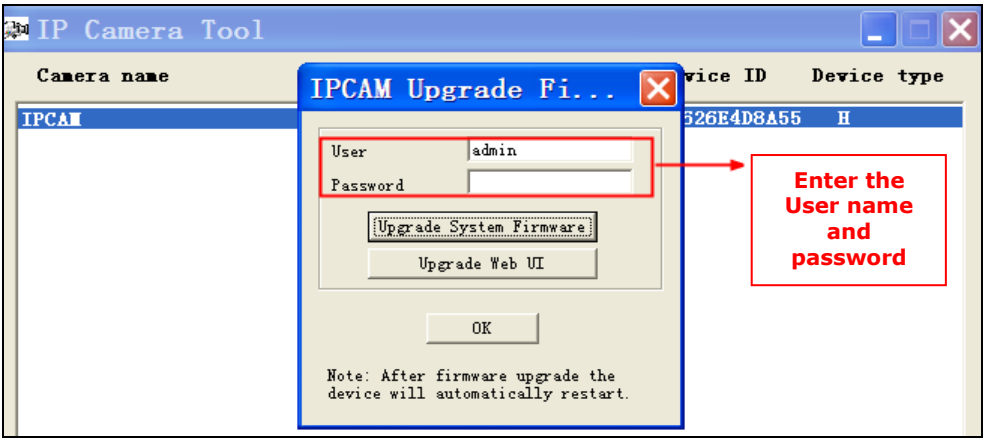


Figure 6.77

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.

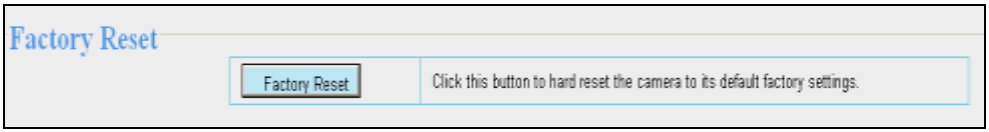


Figure 6.78

6.9.4 Reboot

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

Figure 6.79

7. Playback

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

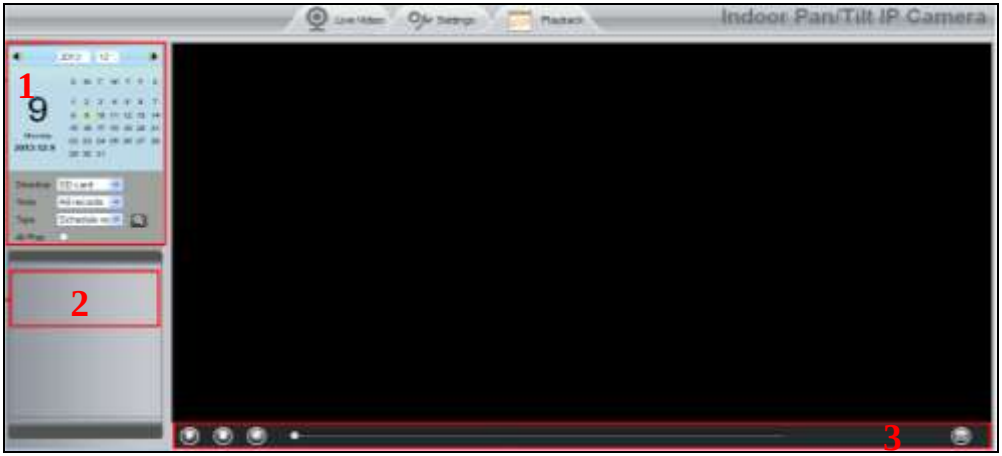


Figure 6.80

1) Define the Record files time and Type

Directory SD card : 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.

