

# ***User Manual***

**Model: AMBIENTCAM**

**Outdoor Wireless IP Camera**





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## 1 Overviews

The IPCAM is an integrated wireless IP Camera with a color CMOS sensor. It combines a high quality digital video camera, with a powerful web server, to bring clear video to your desktop from anywhere on your local network or over the Internet.

The IPCAM supports IR-CUT, when light conditions turns poor, the IR cut filter will be automatically removed to accept IR illumination. Meanwhile, the camera switches itself automatically from color to black and white, assuring optimal image quality at all times.

The IPCAM 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 achieve the remote configuration, start-up and to upgrade the firmware.

This camera is designed for outdoor surveillance applications such as gardens, courtyards or parks. Controlling the IPCAM and managing images are simplified by using the provided web interface across the network utilizing wireless connectivity.

IPCAM provides Phone APPs for Android and iPhone users, please search and install **IPCam Viewer** on Google Play, or search and install **IPCam\_Viewer** on APP Store, then you can view your camera directly as a computer.

### 1.1 Key Features

- Powerful high-speed video protocol processor
- High Definition Color CMOS Sensor
- 300K Pixels
- IR night vision (Range:20m)
- Optimized MJPEG video compression for transmission
- Multi-level users' management and passwords definition
- Embedded Web Server for users to visit by IE
- Wi-Fi compliant with wireless standards IEEE 802.11b/g/n
- Supports IR\_CUT and the filter change automatically
- Supports Dynamic IP (DDNS) and UPnP LAN and Internet (ADSL, Cable Modem)
- Embedded IPCAM DDNS (dynamic domain name service ) Service
- Motion detection activates alarm





- Supports image snapshot
- Supports multiple network protocols: HTTP/TCP/IP/UDP/STMP/DDNS/SNTP/DHCP/FTP
- Supports WPS(Wi-Fi Protected Set-up)
- Supports WEP/WPA/WPA2 encryption
- Supports Daylight Saving Time
- Supports MSN
- Supports Gmail as sender on mail service settings
- Providing Phone APPs for Android and iPhone users
- Providing Central Management Software to manage or monitor multi-cameras

## **1.2 Read Before Use**

Please first verify that all contents received are complete according to the Package Contents listed below. Before the Network 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.

## **1.3 Packing Contents**

• IPCAM×1	• CD×1
• Wi-Fi Antenna×1	• Quick Installation Guide×1
• DC Power Supply×1	• Network Cable×1
• Mounting bracket×1(option)	

## **1.4 Physical Description**

### **Front Panel**

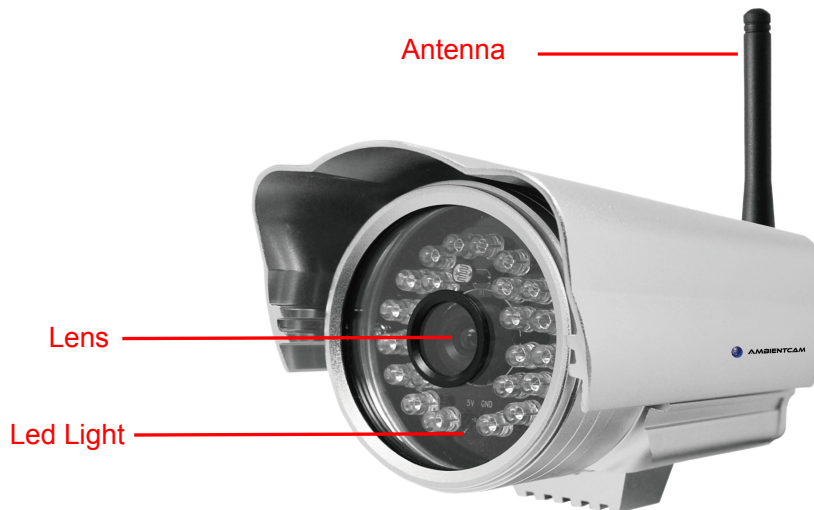


Figure 1.1

**Infrared LED:** 24 IR LEDs

**LENS:** CMOS sensor with fixed focus lens

**WIFI Antenna:** Wireless Antenna

## Back View



Figure 1.2

**LAN:** RJ-45/10-100 Base T

**Power:** DC 5V/2A Power supply

**RESET BUTTON:**

- 1) Press and hold down the RESET BUTTON for 10 seconds. Release the power button and IP camera will be reset back to the factory default parameter.
- 2) Press and hold down the RESET BUTTON about 4 seconds, then press the WPS button on the router, then you can use the WPS function. (For more details: please read Wireless Settings in the User Manual)



## Bottom View

There are up to three labels located on the body of the camera; this is an important feature of original IPCAM cameras. If your camera does not have labels as shown in Figure 1.3, it may be a clone one. Cloned IPCAM cameras can not use original firmware and are not eligible for warranty or technical services.

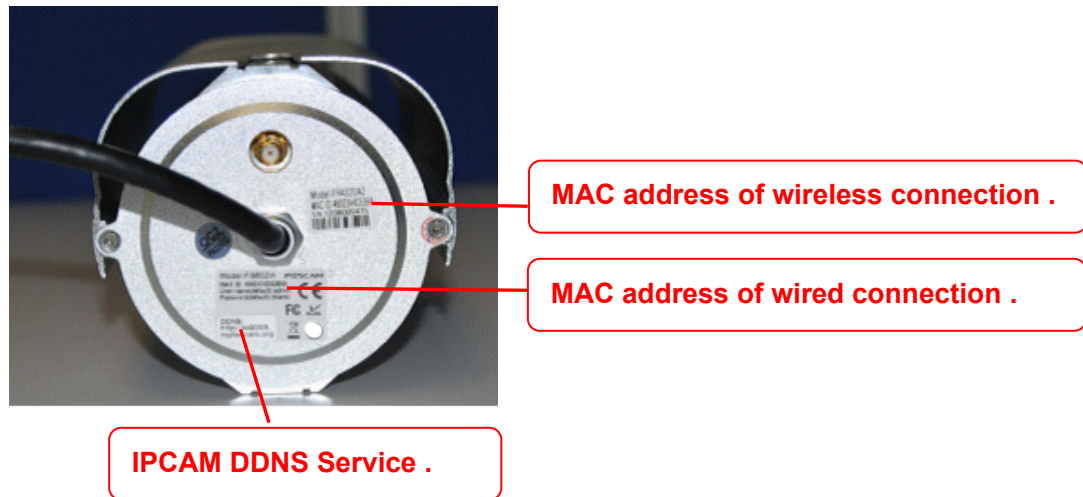


Figure 1.3

## 2 Surveillance Software GUI

### 2.1 Login Window

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

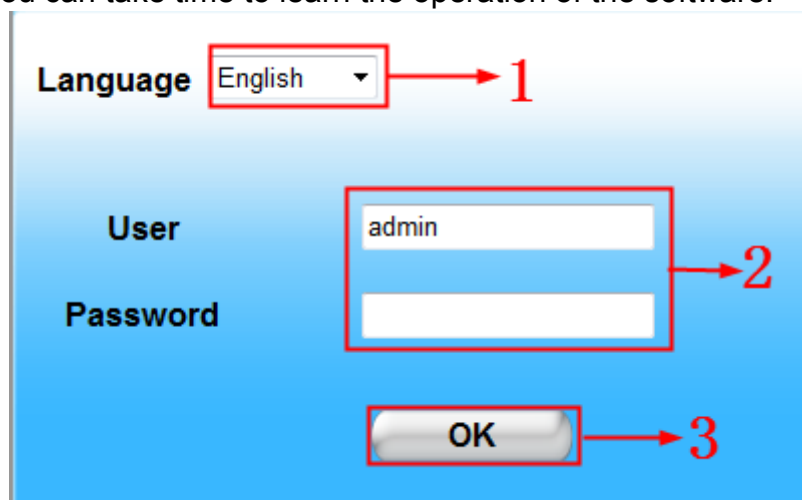


Figure 2.1



### Section1 Select Language

IPCAM camera supports up to multi-languages, such as English, Spanish, Deutsch and so on. You can select the language you need via pull down the dropdown toolbar and click on the language to switch.

### Section2 Enter the Username and password

The default administrator username is admin with no password, please reset the username and password at first using and prevent unauthorized users login the camera.

### Section3 Click OK button.

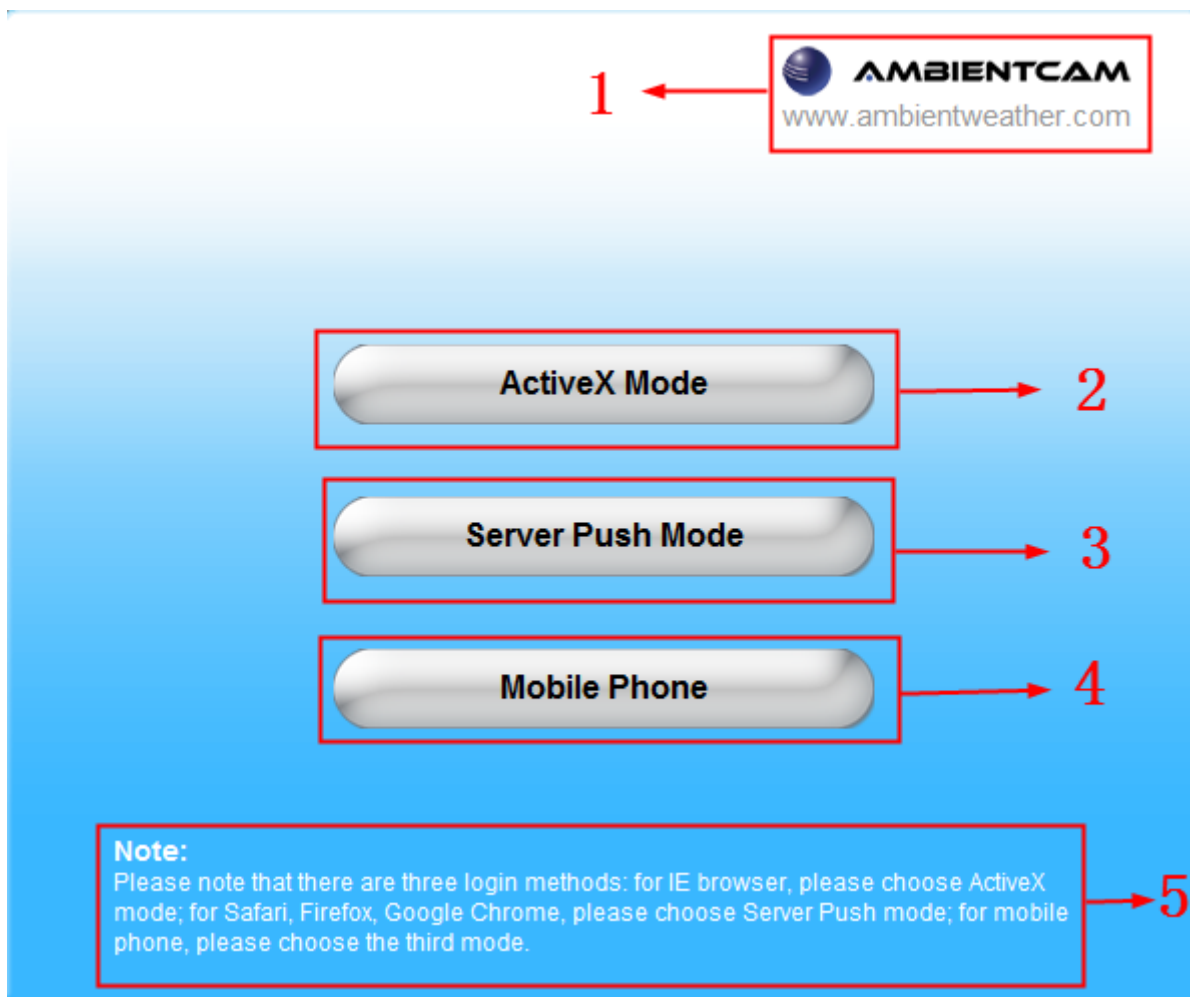


Figure 2.2

Please check the login window above, it was divided to 6 sections from no. 1 to 5.

### Section1 IPCAM Website Link

There is an access link to IPCAM website homepage, if you need tech support you can contact IPCAM directly.



## **Section2 ActiveX Mode**

If your PC is windows based OS, such as Windows XP, Windows7, Windows Vista and you are using IE-based browsers like IE6, IE7, IE8, please choose IE ActiveX Mode login mode.

## **Section3 Server Push Mode**

If you are using non-IE based browser, like Firefox, Safari, Google Chrome please choose Server Push Mode mode.

## **Section4 Mobile Phone**

If you are using the Mobile to access the camera, here you need to select Mobile Phone login mode.

## **Section5 Note**

Note that when you login the camera, please select the corresponding login mode.

## **2.2 Surveillance Window**

Select the ActiveX mode and you will enter the surveillance window.



