

FOSCAM

User Manual

HD Wireless Baby Monitor



FosBaby

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1 Overview

HD Wireless Baby Monitor FosBaby is an integrated wireless camera with a color 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.

It supports P2P function. 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 realize remote access.

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 Explorer Therefore the management and maintenance of your device is simplified by using the network to access the website of your camera.

This model is specially designed for your baby. It is applicable to the baby's room. Besides, Foscam provides a mobile phone APP for real-time monitoring, enabling you to see your baby anytime and anywhere. Please search and install **Foscam Viewer** on App Store and Google Play for iOS and Android devices, then you can view your camera anywhere, anytime on your smart mobile devices.

1.1 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
- Support IE/Firefox/Google/Safari browser
- Support 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: 5m)
- Support image snapshot
- Support dual-stream
- Support SD Card storage up to 32GB
- Support IR-Cut auto switch
- Embedded free FOSCAM DDNS(dynamic domain name service) Service
- Supporting the Third Party Domain Name Service
- Support two-way audio
- Support ONVIF protocols
- 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 Providing free Central Management Software to manage and monitor multiple cameras
- Support record schedule
- Support playing of nursery rhyme
- Support temperature detection
- Support cloud storage, cloud messaging

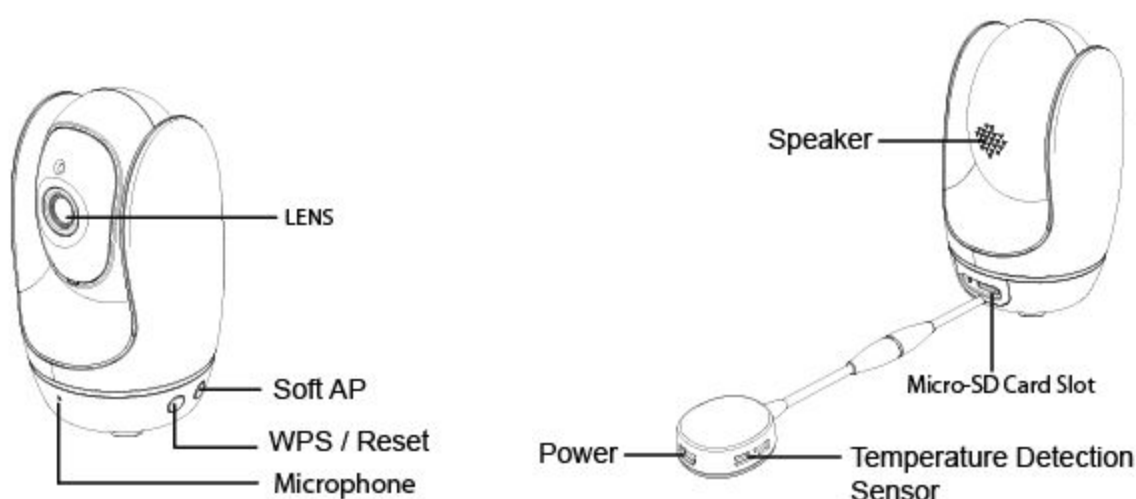
1.2 Read Before Use

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

● IP Camera × 1	● CD×1
● Quick Installation Guide × 1	● Warranty Card × 1
● Screw pack × 1	● DC Power Adapter × 1
● Mounting bracket × 1	● Warning Sticker × 1
● Temperature Detection Sensor × 1	● Watch strap × 1

1.4 Physical Description



1.5 Micro-SD Card

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.

Note: The default storage path of alarm files is FTP.

2 Access the FosBaby

First of all, you need to follow **Quick Installation Guide** to connect the camera to your router.

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

2.1 Access the FosBaby in WLAN

This camera supports HTTP and HTTPS protocols, you can access the camera by two ways.

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

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



Camera name	IP Address	Device ID	Device type
IPCAM	Http://192.168.11.220:88	00626E4D8A55	H

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

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

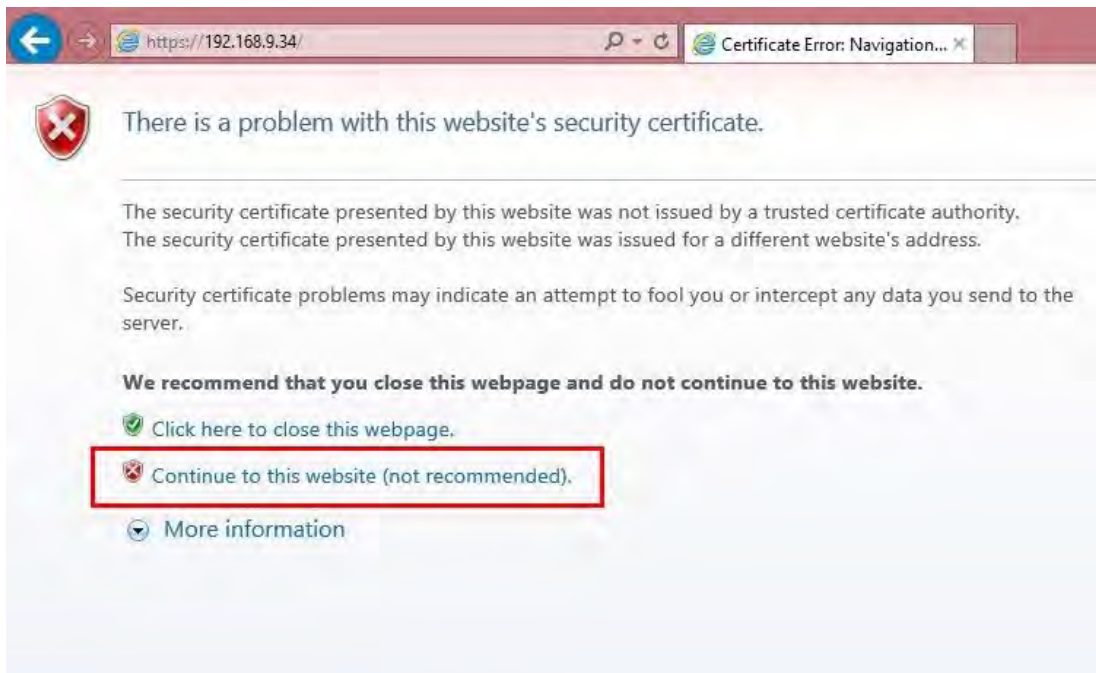
The default Https port no. is 443. You can use the url to access the camera: https:// IP + HTTPS port. Go to **Settings - Network - Port** panel, you can see and change the http and https port NO.



HTTP Port	88
HTTPS Port	443
ONVIF Port	65533

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. Since we can not apply license for every WLAN or DDNS URL, the webpage may pop up a warning like the following picture, you just need to click "Continue to this

website (not recommended).”

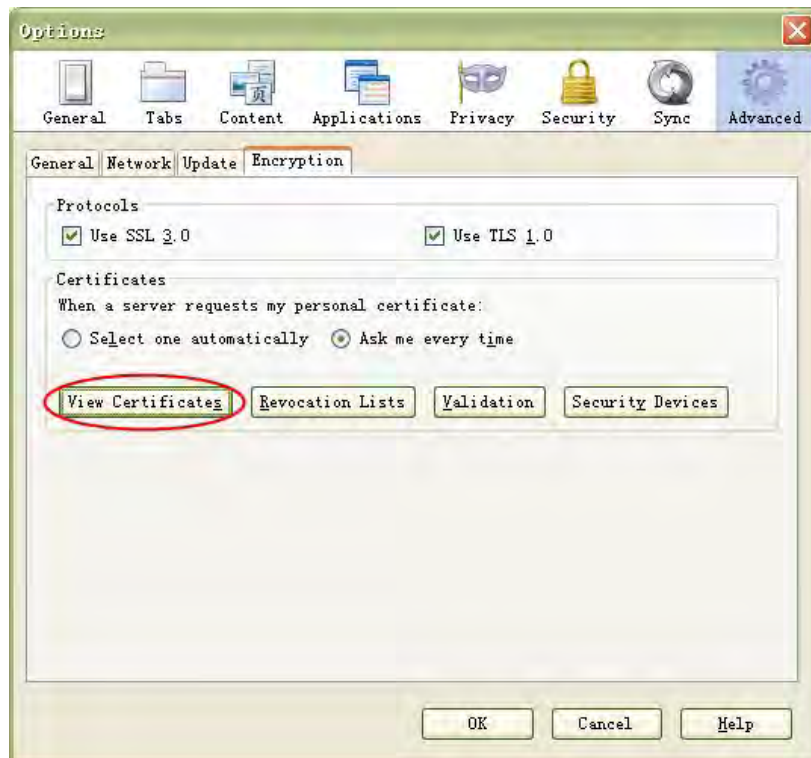


Open **Internet Explorer** if it is not already opened. Click on **Tools**, then click Internet Options. Next, click the **Security** tab, then click the **Trusted sites** button. Finally, click the **Confirm** button.

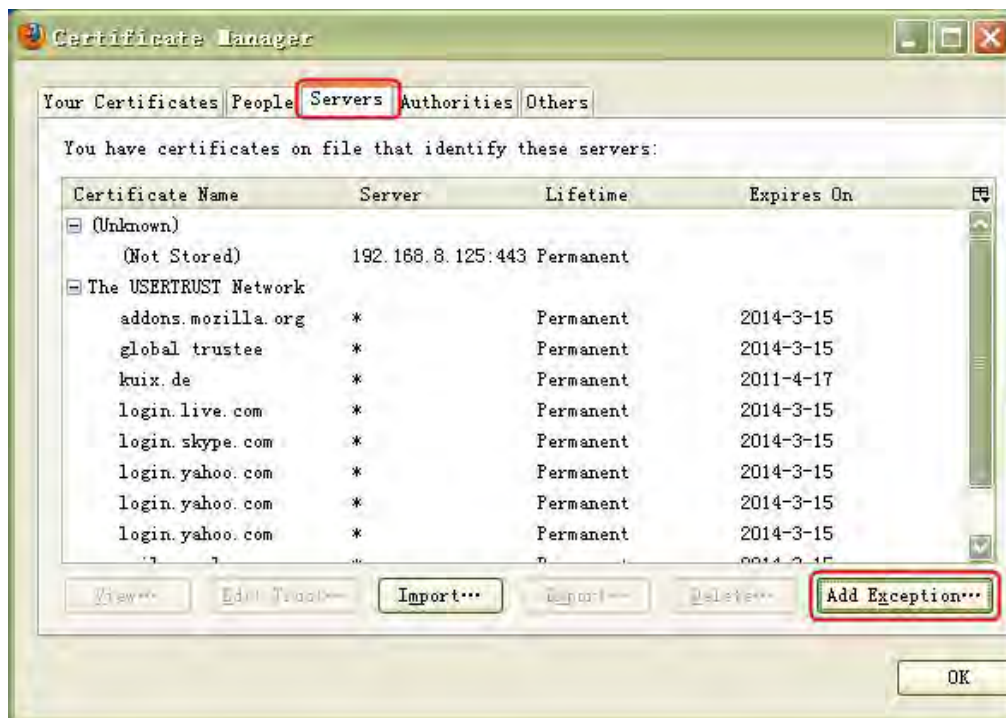


For **Firefox**, you can add the trusted as the following way:

Tools --Options --Advanced -- View Certificates -- Servers



Click **View Certificates**, and go to **Servers** option.



Go to **Add Exception** panel.



2.2 Access the FosBaby in WAN

2.2.1 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 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 the following URL in your browser: <http://www.whatismyip.com>. The webpage at this address will show you the current WAN IP.



Figure 2.8

Access your Camera from the Internet

You can access the 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`

NOTE :

Make sure port forwarding is successful. You can do port forwarding two ways.

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 Status page.

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 IP and port which you had set earlier to your router’s port forwarding settings.

Note: 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.

2.2.2 Dynamic IP Addresses

DDNS is a service that allows your 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 host name you can use to access your cameras at all times. You can access the camera directly from the Internet using the host name and port number.

What is the HTTP Port NO.?

Default HTTP Port is 88

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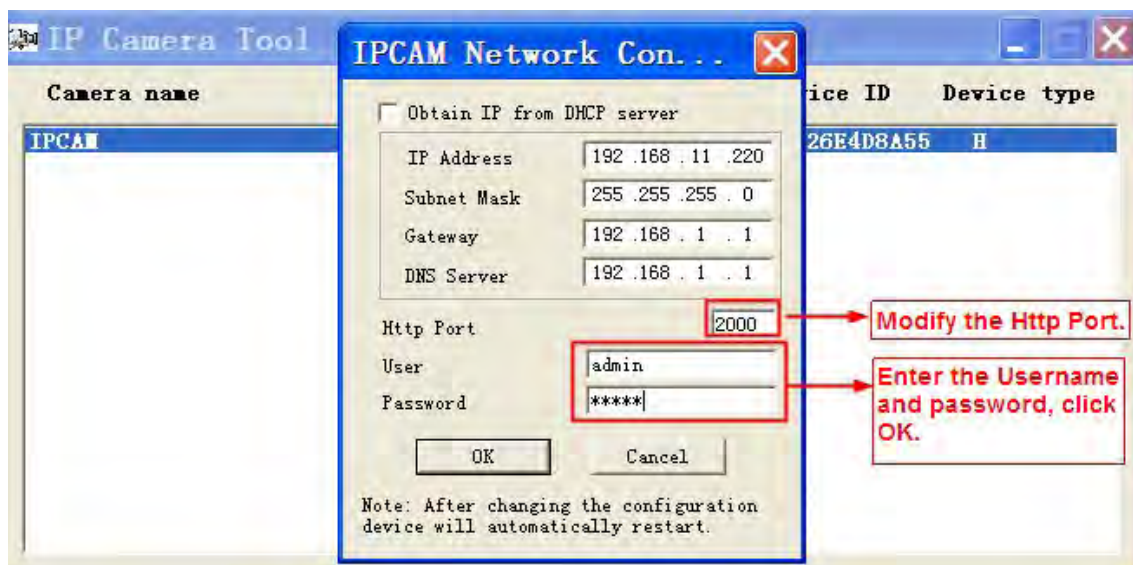
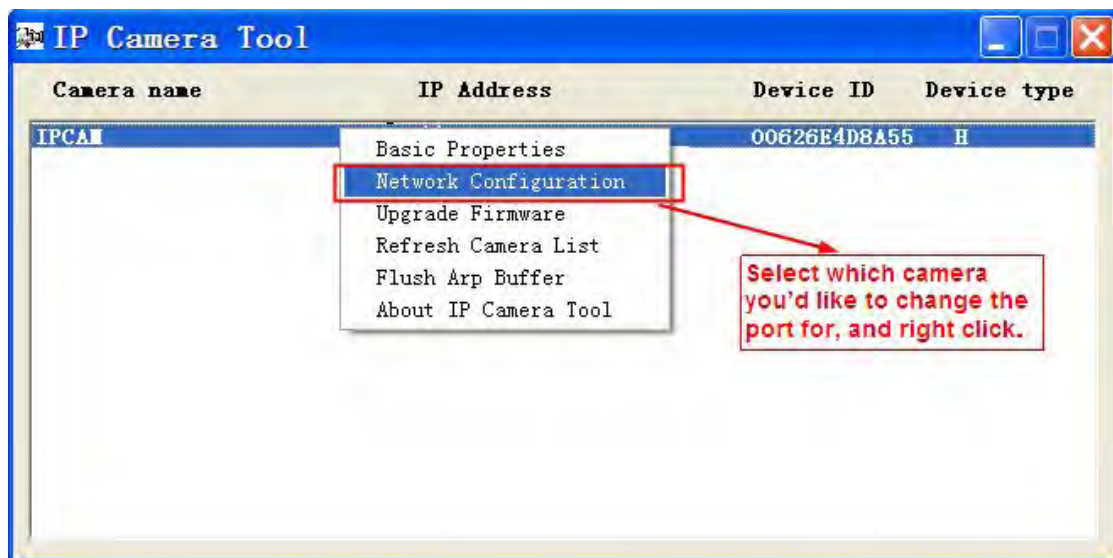
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All cameras have the default HTTP port of 88. For example, if the IP link of the camera is http://192.168.8.102:88, this means that the camera's HTTP port is 88. You can change port 88 to another port if you'd like such as 2000 or 8090, which will 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 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 as shown :



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

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Step 3: Wait around 10 seconds, you'll see that the camera's IP address has changed. In our example it was changed to 2000, so we see <http://192.168.8.102:2000> in IP Camera Tool. Also, the IP address is now fixed at a static IP address of <http://192.168.8.102:2000>. This IP address will not change even if the camera is powered off and back on, the camera will remain on this IP address. This is very important that a static 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 IP address. Make sure you set a static IP address!



Camera name	IP Address	Device ID	Device type
IPCAM	Http://192.168.11.220:88	00626E4D8A55	H

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 a camera, so it can be accessed from anywhere in the world.

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

How do we configure Port Forwarding?

For this section, we will be using an example:

Let's say the camera's 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 IP address & HTTP Port of the camera within the router as shown below, then push OK or Submit to save your settings:

Applications & Gaming

Setup | Wireless | Security | Access Restrictions | **Applications & Gaming** | Administration | Status

Single Port Forwarding | Port Range Forwarding | Port Range Triggering | DMZ | QoS

Single Port Forwarding

Application Name: None

Assign a name for the port forward setting here.

Foscam Cam

External Port	Internal Port	Protocol	To IP Address	Enabled
---	---	---	192.168.8.	<input type="checkbox"/>
2000	2000	Both	192.168.8.100	<input checked="" type="checkbox"/>
		Both	192.168.8.	<input checked="" type="checkbox"/>
		Both	192.168.8.	<input type="checkbox"/>

Fill the HTTP Port of the camera in the columns of External Port and Internal Port. Example: 2000

Fill in this section with the LAN IP of the camera; we would enter "100" for our example.

Help...

First method :

Use the embedded DDNS to access the camera via the Internet

Each Foscam camera has an embedded unique DDNS domain name, the format of this domain name is xxxxxx.myfoscam.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.myfoscam.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.

Save Refresh

Enable DDNS

Manufacturer's DDNS

Manufacturer's DDNS: test09.myfoscam.org Restore DDNS to factory

Third Party DDNS

Domain:

DDNS Server Address: None

Now you can use "http://Domain name + HTTP Port" to access the camera via the Internet.

Take hostname test09.myfoscam.org and HTTP Port of 2000 for example, the URL link to access the camera via the Internet would be http:// test09.myfoscam.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

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Please set DDNS Settings within the camera by hostname, a user name and password you've got from www.no-ip.com

Take host name ycxgwp.no-ip.info, user name foscam, password foscam2012 for example.

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

Secondly, select No-Ip as a server.

Thirdly, fill foscam as DDNS user, fill password foscam2012 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 host name, user name, and password, and try to redo the settings.

NOTE :

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

2.3 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](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 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

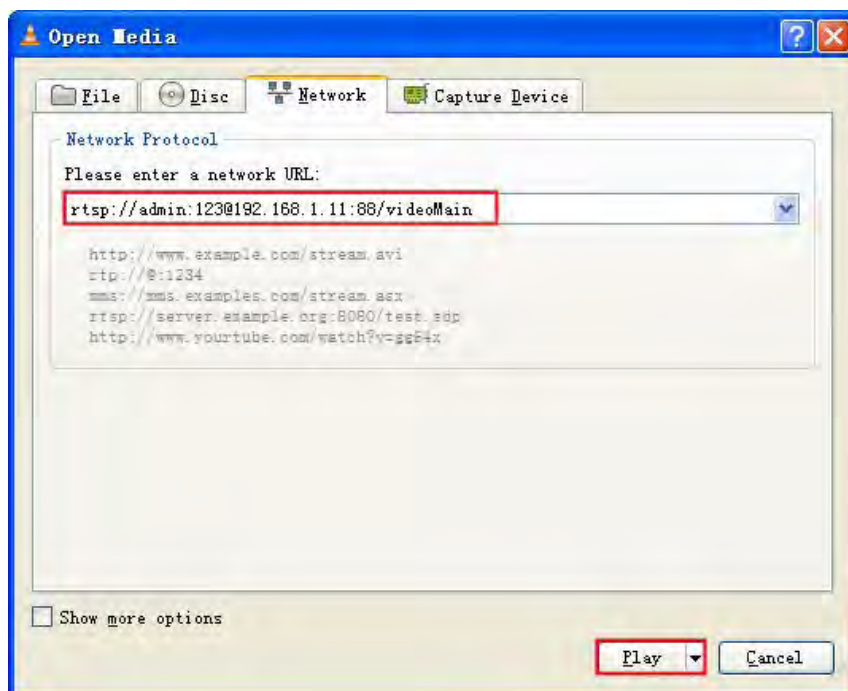
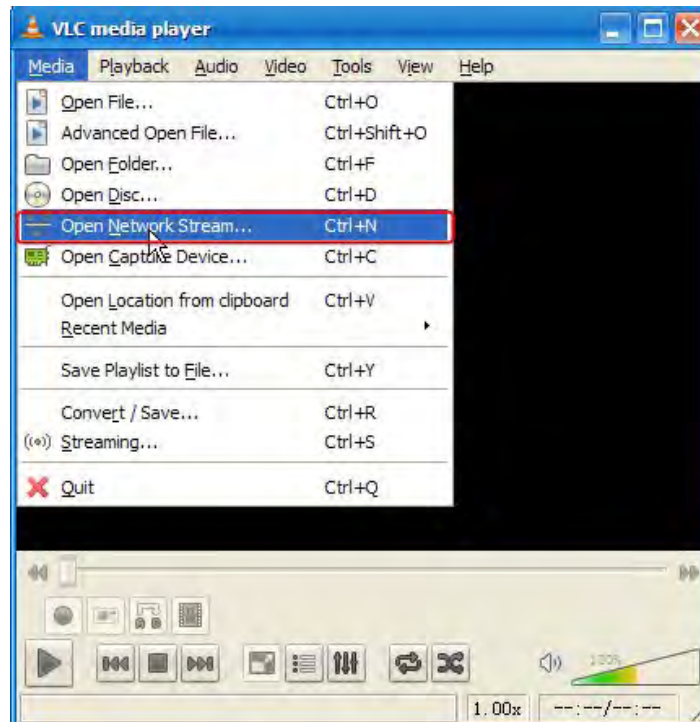
Here I can enter one of the following URLs in the VLC.