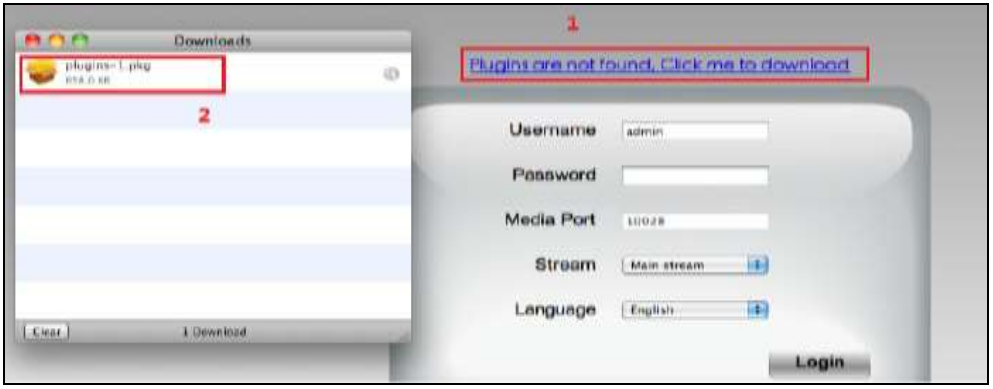


Figure 8.1

Double click the plug-in to install it.