Figure 2.3

### Section1 Device Name

Default device name is Anonymous. You can define a name for your camera as you like (Please go to chapter 3.1 and read how to set it)

### Section2 Multi-Device Window



The firmware inside the camera supports up to maximum of 9 cameras being monitoring at the same time. You can add other cameras in multi-device setting (read chapter 3.5).

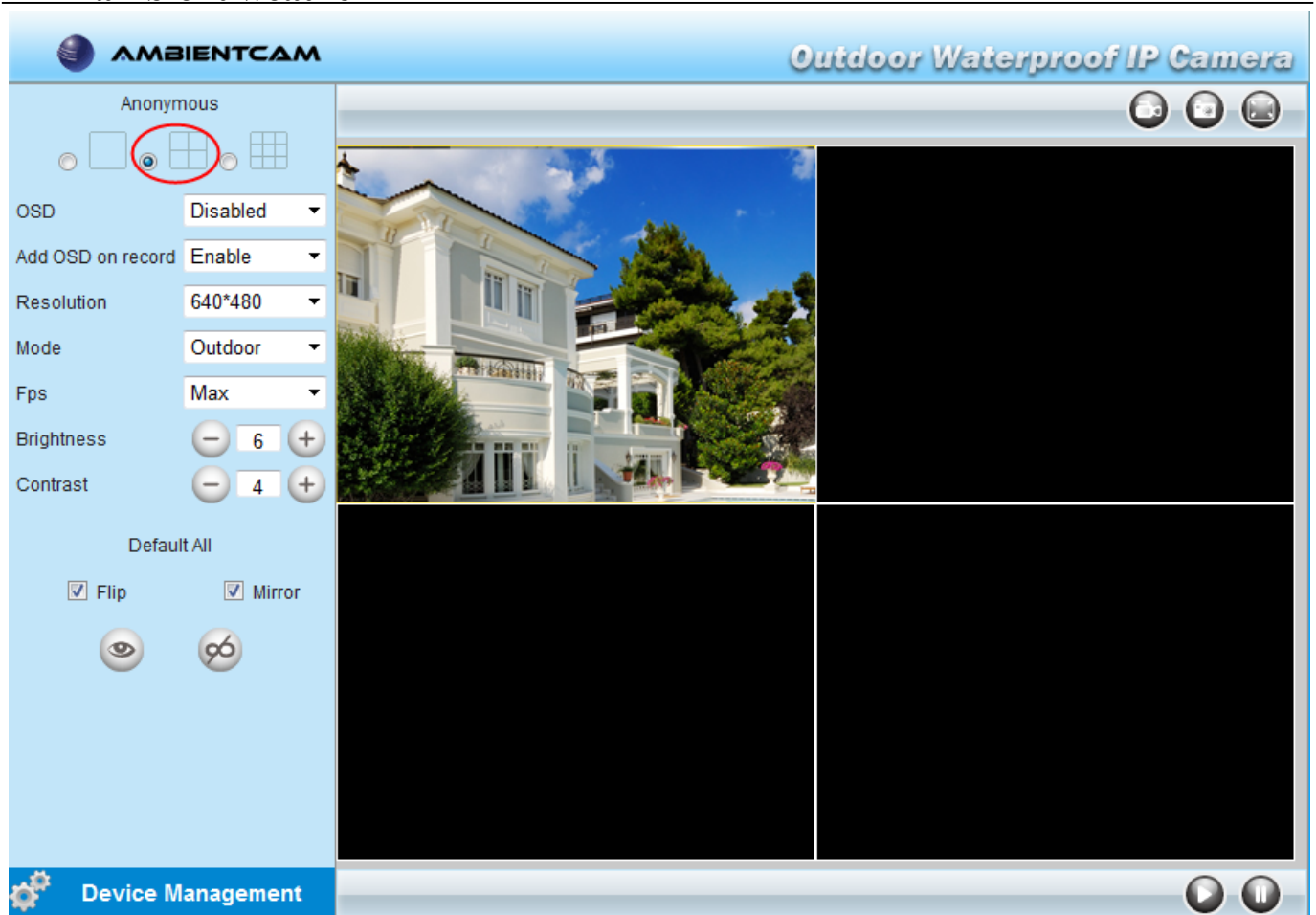


Figure 2.4

### Section3 Image Parameters Settings



OSD disabled

Add OSD on record disable

Resolution 640\*480

Mode 50 HZ

Fps Max

Brightness 11

Contrast 5

Default All

☐ Flip ☐ Mirror

Figure 2.5

## **OSD**

OSD is used to add timestamp on the video. There are five text colors to choose from: Black, red, yellow, white, blue.

### **Add OSD on record**

Select this option if you want to add a timestamp to recordings.

### **Resolution**

- 1) 320x240-----QVGA
- 2) 640x480-----VGA

There are two resolutions, the bigger one (VGA) is 640x480 pixels, and the smaller one (QVGA) is 320x240 pixels. The bigger the resolution, the better of the image quality is, but the lower the frame rate is. If you are accessing the camera via internet and want to get more fluent video streaming, please select resolution QVGA 320x240.

### **Mode**

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

There are three options within the menu of Mode: 50HZ, 60HZ and Outdoor. It depends on the frequency of the electricity and surveillance model (indoors & outdoor). Please choose outdoor mode, when the camera was installed outside.

### **Fps**





- 1) Max----- Maximum frame rate
- 2) 20fps, 15fps, 10fps, 5fps, 4fps, 3fps, 2fps, 1fps, 5fps, 1fps, 1/2fps, 1/3fps, 1/4fps, 1/5fps----- customized frame rate

You can choose option within the menu of Fps to adjust the frame rate. It is often used in LAN network when you want to lower the frame rate, so that you can save more bandwidth.

### **Brightness**

Default parameter is 6, you can adjust the brightness of the image by clicking plus or minus button.

### **Contrast**

Default parameter is 4, you can adjust the contrast of the image by clicking plus or minus button.

### **Flip & Mirror**

You can flip the image by enabling Flip button, or mirror the image by enabling Mirror button.

## **Section4 IR Lights Buttons**



: Click this icon, all the IR lights will turn on.

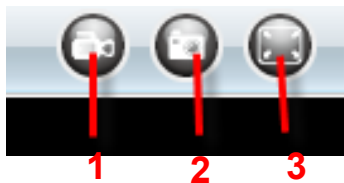



: Click this icon to turn off IR lights.

## **Section5 Device Management**

Device Management -----Path to Administrator Control Panel, Click it, and it will lead to Administrator Control Panel.

## **Section6 Record & Snapshot & Full Screen Buttons**



**1-----Record Button** Click it and it pop-up a path-setting window, you can select the storage path and the record file name. At the same time the record icon changes to , Click it again and stop recording.

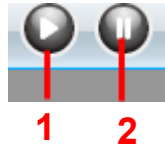
**2-----Snapshot** Click it to make snapshot and it pop-up a window which picture you snapshot,



right click in the window and save the picture to anywhere you want.

**3-----Full Screen** Click it to make full-screen, or you can double click the surveillance screen to make full-screen.

### Section7 Play/Stop Buttons



**1-----Play** Click it to play the video of the camera

**2-----Stop** Click it to stop the video of the camera



#### NOTE:

Record and multi-device function are controlled by ActiveX controller, therefore Firefox or Google Chrome, Safari browsers will not allow these functions.

For Firefox, Google Chrome, Safari, you should select the Server Push Mode and you can see the following screen:



Figure 2.6



## 3 Advanced Camera Settings

Click the bar “Device Management”, goes to Administrator Control Panel to make advanced camera settings.

### 3.1 Device Status

Device Status	
Device ID	000DC5D0C32C
Device Firmware Version	11.37.2.51
Device Embedded Web UI Version	2.3.20.1
Alias	Anonymous
Alarm Status	None
DDNS Status	Errors in Network Communication
UPnP Status	No Action
MSN Status	No Action

Figure 3.1

- 1-----**Device ID**    MAC ID of the camera by wired connection
- 2-----**Device Firmware Version**    System Firmware version of the camera
- 3-----**Device Web UI Version**    Web UI firmware version of the camera
- 4-----**Alias**    Name of the camera
- 5-----**Alarm Status**    The status of Alarm Service Setting
- 6-----**DDNS Status**    The status of DDNS Setting
- 7-----**UPnP Status**    The status of UPnP Setting
- 8-----**MSN Status**    The status of MSN Setting



## Another Way:



Double click the the icon “IP Camera.exe” , select the camera IP, right click and select the Basic Properties, you can also see the Firmware Version and MAC Address, such as the following screen:

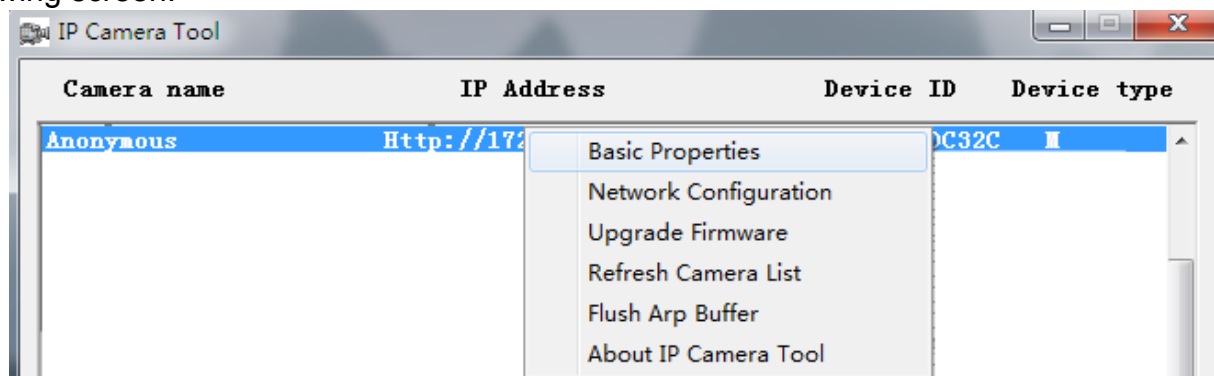


Figure 3.2

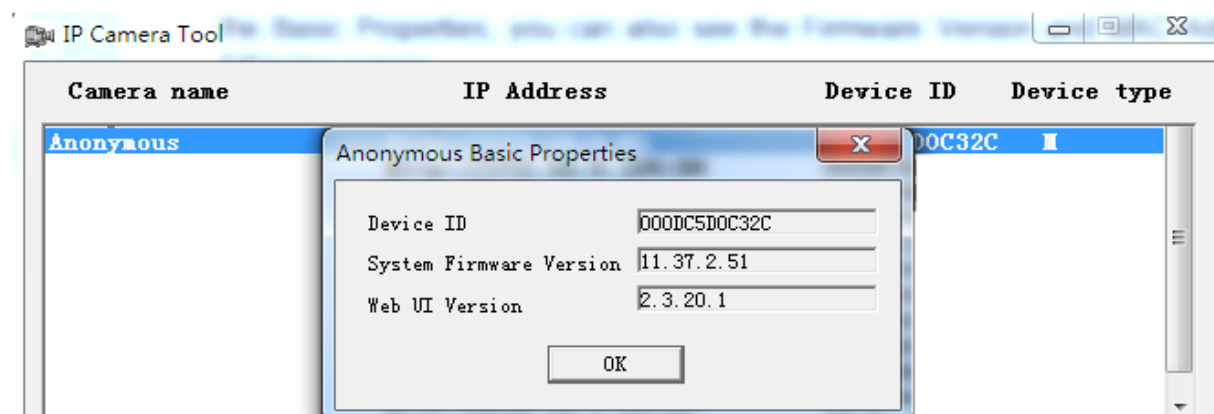


Figure 3.3



## 3.2 Alias Settings

Default alias is Anonymous. You can define a name for your camera here such as apple. Click **Submit** to save your changes. The alias name supports special characters.

Device Status

**Alias Settings**

Date & Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless LAN Settings

ADSL Settings

UPnP Settings

DDNS Service Settings

Mail Service Settings

MSN Settings

FTP Service Settings

Alarm Service Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

### Alias Settings

Alias Anonymous

Attention: Alias cannot contain any of the following characters: / : \* ? " < > |. Otherwise, it cannot create a recording file.

Submit Refresh

Click the option here to modify the device name

Enter the device name as you like. Use different names to identify multi-cameras

Figure 3.4

## 3.3 Date & Time Settings

Choose the time zone of your country. You can choose **Sync with NTP Server** or **Sync with PC Time**. If your country implements the **Daylight Saving Time**, that option can also be selected.



Device Status

Alias Settings

**Date & Time Settings**

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless LAN Settings

ADSL Settings

UPnP Settings

DDNS Service Settings

Mail Service Settings

MSN Settings

FTP Service Settings

Alarm Service Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

### Date & Time Settings

Device Clock Time: 2013年12月28日 4:42:46

Device Clock Timezone: (GMT) Greenwich mean time; London, Lisbon, Casablan

time.nist.gov

Sync with PC Time: ☒

Daylight Saving Time: ☒

Advance Time: 0'

Submit Refresh

**Go to Date & Time Settings**

**Select the time zone belong to your region**

Figure 3.5

## 3.4 User Settings

Here you can create users and set permission levels, **visitor**, **operator** or **administrator**. Click **Submit** to save these settings. The camera will reboot.