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

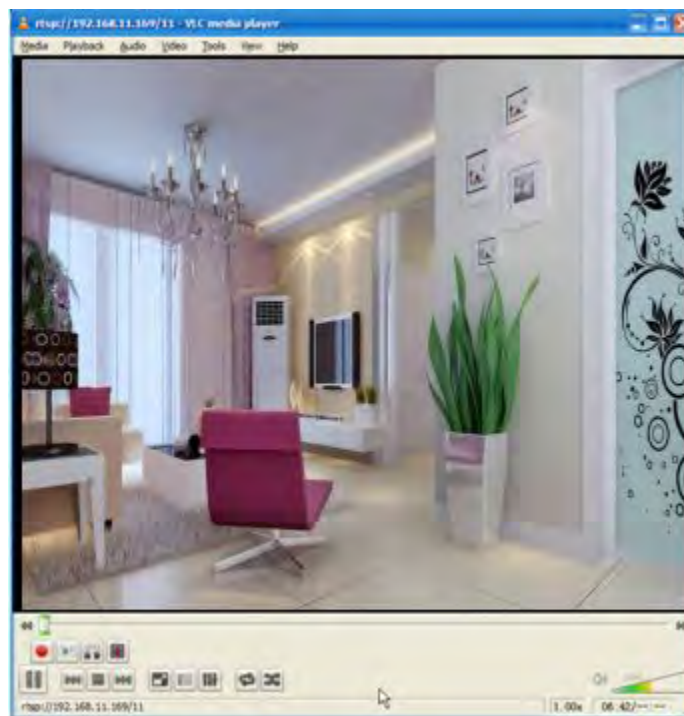
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Open the VLC, and go to Media(Open Network Stream option, then enter the URL into VLC.



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



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.

2.4 Camera Connection to the Server

Device supports ONVIF 2.2.1 protocol, You can easily access the NVR with ONVIF or server with ONVIF.

2.5 CMS Client Monitor

FOSCAM offers the most comprehensive central management software IP Camera Client, designed for managing all FOSCAM IP surveillance cameras with numerous features.

It supports management or monitoring multiple cameras for monitoring, recording, playback, and alarm management with efficient control. You could refer to the CMS user manual in the CD.

3 Surveillance Software GUI

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.

3.1 Login Window

The screenshot shows a login window with the following fields and controls:

- 1** Username: admin
- 1** Password: [Empty]
- 2** Stream: Main stream
- 3** Language: English
- 4** Login button

Section1 Enter the Username and password

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

Section2 Stream

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

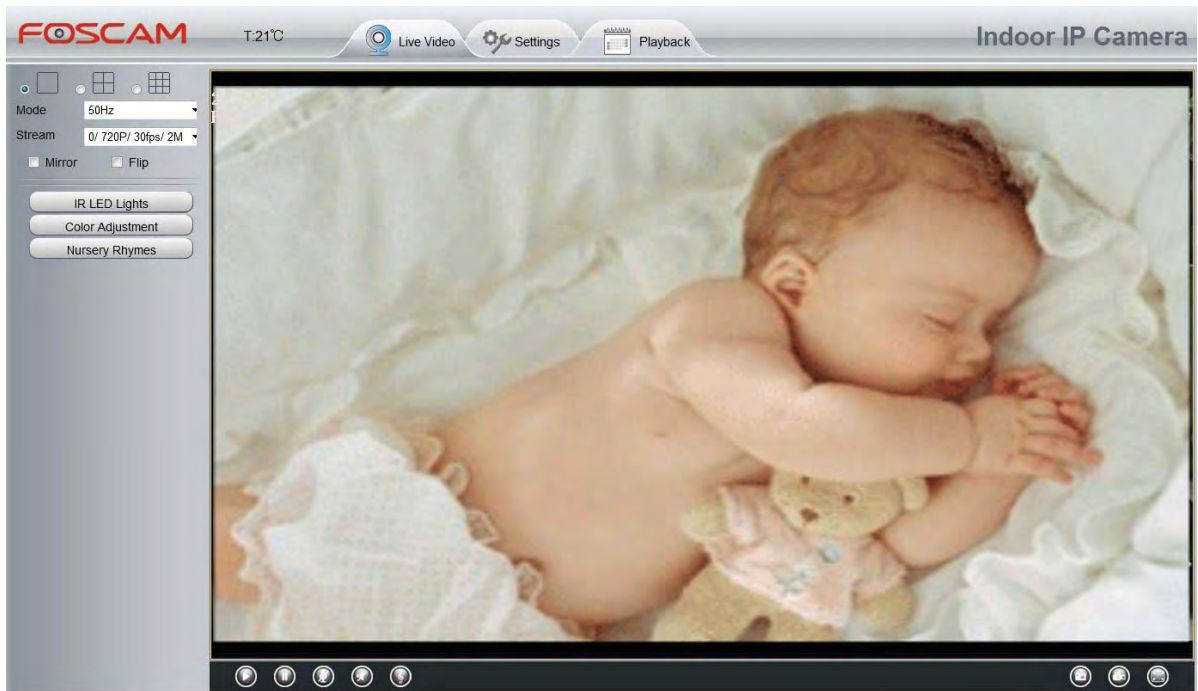
Note: When the network bandwidth is badly you'd better select Sub Stream and the video will be more fluency.

Section3 Select the language

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

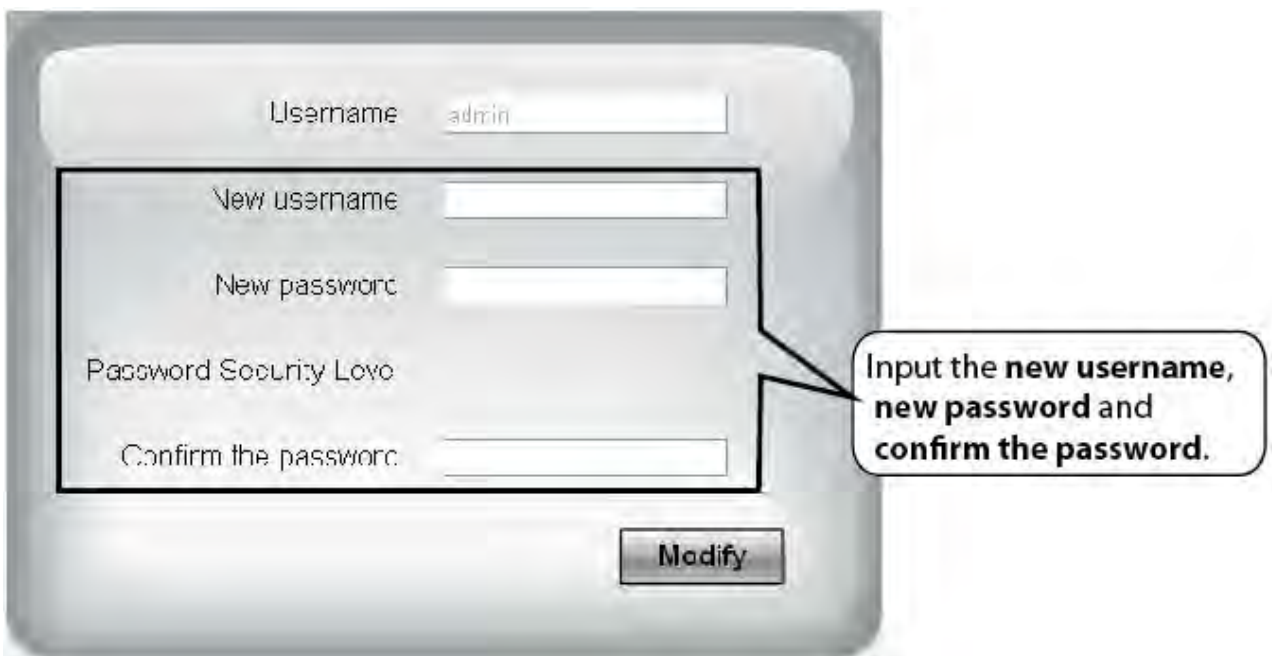
Section4 Login the camera

Click Login button and you will see the surveil video.

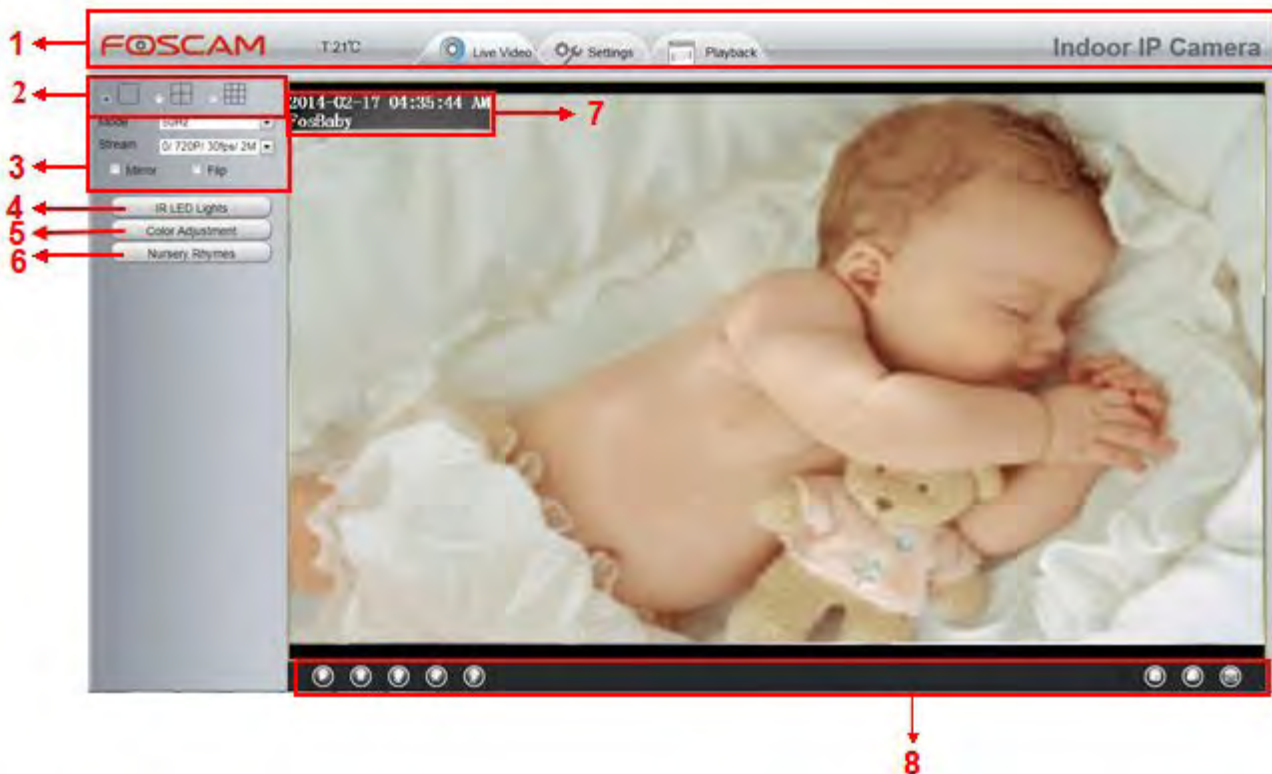


NOTE:

When setting up your camera for the first time, it will request that you modify the default username and/or password if both are still set to default. Input the new username and password, click "Modify" to complete the modification. You will now use the new username and password to log in to the camera in the future.



3.2 Surveillance Window

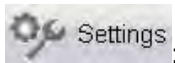


Section 1 Live Video / Settings/Playback buttons



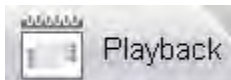
LiveVideo

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



Settings

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



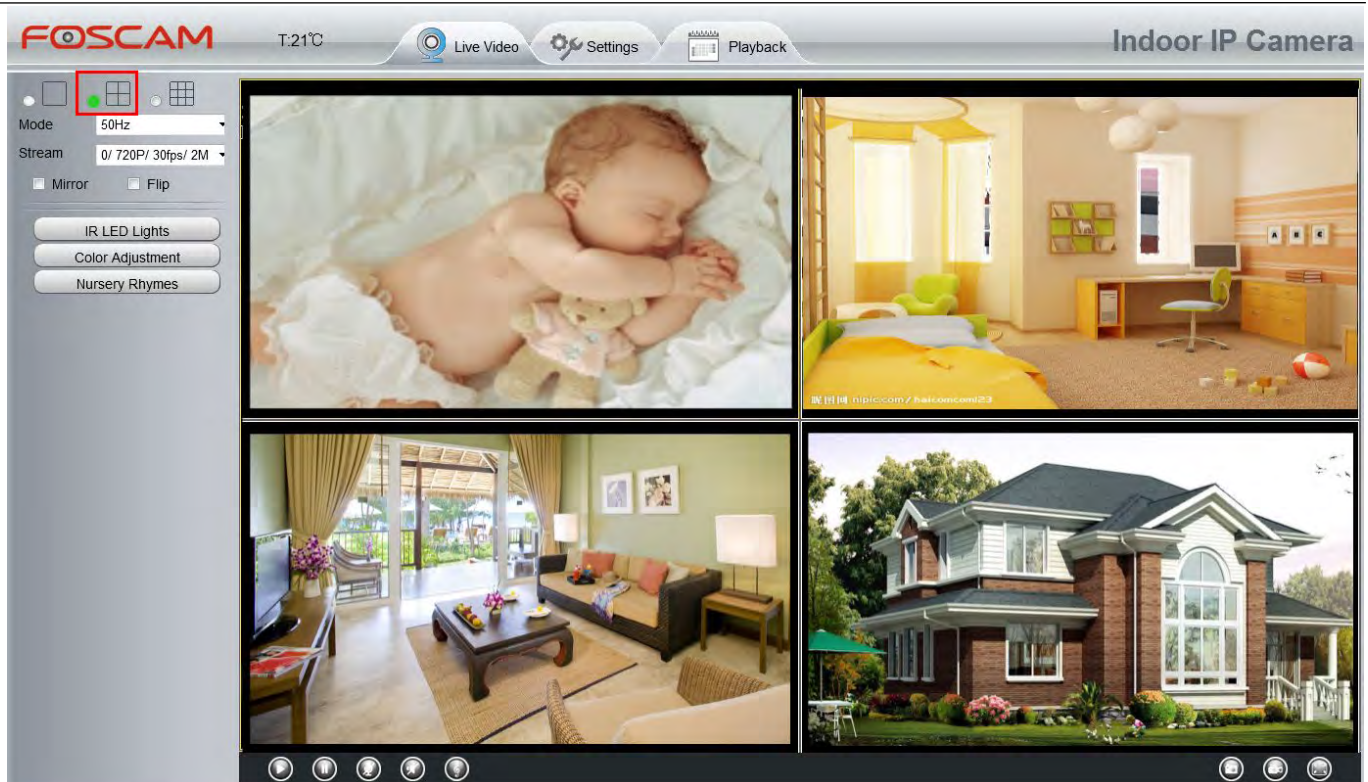
Playback

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

Section 2 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.



Section 3 Mode/ Stream / Mirror/ Flip buttons

Mode

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

Stream

The default Stream supports four modes: 0/720P/30fps/4M, 1/VGA/25fps/2M, 2/VGA/ 15fps/ 1M and 3/VGA/10fps/200K. The format of the stream type is **Stream type no. / Resolution / Maximum frame rate/ Bit rate.**

1) **Stream type NO.** : The number is used to identify the stream type.

2) 720P/ VGA

There are three resolutions, the bigger one is 1280*720P, and the smaller one is VGA (640*480) pixels. The bigger the resolution is , 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

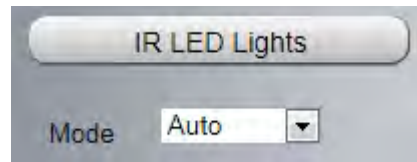
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lead to video can not play well.

You can reset the stream type on “**Settings-> Video-> Video Settings**” panel.
After changing, please re-login the camera and you can see the modification.

Section 4 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 infra led manually.

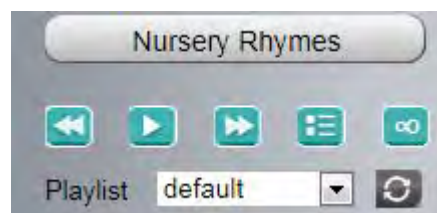
Schedule: Scheduled control. When it is selected, the function of switching on/off the infrared lamp as scheduled is enabled (Settings> Video > IR LED Schedule).





Section 5 Image quality settings






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



Section 6 Nursery Rhymes



: You can click this button to adjust the playing mode of songs. Three playing modes are available for selection:  Circular playing of all songs,  In-order playing, and  Circular playing of a single song.

: You can click this button to set the duration before the camera enters the standby state. Four options are available for selection:  Enter the standby state 10 min later,  Enter the standby state 20 min later,  Enter the standby state 30 min later, and  Not enter the standby state.

Section 7 OSD

2014-02-17 05:35:54 AM
FosBaby

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.

Section 8 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----- Play nursery rhymes Click this icon, the icon will become to , camera will play nursery rhymes.

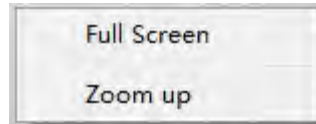
6----- Snapshot Click it to make snapshot and it pop-up a window which picture you snapshot, right click in the window and save the picture to anywhere you want.

7----- 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 of Windows OS and the default storage path is \IPCamRecord of Mac OS. You can change the storage path: Go to Settings->Record->Storage Location panel.

8-----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

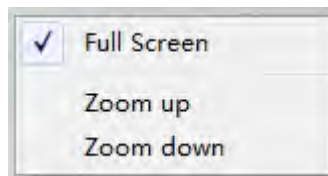
Right click the mouse and you can adjust the screen ration, full screen and Zoom up.



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

Zoom up: Select it and you can see a bigger screen than before.

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



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

4 Advanced Settings

Click the button “**Settings**”, goes to Administrator Control Panel to make advanced camera settings.

4.1 Setup Wizard

In the Setup Wizard page, you could complete the basic parameters FosBaby, such as device name,system time,wireless networks, IP address, etc.follow the prompts.

Device Name: You could name yourself for your camera.



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

The screenshot shows the 'Setup Wizard' interface for 'Step 2 of 4 - Camera Time'. On the left is a navigation menu with 'Setup Wizard' highlighted. The main area contains the following settings:

- Time Zone:** (GMT -08:00) Pacific Standard(US and Canada)
- Sync with NTP server:**
- NTP Server:** time.nist.gov
- Date Format:** YYYY-MM-DD
- Time Format:** 24-hour
- use DST:**

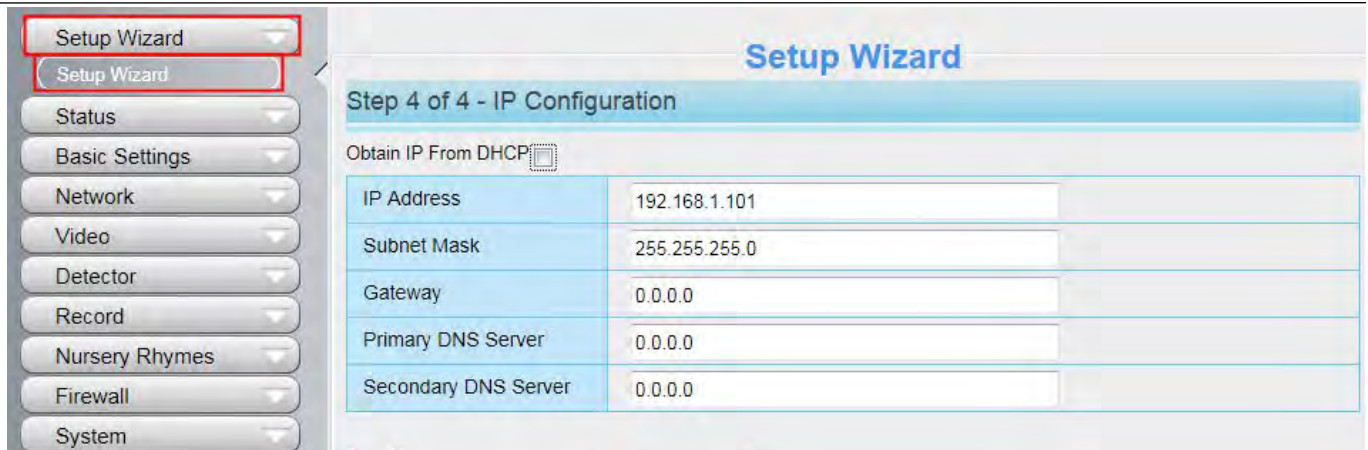
Wireless networks: to be completed FosBaby with your router wireless connection here. Click Scan, find the SSID MO. of your wireless router, select and enter the password. Then restart FosBaby or press the Soft AP button for 2-3 seconds again.

The screenshot shows the 'Setup Wizard' interface for 'Step 3 of 4 - Wireless Settings'. On the left is a navigation menu with 'Setup Wizard' highlighted. The main area contains the following settings:

- Wireless Network List:** A table with columns for SSID(Network Name), Encryption, and Quality. The 'FOSCAM-docdev' entry is highlighted in green. A 'Scan' button is located to the right of the table.
- SSID:** FOSCAM-docdev
- Encryption:** WPA/WPA2
- Password:** A field containing 12 dots, representing a masked password.