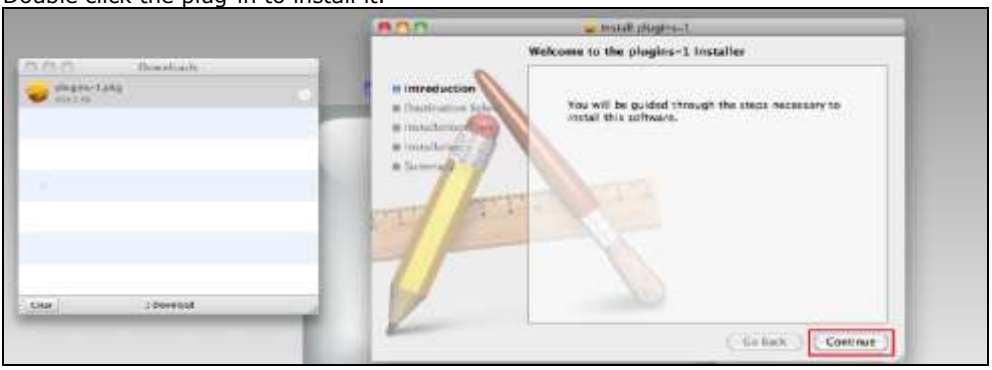


Figure 8.2

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

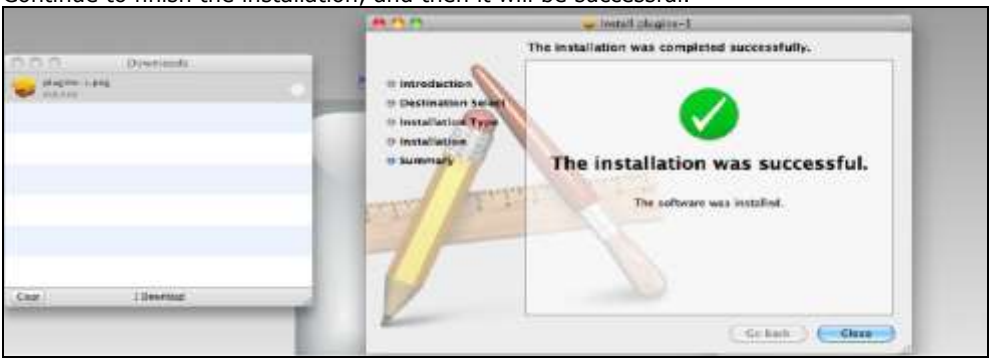


Figure 8.3

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

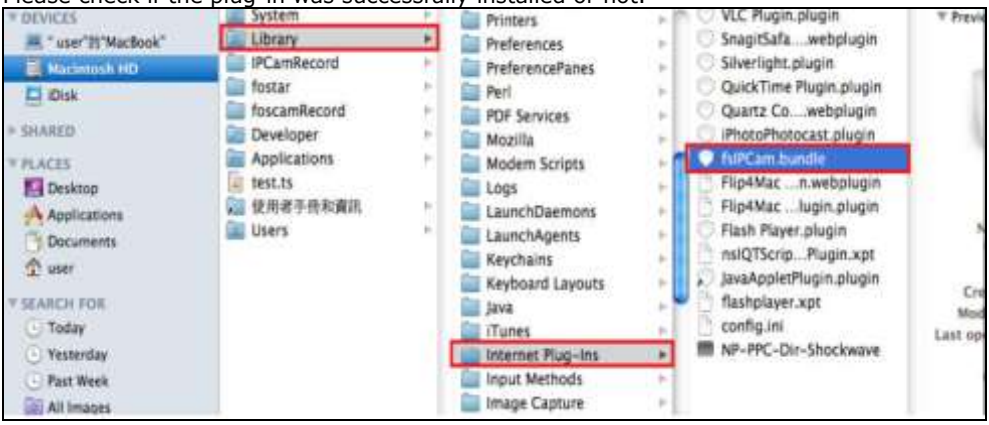


Figure 8.4

Restart Safari to enable the plug-in.

8.1.2 How to download and install the ActiveX for Firefox users

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.

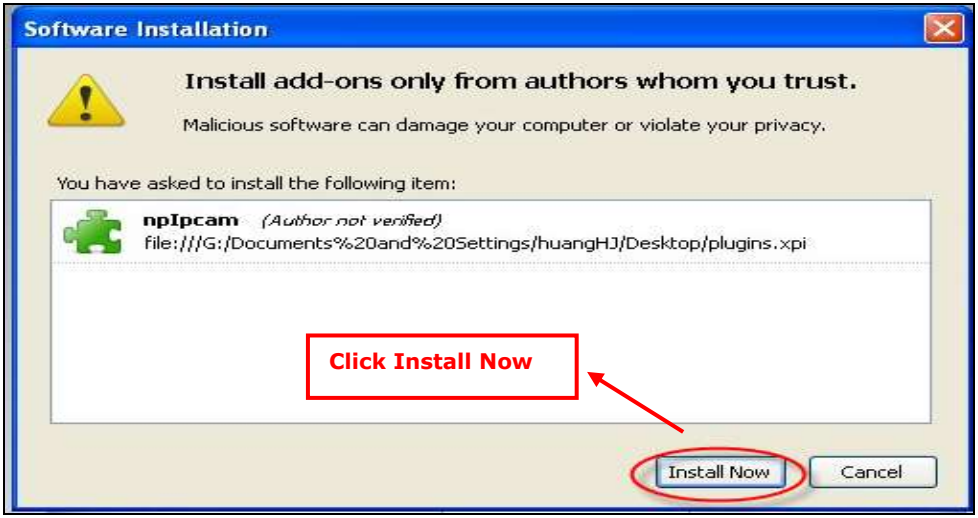


Figure 8.6

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 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.