Device Status

Alias Settings

Date & Time Settings

**Users Settings**

Multi-Device Settings

Basic Network Settings

Wireless LAN Settings

ADSL Settings

UPnP Settings

DDNS Service Settings

Mail Service Settings

MSN Settings

FTP Service Settings

Alarm Service Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

### Users Settings

User	Password	Group
admin		Administrator
111		Visitor
		Visitor
		Visitor
		Visitor
		Visitor
		Visitor
		Visitor

Submit Refresh

**You can set different permission levels, but at least one administrator**

### Set Alarm Record Path

C:\Users\Public\Documents

Browse...

Figure 3.6



Here you can also set one important file locations for the camera, the **Alarm Record Path**. Simply click **Browse** and choose the path to the required folder.

The **Alarm Record Path** location is used to store automatically recorded files when the camera is activated by motion. (See set motion alarm. Figure 3.39) The default path for **Alarm Record Path** is C:\Documents and Settings\All Users\Documents.

**NOTE: In Windows7 or Vista, if you cannot set the paths.:**

Windows7 or Vista's security level is higher than Windows XP/2000. For "set record path" function, user should add the Device IP address to the Internet Explorer's 'Trusted sites' first. The step is: IE browser→Tool→Internet Proper→Security→Trusted sites→Sites→Add

## 3.5 Multi-Device Settings

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.

### 3.5.1 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. After all cameras have been added, choose **Submit**.





### Multi-Device Settings

Device List in LAN	<div>demo8918(192.168.11.206)</div> <div>demo FI8910W(192.168.11.211)</div> <div><b>demoFI8916W(192.168.11.208)</b></div> <div>Anonymous(192.168.11.169)</div> <div>Refresh</div>
The 1st Device	This Device
The 2nd Device	None
Alias	demoFI8916W
Host	192.168.11.208
HTTP Port	8916
User	admin
Password	
	<div>Add Remove</div>
The 3rd Device	None
The 4th Device	None
The 5th Device	None
The 6th Device	None
The 7th Device	None

1 Click it, alias, host and HTTP Port will be filled in the following boxes automatically

2 Enter the User name and password of the 2nd camera

3 Click Add to take effect

Figure 3.7a

### Multi-Device Settings

Device List in LAN	<div>demoFI8916W(192.168.11.208)</div> <div><b>demo8918(192.168.11.206)</b></div> <div>demo FI8909W(192.168.11.212)</div> <div>Anonymous(192.168.11.169)</div> <div>Refresh</div>
The 1st Device	This Device
The 2nd Device	demoFI8916W(192.168.11.208)
The 3rd Device	demo FI8910W(192.168.11.211)
The 4th Device	demo8918(192.168.11.206)
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None

Attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.

Submit

Click Submit after add all cameras

Figure 3.7b





## ambient weather

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



Figure 3.8

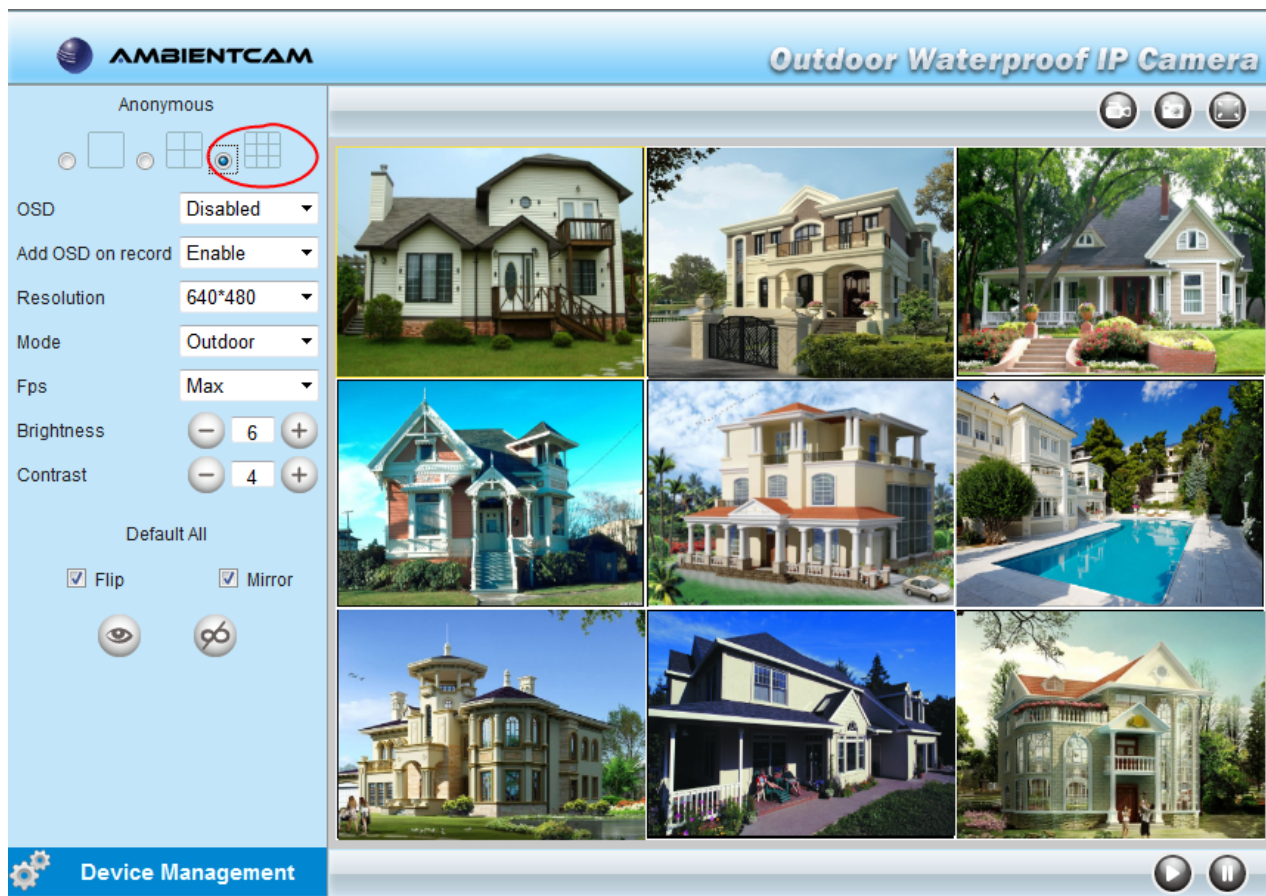


Figure 3.9

### 3.5.2 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 3.10**)  
Login to the first camera using a DDNS domain name and port.



Use DDNS domain name and port to login

Device Status	
Device ID	000DC5D0C32C
Device Firmware Version	11.37.2.51
Device Embedded Web UI Version	2.3.20.1
Alias	Anonymous
Alarm Status	None
DDNS Status	Succeed http://test.mypcam.org:88
UPnP Status	No Action
MSN Status	No Action

Make sure each camera you need add could login with DDNS name and port

Figure 3.10

If you have several cameras, you can use the same DDNS domain name; you only need to set a different port number for each camera.

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 3.11)

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



**Multi-Device Settings**

Device List in LAN	demo FI8909W(192.168.11.212) demo FI8904W(192.168.11.214) <b>Anonymous(192.168.11.169)</b> demo FI8910W(192.168.11.211)
	<input type="button" value="Refresh"/>
The 1st Device	This Device
The 2nd Device	None
	Alias <input type="text" value="sarah"/>
	Host <input type="text" value="ipcam.dyndns.org"/>
	HTTP Port <input type="text" value="8090"/>
	User <input type="text" value="admin"/>
	Password <input type="password" value="..."/>
	<input type="button" value="Add"/> <input type="button" value="Remove"/>
The 3rd Device	None
The 4th Device	None
The 5th Device	None
The 6th Device	None
The 7th Device	None

Figure 3.11

- 1----- The 2nd camera's name
- 2----- Fill in the 2nd camera's DDNS host not LAN IP
- 3 ---- Enter the 2nd camera's user name and password
- 4---- Click Add button and to take effect

Add the other cameras in the same way. Click **Submit** to save.





### Multi-Device Settings

Device List in LAN	demoFI8916W(192.168.11.208) Anonymous(192.168.11.169) mdemo8918(192.168.11.206) mdemo FI8904W(192.168.11.214)
	<input type="button" value="Refresh"/>
The 1st Device	This Device
The 2nd Device	sarah(ipcam.dyndns.org)
The 3rd Device	apple(ipcam.myipcam.org)
The 4th Device	linla(test1.myipcam.org)
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None

Attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.

**Click submit after finishing all settings**

Figure 3.12

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 3.13



## 3.6 Basic Network Settings

If you want to set a static IP for the camera, select **Basic Network Settings**. Keep the camera in the same subnet of your router or computer.

Figure 3.14

Changing settings here is the same as using the IP Camera Tool. (Figure 3.17/3.18)

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.**

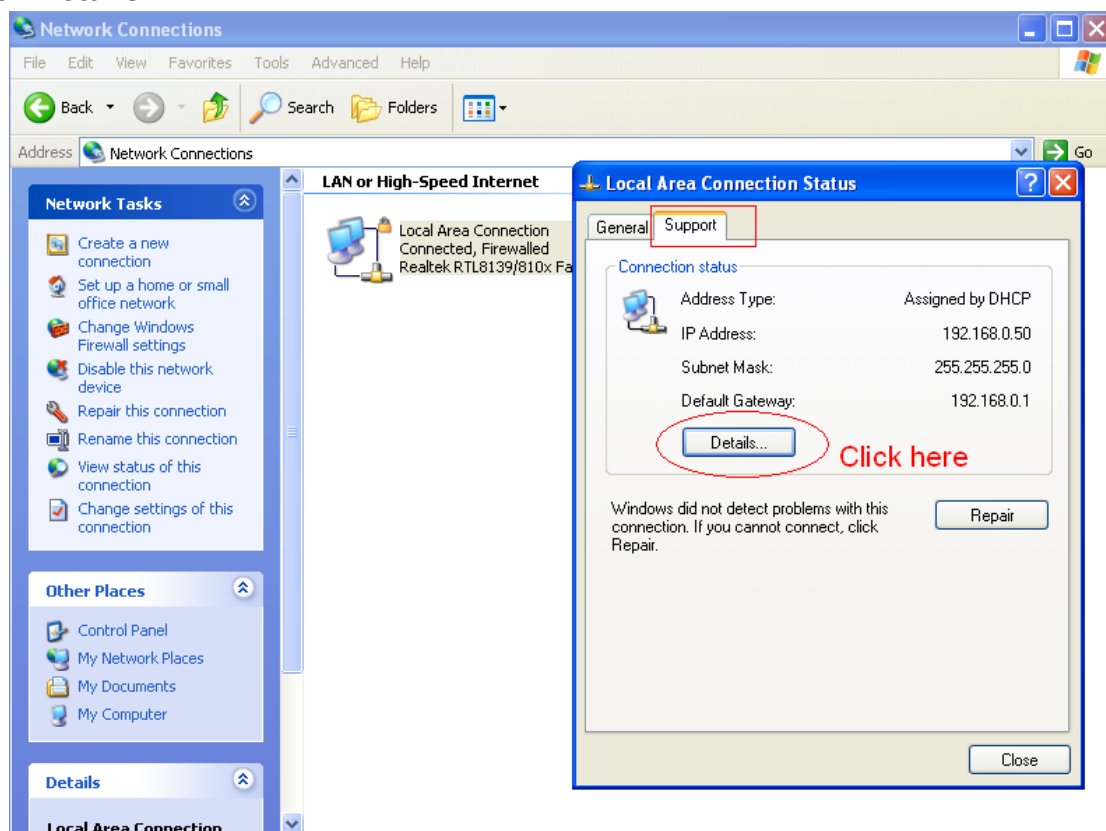


Figure 3.15

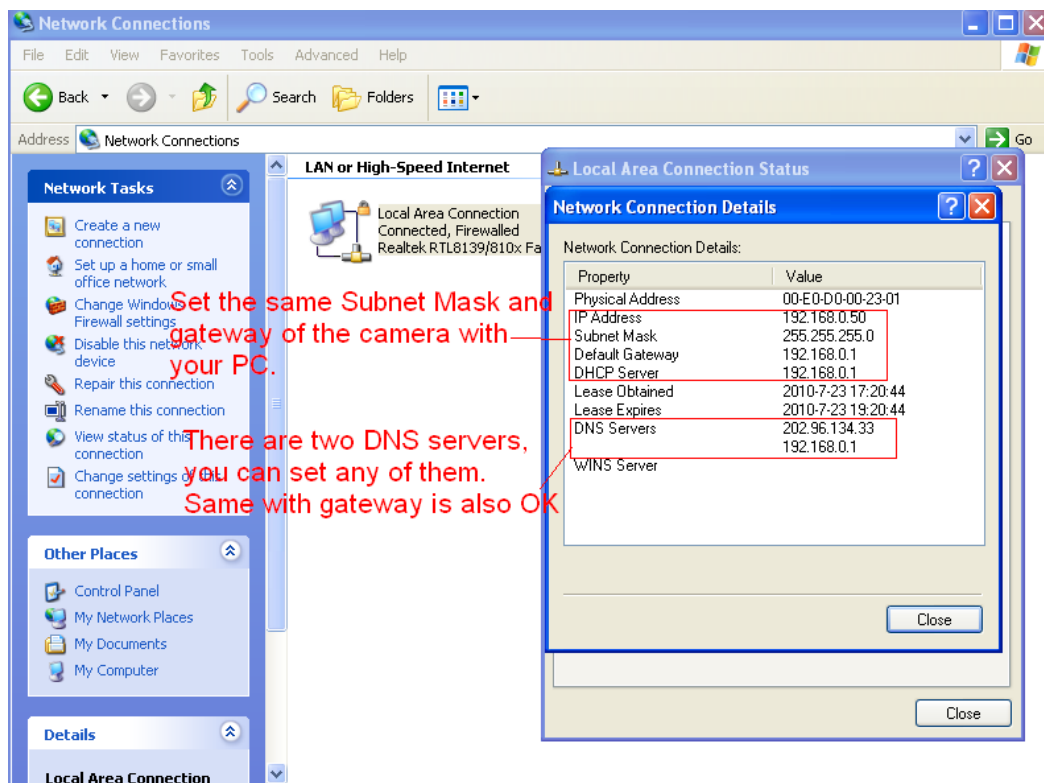


Figure 3.16

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

### Another way to change the camera's LAN IP and HTTP Port no.

Open the IP Camera Tool, select the camera you want to change the port no, right click on the IP address link, and goes to Option "Network Configuration", it pops up another dialogue showed as the following