Below the password field, it states: "The maximum password length is 63, including numbers, letters and symbols".

IP: Set IP address of FosBaby. You could choose to obtain an IP automatically or set the IP address according to your needs.



4.2 Status

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

4.2.1 Device Information



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 000C5D000088, 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.

Plug-In Version: Display the plug-in version of your camera

4.2.2 Device Status

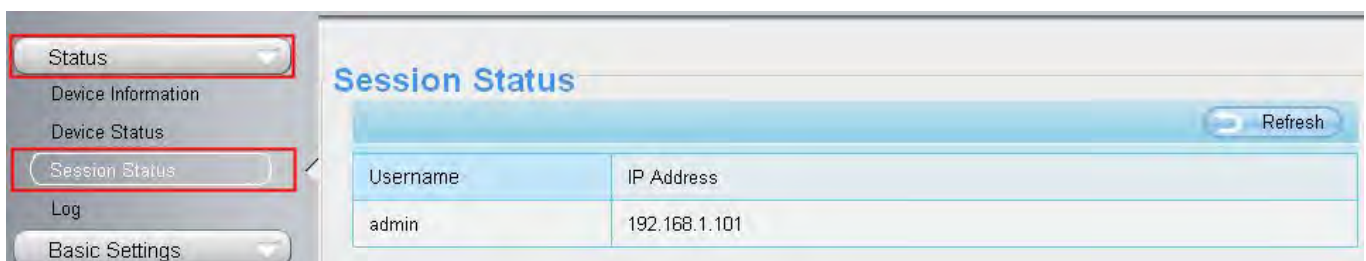
On this page you can see device status such as Alarm status/ Record Status ,DDNS status ,WIFI status and so on.



Device Status	
Alarm Status	Disabled
Record Status	Not Recording
SD Card Status	SD card
SD Card Free Space	1.4GB
SD Card Total Space	3.6GB
NTP Status	Disabled
DDNS Status	Susscess http://test09.myfoscam.org
UPnP Status	Susscess
WIFI Status	Connected to :foscam-wifi
IR LED Status	Off

4.2.3 Session Status

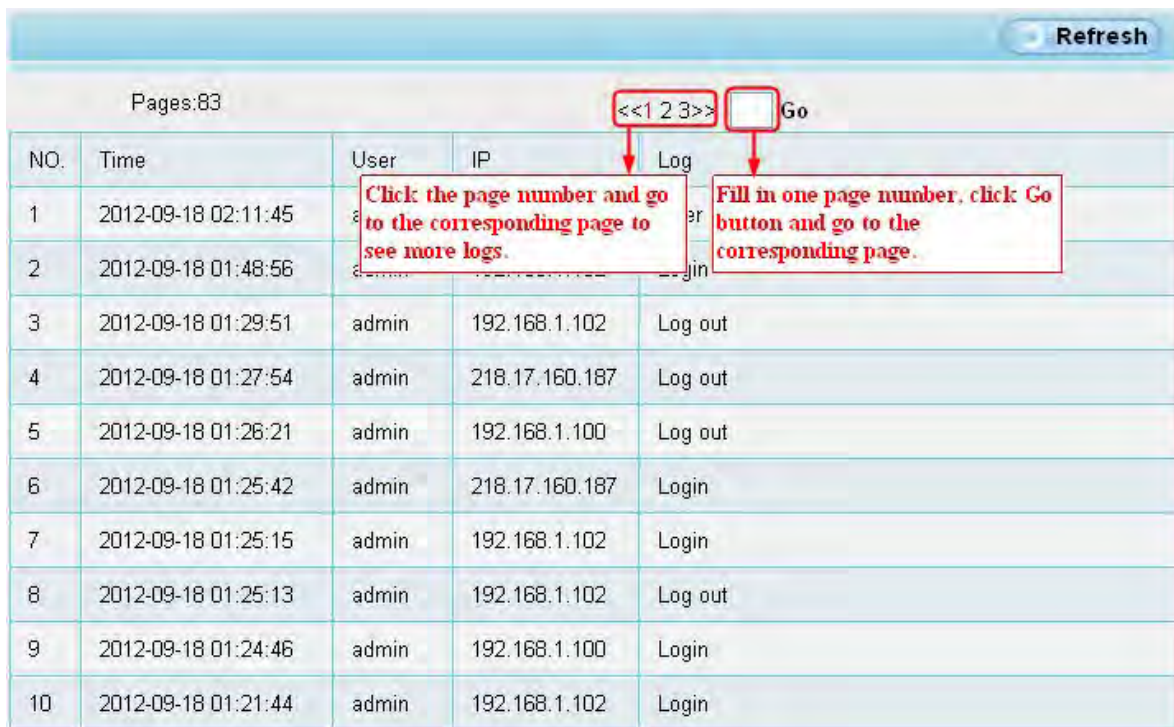
Session status will display who and which IP is visiting the camera now.



Session Status	
Username	IP Address
admin	192.168.1.101

4.2.4 Log

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



Pages:83

<< 1 2 3 >> Go

NO.	Time	User	IP	Log
1	2012-09-18 02:11:45	admin	192.168.1.102	Log out
2	2012-09-18 01:48:56	admin	192.168.1.102	Log out
3	2012-09-18 01:29:51	admin	192.168.1.102	Log out
4	2012-09-18 01:27:54	admin	218.17.160.187	Log out
5	2012-09-18 01:26:21	admin	192.168.1.100	Log out
6	2012-09-18 01:25:42	admin	218.17.160.187	Login
7	2012-09-18 01:25:15	admin	192.168.1.102	Login
8	2012-09-18 01:25:13	admin	192.168.1.102	Log out
9	2012-09-18 01:24:46	admin	192.168.1.100	Login
10	2012-09-18 01:21:44	admin	192.168.1.102	Login

Reboot the camera and clear the log records.

4.3 Basic Settings

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

4.3.1 Camera Name

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.



Camera Name

FosBaby

The maximum Device Name length is 20, support English, numbers, letters and symbols

4.3.2 Camera Time

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

Camera Time

Time Zone: (GMT) Greenwich mean time; London, Lisbon, ▼

Sync with NTP server:

PC Time: 2014-2-17 05:55:20 AM

Date Format: YYYY-MM-DD ▼

Time Format: 12-hour ▼

use DST:

Time Zone: Select the time zone for your region from the drop-down list.

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 the daylight saving time from the drop-down list.

Click **Save** button and submit your settings.

NOTE: If the power supply of camera is disconnect, you need set the camera's time again.

4.3.3 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.

How to change the password?

Firstly, select the account which you want to change the password, then select “Change password”, enter the old password and the new password, lastly click modify to take effect.

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.

User Accounts

Refresh

NO.	Username	Privilege
1	admin0	Administrator
2		
3		
4		
5		
6		
7		
8		

Username:

Password:

Security Level:

Confirm the password:

Privilege:

Change username

Change password

User Accounts

Refresh

NO.	Username	Privilege
1	admin0	Administrator
2	test	Visitor
3		
4		
5		
6		
7		
8		

Username:

Privilege:

Change username

Change password

Delete : Select the account which 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.

How to change the username ?

Firstly, select the account which you want to change the username, then select "Change username", enter the new password, lastly click modify to take effect.

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User Accounts

Refresh

NO.	Username	Privilege
1	admin0	Administrator
2	test	Visitor
3		
4		
5		
6		
7		
8		

Username:

New username:

Privilege:

Change username

Change password

4.3.4 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 FOSCAM MJPEG and H.264 series cameras to the first camera and view multi-surveillance screen on one window.

Add cameras in WLAN

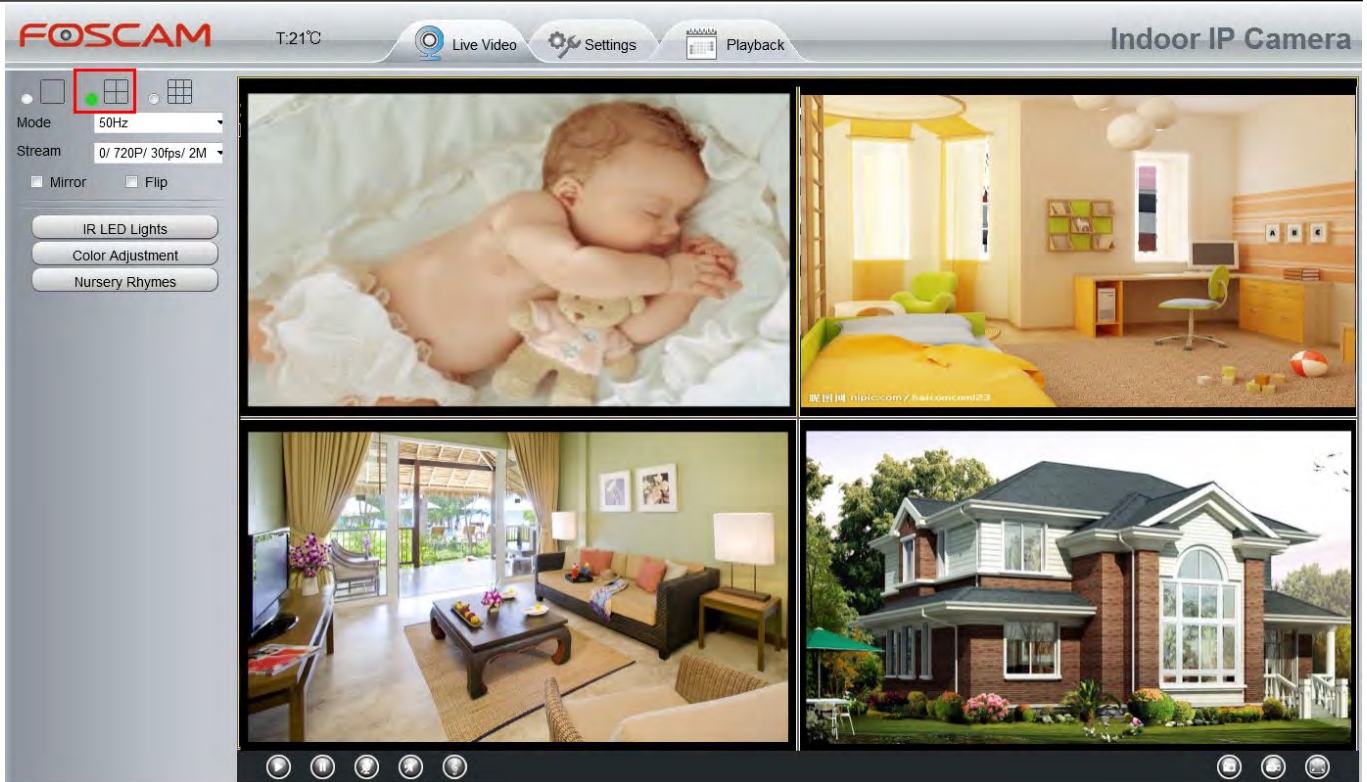
In Multi-Device Settings page, you can see all devices searched in WLAN. The 1st Device is the default one. You can add more cameras in the list in WLAN for monitoring. The camera's software supports up to 9 IP Cameras online simultaneously. Click The 2nd Device and click the item in the Device List in WLAN, 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.

Cameras On LAN	FC2401P(172.16.0.195) FI9821W(172.16.0.47) EH8155fx(172.16.2.136) Foscam NVR(172.16.1.67) Foscam NVR(172.16.1.71) Foscam NVR(172.16.1.59) <input type="button" value="Refresh"/>	1. Click it, camera model, alias, host and HTTP Port will be filled in the following boxes automatically.
The 1st Camera	This Camera	
The 2nd Camera	None	
Camera Model	H264	
Camera Name	FI9821W	
Host	172.16.0.47	
HTTP Port	88	
Media Port	88	2 Enter the User name and password of the 2nd camera.
Username	<input type="text"/>	
Password	<input type="password"/>	
3. Click Add to take effect.		<input type="button" value="Add"/> <input type="button" value="Delete"/>

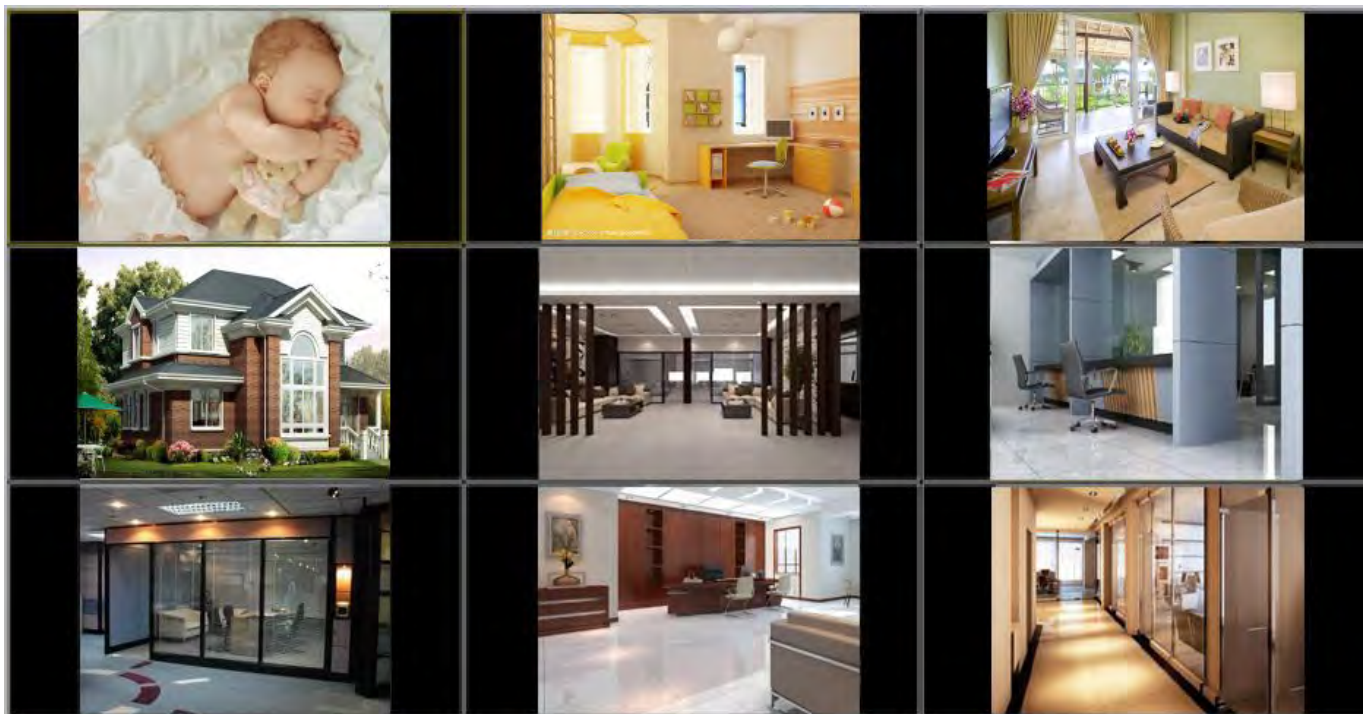
Camera Model: Our Company produces two series cameras: MJPEG and H.264. Here will show you which series the camera belongs to.

Cameras On LAN	anonymous(192.168.11.193) FI9821W for ebuyer (192.168.11.241) anonymous(192.168.11.203) anonymous(192.168.11.243) <input type="button" value="Refresh"/>	<input type="button" value="Refresh"/>
The 1st Camera	This Camera	
The 2nd Camera	FI9821W(172.16.0.47)	
The 3rd Camera	FI9821W for ebuyer (192.168.11.241)	
The 4th Camera	anonymous(192.168.11.203)	
The 5th Camera	None	
The 6th Camera	None	
The 7th Camera	None	
The 8th Camera	None	
The 9th Camera	None	
Note: If you want to access your camera remotely, make sure you are able to access it separately through a browser.		

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



Using the same method, you could to add other cameras continue. It can add up to 9 road equipment.



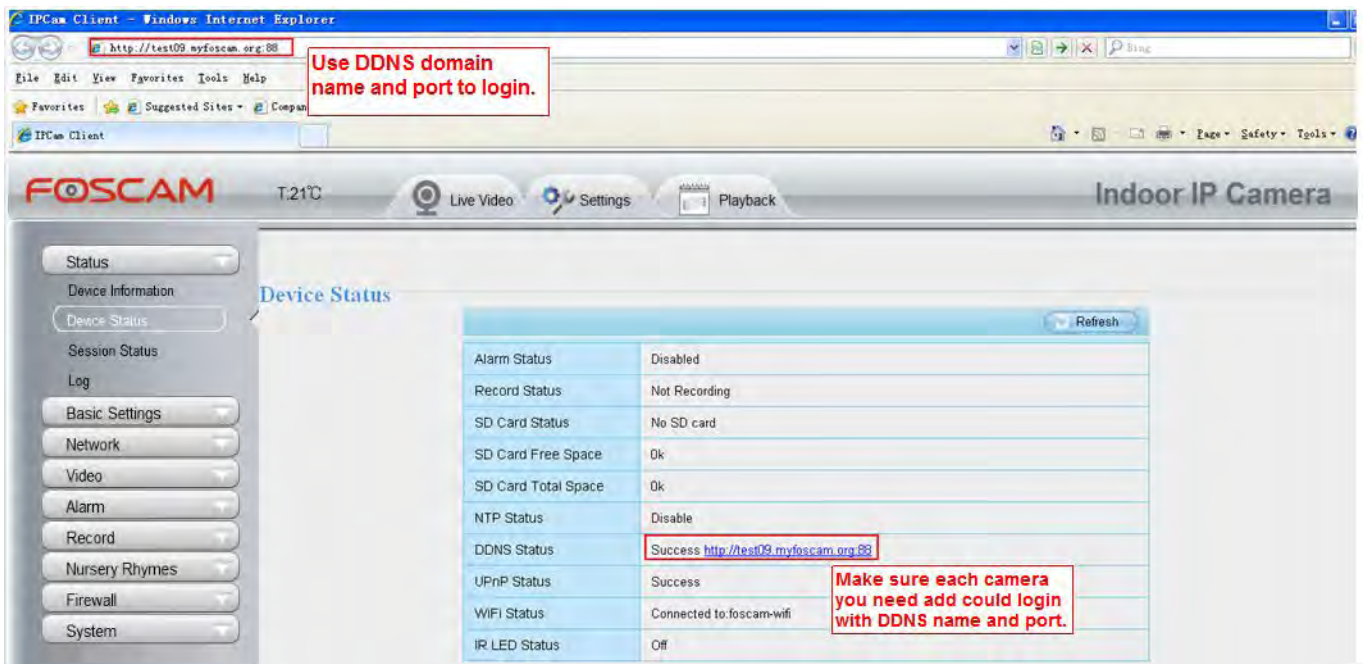
Add cameras in WAN

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 4.4.3)**

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Login to the first camera using a DDNS domain name and port.



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.

The 1st Camera	This Camera
<u>The 2nd Camera</u>	FI9821W(172.16.0.47)
Camera Model	H264 1
Camera Name	FI9821W 2
Host	172.16.0.47
HTTP Port	88 3
Media Port	88
Username	admin
Password	
5 <input type="button" value="Add"/> <input type="button" value="Delete"/>	

- 1----- The camera model: MJ or H264.
- 2----- The 2nd camera's name
- 3----- Fill in the 2nd camera's DDNS host not 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

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5---- Click Add button and to take effect

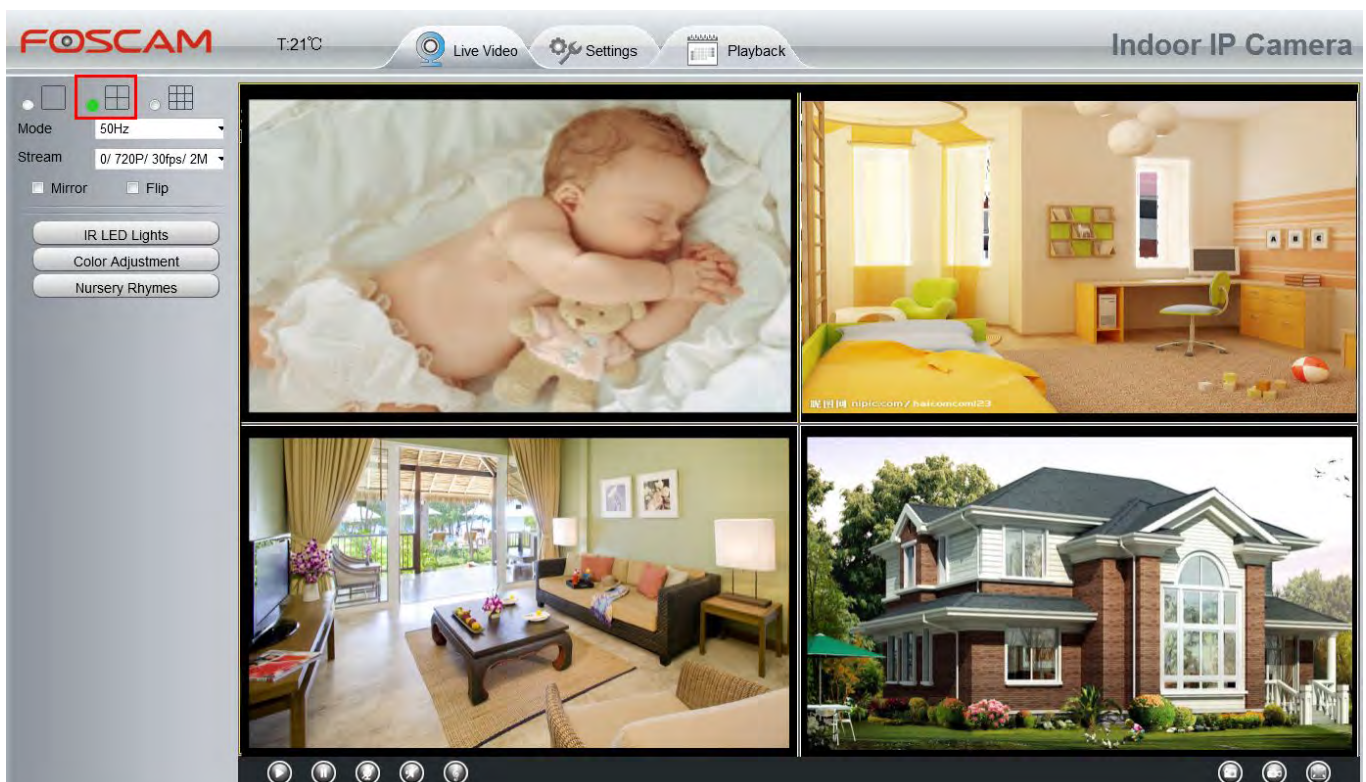
NOTE: Here the Host must be entered as the second camera's DDNS domain name, not its IP.