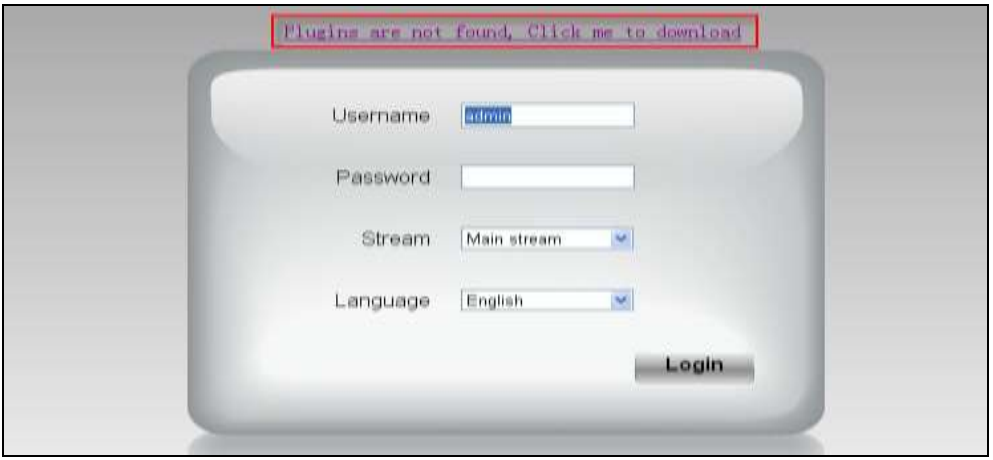


Figure 8.7

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

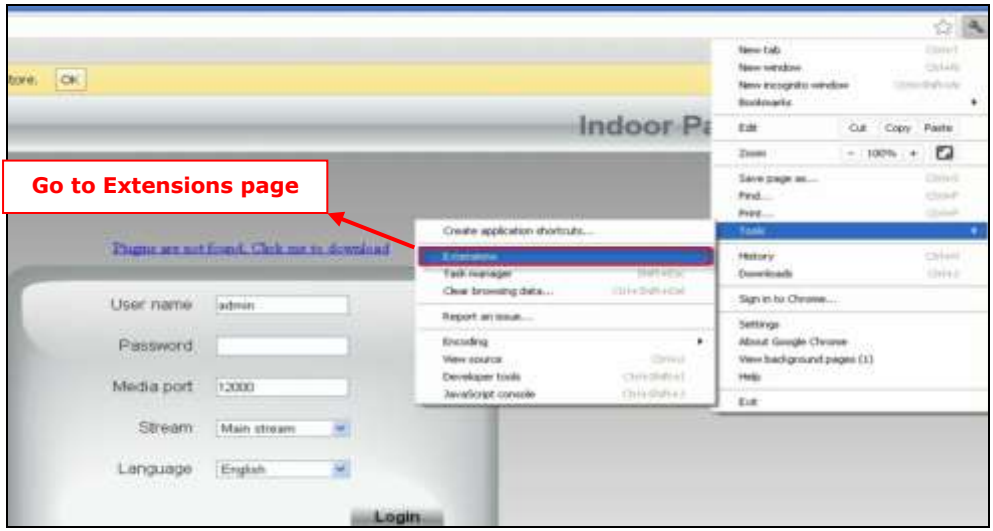


Figure 8.8

Click Add button to install the Plugins.

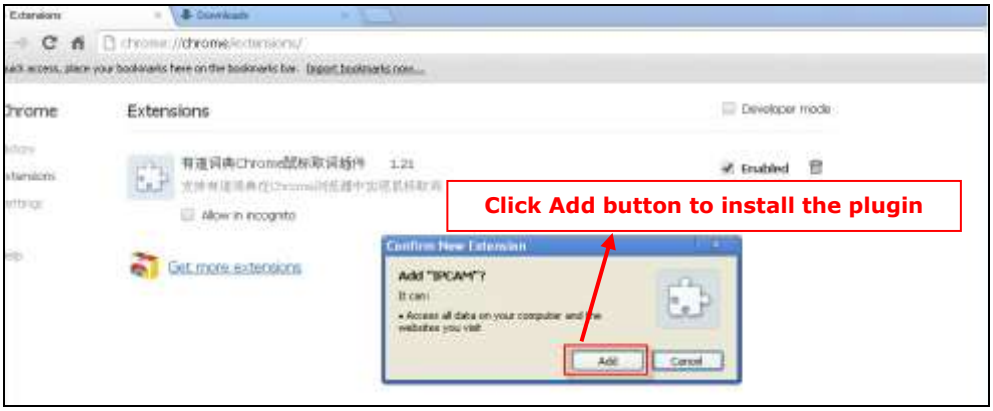


Figure 8.9

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 → Tool → Internet Properties → Security → Trusted sites → Sites → 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 → Network Connections → Dbclick Local Area Connections → Choose General → 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→Tool→Internet Proper→Security→Custom Level→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