screen

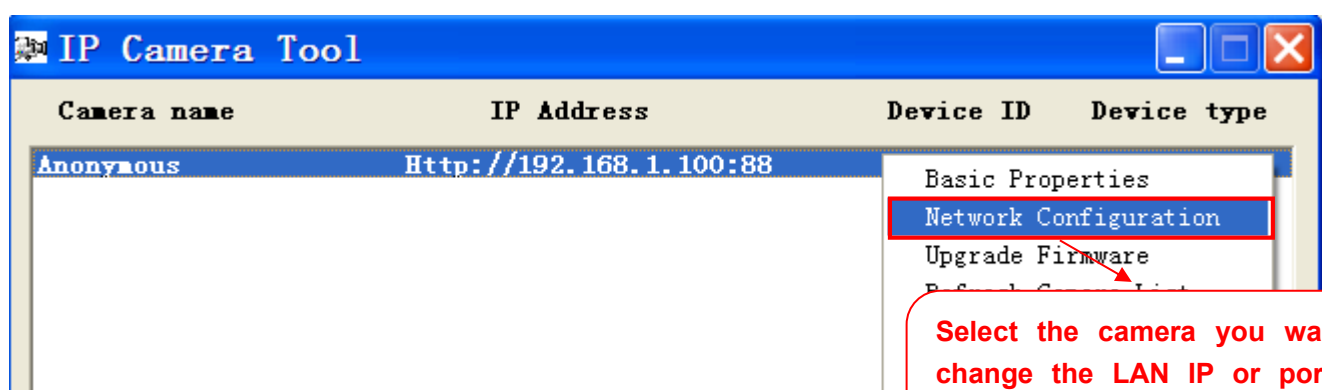


Figure 3.17

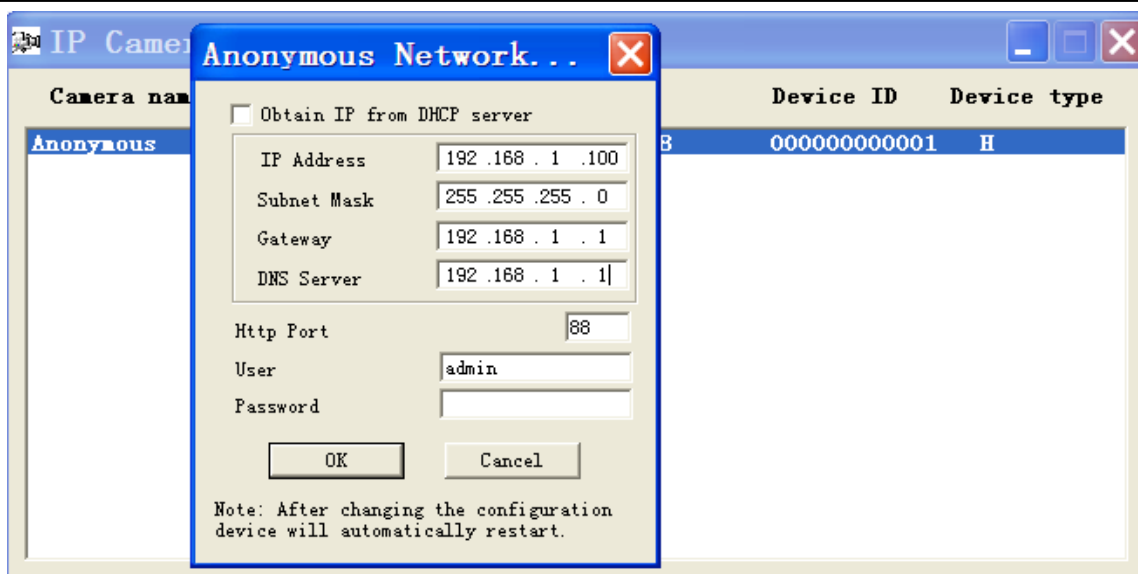


Figure 3.18

**IP Address:** Fill in the IP address assigned and make sure it is in the same subnet as your computer or router. (I.e. the first three sections are the same)

**Subnet Mask:** The default subnet mask of the equipment in our LAN is: 255.255.255.0. You can find the subnet mask in the basic information of your router or the locally-attached of your PC.

**Gateway:** Make sure it is in the same subnet with PC's IP address. The gateway is your router's LAN IP.

**DNS Server:** IP address of your ISP network provider. You can find the DNS server in your router or check the locally-attached address of your computer. Your PC contains your PC's IP address, gateway and DNS server. Normally, there are two DNS servers. Here you can also set the DNS server the same with gateway.

**Http Port:** The default Lan port is 80. You can set another port number, such as port 8005, 8100.etc.

**User&Password:** Default administrator user name is admin with no password.



**NOTE:**

If the prompt "Subnet doesn't match, dbclick to change!" appears, please enable DHCP set camera's IP address and gateway once again.

## 3.7 Wireless Settings





Wireless Lan Settings support three modes: Infra(Do wireless lan settings manually) and WPS (Wi-Fi Protected Set-up) and Adhoc.

If your router does not support WPS function, please go to chapter 3.7.1 and make wireless connection settings manually.

If your router supports WPS function, please go to chapter 3.7.2 and make wireless connection settings quickly.

If there is no wireless router, please go to chapter 3.7.3 and Connect the IPCAM directly to a host in a peer\_to\_peer environment.

### 3.7.1 Infrastructure Mode

**Step 01)** Please choose “Device Management” and goes to the option **Wireless LAN Settings** , click “Wireless LAN Settings”. Then enable “Using Wireless LAN”.

Click the Scan button and the camera will detect all WIFI devices around the area. It should also display your router in the list. (Figure 3.19)

Wireless LAN Settings

Wireless Network List	lucy[14e6e462d576] infra dlink[f07d685630dc] infra test1[54e6fc35f13a] infra WEP cisco[00259cb1df9a] infra WEP
Using Wireless LAN	<input checked="" type="checkbox"/>
SSID	
Network Type	Infra
Encryption	None

Scan

Click Scan Button to search WIFI device

Submit Refresh

Figure 3.19

**Step 02)** Click the SSID of your router in the list, the corresponding information (SSID & Encryption) will be filled in the following boxes automatically.

You will only need to fill in the share key. Make sure that SSID, Encryption and share key you filled in for the camera are exactly the same for your router.



The screenshot shows the 'Wireless LAN Settings' window. On the left is a table of settings: 'Wireless Network List', 'Using Wireless LAN', 'SSID', 'Network Type', 'Encryption', and 'Share Key'. The 'Wireless Network List' is a scrollable list with four entries: 'lucy[14e6e462d576] infra', 'dlink[f07d685630dc] infra', 'test1[54e6fc35f13a] infra WEP', and 'cisco[00259cb1df9a] infra WEP'. The 'cisco' entry is selected and highlighted in blue. A red box highlights this entry, with a red arrow pointing to a text box that says 'Click the SSID of router and SSID, Encryption will be filled in the following box automatically'. Below the list is a 'Scan' button. The 'Using Wireless LAN' checkbox is checked. The 'SSID' field contains 'cisco'. The 'Network Type' dropdown is set to 'Infra'. The 'Encryption' dropdown is set to 'WPA2 Personal (AES)'. The 'Share Key' field contains a series of dots. A red box highlights this field, with a red arrow pointing to a text box that says 'Enter the same share key with your router'. At the bottom are 'Submit' and 'Refresh' buttons. The 'Submit' button is circled in red.

Figure 3.20

**Step 03)** Please click on the **Submit** button after all settings have been entered, the camera will reboot. After the camera has completed the reboot process, wait 10 seconds and disconnect the network cable.

The LAN IP address will disappear on the window of IP Camera Tool when the camera gets restarted. Just wait for around 1 minute, the camera will get wireless connection, and the LAN IP of the camera will be showed again on the window of the IP Cam Tool. You have done wireless connection of the camera successfully. If the camera has a dynamic IP, after the wireless settings, the IP will be changed.

#### Note

**If fail to make WiFi connection, please refer to seller or us for help.**

### 3.7.2 WPS (Wi-Fi Protected Set-up)

**Step 01)** Press and hold the RESET button for **four seconds**. .



**Step 02)** 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 button 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. While connecting, the green network light on RJ45 will blink and the wireless settings will take effect. The IP Camera Tool will search the camera's LAN IP. Make sure the PC and the camera share the same subnet.

#### Note

- 1 During the WPS Settings, you must press the Reset button only for four seconds, or else, the camera may be reset back to factory default settings if you press and hold on the reset button above 10 seconds.
- 2 The security mode of router cannot be WEP, or else the WPS settings may be failed.

### 3.7.3 Adhoc Mode

Under this mode, the IPCAM will directly connect to a host in a peer\_to\_peer environment. Make sure the PC has plugged in the wireless network card.

**Step 01)** Enable wireless and choose Adhoc mode.

Fill in a SSID to identify the IPCAM and then set the security mode, you can choose none or others. Click Apply.



**Wireless LAN Settings**

Wireless Network List	<div></div>
	<input type="button" value="Scan"/>
Using Wireless LAN	<input checked="" type="checkbox"/>
SSID	<input type="text" value="test"/>
Network Type	<input type="button" value="Adhoc"/>
Encryption	<input type="button" value="None"/>
	<input type="button" value="Submit"/> <input type="button" value="Refresh"/>

Figure 3.21

**Step 02)** Plug out the network cable and the camera will restart..

Open the wireless network card of PC and search the wireless network around the area. You can find the SSID you filled for the camera (Figure 3.21).

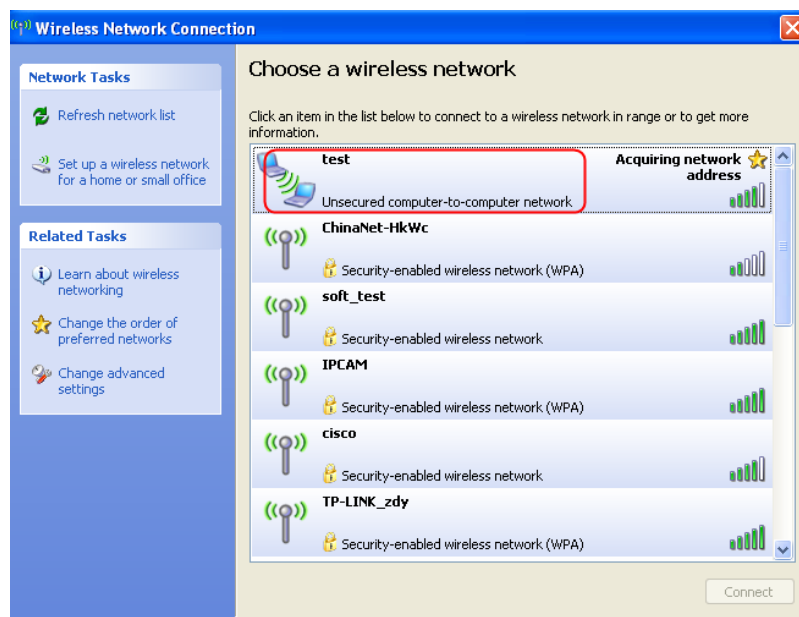


Figure 3.22

**Step 03)** Disabled the wired connection of the PC. Select the SSID you filled at Figure3.21 for your camera and enter the same key with your camera. Make sure PC and Camera share the same subnet.

Open the IP Camera Tool, you can search the camera LAN IP again.