Cameras On LAN		Refresh
	anonymous(192.168.11.193) F19821W for ebuyer (192.168.11.241) anonymous(192.168.11.203) anonymous(192.168.11.243)	Refresh
The 1st Camera	This Camera	
The 2nd Camera	F19821W(172.16.0.47)	
The 3rd Camera	F19821W for ebuyer (192.168.11.241)	
The 4th Camera	anonymous(192.168.11.203)	
The 5th Camera	None	
The 6th Camera	None	
The 7th Camera	None	
The 8th Camera	None	
The 9th Camera	None	

Note: If you want to access your camera remotely, make sure you are able to access it seperately through a browser.

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.

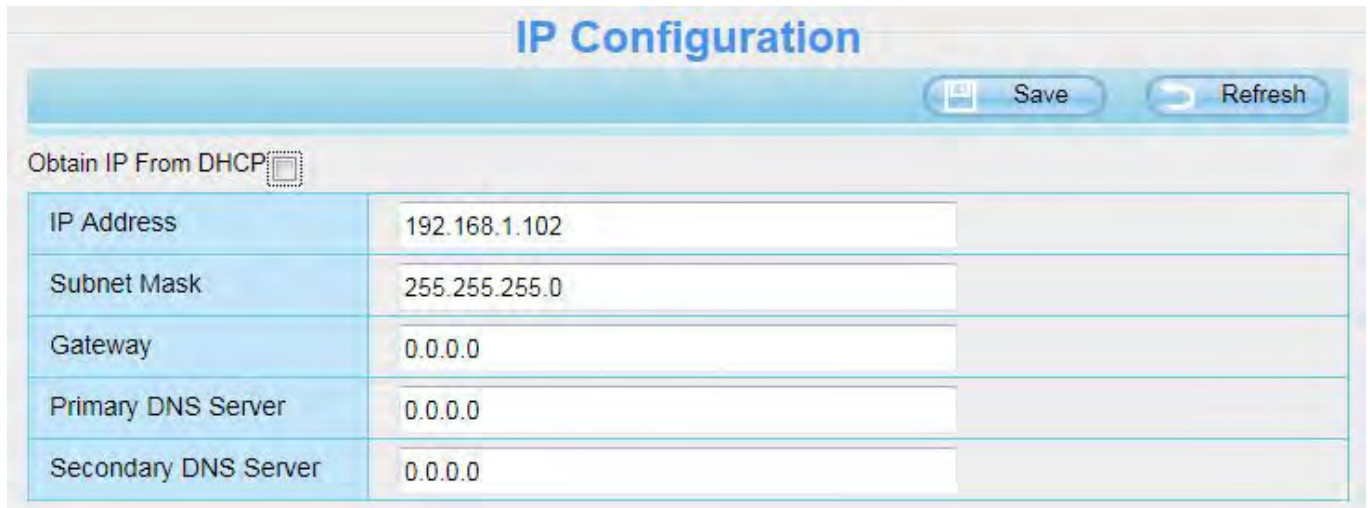


4.4 Network

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

4.4.1 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.

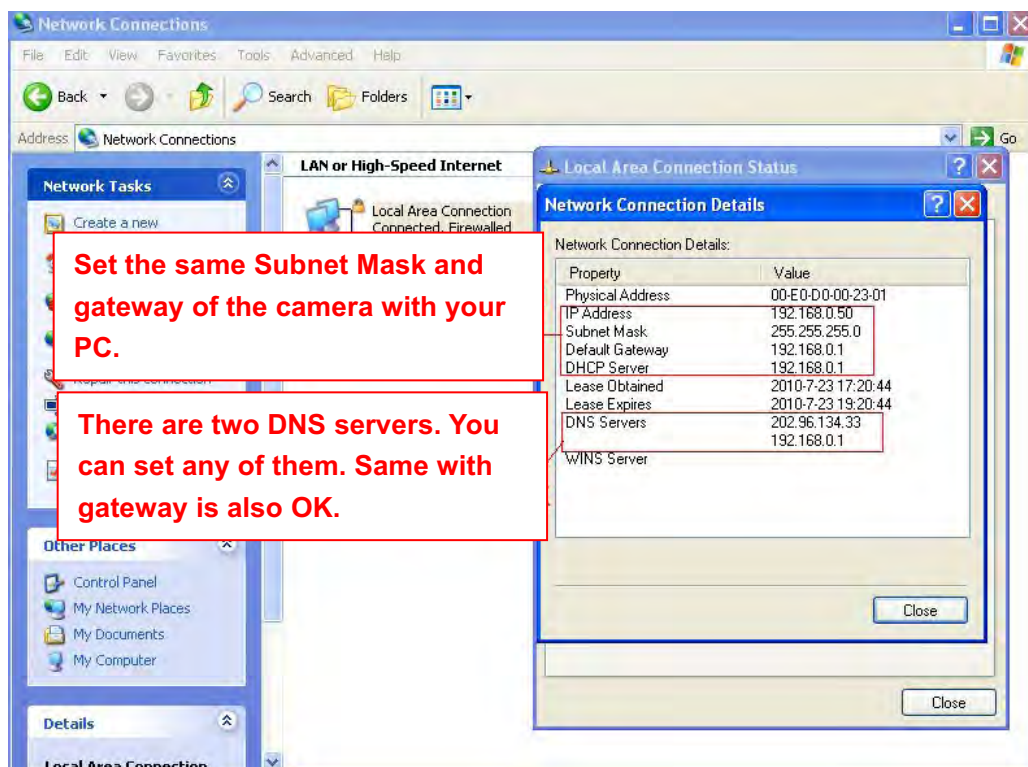
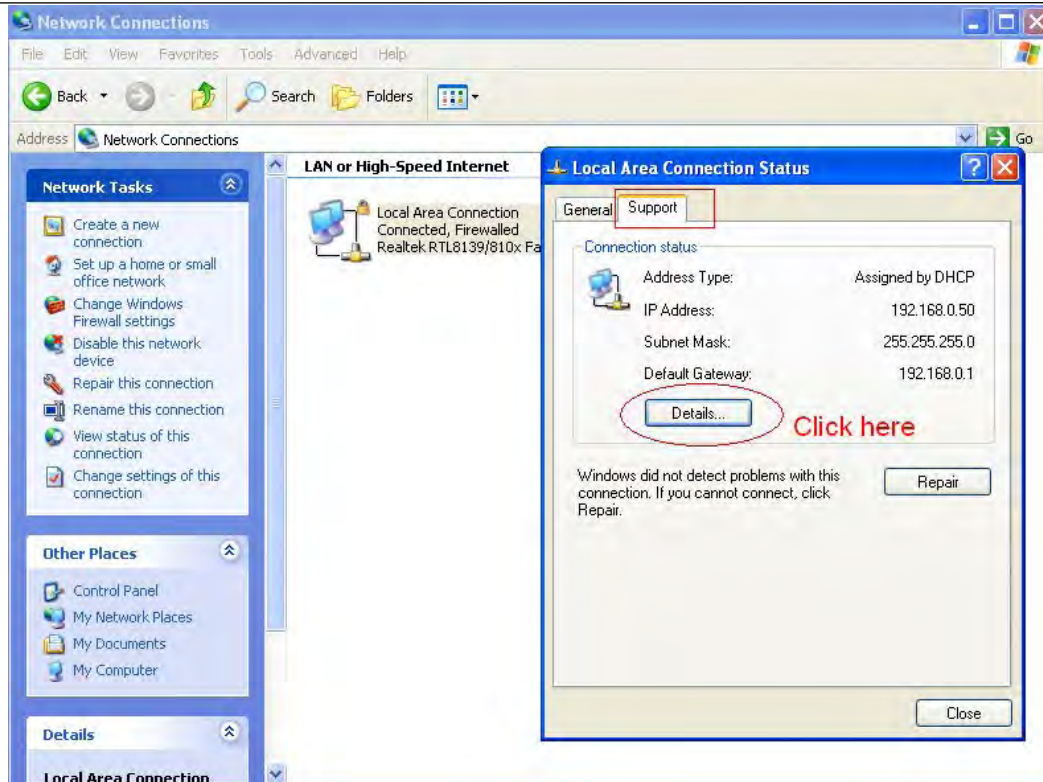


IP Configuration	
Obtain IP From DHCP	<input checked="" type="checkbox"/>
IP Address	192.168.1.102
Subnet Mask	255.255.255.0
Gateway	0.0.0.0
Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0

Changing settings here is the same as using the IP Camera Tool.

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**

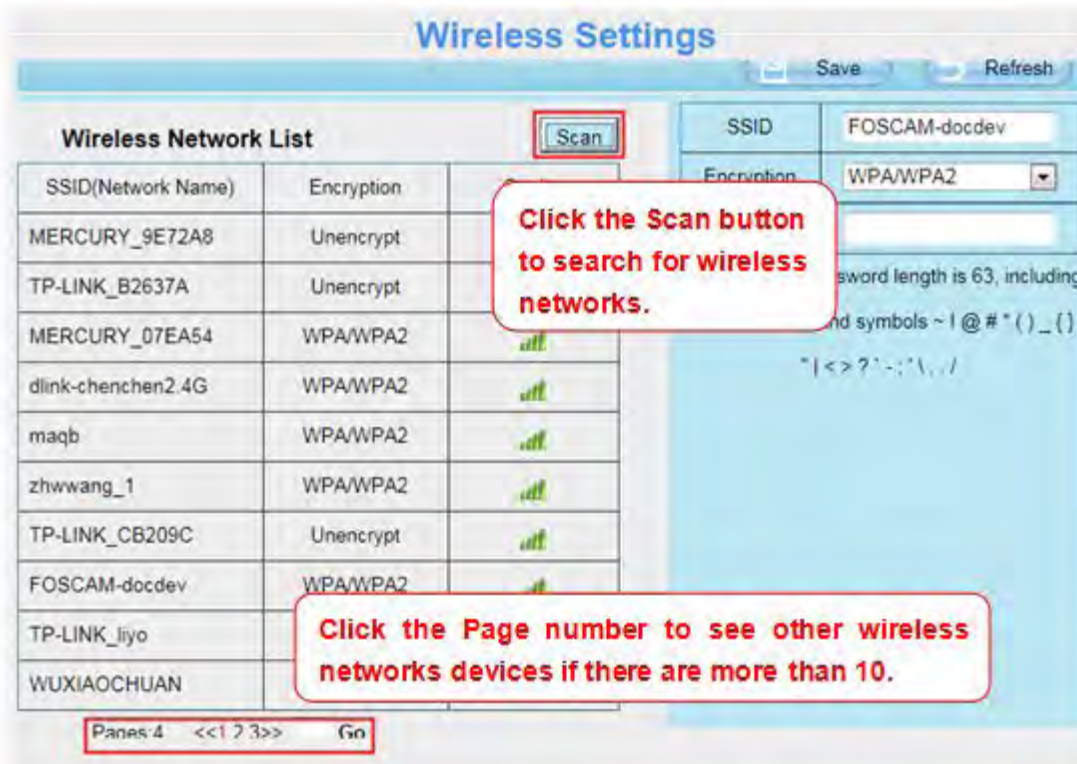


If you don't know the DNS server, you can use the same settings as the Default Gateway.

4.4.2 Wireless Settings

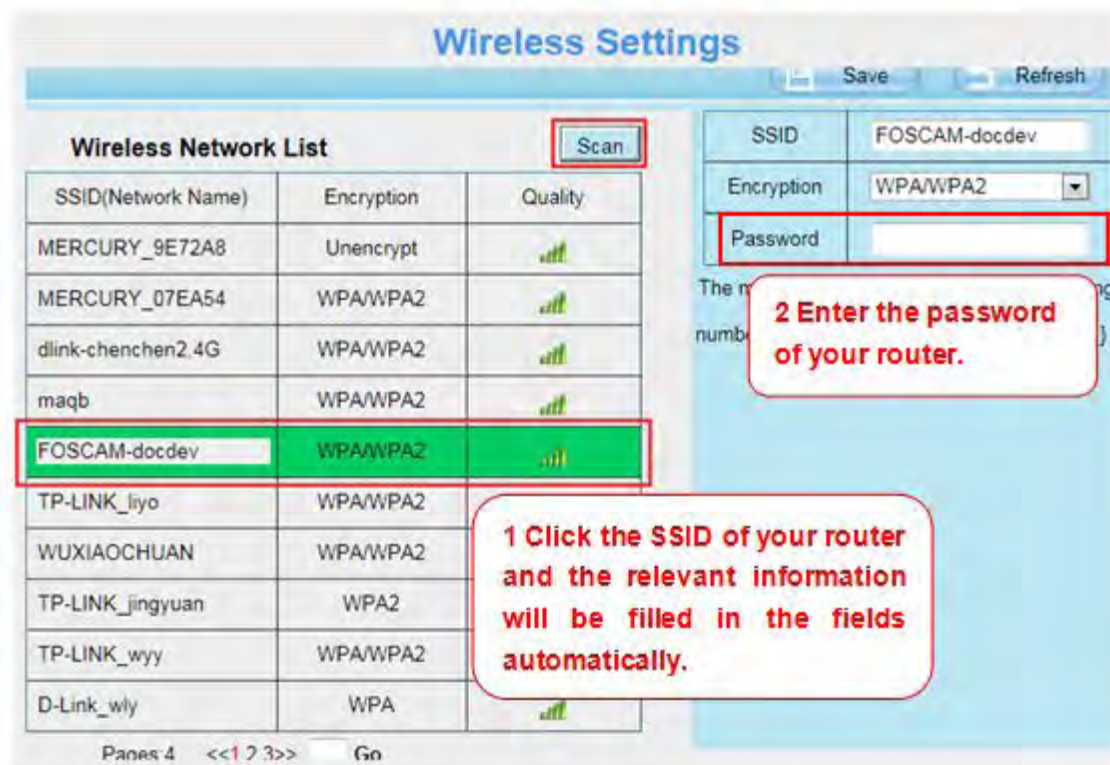
Step 1: Choose “Settings” on the top of the camera interface, and go to the “Network” panel on the left side of the screen, then click “Wireless Settings.”

Click the **Scan** button and the camera will detect all wireless networks around the area. It should also display your router in the list.



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.



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 camera is able to connect to the wireless network.

The 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 IP of the camera will show again on the window of the IP Camera Tool. The IP address may have changed after the camera receives a wireless connection; 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. Congratulations! You have set up the wireless connection of the camera successfully.

WPS (WI-FI Protected Set-up)

Before using WPS wireless connection, you need to:

Make sure that your wireless router has the WPS function, and has been properly connected to the Internet. WPS button on the wireless router is typically located on the front panel or rear panel. TP-LINK router's WPS button is called QSS (Quick Security Setup).

- (1) Press and hold the WPS button for three seconds. The blue indicator on the side of the camera begins to twinkle at high frequency. (You can press and hold this button for more than 10s to reset the camera. After the reset, the settings of the camera are restored to factory defaults.)
- (2) Press and hold the WPS button for three seconds on your wireless router **within 60 seconds**. Then the camera will automatically create a secure wireless connection to your router in about 60 seconds.

4.4.3 DDNS

FOSCAM 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.

FOSCAM domain name

Here take **test09.myfoscam.org** for example. Go to option of DDNS on the **Settings->Network** panel, you can see the domain name.

Save Refresh	
Enable DDNS <input checked="" type="checkbox"/>	
Manufacturer's DDNS	
Manufacturer's DDNS	test09.myfoscam.org Restore DDNS to factory
Third Party DDNS	
DDNS Server	None
Domain	

Now you can use **http:// Domain name + HTTP Port** to access the camera via internet.

Take hostname **test09.myfoscam.org** and HTTP Port NO. 800 for example, the accessing link of the camera Shenzhen Foscam Intelligent Technology Co., Limited

via internet would be [http:// test09.myfoscam.org:800](http://test09.myfoscam.org:800)

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.

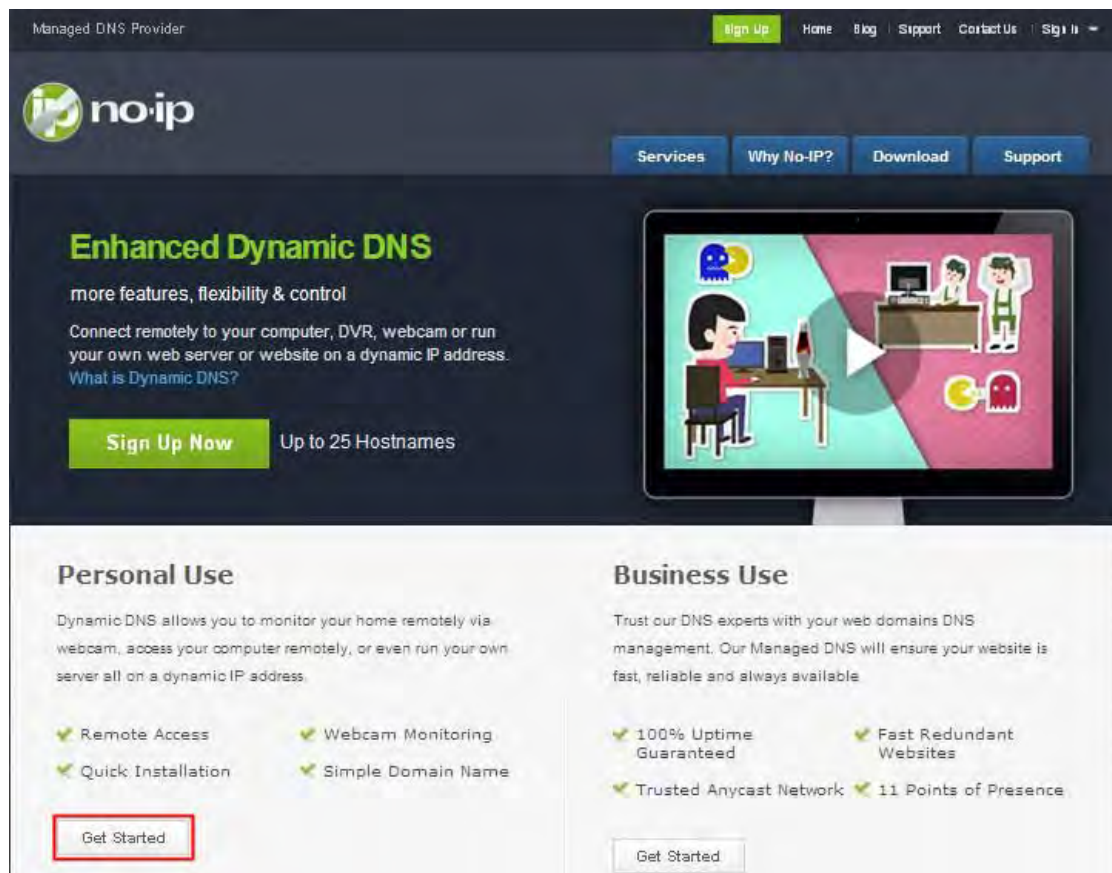
Third Party Domain Name Settings

User can also use third part DDNS, such as www.no-ip.com ,[www. 3322.com](http://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.




No-IP Free

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

[Sign Up Now](#) [More](#)


[Click here to register.](#)



Domain Registration

Fast, simple and affordable Domain Registrations. 100% Uptime Guaranteed!


[Learn More](#)



POP3 / IMAP Email

Easily manage email accounts for your own domain and access your email from anywhere.