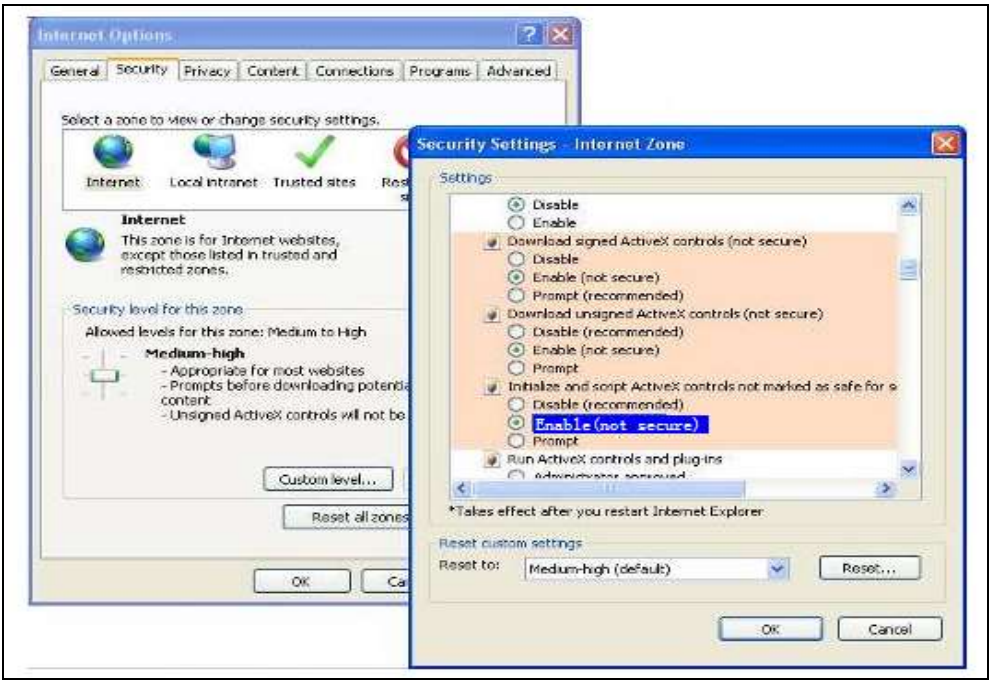


Figure 8.10

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.

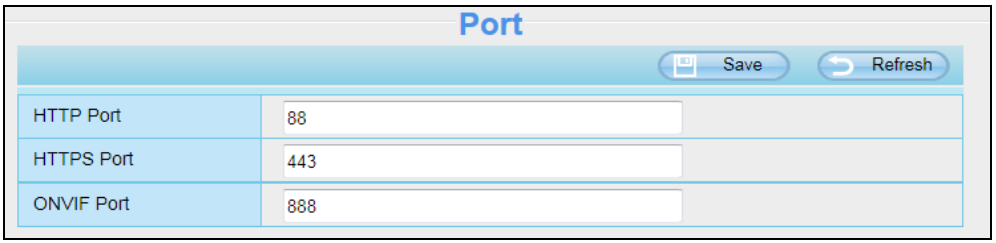


Figure 8.11

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		
Image Sensor	Sensor	High Definition Color CMOS Sensor
	Display Resolution	1280 x 720 (1Megapixels)
	Min. Illumination	0 Lux (With IR Illuminator)
Lens	Lens Type	Glass Lens
	focal length	f:2.8mm
	Aperture	F2.4
	Angle of View	70°
Video	Image Compression	H.264
	Image Frame Rate	30fps maximum, downward adjustable
	Resolution	720P (1280 x 720), VGA (640 x 480), VGA (640 x 360), QVGA (320 x 240), QVGA (320 x 180)
	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
Network	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.).
	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 Requirements	Operating System	Microsoft Windows XP, Vista, 7, 8; Mac OS; iOS; Android
	Browser	Microsoft IE7 + above version or compatible browser; Mozilla Firefox; Google Chrome; Apple Safari.
Other Features	Motion Detection	Alarm via E-Mail, upload alarm snapshot to FTP
	Privacy Zone	Set privacy zone manually
	User Accounts	Three levels user role
	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.)
Physical	Dimension(LxWxH)	110(L)*103(W)*127(H) mm
	Gross Weight	680g
	Net Weight	310g
Environment	Operating Temperature	-20° ~ 55°C (-4°F ~ 131°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temperature	-20°C ~ 60° (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
Certification	CE, FCC, RoHS	

Power adapter should be used between 0℃-40℃, 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 täyttää 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

Also available from ebode: Bluetooth Speaker and Bluetooth receiver

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.

Also available from ebode: FM Transmitters and Infrared products

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 infra-red 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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