## 3.8 ADSL

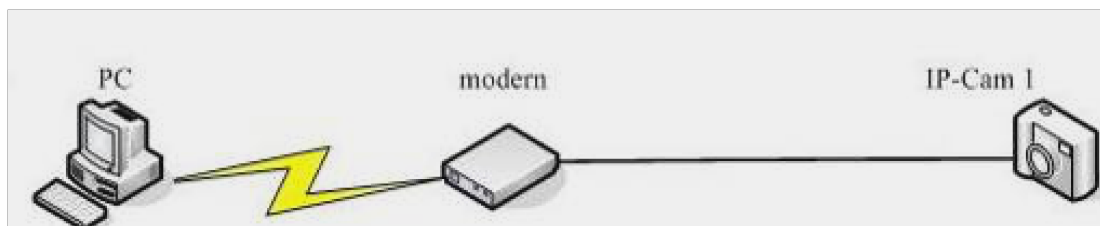


Figure 3.23

If you are connecting the camera directly to a ADSL modem, you can do ADSL settings with your ADSL account & password provided by the ISP, then make the camera connected to the network.

The screenshot shows the 'ADSL Settings' page. On the left is a sidebar menu with options: Device Status, Alias Settings, Date & Time Settings, Users Settings, Multi-Device Settings, Basic Network Settings, Wireless LAN Settings, ADSL Settings (highlighted), and UPnP Settings. The main content area is titled 'ADSL Settings' and contains a form. The form has three fields: 'Using ADSL Dialup' with a checked checkbox, 'ADSL User' with the text 'test', and 'ADSL Password' with a masked password field (dots). Below these fields are 'Submit' and 'Refresh' buttons. A red box highlights the 'ADSL User' and 'ADSL Password' fields. A red arrow points from a text box below to the 'Submit' button. The text box contains the instruction: 'Enter the ADSL user and password'.

Figure 3.24

## 3.9 UPnP Settings

Choose **Using UPnP to MAP Port** and then click **Submit**.

The screenshot shows the 'UPnP Settings' page. On the left is the same sidebar menu as in Figure 3.24, with 'UPnP Settings' highlighted. The main content area is titled 'UPnP Settings' and contains a form. The form has one field: 'Using UPnP to Map Port' with a checked checkbox. Below this field are 'Submit' and 'Refresh' buttons.

Figure 3.25a

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



Device Status	
Device ID	000DC5D0C32C
Device Firmware Version	11.37.2.51
Device Embedded Web UI Version	2.3.20.1
Alias	Anonymous
Alarm Status	None
DDNS Status	Succeed http://test.myipcam.org:88
UPnP Status	UPnP Succeed
MSN Status	No Action

Figure 3.25b

There may be issues with your routers security settings, and sometimes may error. We recommend you configure port forwarding manually on your router (Figure 3.30).

## 3.10 DDNS Service Settings

IPCAM 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.

### IPCAM domain name

Here take **camera.myipcam.org** for example. Go to option of **DDNS Service Settings** on the administrator panel, you can see the domain name.

Please **enable** the DDNS name first.

**DDNS Service Settings**

**Manufacturer's DDNS**

Enable ☒ **Enable DDNS name**

Manufacturer's Domain myipcam.org

Validity Queries

**Third Party DDNS**

DDNS Service None

Submit Refresh

Figure 3.26



**Enable:** Open or close the IPCAM domain name. The default status of IPCAM domain name is open.

**Validity Queries:** Check the validity of embedded domain name.

Now you can use [http:// Domain name + HTTP Port](http://Domain name + HTTP Port) to access the camera via internet.

Take hostname [camera.myipcam.org](http://camera.myipcam.org) and **HTTP Port no. 88** for example, the accessing link of the camera via internet would be [http:// camera.myipcam.org:88](http://camera.myipcam.org:88)

**Note:** If you want to use the manufacturer's domain name, please select None as the Third Party DDNS and enable the Manufacturer's domain name, then click submit.

### Third Party Domain Name Settings

User can also use third part DDNS, such as [www.no-ip.com](http://www.no-ip.com) , [www.dyndns.com](http://www.dyndns.com)  
Here take [www.no-ip.com](http://www.no-ip.com) for example:

**Step 1, Go to the website [www.no-ip.com](http://www.no-ip.com) to create a free hostname**

**Firstly:** Login on [www.no-ip.com](http://www.no-ip.com) and click No-IP Free to register.



Figure 3.27

**Please register an account step by step according to instructions on [www.no-ip.com](http://www.no-ip.com)**





## ambient weather

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.**

Client Login

Home > [Client Login](#)

Email:

Password:

Login

Forget your password? No problem, [Click Here](#)

If you are not currently a registered user of No-IP.com, and would like to be for FREE, [register](#) as a new user.

**User Login**

Username:

Password:

[Create Account](#) [Forgot password?](#) [Login](#)

**Additional Services**

- No-IP Enhanced**  
Upgrade your No-IP account to unlock many exciting features.
- No-IP Backup DNS**  
Maximize uptime and add Anycast to your existing DNS infrastructure.
- No-IP Monitoring**

Figure 3.28

**Your No-IP**

Cuixiang, welcome to your No-IP! Last Login: 2012-04-04 21:40:56 PDT from IP 65.49.14.58

You have successfully logged into No-IP's member section. To start using No-IP's services select an icon below or choose an item from the navigation above.

**Manage Domains** **Add Domain** **Refer Friend** **Add a Host** **Manage Hosts**

**Find a Domain Name** FROM \$15  [Search](#)

**Need Help?**

- Support Center
- Basic Troubleshooting Guide
- Support Ticket
- Contact Us

**Get Connected**

[RSS](#) [Facebook](#) [Twitter](#) [YouTube](#)

**Own a domain name?**

Use your own domain name with our DNS system. [Add](#) your domain name now or [read more](#) for pricing and features

**Your No-IP Alerts**

You do not have any notices at this time

Check this spot for important information regarding your account such as expiring services and trouble tickets.

Figure 3.29





Please create the domain name step by step according to instructions on [www.no-ip.com](http://www.no-ip.com)

## Step 2, DO DDNS Service Settings within the Camera

Please set **DDNS Service Settings** within the camera by **hostname**, a **user name** and **password** you've got from [www.no-ip.com](http://www.no-ip.com)

Take **hostname** [ycxgwp.no-ip.info](http://ycxgwp.no-ip.info), **user name** **test**, **password** **test** for example.

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

**Secondly**, disable the Manufacturer's domain name and select No-Ip as a server in the **Third Party DDNS**.

**Thirdly**, fill **test** as DDNS user, fill password **test** as DDNS password, fill [ycxgwp.no-ip.info](http://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

The Third Party DDNS and the Manufacturer's Domain Name cannot work at the same time. If you have set Third Party DDNS and meanwhile you enabled the Domain Name, the Third Party DDNS will take effect.

## ② Do port forwarding within the router

**Example: The camera's LAN IP address is <http://192.168.1.35:88> ,**

**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.



External Port	Internal Port	Protocol	To IP Address	Enabled
---	---	---	192.168.1.1	<input type="checkbox"/>
---	---	---	192.168.1.1	<input type="checkbox"/>
---	---	---	192.168.1.1	<input type="checkbox"/>
---	---	---	192.168.1.1	<input type="checkbox"/>
88	88	Both	192.168.1.35	<input checked="" type="checkbox"/>
---	---	Both	192.168.1.1	<input type="checkbox"/>
---	---	Both	192.168.1.1	<input type="checkbox"/>
---	---	Both	192.168.1.1	<input type="checkbox"/>
---	---	Both	192.168.1.1	<input type="checkbox"/>

Figure 3.30

### 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. 88 for example, the accessing link of the camera via internet would be [http:// ycxgwp.no-ip.info:88](http://ycxgwp.no-ip.info:88)

## 3.11 Mail Service Settings

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

Figure 3.31



**1----- Sender** Mailbox for sender must support SMTP

**2----- Receiver** Mailbox for receiver need not support SMTP, you can set 4 receivers

**3----- SMTP Server/ Port** 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.

**4---- SMTP user** ID account of the sender email address

**5----Submit** Click Submit to take effect

**6----Test** Click **Test** to see if SMTP has been successfully configured.

**NOTE:** Click **Submit** first before choosing **Test**.

Click **Test** to see if SMTP has been successfully configured.

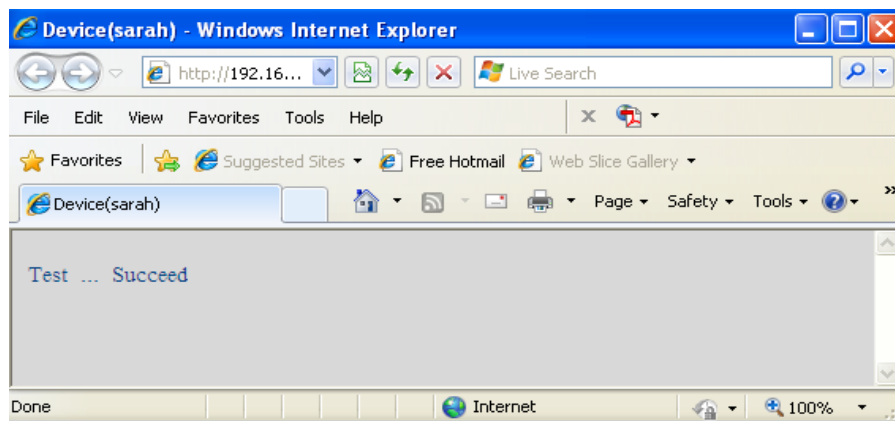


Figure 3.32

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



**Report Internet IP by Mail**—If selected, you will receive emails which contains internet IP information such as When the camera is powered or the Internet IP has changed. (For example: IPCAM's url is http://119.123.207.96:8068). Make sure the port is mapped to the router correctly.

## 3.12 MSN Setting

If you want the camera send its current internet IP address to you or your friends, please set MSN settings.

Acquire an MSN ID for the IPCAM first, then follow the instructions as per Figure 3.33.

Device Status  
Alias Settings  
Date & Time Settings  
Users Settings  
Multi-Device Settings  
Basic Network Settings  
Wireless LAN Settings  
ADSL Settings  
UPnP Settings  
DDNS Service Settings  
Mail Service Settings  
MSN Settings  
FTP Service Settings  
Alarm Service Settings  
Upgrade Device Firmware  
Backup & Restore Settings  
Restore Factory Settings  
Reboot Device  
Log  
Back

**MSN Settings**

User: test@hotmail.com  
Password: .....  
MSN Friends List:  
test2@hotmail.com  
test3@hotmail.com  
Submit Refresh

Fill in the user and password of the MSN ID you applied for your camera

MSN ID in this list can chat with the camera

Figure 3.33

Click Submit and go to the “Device Status” screen and verify the MSN settings are succeed.



Device Status	
Device ID	000DC5D0C32C
Device Firmware Version	11.37.2.51
Device Embedded Web UI Version	2.3.20.1
Alias	Anonymous
Alarm Status	None
DDNS Status	Succeed http://test.myipcam.org:88
UPnP Status	UPnP Succeed
MSN Status	Succeed

Figure 3.34

When the MSN ID in the Friends list login the MAN, he can chat with camera. For example:

test3(this account contained in the Friends list) log in MSN, and double click the camera's account (test3), then enter "url?", the camera will send it's current IP address to you.

**Note:** Create a new MSN account for the camera, do not use the same MSN account as you would like to chat with your friends. When the camera login uses the MSN account, this account cannot be used for anything else when the camera works.

### 3.13 FTP Service Settings

If you want to upload images to your FTP server, you can set **FTP Service Settings**.

FTP Service Settings	
FTP Server	192.168.0.50
FTP Port	21
FTP User	sarah
FTP Password	••••
FTP Upload Folder	/
FTP Mode	PORT
	<input type="button" value="Test"/> Please set first, and then test.
Upload Image Now	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	30
Enable Set Filename	<input checked="" type="checkbox"/>
Filename	sarah
<input type="button" value="Submit"/> <input type="button" value="Refresh"/>	

Figure 3.35



### FTP Service Settings

FTP Server	<input type="text" value="ftp.mgenseal.com"/>
FTP Port	<input type="text" value="21"/>
FTP User	<input type="text" value="deotest@mgenseal.com"/>
FTP Password	<input type="password" value="••••"/>
FTP Upload Folder	<input type="text" value="/"/>
FTP Mode	<input type="text" value="PORT"/> <input type="button" value="v"/>
	<input type="button" value="Test"/> Please set first, and then test.
Upload Image Now	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	<input type="text" value="30"/>
Enable Set Filename	<input checked="" type="checkbox"/>
Filename	<input type="text" value="sarah"/>

Figure 3.36

**FTP server:** If your FTP server is located on the LAN, you can set as Figure 3.36.

If you have an FTP server which you can access on the internet, you can set as Figure 3.37.

**FTP Port:** Usually the port is 21.

**FTP Upload Folder:** Make sure that the folder you plan to store images exists as the camera can't create the folder itself. Also, the folder must be read/writable.