[Learn More](#)



SSL Certificates

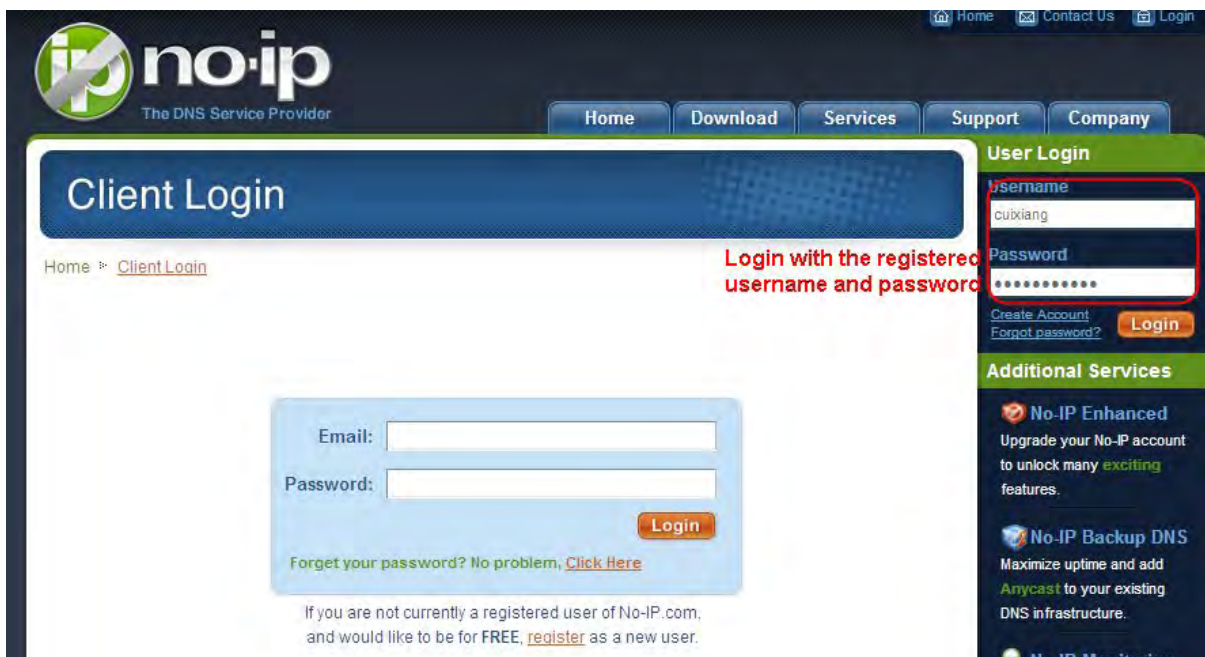
Ensure your website visitors are safe and secure by purchasing an SSL Certificate.

[Learn More](#)

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

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

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



Client Login

Home » [Client Login](#)

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**

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

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 host name, a user name and password you've got from www.no-ip.com

Take host name `ycxgwp.no-ip.info`, user name **foscam**, password **foscam2012** for example.

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

Secondly, select No-IP as a server.

Thirdly, fill **foscam** as DDNS user, fill password **foscam2012** 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 host name, user name, and password, and try to redo the settings.

NOTE :

If you have set Third Party DDNS successfully ,the Foscam Domain Name will be invalid. The Third Party DDNS and the Foscam 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 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 TP-Link brand router as an example, Login the router, and goes to Applications & Gaming->Single Port Forwarding.**

Secondly, Create a new column by IP address & HTTP Port No. of the camera within the router showed as below.

Wireless-N Home Router WRT1208

Applications & Gaming

Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Single Port Forwarding | Port Range Forwarding | Port Range Triggering | DMZ | DDNS

Single Port Forwarding

Application Name	External Port	Internal Port	Protocol	To IP Address	Enabled
None	---	---	---	192.168.8.100	<input type="checkbox"/>
None	---	---	---	192.168.8.100	<input type="checkbox"/>
None	---	---	---	192.168.8.100	<input type="checkbox"/>
None	---	---	---	192.168.8.100	<input type="checkbox"/>
Http	2000	2000	Both	192.168.8.100	<input checked="" type="checkbox"/>
Imedia	9200	9200	Both	192.168.8.100	<input checked="" type="checkbox"/>
None	---	---	---	192.168.8.100	<input type="checkbox"/>

Help...

Fill the HTTP Port no. of the camera on the column of External Port and Internal Port+

Assign a name as you like here.

Fill the Media Port no. of the camera on the column of External Port and Internal Port.

Fill the LAN IP of the camera here, just input the last section+

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**

4.4.4 UPnP

Save Refresh

Enable UPnP Yes

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:

Device Status Refresh

Alarm Status	Disabled
Record Status	Not Recording
NTP Status	Disable
DDNS Status	Success test09.myfoscam.org
UPnP Status	Success
WiFi Status	Not connected
IR LED Status	Off

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 .

4.4.5 Port

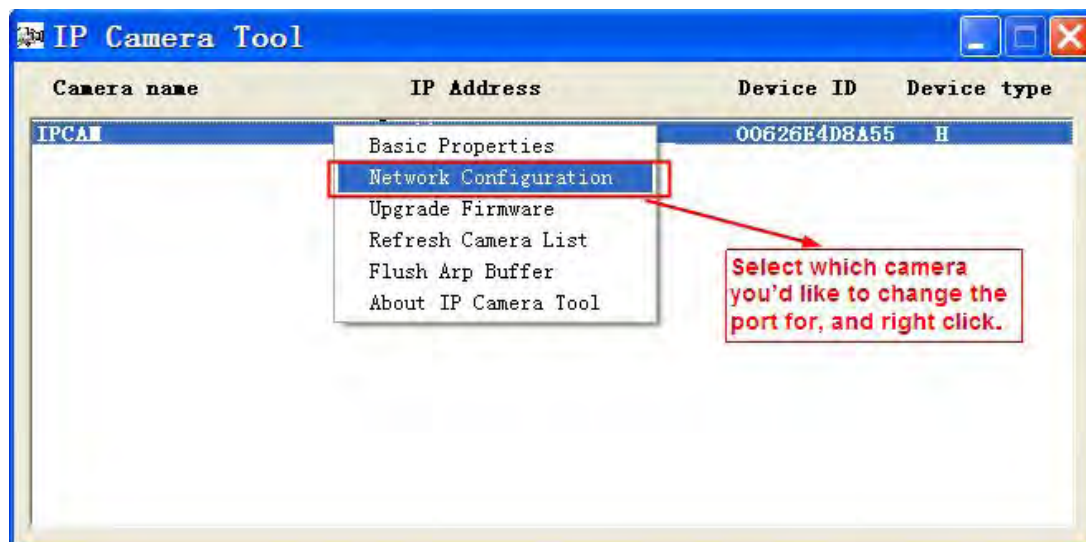
This camera supports HTTP Port. HTTP Port is used to access the camera remotely. If you want to access the camera and view the video, the HTTP Port must both be configured correctly.

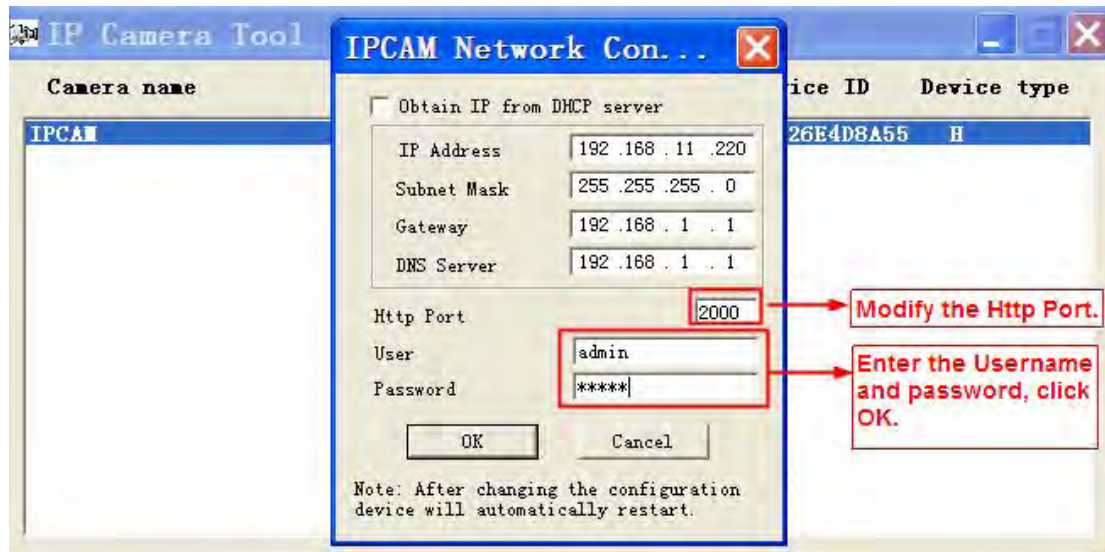
HTTP port: By default, the HTTP is set to 88. Also, they can be assigned with another port number between 1 and 65535. But make sure they can not be conflict with other existing ports like 25, 21.

		Save	Refresh
HTTP Port	88		
HTTPS Port	443		
ONVIF Port	888		

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 :





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 IP address has changed. In our example it was changed to 2000, so we see http://192.168.8.102:2000 in IP Camera Tool. Also, the IP address is now fixed at a static IP address of http://192.168.8.102:2000. This IP address will not change even if the camera is powered off and back on, the camera will remain on this IP address. This is very important that a static 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 IP address. Make sure you set a static IP address!



Note: Http port and Media port must be different.

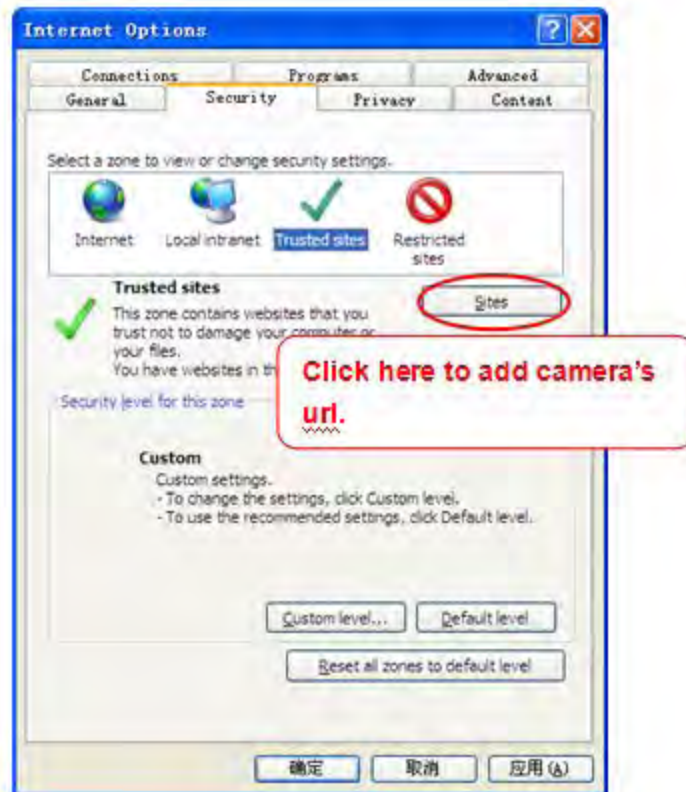
If the camera cannot be accessed, please make sure the port forwarding is succeed.

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

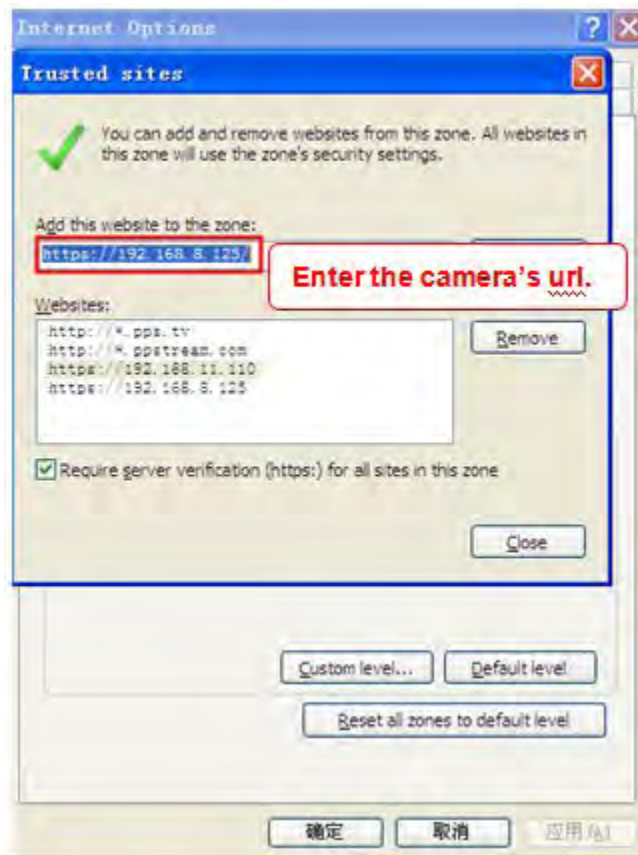
Sometimes you need to add the url to the Trusted Sites.

Open Internet Explorer if it is not already opened. Click on **Tools**, then click **Internet Options**.

Next, click the **Security** tab, then click the **Trusted sites** button.

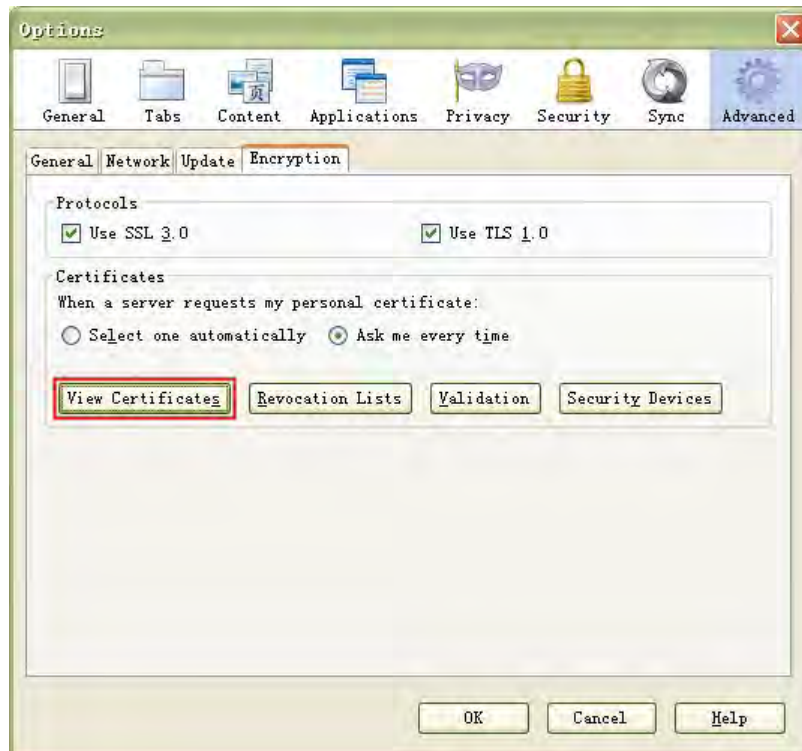


Click **Sites** then you can add the camera's https web site to the internet explorer.

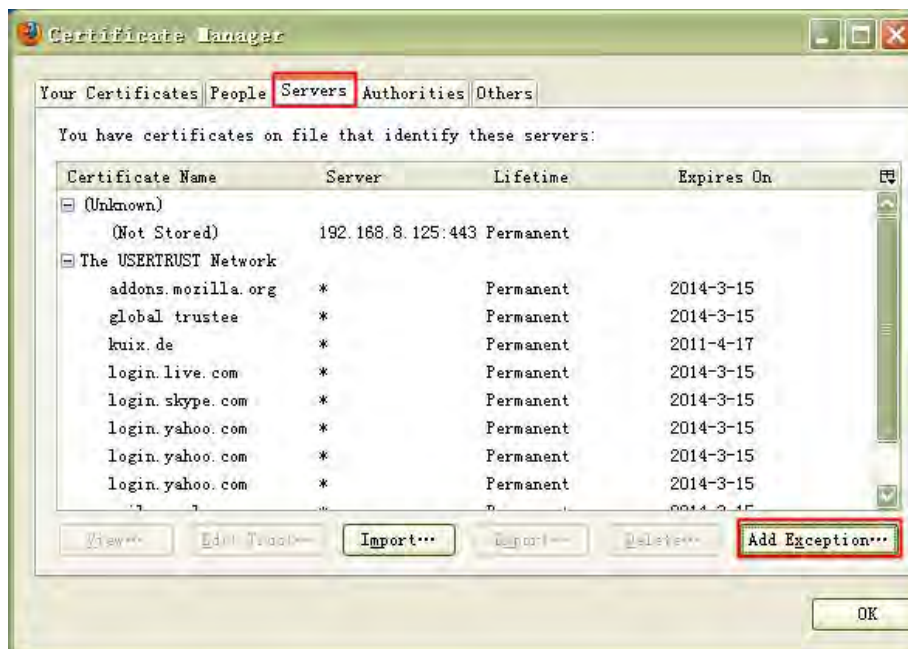


For **Firefox**, you can add the trusted as the following way:

Tools ---- Options ---- Advanced --- View Certificates --- Servers



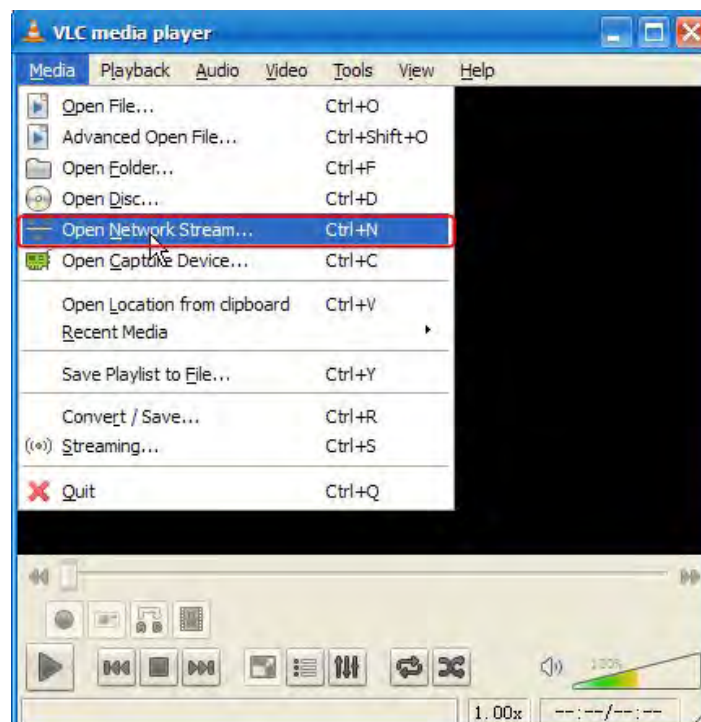
Click **View Certificates**, and go to **Servers** option.

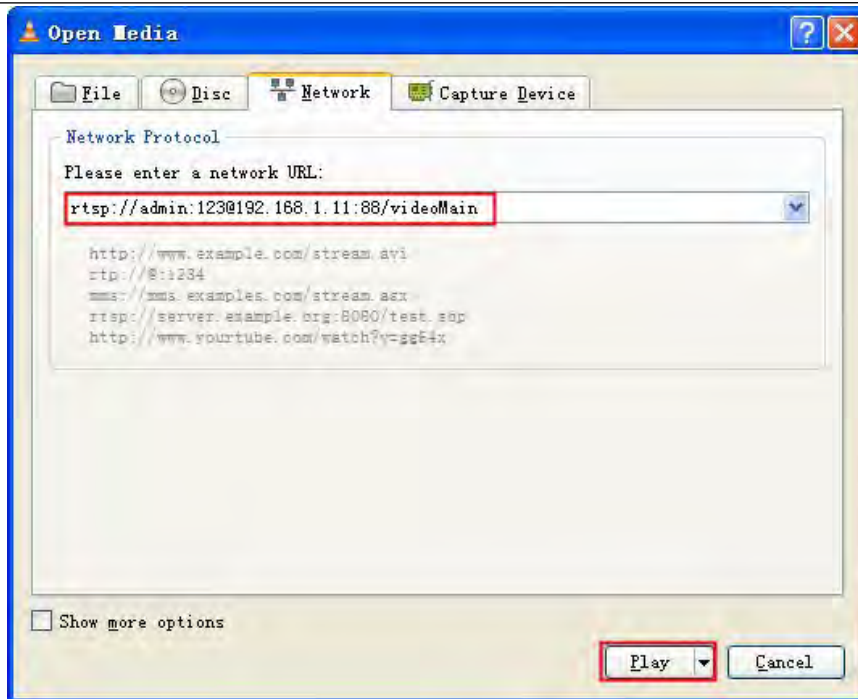


Go to **Add Exception** panel.



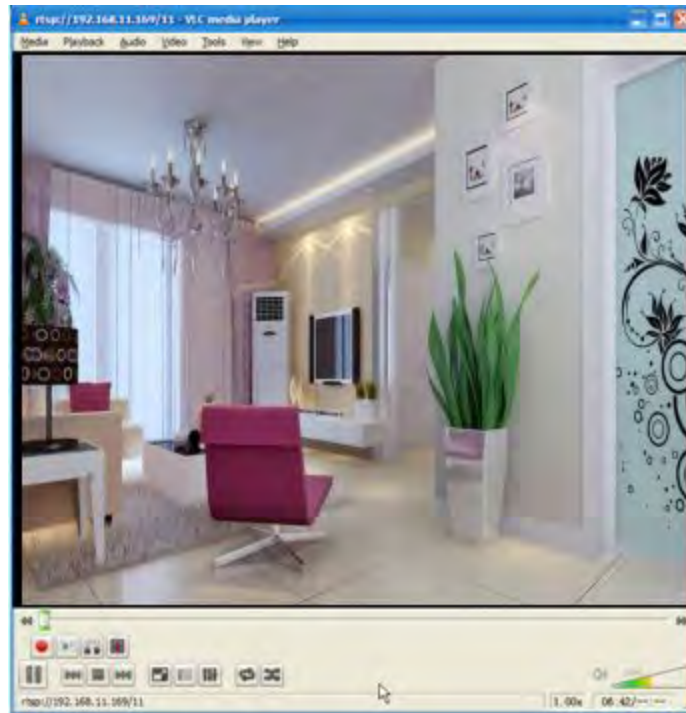
ONVIF Port: By default, the ONVIF port is set to 888. Also, they can be assigned with another port number between 1 and 65535(except 0 and 65534). But make sure they can not be conflict with other existing ports. Open the VLC, and go to Media(Open Network Stream option, then enter the URL into VLC.





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





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.