**FTP Mode:** The camera supports standard (POST) mode and passive (PASV) mode

**Upload Image Now:** This option will upload images continuously when you enable the checkbox

**Enable Set Filename:** When you enable this option the uploaded image will be named according to the filename you enter. The next image will overwrite the filename of the previous image. Hence there will only be one image, the last uploaded.

**Filename:** See the above option.

**Note:** You cannot change the name of the alarm image.

**Upload Interval** refers to the time between the current image and the next image being uploaded.



Click **Submit** to save these settings. Click **Test**, the following screen displays if successful.

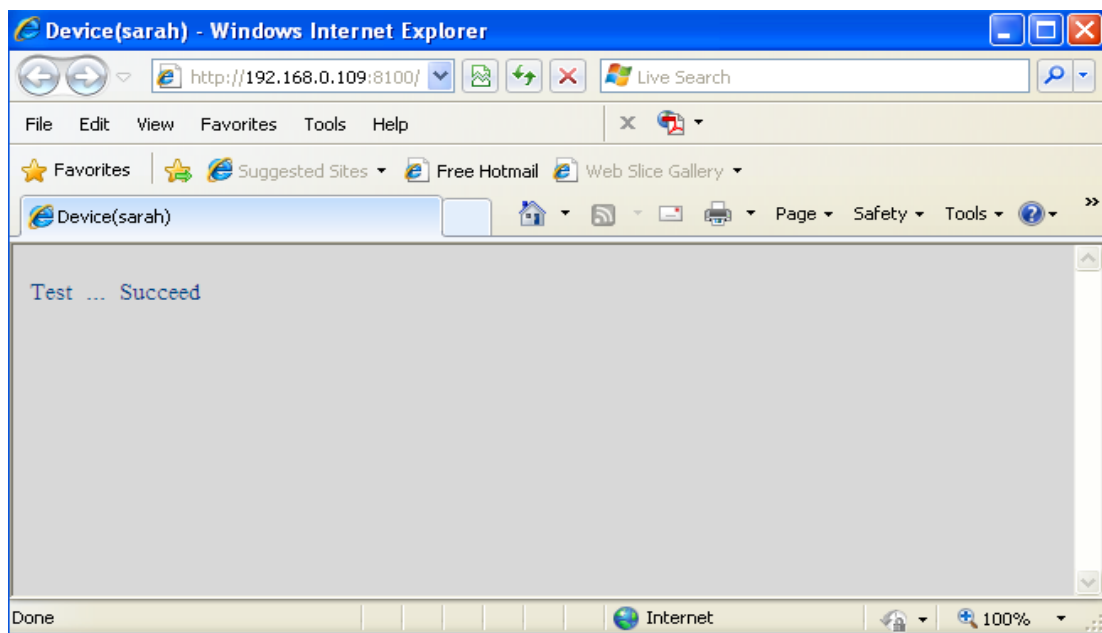


Figure 3.37

The following errors may occur:

- 1) Can not connect to the server. Check if the FTP Server is correct.
- 2) Network Error. Please try later.
- 3) Server Error.
- 4) Incorrect user or password. Check the username and password.
- 5) Cannot access the folder. Verify the folder exists and your account is authorized
- 6) Error in PASV mode. Verify the server supports PASV mode.
- 7) Error in PORT mode. PASV mode should be selected if the device is behind a NAT.
- 8) Cannot upload file. Verify your account is authorized

If an error occurs check the parameters you entered are correct. The filename format of the image is similar to 00606E8C1930(sarah)\_0\_20100728114350\_25.jpg

Check if your FTP server supports this file name format.

### 3.14 Alarm Service Settings

IP Camera supports **Motion Detection Alarmed**, when the motion has been detected, it will send email alerts or upload images or record.





**Alarm Service Settings**

Motion Detection Alarmed	<input checked="" type="checkbox"/>	1
Motion Detection Sensitivity	10	2
Motion Compensation	<input checked="" type="checkbox"/>	3
Send Mail on Alarm	<input type="checkbox"/>	
Upload Image on Alarm	<input type="checkbox"/>	
Scheduler	<input type="checkbox"/>	
Beep on Alarm	<input checked="" type="checkbox"/>	
Record on Alarm	<input checked="" type="checkbox"/>	
Alarm Record Filepop	<input checked="" type="checkbox"/>	

Figure 3.38

- 1---- If you want to set Motion Detection Alarmed ,select the checkbox
- 2---- The larger the number, the higher the motion sensitivity will be
- 3---- Select this option to reduce false alarms when light changes

If motion is detected after you enable **Motion Detection Armed**, the Alarm Status will turn to Motion Detect Alarm.

<b>Device Status</b>	<b>Device Status</b>
Alias Settings	Device ID 000DC5D0C32C
Date & Time Settings	Device Firmware Version 11.37.2.51
Users Settings	Device Embedded Web UI Version 2.3.20.1
Multi-Device Settings	Alias Anonymous
Basic Network Settings	Alarm Status Motion Detect Alarm
Wireless LAN Settings	DDNS Status Succeed http://test.myipcam.org:88
ADSL Settings	UPnP Status UPnP Succeed
UPnP Settings	MSN Status Succeed
DDNS Service Settings	
Mail Service Settings	
MSN Settings	
FTP Service Settings	

Here you can see the alarm status

Figure 3.39

There are four alarm indicators:1) **Camera will send emails when motion is activated.**

If you want to receive images when motion is detected, you must set **Mail Service Settings** first.  
(Figure 3.31) Then set motion alarm as follows:



**Alarm Service Settings**

Motion Detection Alarmed	<input checked="" type="checkbox"/>
Motion Detection Sensitivity	10 <small>Sensitivity: 1-10,10=the highest sensitivity</small>
Motion Compensation	<input checked="" type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input type="checkbox"/>
Scheduler	<input type="checkbox"/>
Beep on Alarm	<input type="checkbox"/>
Record on Alarm	<input type="checkbox"/>

Figure 3.40

## 2) Upload images via FTP server when motion trigger.

To upload images to an FTP server when motion is detected, you must set **FTP Service Settings**(Figure 3.36/3.37) first and then set motion alarm as pictured below

**Alarm Service Settings**

Motion Detection Alarmed	<input checked="" type="checkbox"/>
Motion Detection Sensitivity	10 <small>Sensitivity: 1-10,10=the highest sensitivity</small>
Motion Compensation	<input checked="" type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	30
Scheduler	<input type="checkbox"/>
Beep on Alarm	<input type="checkbox"/>
Record on Alarm	<input type="checkbox"/>

**Select this option**

**Set an interval for images to upload**

Figure 3.41

## 3) You can hear the beep sound when the alarm has been detected.



**Alarm Service Settings**

Motion Detection Alarmed	<input checked="" type="checkbox"/>
Motion Detection Sensitivity	10 <small>Sensitivity: 1-10, 10=the highest sensitivity</small>
Motion Compensation	<input checked="" type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	30
Scheduler	<input type="checkbox"/>
Beep on Alarm	<input checked="" type="checkbox"/>
Record on Alarm	<input type="checkbox"/>

Figure 3.42

- 4) **The camera will record automatically for one minute after motion is detected.** You can find the recording file in the folder which you set previously. (Figure 3.6)

**Alarm Service Settings**

Motion Detection Alarmed	<input checked="" type="checkbox"/>
Motion Detection Sensitivity	10 <small>Sensitivity: 1-10, 10=the highest sensitivity</small>
Motion Compensation	<input checked="" type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	30
Scheduler	<input type="checkbox"/>
Beep on Alarm	<input checked="" type="checkbox"/>
Record on Alarm	<input checked="" type="checkbox"/>
Alarm Record Filepop	<input checked="" type="checkbox"/>

**Select the checkbox**

**When you enable motion alarm, the camera will record automatically and store the recording file to the folder you configured. This icon is used to control whether the folder opens or not.**

Figure 3.43

### Alarm Scheduler:

Here are two ways to set the alarm.



1) Alarm at any time when motion is detected.

Don't select **Scheduler**. Click Submit and the camera will alarm at any time when motion is detected.

### Alarm Service Settings

Motion Detection Alarmed	<input checked="" type="checkbox"/>
Motion Detection Sensitivity	10 <small>Sensitivity: 1-10, 10=the highest sensitivity</small>
Motion Compensation	<input checked="" type="checkbox"/>
Send Mail on Alarm	<input checked="" type="checkbox"/>
Upload Image on Alarm	<input checked="" type="checkbox"/>
Upload Interval (Seconds)	30
Scheduler	<input type="checkbox"/>
Beep on Alarm	<input checked="" type="checkbox"/>
Record on Alarm	<input checked="" type="checkbox"/>
Alarm Record Filepop	<input checked="" type="checkbox"/>

Figure 3.44

Another Way: select Scheduler, and click "set All", you will see all time boxes turn blue as in the following picture. Click Submit and the camera will alarm at any time when motion is detected.

Device Status	Motion Compensation	<input checked="" type="checkbox"/>
Alias Settings	Send Mail on Alarm	<input checked="" type="checkbox"/>
Date & Time Settings	Upload Image on Alarm	<input checked="" type="checkbox"/>
Users Settings	Upload Interval (Seconds)	30
Multi-Device Settings	Scheduler	<input checked="" type="checkbox"/>
Basic Network Settings	Beep on Alarm	<input checked="" type="checkbox"/>
Wireless LAN Settings	Record on Alarm	<input checked="" type="checkbox"/>
ADSL Settings	Alarm Record Filepop	<input checked="" type="checkbox"/>
UPnP Settings		
DDNS Service Settings		
Mail Service Settings		
MSN Settings		
FTP Service Settings		
Alarm Service Settings		
Upgrade Device Firmware		
Backup & Restore Settings		
Restore Factory Settings		
Reboot Device		
Log		
Back		

Set	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Clear	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Figure 3.45

2) Specify an alarm schedule.



If you want the camera to alarm during set times select **Scheduler** and set time range.

If you want to select one serial area, you can click any number between 00 and 23 on the first row, the corresponding column will be selected and it will turn blue. For example, click the number "06" on the first row, you can see the column turn blue. That means the camera will alarm when motion is detected between 6 and 7 o'clock every day. Click the number "06" on the second row, you can cancel the corresponding column you set. And it will turn grey.

Device Status	Motion Compensation	<input checked="" type="checkbox"/>
Alias Settings	Send Mail on Alarm	<input checked="" type="checkbox"/>
Date & Time Settings	Upload Image on Alarm	<input checked="" type="checkbox"/>
Users Settings	Upload Interval (Seconds)	30
Multi-Device Settings	Scheduler	<input checked="" type="checkbox"/>
Basic Network Settings	Beep on Alarm	<input checked="" type="checkbox"/>
Wireless LAN Settings	Record on Alarm	<input checked="" type="checkbox"/>
ADSL Settings	Alarm Record Filepop	<input checked="" type="checkbox"/>
UPnP Settings		
DDNS Service Settings		
Mail Service Settings		
MSN Settings		
FTP Service Settings		
Alarm Service Settings		
Upgrade Device Firmware		
Backup & Restore Settings		
Restore Factory Settings		
Reboot Device		
Log		
Back		

Figure 3.46

If you want to select discrete area, you click the left button on the box of time range. It will turn blue. If you want to delete it, just click the left button and it will turn grey.

Device Status	Motion Compensation	<input checked="" type="checkbox"/>
Alias Settings	Send Mail on Alarm	<input checked="" type="checkbox"/>
Date & Time Settings	Upload Image on Alarm	<input checked="" type="checkbox"/>
Users Settings	Upload Interval (Seconds)	30
Multi-Device Settings	Scheduler	<input checked="" type="checkbox"/>
Basic Network Settings	Beep on Alarm	<input checked="" type="checkbox"/>
Wireless LAN Settings	Record on Alarm	<input checked="" type="checkbox"/>
ADSL Settings	Alarm Record Filepop	<input checked="" type="checkbox"/>
UPnP Settings		
DDNS Service Settings		
Mail Service Settings		
MSN Settings		
FTP Service Settings		
Alarm Service Settings		
Upgrade Device Firmware		
Backup & Restore Settings		
Restore Factory Settings		
Reboot Device		
Log		
Back		

Figure 3.47



## 3.15 Upgrade Device Firmware

When you upgrade the camera, please upgrade system firmware first and then upgrade the Web UI.

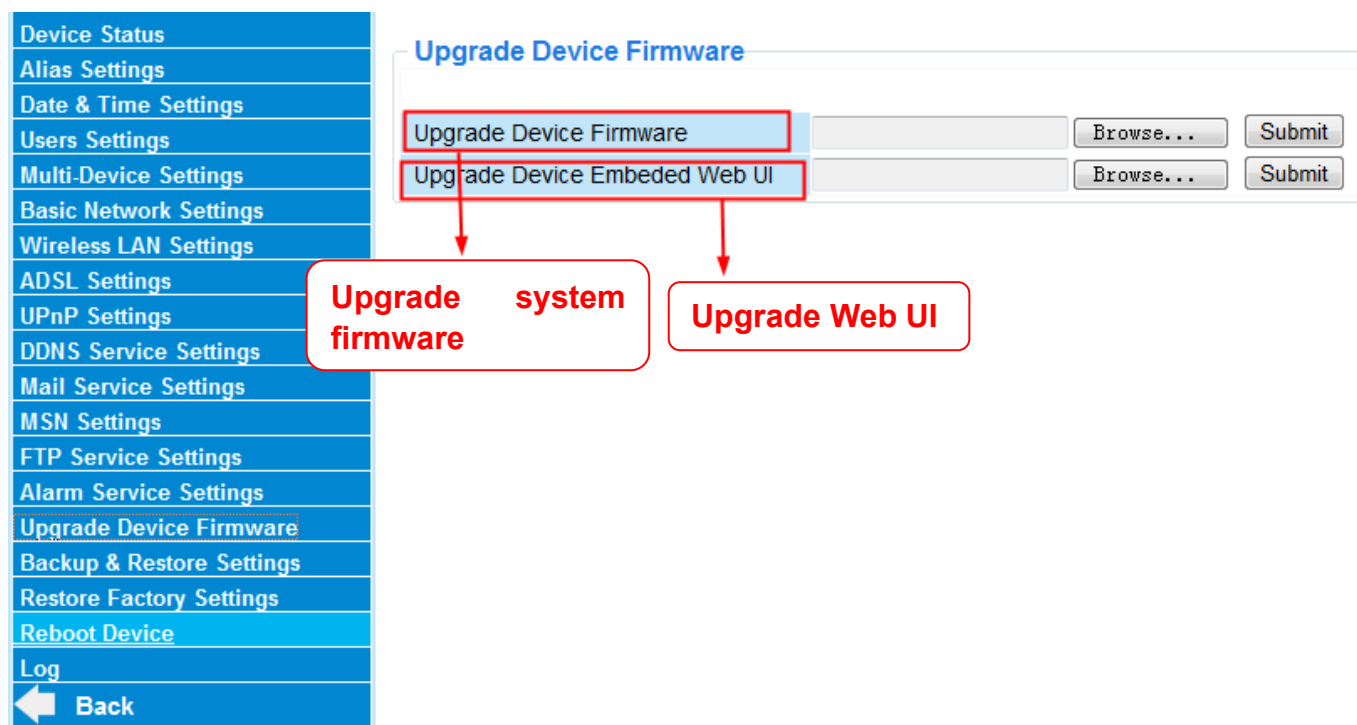


Figure 3.48

Click **Browse**, choose the correct bin file and then click **Submit** to upgrade.  
Don't shut down the power during upgrade until the IP camera tool finds the camera again.

### 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.

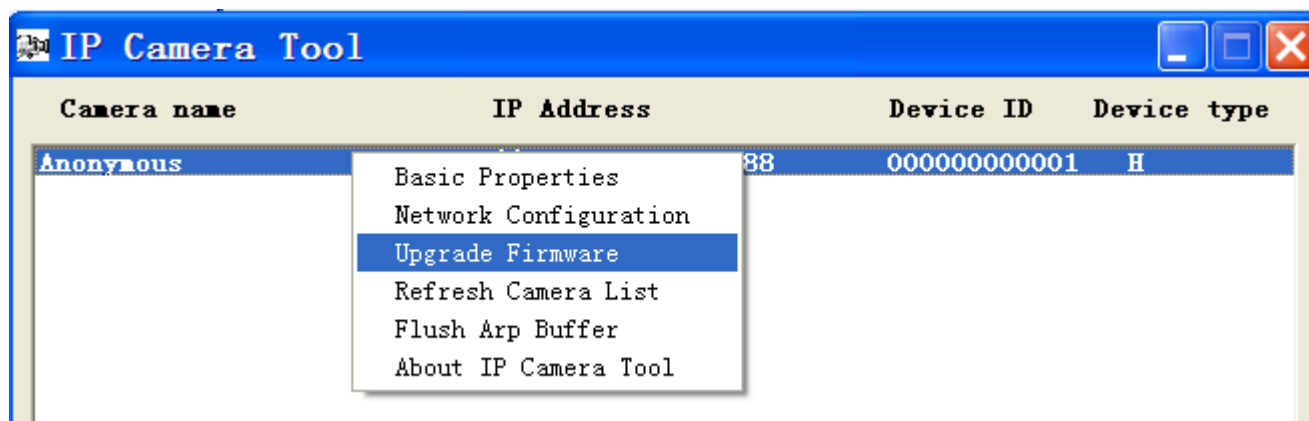


Figure 3.49

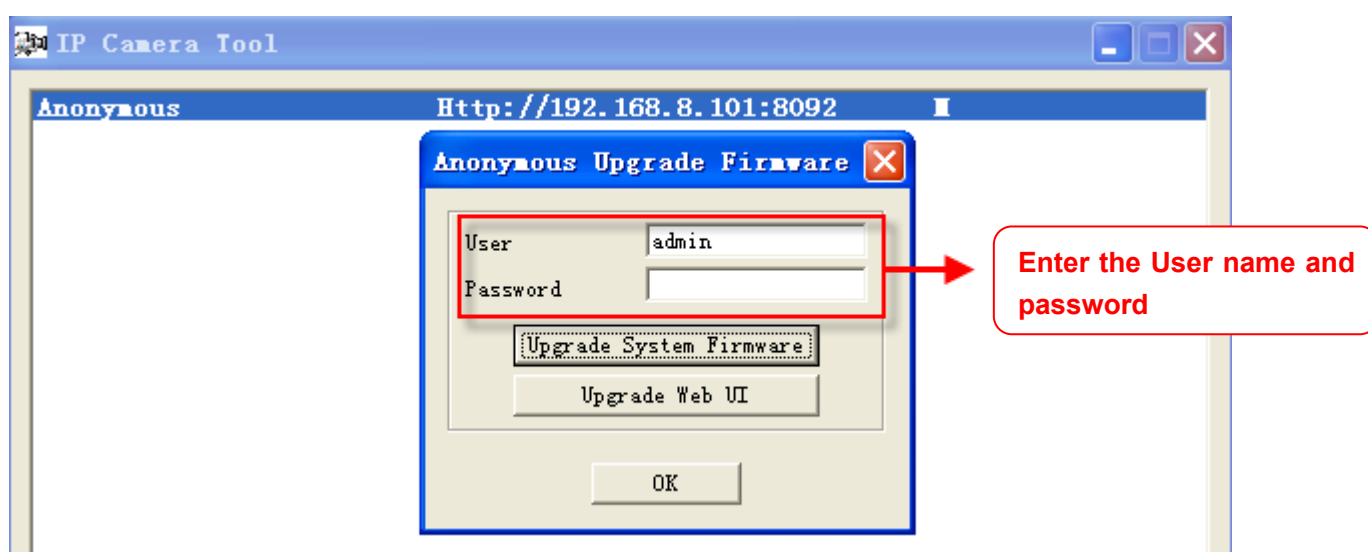


Figure 3.50

**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) 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.

2) 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.





- 3) Normally, only Device WEB UI need to be upgrade, please do not try to upgrade the Device Firmware.
- 4) Never shut down the power of the camera during upgrade until the IP camera restart and get connected.

## 3.16 Backup & Restore Settings

Click **Submit** to save all the parameters you have set. These parameters will be stored in a bin file for future use. The bin file can be reloaded to restore the parameters that were set.

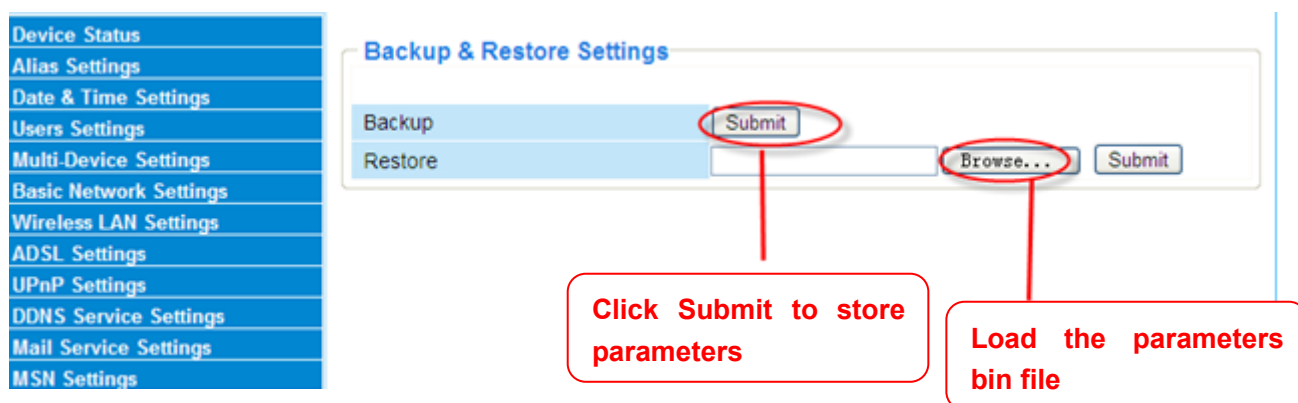


Figure 3.51

## 3.17 Restore Factory Settings

All parameters will return to factory settings if selected.

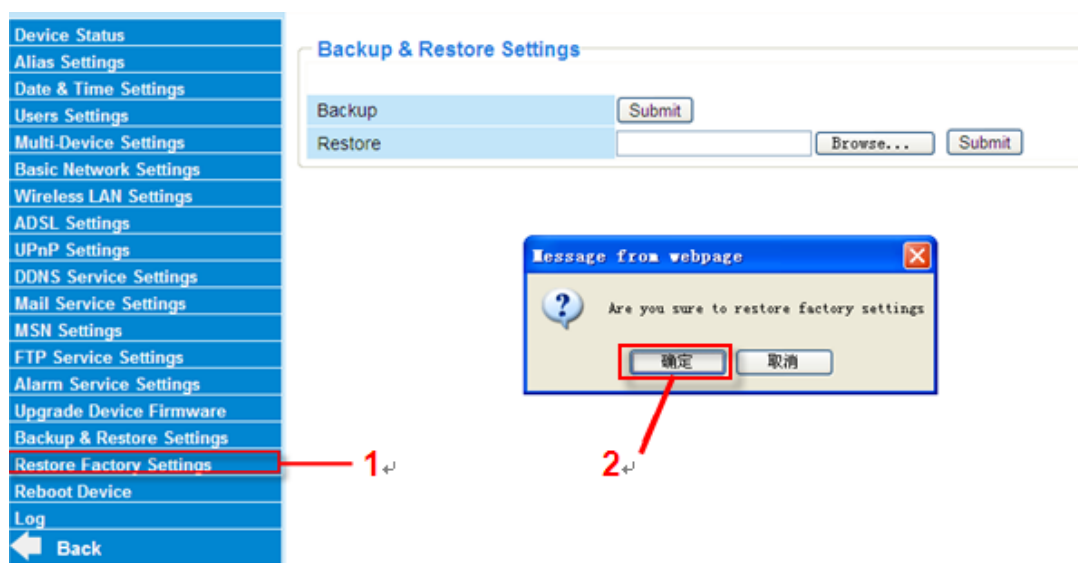


Figure 3.52



### 3.18 Reboot Device

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

### 3.19 Log

The log record shows who accessed the camera and when. (Figure 3.54).

Device Status

Alias Settings

Date & Time Settings

Users Settings

Multi-Device Settings

Basic Network Settings

Wireless LAN Settings

ADSL Settings

UPnP Settings

DDNS Service Settings

Mail Service Settings

MSN Settings

FTP Service Settings

Alarm Service Settings

Upgrade Device Firmware

Backup & Restore Settings

Restore Factory Settings

Reboot Device

Log

Back

Log

Thu, 2012-09-06 01:27:40	admin	192.168.8.101	access
Thu, 2012-09-06 01:27:53	admin	192.168.8.101	access
Thu, 2012-09-06 01:27:59	motion detect		
Thu, 2012-09-06 01:28:07	admin	192.168.8.101	access
Thu, 2012-09-06 01:28:19	admin	192.168.8.101	access
Thu, 2012-09-06 01:34:43	admin	192.168.8.101	access
Thu, 2012-09-06 01:37:16	admin	192.168.8.101	access
Thu, 2012-09-06 01:37:43	admin	192.168.8.101	access
Thu, 2012-09-06 01:42:49	admin	192.168.8.101	access
Thu, 2012-09-06 01:50:02	admin	192.168.8.101	access
Thu, 2012-09-06 02:05:25	motion detect		

Refresh

Figure 3.53

### 3.20 Back

This will take you back to the surveillance window.

## 4 APPENDIX

### 4.1 Frequently Asked Questions

**NOTE:** Always verify network connections are working by checking the status of the indicators on the network server, hub and network card.