4.4.6 Mail Settings

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

The screenshot shows an SMTP configuration interface. At the top right, there are 'Save' and 'Refresh' buttons, with a red box and the number '5' around the 'Save' button. Below this is an 'Enable' checkbox. The main configuration area is divided into several sections:

- SMTP Server/Port/Transport Layer Security:** A red box labeled '1' encompasses the 'SMTP Server' (smtp.gmail.com), 'SMTP Port' (25), and 'Transport Layer Security' (STARTTLS) fields.
- SMTP Username/Password:** A red box labeled '2' encompasses the 'SMTP Username' (test123@gmai.com) and 'SMTP Password' (masked with dots) fields.
- Sender E-mail:** A red box labeled '3' encompasses the 'Sender E-mail' field (test123@gmai.com). A 'Test' button is also visible, with a red box and the number '6' around it.
- Receiver List:** A red box labeled '4' encompasses the 'First Receiver' (test@163.com), 'Second Receiver' (tset@hotmail.com), 'Third Receiver', and 'Fourth Receiver' fields.

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.

Save Refresh

Enable

SMTP Server: smtp.gmail.com
SMTP server address supports English, numbers and @ _ . -

SMTP Port: 25

Transport Layer Security: STARTTLS
G-Mail only supports TLS at Port 465 and STARTTLS at Port 587 or 25. Hotmail only supports STARTTLS at Port 587 or 25.

Need Authentication: Yes

SMTP Username: test123@gmai.com
The maximum length of the user name is 63, support numbers, letters and symbols @ _ . \$ * -

SMTP Password: [masked]
The maximum password length is 32, does not support the character & =

Sender E-mail: test123@gmai.com Test
Success Test result.

First Receiver: test@163.com
The maximum length of the receiver is 63, support numbers, letters and symbols @ _ . \$ * -

Second Receiver: tset@hotmail.com

Third Receiver: [empty]

Fourth Receiver: [empty]

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

4.4.7 FTP Settings

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

Save Refresh	
FTP Server	<input type="text" value="ftp://192.168.8.150"/> Example:ftp://192.168.1.103/dir The maximum length of the address is 127, does not support the character & =
Port	<input type="text" value="21"/>
FTP Mode	PORT
Username	<input type="text" value="yaocuixiang"/> The maximum length of the user name is 63, support numbers, letters and symbols _ @ \$ * - , . # !
Password	<input type="password" value="....."/> The maximum password length is 63, does not support the character & =
Test	Success

Save Refresh	
FTP server	<input type="text" value="ftp://ftp.mgenseal.com"/> example:ftp://192.168.1.103
Port	<input type="text" value="21"/>
FTP Mode	PORT
User name	<input type="text" value="deotestge"/>
Password	<input type="password" value="....."/>
Test	Success

FTP server: If your FTP server is located on the WLAN, you can set as Figure 3.49.

If you have an FTP server which you can access on the internet, you can set as Figure 3.50.

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.

4.4.8 P2P

Access the camera by smart phone (Android or iOS operating system)

First of all, you need to open the P2P function of the camera at "Settings-->Network-->P2P."



Search and install **Foscam Viewer** on Google Play and App Store for for Android and 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*.

4.4.9 Cloud Server

Cloud storage is a new concept derived from the concept "cloud computing". The function like trunked application, grid technology, or distributed file system is used to gather different types of storage devices on the network through application software for cooperative work. These storage devices constitute a system to provide external data storage and service access functions. This system is a cloud computing system that regards data storage and management as the core.

FosBaby supports the cloud storage function and allows users to upload captured images and videos to the MyIPCamera path.

NOTE: This function can be used only when an SD card is available.

If you have never registered a Baidu cloud disk, you need to register an account as prompted on the webpage first.

Cloud Server

Save Refresh

Enable cloud server

Status Information	<input type="text"/>
Operators	Dropbox Note: In order to use cloud storage feature, you have to insert SD card first.
Authorized Address	<input type="text" value="https://www.dropbox.com/10auth2/authorize?resp"/> Open Authorization page Please enter the authorization page, access authorization code, enter authorization code in the text box below.
Authorization Code	<input type="text" value="a57482f91960d0b6a4dc48f267eca8b0"/> Authorization and obtain access token
Access Token	<input type="text"/>
Quota Information	Query / update quota information
Total Capacity	0MB
Remaining Capacity	0MB
	Testing cloud services

4.5 Video

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

4.5.1 Video Settings

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

Video Settings

Main stream video settings

Stream Type	0
Resolution	720P
Bit Rate	2M
Frame Rate	30
Key Frame Interval	30

Sub stream video settings

Stream Type	0
Resolution	VGA(640*480)
Bit Rate	512K
Frame Rate	15
Key Frame Interval	45

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

Resolution: The camera supports two types: 720P, VGA. 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.

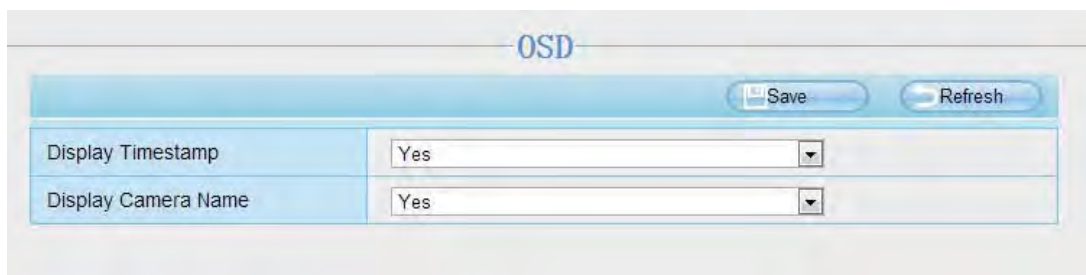
Bit Rate: Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video can not play well.

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.

4.5.2 On Screen Display

This page is used to add timestamp and device name on the video.



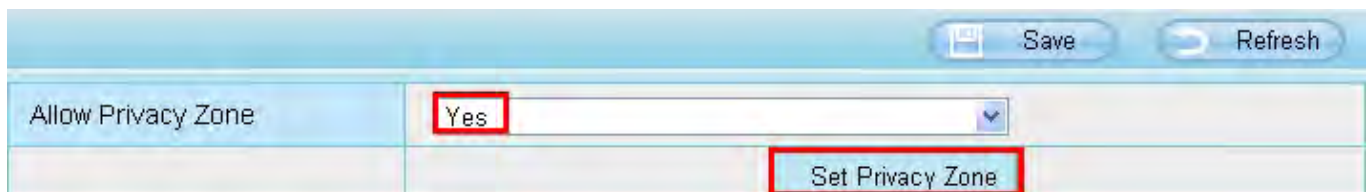
OSD	
Save Refresh	
Display Timestamp	Yes
Display Camera Name	Yes

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.

4.5.3 Privacy Zone

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



Save Refresh	
Allow Privacy Zone	Yes
Set Privacy Zone	

Allow On Screen Display Mask: There are two options: Yes or NO. Select yes and draw a mask area on the video, the mask area will be black on the video.



Click **OK** button and return to the OSD page, click Save to take effect.

Back to the surveillance window, you can see the mask area as the following picture:



4.5.4 Snapshot Settings

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

Image Quality	Medium
Alarm Pictures Save To	FTP
Enable timing to capture <input checked="" type="checkbox"/>	
Capture interval	2 (1-65535s)
<input type="button" value="Schedule"/>	
	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MON	
TUE	
WED	
THU	
FRI	
SAT	
SUN	

Image Quality: Low, Middle and High. The higher the quality, the picture will be clearer.

Save Path: FTP. If you have done FTP and Alarm settings, when alarming, the camera will snap pictures to the Shenzhen Foscam Intelligent Technology Co., Limited

FTP automatically.

Enable timing to capture

To enable capture interval, follow the steps below:

1 Select **Enable Motion detection**

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 anytime, the camera will capture.

- Specify an capture schedule

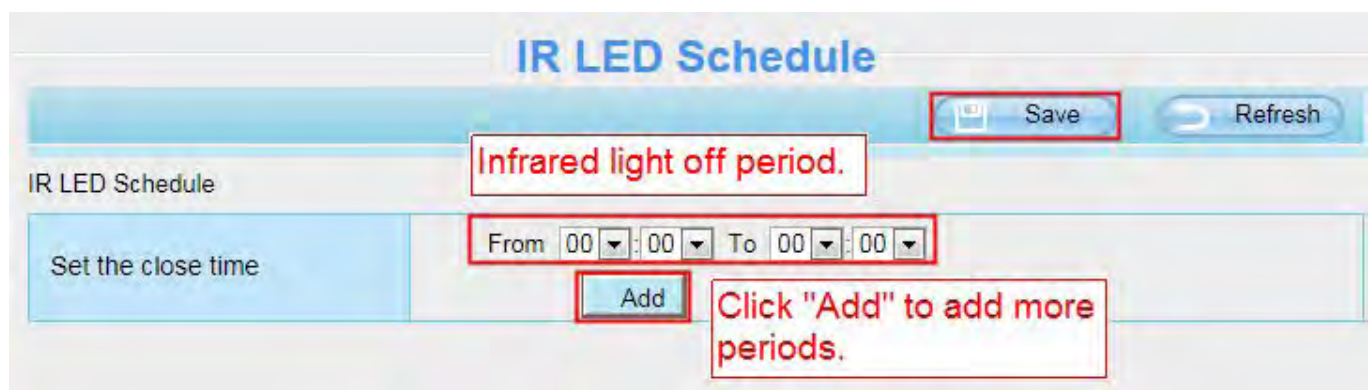
Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, the camera will capture.

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

4 Click **Save button** to take effect.

4.5.5 IR LED Schedule

You can set the period of time during which the infrared lamp is turned off to prevent your baby from being influenced during sleep. You can also turn off the infrared lamp on the video preview page at any time.



4.6 Detector

4.6.1 Motion Detection

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

Motion Detection

7 Save Refresh

1 Enable

Sensitivity Medium **2**

Triggered Interval 10s **3**

Action
 Camera Sound PC Sound
 Send E-mail
 Take Snapshot Time Interval 2s **4**
Please set the capture storage location in advance.
 Recording
Please set the video storage location in advance.

5 Set Detection Area

6 Schedule

All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MON																								
TUE																								

To enable motion detection, follow the steps below:

To enable motion detection, follow the steps below:

Step 01: Enable Motion detection

Step 02: 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 03: 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 04: Select the alarm indicators

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

Refresh	
Alarm Status	Detect alarm
Record Status	Recording
SD Card Status	SD card
SD Card Free Space	3.0G
SD Card Total Space	3.6G
NTP Status	Disable
DDNS Status	Success http://test09.myfoscam.org:88
UPnP Status	Success
WiFi Status	Connected to:foscam-wifi
IR LED Status	Off

There are four alarm indicators:

A Camera Sound

There is an embedded speaker inside the camera, so if you select Ring, when the motion has been detected, the people around the camera will hear beep alarm sound.

B PC Sound

Click it, when the alarm is triggered in FosBaby, your PC opportunity to sound the alarm.

C 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.

D Take Snapshot

If you select this check box, 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.

E Record

If you select this check-box, 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.

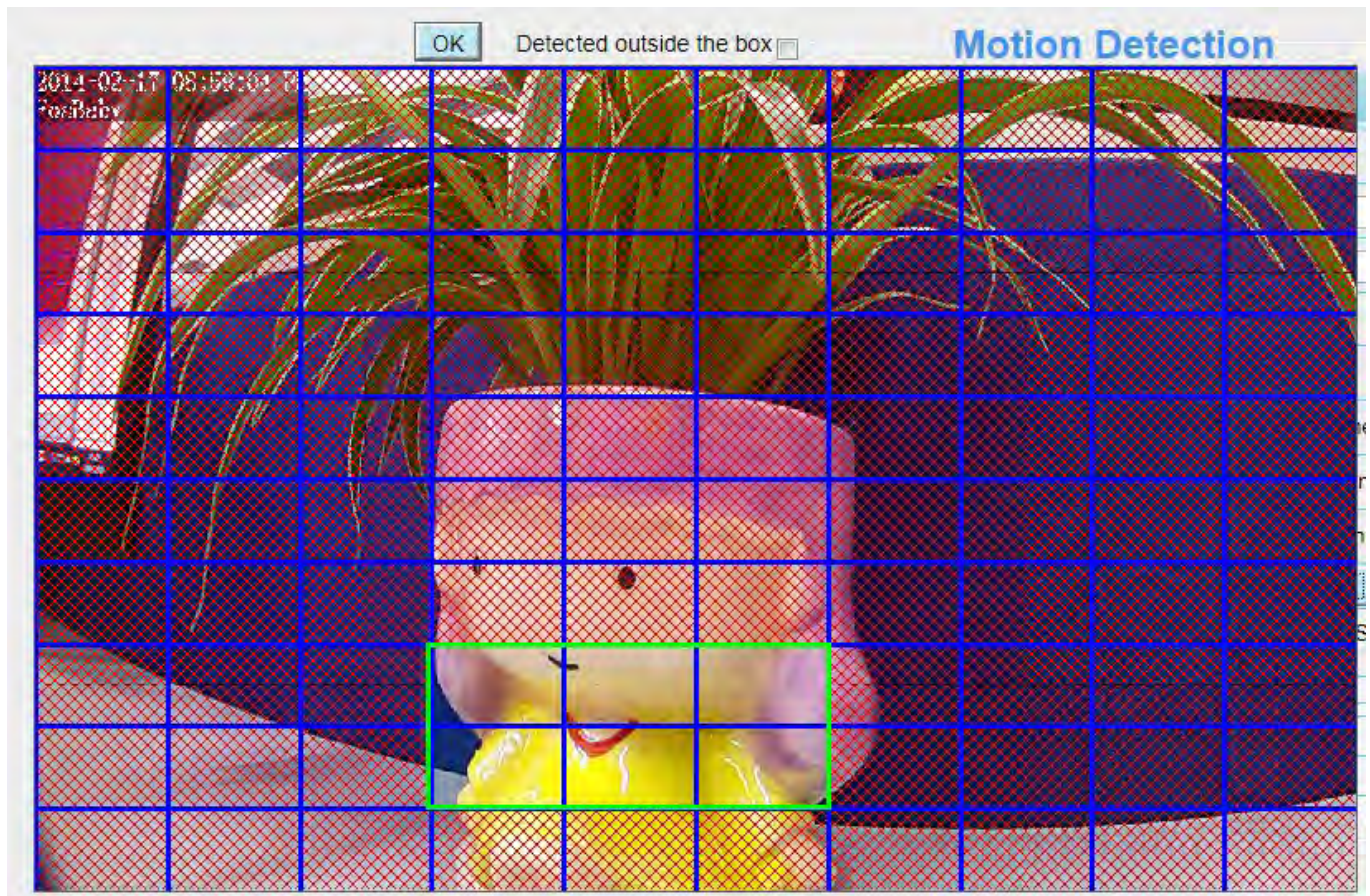
The default alarm record time is 30s and pre-alarm record time is 5s, please go to **Record—> Alarm Record** page and change the alarm time settings.

Step 05: Set detect area

Shenzhen Foscam Intelligent Technology Co., Limited

Tel: 86 755 2674 5668 Fax: 86 755 2674 5168

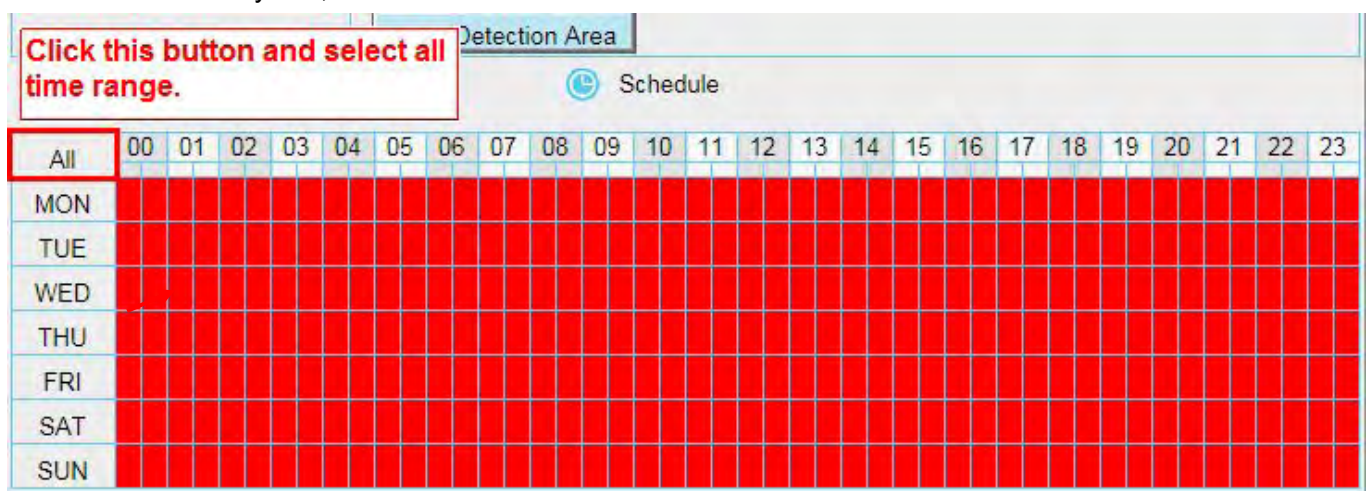
Click set detect area and it pop up a window, then you can draw the detection area. Click Back button after settings. When something moving in the detection area, the camera will alarm.



Step 06: 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 anytime, the camera will alarm.



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.

		Set Detection Area																							
		Schedule																							
All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MON																									
TUE																									
WED																									
THU																									
FRI																									
SAT																									
SUN																									

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

		Set Detection Area																							
		Schedule																							
All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MON																									
TUE																									
WED																									
THU																									
FRI																									
SAT																									
SUN																									

Step 07: 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.


4.6.2 Sound alarm

When the ambient sound over a certain decibel ,the sound alarm will be triggered.

Sound alarm

Enable

Sensitivity	High
Triggered Interval	5s
Action	<input type="checkbox"/> Camera Sound <input type="checkbox"/> PC Sound
	<input type="checkbox"/> Send E-mail
	<input type="checkbox"/> Take Snapshot Time Interval <input type="text" value="2s"/>
	Please set the capture storage location in advance.
	<input type="checkbox"/> Recording Please set the video storage location in advance.

 Schedule

All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MON																								
TUE																								
WED																								

The way to set is the same to set motion detection.

4.6.3 Temperature alarm

An alarm is triggered when the temperature exceeds the defined safe temperature range. The safe temperature range can be defined by you. However, the lower limit of the safe temperature range must be set to 0°C or higher, the upper limit must be set to 40°C or lower, and the upper limit shall at least be 5°C higher than the lower limit.

The screenshot shows the 'Temperature Detection' configuration page. On the left sidebar, the 'Detector' menu item is highlighted with a red box, and the 'Temperature Detection' sub-item is also highlighted with a red box. The main content area has a title 'Temperature Detection' and 'Save' and 'Refresh' buttons. Below the title, there is an 'Enable' checkbox which is checked. The 'Temperature alarm trigger range' is set to 20 ~ 40 °C. The 'Triggered Interval' is set to 5s. Under the 'Action' section, there are checkboxes for 'Camera Sound', 'PC Sound', 'Send E-mail', 'Take Snapshot', and 'Recording'. The 'Time Interval' for snapshots is set to 2s. There are instructions to 'Please set the capture storage location in advance' and 'Please set the video storage location in advance'. At the bottom, there is a 'Schedule' section with a table for scheduling the detection.

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
All																								
MON																								
TUE																								

The way to set is the same to set motion detection.

4.7 Record

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

4.7.1 Storage Location

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

The screenshot shows the 'Storage Location' configuration page. It has 'Save' and 'Refresh' buttons at the top. The 'Recording Location' dropdown menu is open, showing four options: 'SD card and cloud', 'SD card', 'FTP', and 'SD card and cloud'. The 'SD card and cloud' option is highlighted with a blue background and a red box. Below the dropdown, there is a 'Local Recording Location' field with a 'Browse' button next to it.

Alarm Recording Location : SD card, FTP, SD card and cloud.

Check "SD card" : The video will be saved in SD card. **Make sure the camera has been inserted the SD card.**

On this page, you can see the available space of the SD card.

Check "FTP" : The video will be saved in FTP. Please refer to "4.3.7 FTP settings."

Check "SD card and cloud" : The video will be saved in SD card and cloud server the same time.

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

4.7.2 Alarm Recording

Alarm Recording		Save	Refresh
Enable Pre-Record	<input checked="" type="checkbox"/>		
Pre-recorded Time	5s		
Alarm Record Time	30s		

4.7.3 Local Alarm Recording

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

Local Alarm Recording		Save	Refresh
Enable Local Alarm Recording	<input checked="" type="checkbox"/>		
Local Alarm Recording Time	30s		

4.7.4 Scheduled Recording


When the video is selected as FTP, the device supports scheduled recording.

Storage Location		Save	Refresh
Recording Location	FTP		
Local Recording Location	c:\IPCamRecord	Browse	

Scheduled Recording To FTP

Enable Scheduled Recording

Stream:

 Edit Scheduled Recording

All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MON																								
TUE																								
WED																								
THU																								
FRI																								
SAT																								
SUN																								

When the video is selected as SD card, the device supports pumping frame recording.

Storage Location

Recording Location: 372.2 MB / 7.4 GB

Local Recording Location:

Scheduled Recording To SD Card

Enable Scheduled Recording

Enable Long-time recording	No
Record frame	30
Record full strategy	Cover
Audio Record	No
Stream	Main stream

All	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MON																								
TUE																								
WED																								
THU																								
FRI																								

Record frame: There are six frame selections, such as 1/30, 4/30, 8/30, 15/30, 24/30, 30/30. Recommended default is 4/30. The greater the Frame rate is, the sharper picture quality is, and the greater of storage space is, the shorter the storage time is.