### 4.1.1 I have forgotten the administrator username and/or password

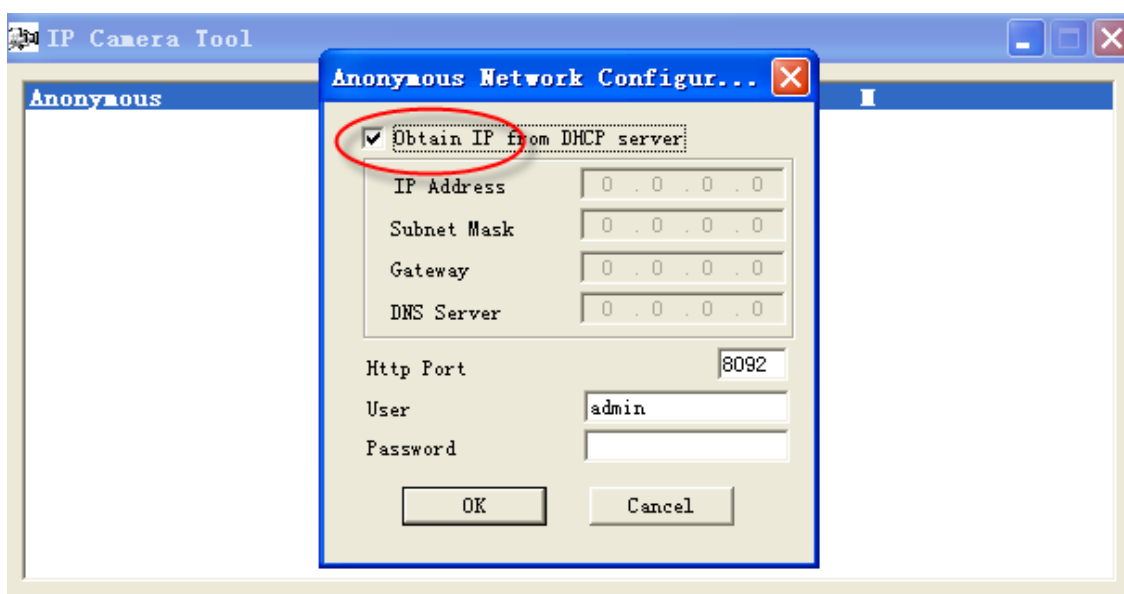
To reset the administrator username and password, press and hold down the RESET BUTTON for 10 seconds. Upon releasing the reset button, the username and password will return to the factory default administrator username and password. Please power on the camera before reset

Default administrator username: **admin**

Default administrator password: No password

### 4.1.2 Subnet doesn't match, dbclick to change

If the IP Camera Tool shows the error "Subnet doesn't match, dbclick to change!", select **Obtain IP from DHCP server**.



If this error still exists after obtaining an IP from the DHCP server, check the local area connection of your computer and verify the subnet and gateway of the camera which should be the same subnet of your computer.

### 4.1.3 No Pictures Problems

Video streaming is managed by the ActiveX controller. If the ActiveX controller isn't installed correctly you will see no video image. There are two ways to resolve this problem:

- 1) Reinstall "IP Camera Tool" and ActiveX controller (recommended) .
- 2) Download ActiveX controller and set the security setting of IE: IE browser → Tool → Internet Proper → Security → Custom Level → ActiveX control and Plug-ins. The first 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: Initialise and script ActiveX controls not marked as safe**  
**Enable: Run ActiveX controls and plug-ins**

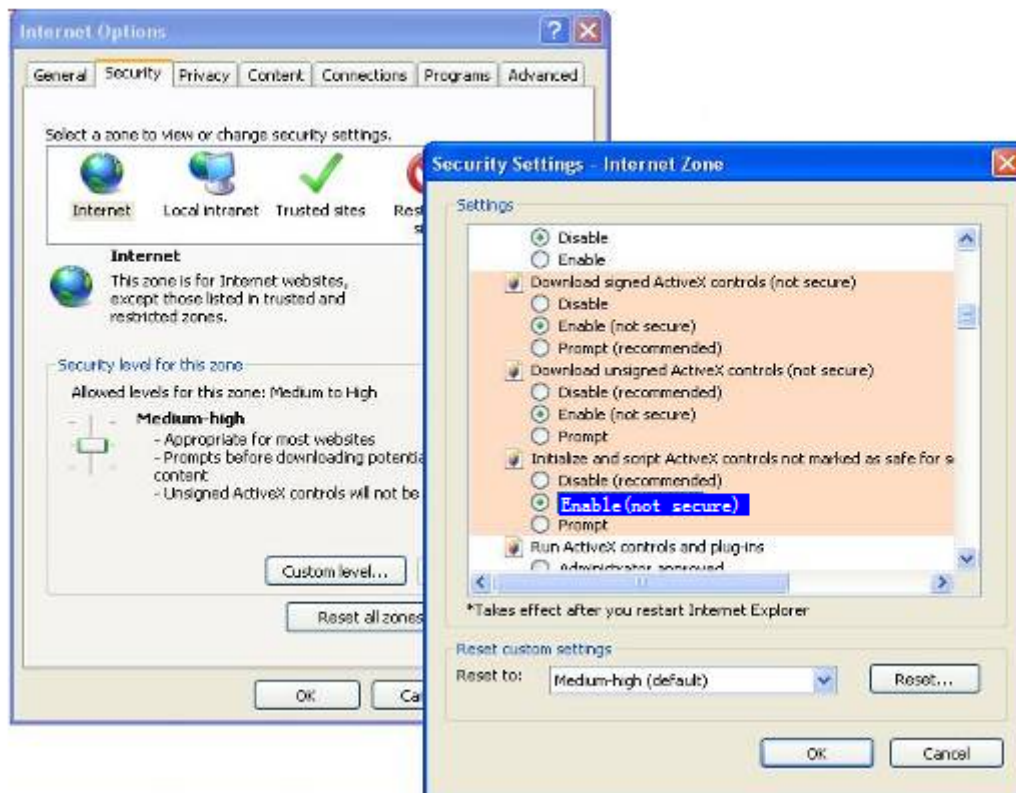


Figure 5.1

If you allow the ActiveX to run, but still can not see living video and a red cross in the centre of the video. Please select another port number. Don't use port 80, use port 85, 8005.etc.

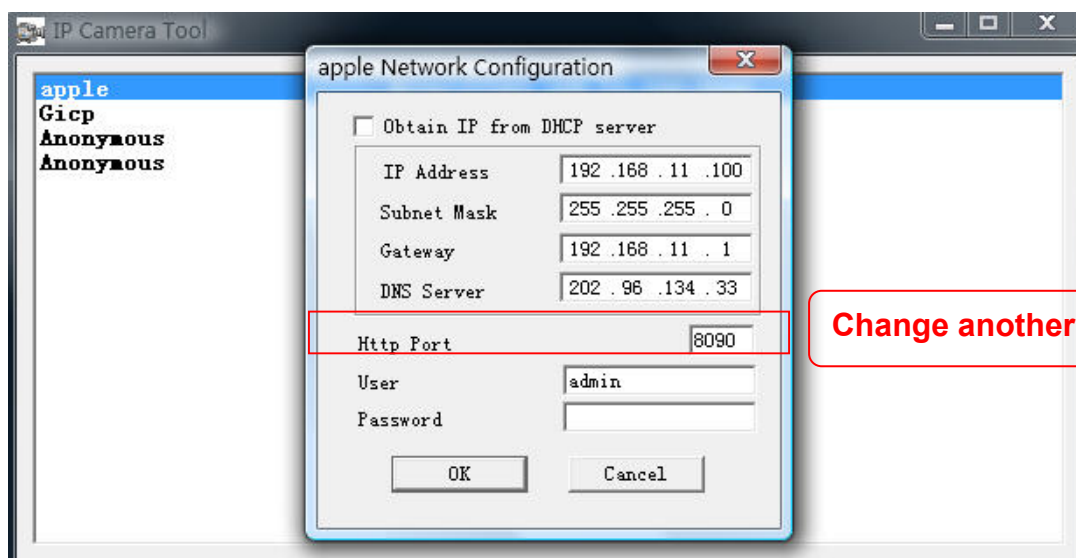


Figure 5.2

**NOTE:** Make sure that your firewall or anti-virus software does not block the camera or ActiveX. If you cannot see live video, try shutting down the firewall or anti-virus software and try again.



#### **4.1.4 Can't access IP camera on internet**

Possible reasons why camera is not accessible on the internet:

- 1) ActiveX controller is not installed correctly
  - 2) The port which the camera uses is blocked by a Firewall or Anti-virus software. Try changing to another port number. (Figure 5.2)
  - 3) Port forwarding is not successful (Figure 3.30)
- Double check these settings and make sure they are correct.

#### **4.1.5 IP Camera Tool could not find camera's IP**

Verify that the network cable is securely fastened to the camera.

Make sure that DHCP is enabled on your router, do not enable MAC address filter.

Make sure that the firewall or anti-virus software does not block the camera. You can add the camera as a trusted site on your firewall or anti-virus software.

#### **4.1.6 UPnP always failed**

UPnP only contains port forwarding in our recent software. Sometimes, it may be fail to do port forwarding automatically because of the firewall or anti-virus software. It may also be due to the router's security settings. We recommend manually configuring port forwarding the camera can be viewed on the internet.

#### **4.1.7 Couldn't find the shortcut on the desktop after install IP camera tool**

If you use Windows7 or Vista and the shortcut is missing after installing the IP camera tool, check the path of IP Camera program.

For example, if it was pointing to C:\Windows\System32\IPCamera.exe.

Please fix this by pointing the shortcut to the correct path

C:\Windows\SysWOW64\IPCamera.exe. After this you should be able to use the shortcut without any problems.

#### **4.1.8 I can't change the record path**

When you use Windows7 or Vista, you may be not able to change the record path because of the security settings of computer. 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



#### 4.1.9 I can't find multi-device settings and record icon

Record and multi-device functionality are controlled by the ActiveX controller. These functions are not available in Firefox, Google Chrome and Safari.

#### 4.1.10 Camera cannot connect using wireless

If your camera cannot connect wirelessly after you set the wireless settings, unplug / plug the power cable. (for more details: **Wireless LAN settings** in **Chapter 3.7**)

Usually, camera can't connect wireless mainly because of incorrect settings.

Verify that the SSID is correct; use the same encryption for router and camera. Share key should not contain special characters, only word and number will be better. Disable MAC address filtering.

#### 4.1.11 Can't see other cameras listed in multi-device when using remote access

If you want to view all the 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)

#### 4.1.12 Only see black screen or undefined characters when using remote login

If you could access the login page remotely, this indicates that your DDNS settings are correct. If you are unable to see live video but only some undefined characters, this may be due to the internet speed issues or the camera using Wi-Fi.

### 4.2 Default Parameters

#### Default network Parameters

IP address: obtain dynamically

Subnet mask: 255.255.255.0

Gateway: obtain dynamically

DHCP: Disabled

DDNS: Embedded IPCAM domain name

#### Username and password

Default administrator username: **admin**



## 4.3 Specifications

ITEMS		AMBIENTCAM
<b>Image Sensor</b>	Image Sensor	High Definition Color CMOS Sensor
	Display Resolution	640 x 480 Pixels(300k Pixels)
	Lens	f: 2.8mm
	Mini. Illumination	0.5Lux
<b>Lens</b>	Lens Type	Glass Lens
	IR_CUT	Filter will switch automatically
<b>Video</b>	Image Compression	MJPEG
	Image Frame Rate	15fps(VGA),30fps(QVGA)
	Resolution	640 x 480(VGA), 320 x 240(QVGA)
	Light Frequency	50Hz, 60Hz or Outdoor
	Video Parameters	Brightness, Contrast
<b>Communication</b>	Ethernet	One 10/100Mbps RJ-45
	Supported Protocol	HTTP,FTP,TCP/IP,UDP,SMTP,DHCP,PPPoE,DDNS,UPnP,GPRS
	Wireless Standard	IEEE 802.11b/g/n
	Data Rate	802.11b: 11Mbps(Max.) 802.11g: 54Mbps(Max.) 802.11n: 150Mbps(Max.)
	Wireless Security	WEP & WPA & WPA2 Encryption
	Infrared Light(04)	24 IR LEDs, Night visibility up to 20 meters
	Infrared Light(05)	60 IR LEDs, Night visibility up to 30 meters
	Dimension(04)	140(L) x75(W) x80mm(H)
	Dimension(05)	245(L)X196(W)X112(H)mm.
	Gross Weight(04)	1150 g(carton box package)
	Gross Weight(05)	1320 g(carton box package)
	Net Weight (04)	1000g (accessories included)
	Net Weight (05)	1180g (accessories included)
<b>Power</b>	Power Supply	DC 5V/2.0A (EU,US,AU adapter or other types optional)
	Power Consumption	5Watts (Max.)
<b>Environment</b>	Operate Temper.	0° ~ 55°C (32°F ~ 131°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper.	-10°C ~ 60° (14°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
<b>PC Requirements</b>	CPU	2.0GHZ or above
	Memory Size	256MB or above
	Display Card	64M or above
	Supported OS	Microsoft Windows 2000/XP/Vista/Windows7-32bit/Windows7-





## ambient weather

		64bit/ Windows8- 32bit/Windows8-64 bit / mac
	Browser	IE6.0, IE7.0, IE8.0, IE9.0, Firefox2.0, Firefox3.0, Google Chrome, Safari or other standard browsers
<b>Certification</b>	CE,FCC	