Record full strategy: When the SD card is full, you can choose to cover the previous recording, or stop recording.

Audio Record: You can choose "yes" or "no".

NOTES:

- Scheduled recording only supports video saved to the SD card or FTP server.
- The schedule recording will stop while alarm recording is beginning ,and it will continue automatically after alarm recording end.
- You can refer to "alarm schedule." in " 4.5 Alarm" about editing the time of recording Schedule.

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

Device Status	
Alarm Status	No alarm
Recording Status	Not Recording
SD Card Status	SD card
SD Card Free Space	372.2MB
SD Card Total Space	7.4GB
NTP Status	Failed
DDNS Status	Failed
UPnP Status	Disabled
WiFi Status	Connected to:FOSCAM-docdev
IR LED Status	Off

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.

4.8 Nursery Rhymes

The only nursery rhyme on the machine and the wav-format nursery rhyme of a specified coding mode in the SD card can be played (two nursery rhymes is stored in the Flash for playing when no SD card is available). Simple playing control is available: Play/stop, previous/next song, in-order playing, circular playing of a single song, circular playing of all songs, and volume control (on the lower part of the video preview page).



Two ways are available for storing the wav-format rhyme into an SD card:

1. Remove the SD card from the machine, connect the SD card to the computer using a card reader, and import songs to the card.
2. Insert the SD card into the machine and import songs on the SD card management page.

Note: Import songs to the SD card and insert the SD card into the camera. If you restart the camera, the songs can be played directly. If you do not restart the camera, you must click the **Synchronize** button on the **Real-time preview** page to play the songs.



4.9 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**.

The screenshot shows the 'IP Filtering' configuration page. At the top, there are 'Save' and 'Refresh' buttons. Below them is an 'Enable Firewall' checkbox which is checked. A dropdown menu is open, showing two options: 'Block access from these IP addresses' (which is highlighted) and 'Only allow access from these IP addresses'. Below the dropdown is a table with 8 rows, each labeled 'IP Address #1' through 'IP Address #8'. Each row has an empty text input field for entering an IP address.

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.

4.10 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.

4.10.1 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.

Back-up & Restore

Backup is used to save your current settings. It is recommended to backup your configuration before modifying or upgrading firmware.

Settings can be restored by uploading the backup file.

Path:

4.10.2 System Upgrade

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

- Setup Wizard
- Status
- Basic Settings
- Network
- Video
- Detector
- Record
- Nursery Rhymes
- Firewall
- System
- Back-up & Restore
- System Upgrade

System Upgrade


Current Firmware Version: 2.22.1.10

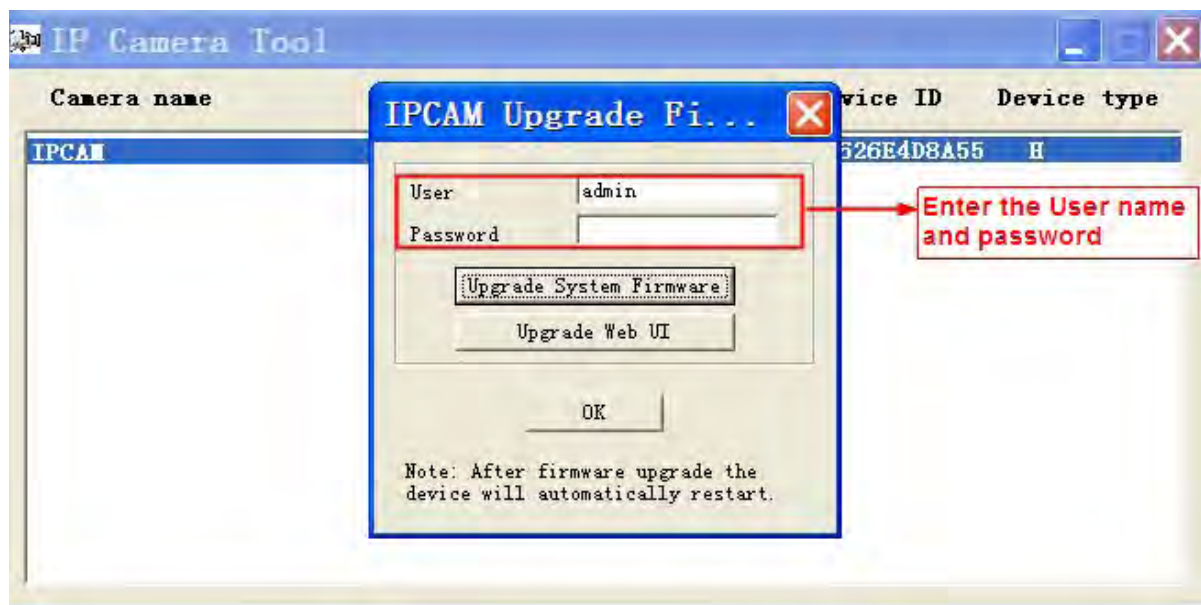
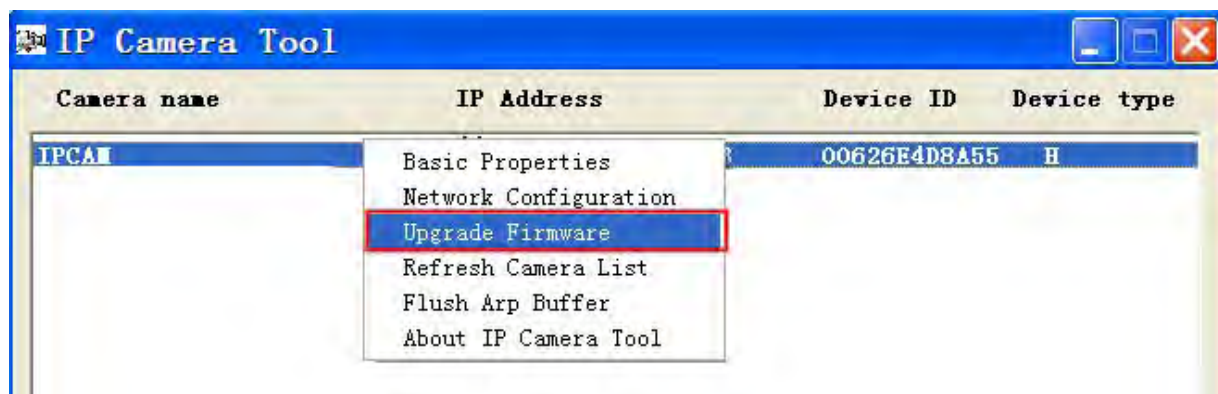
Upgrade Result

Your Camera will reboot during the firmware upgrade.

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.



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:

Before upgrading 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 be failed.

Please ensure you have downloaded the correct firmware package for your camera before upgrading. Read the upgrade documentation in the upgrade package before you upgrade.

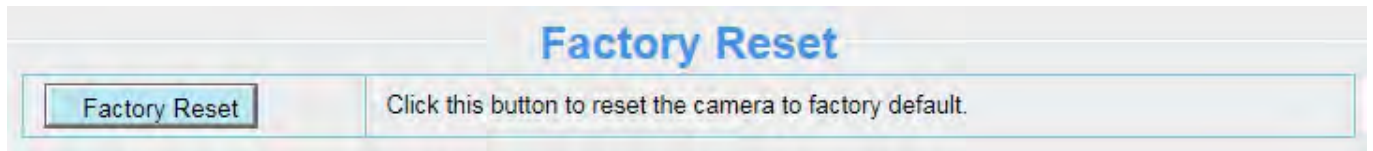
Upon downloading the firmware, check the sizes of the bin files. They must match the size in the read me.txt file. If not, please download the firmware again until the sizes are the same. Your camera will not function correctly if a corrupt .bin file is used.

Normally, only Device WEB UI needs to be upgraded, please do not try to upgrade the Device System Firmware.

- 1) Never shut down the power of the camera during upgrade until the IP camera restarts and gets connected.
- 2) After upgrading successfully, please uninstall the old plugin and re-install it, then reset the camera to the default factory settings before using the camera.

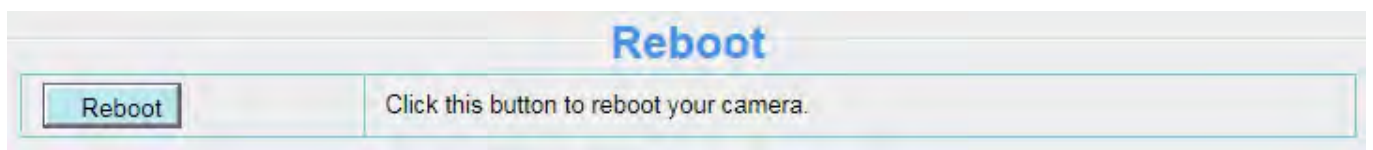
4.10.3 Factory Reset

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.



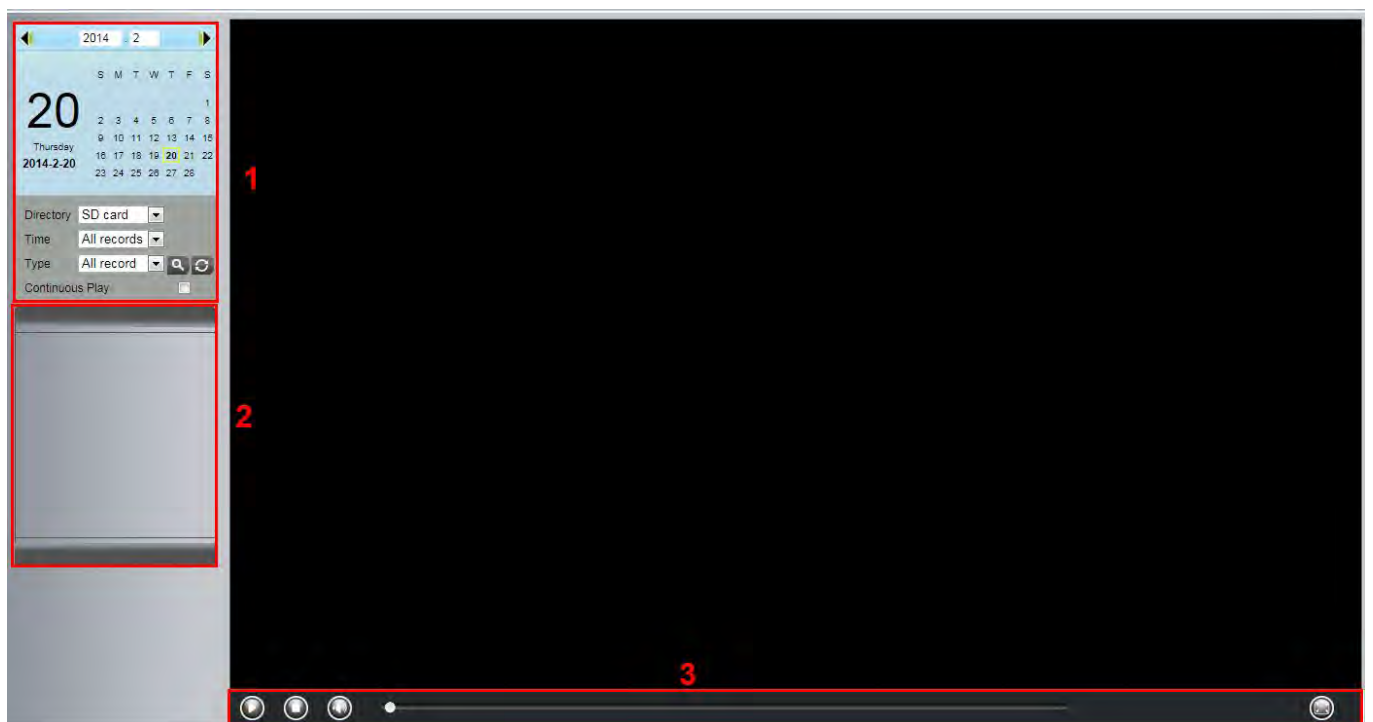
4.10.4 Reboot

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



5 Playback

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



Section 1 Define the Record files time and Type

Directory : The storage path of record files

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



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



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

Section 2 Search record files

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

Section 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.

6 Appendix

6.1 Frequently Asked Questions

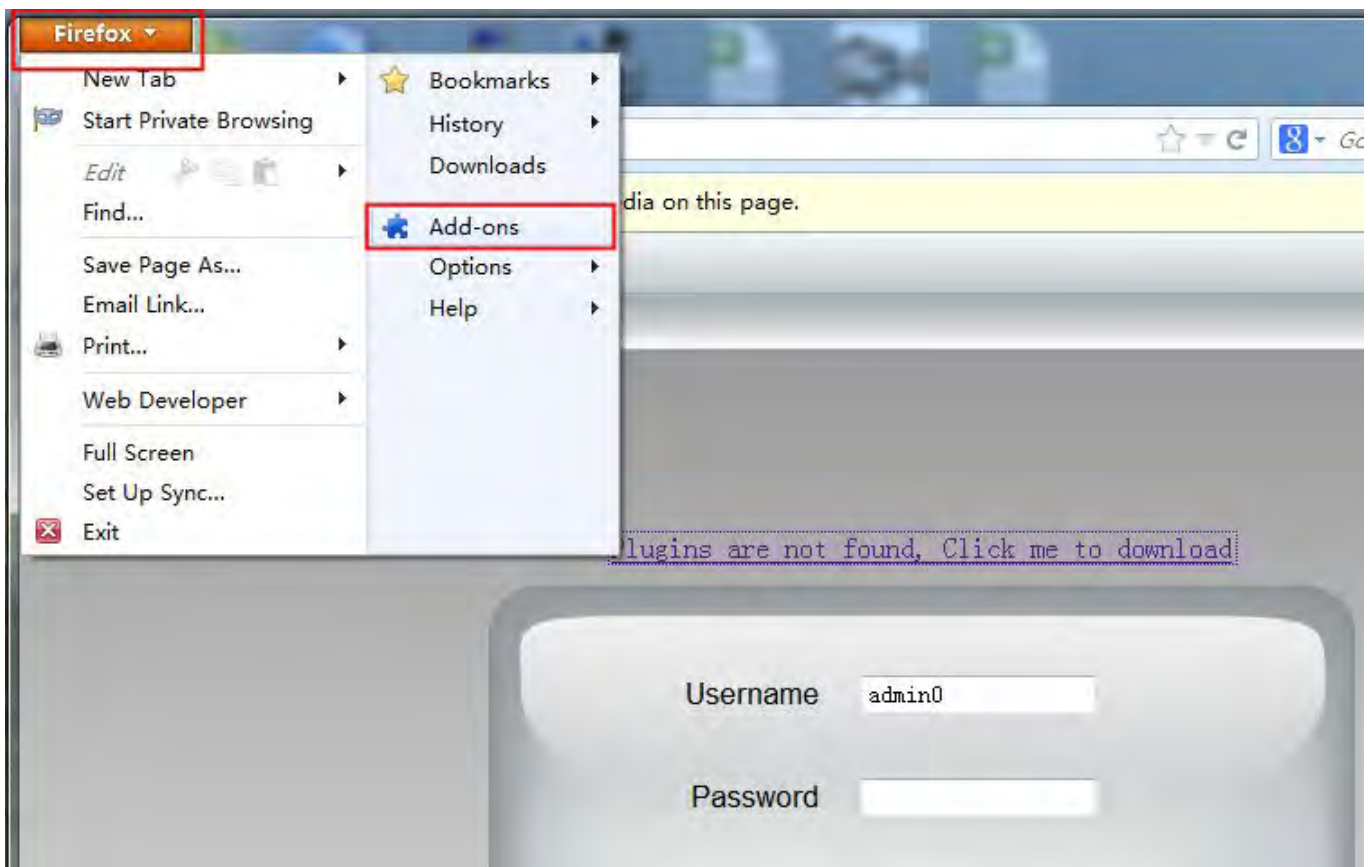
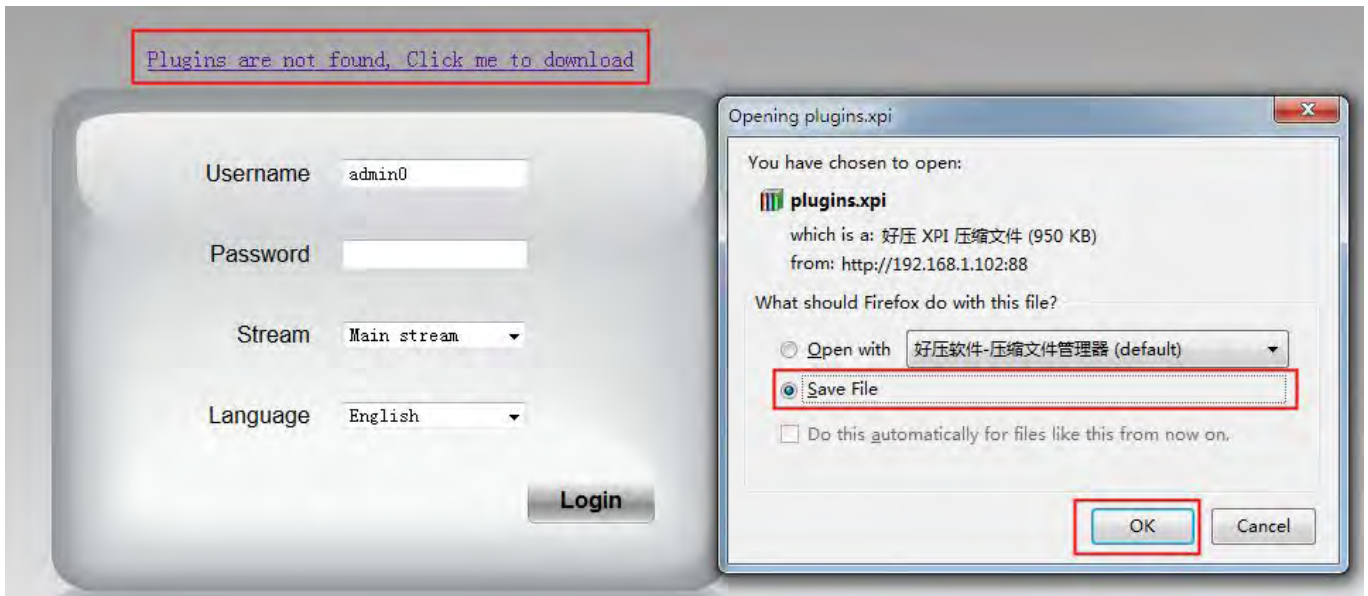
NOTE: Any questions you would meet, please check Network connections firstly. Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

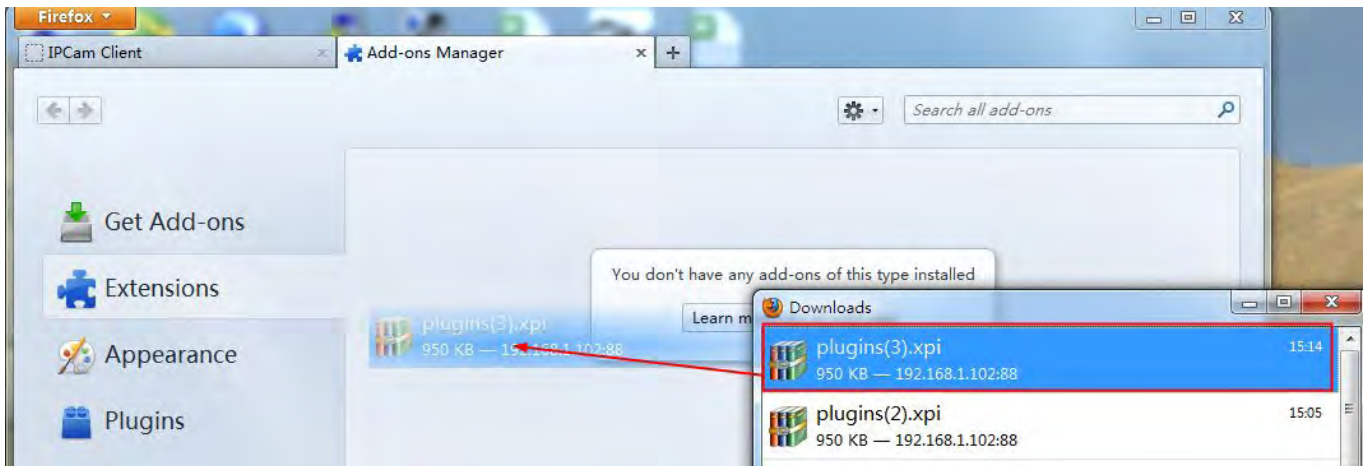
6.1.1 Install and uninstall the ActiveX of Firefox browser.

6.1.1.1 Install the ActiveX of Firefox browser

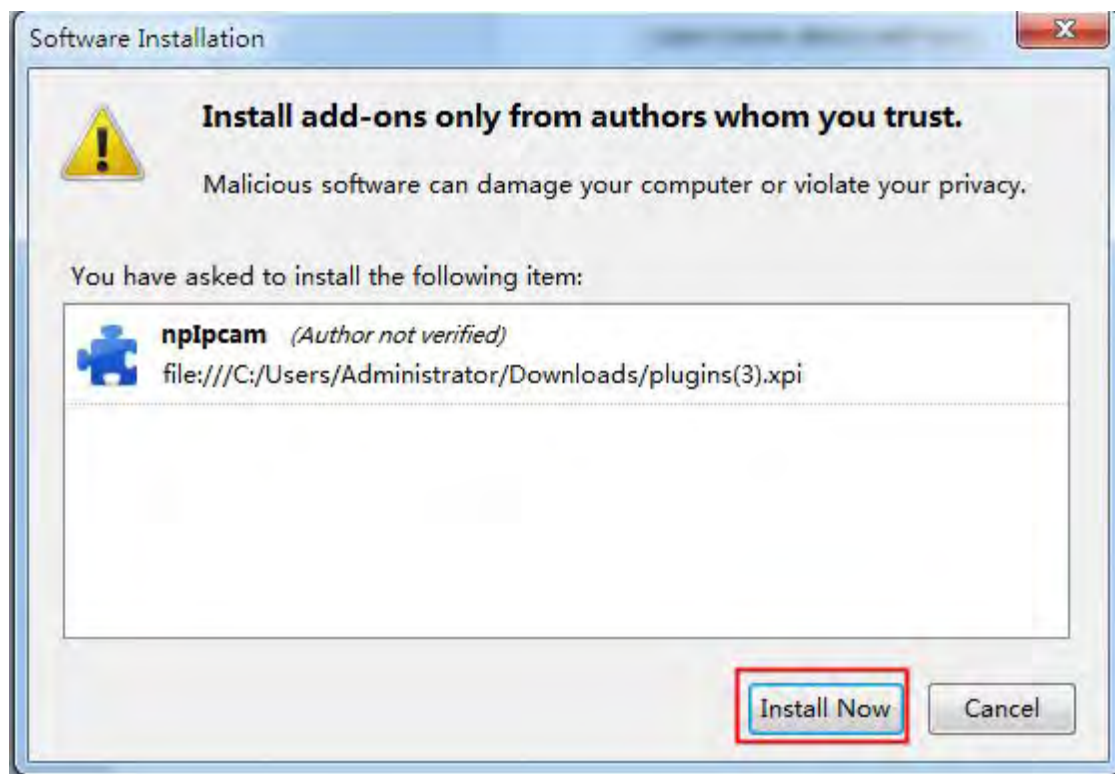
For the first time login the camera, it may prompt you to download plugin.








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



Reboot the Firefox after the plugin installation is successfully completely, then relogin the camera again, you can see the surveillance window

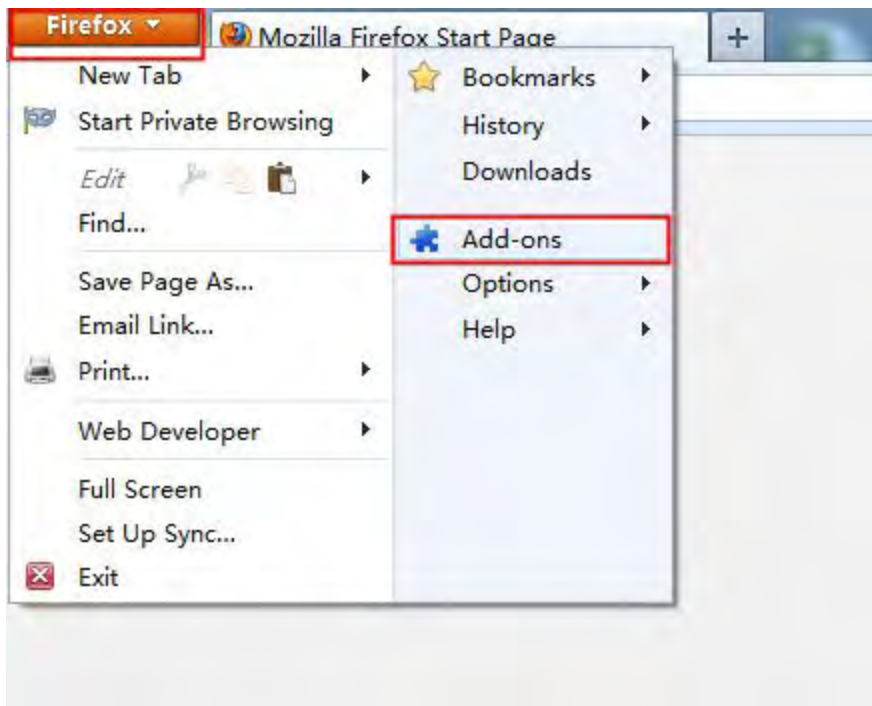
NOTE: If you could not view living video after running the ActiveX, only a red cross  in the center of the video or just a black screen. Please change another port number to try.

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.

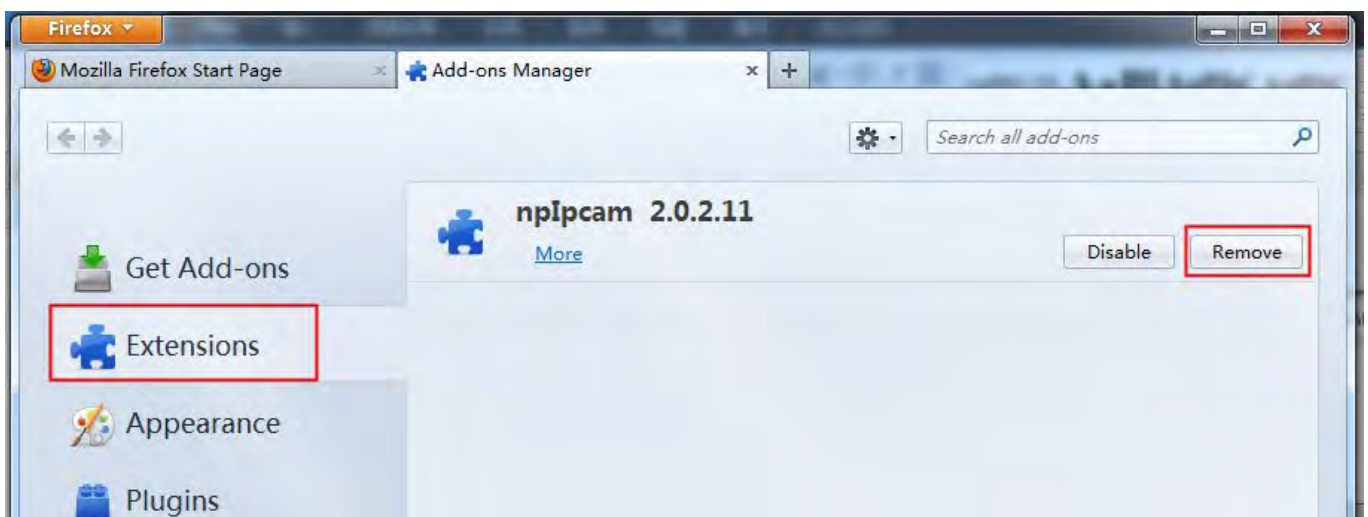
6.1.1.2 Uninstall the ActiveX of Firefox browser.

After upgrading the camera's software version, in order to experience the new version better, you may need to uninstall the old ActiveX before, and then install a new one. TO uninstall the old ActiveX, you could do as follows:

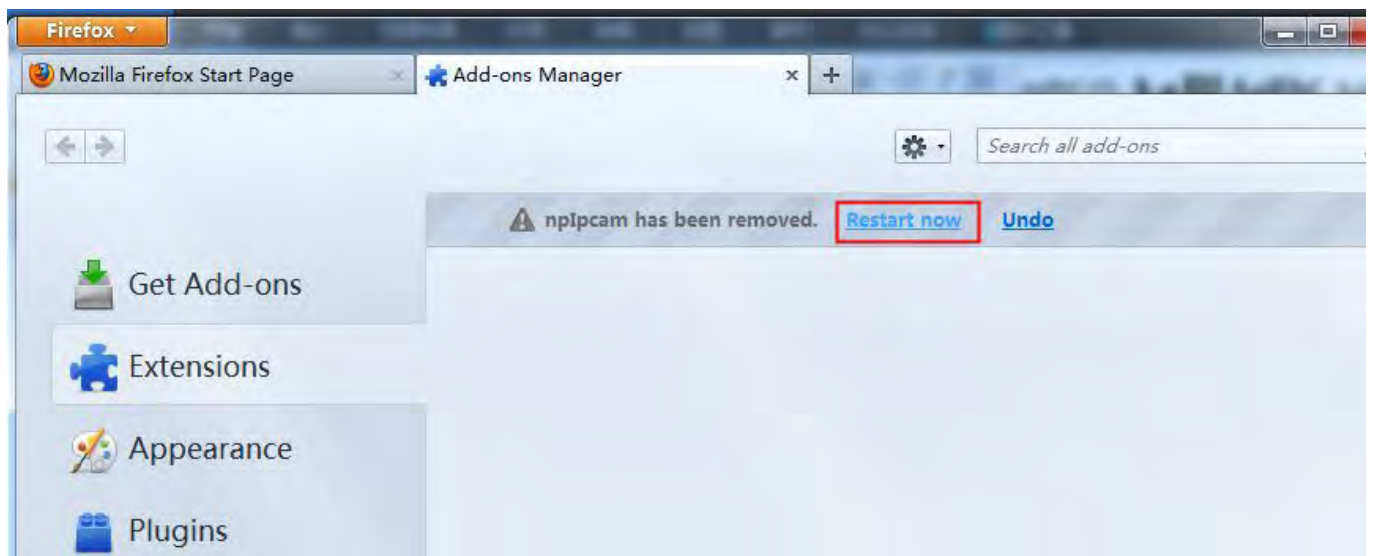
1. Click on the top left of the Firefox browser menu bar, and then click "Add-ons".



2. Click "Remove".



3. After the ActiveX is removed, click "Restart now".



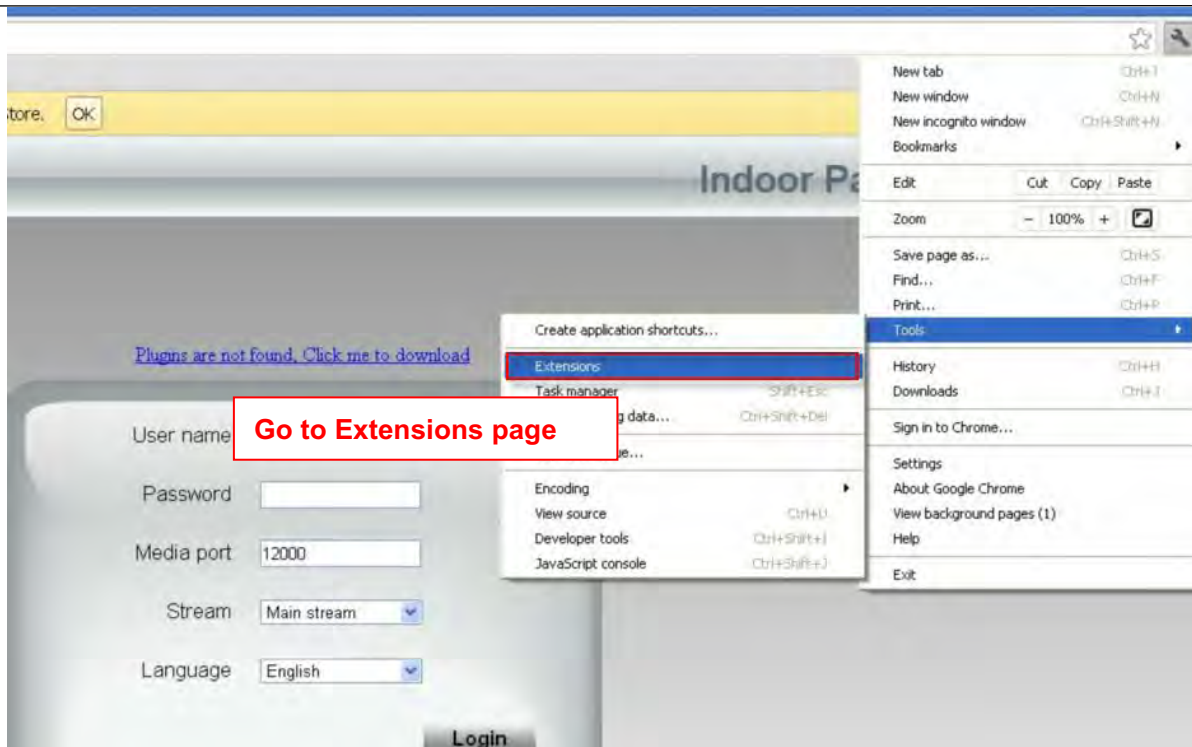
6.1.2 Install and uninstall the ActiveX of Google browser

6.1.2.1 Install the ActiveX of Google browser.

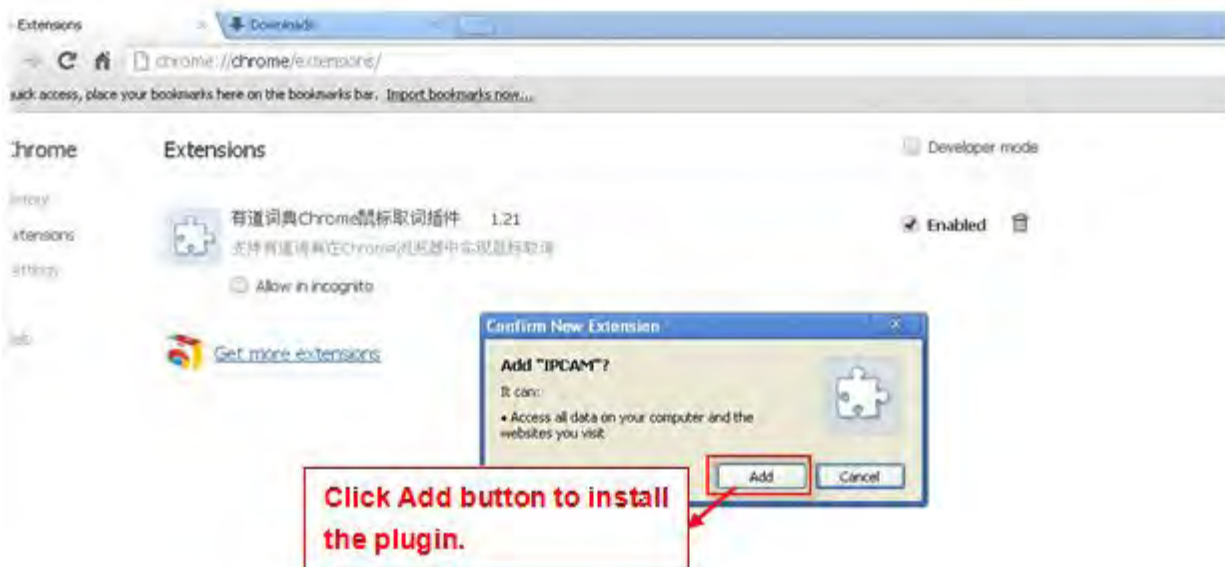
For the first time login the camera, it will prompt you to download the ActiveX.



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



Click Add button to install the Plugins.



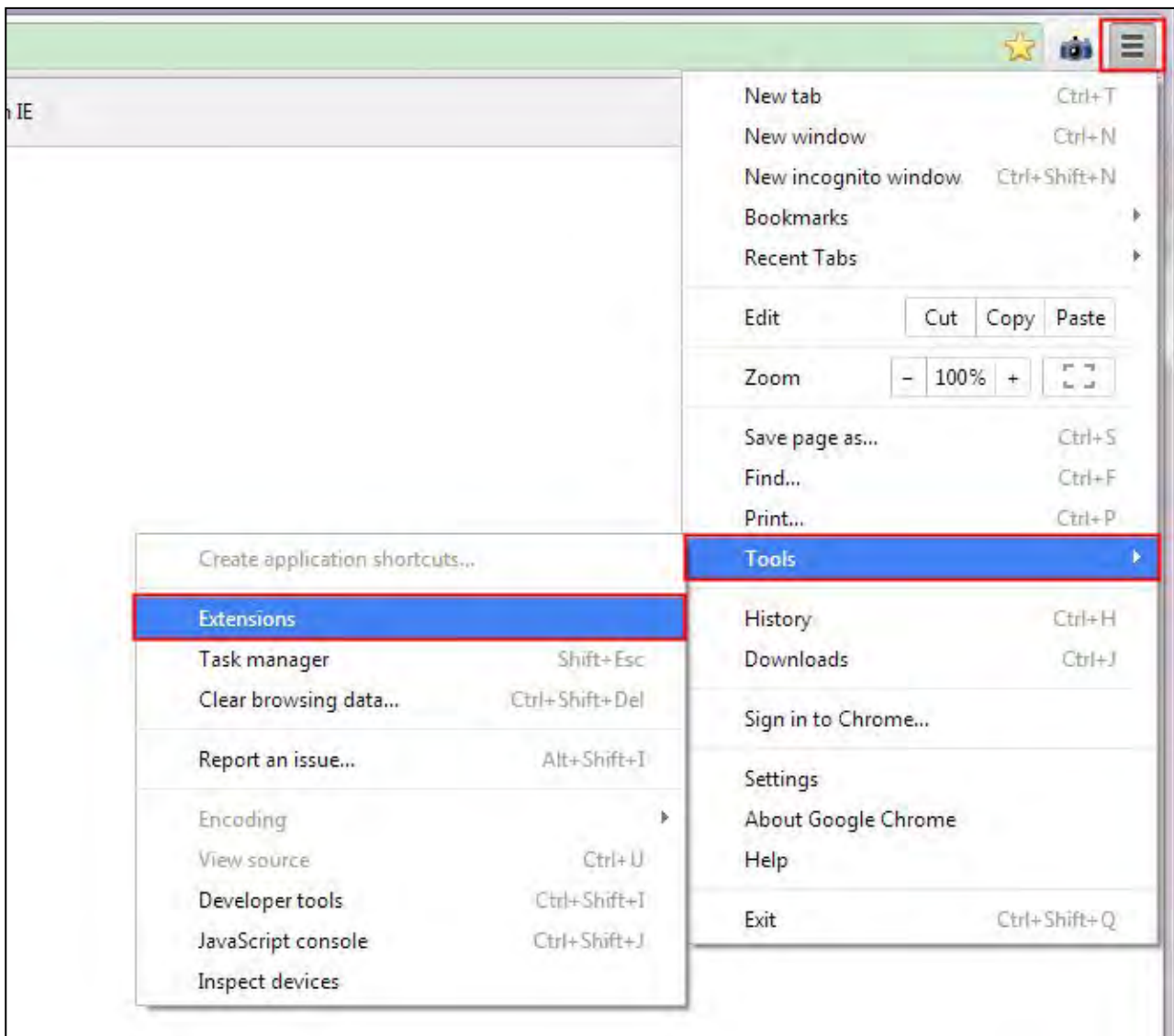
Reboot the browser and login the camera again, you will see the surveillance window.

6.1.2.2 Uninstall the ActiveX of Google browser.

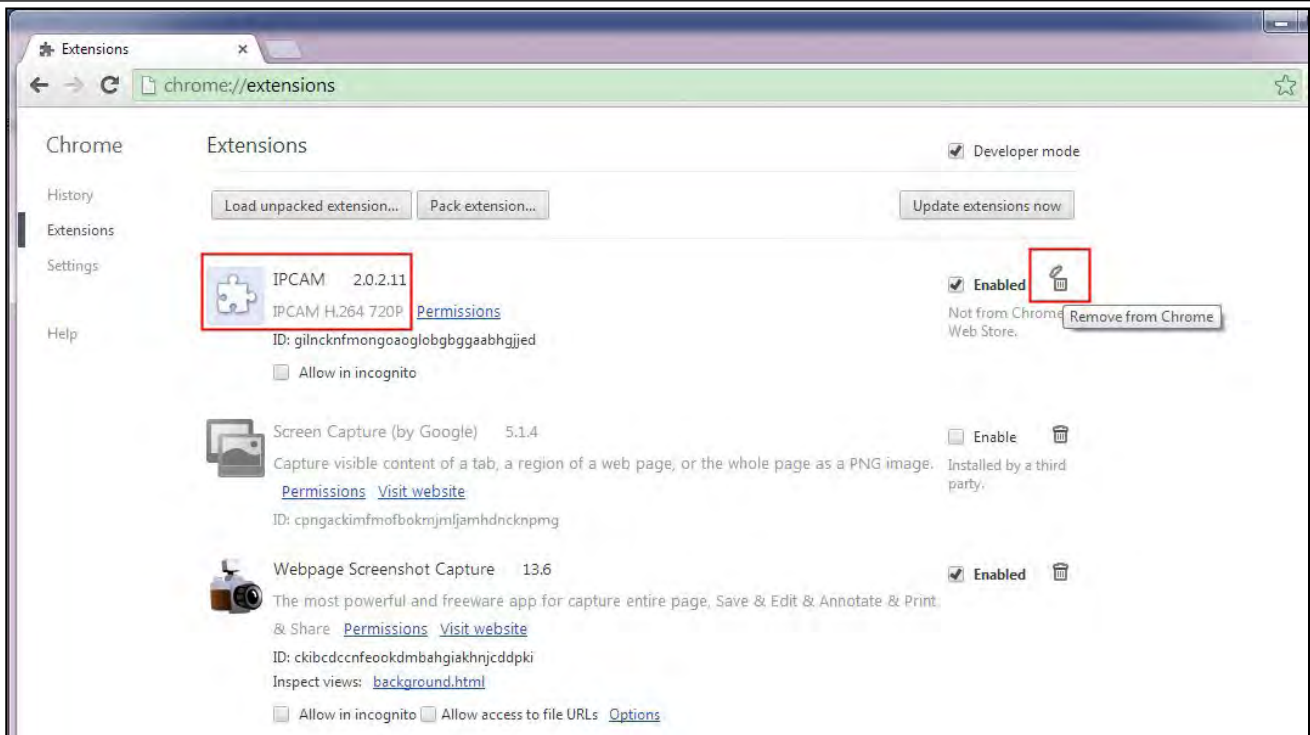
After upgrading the camera's software version, in order to experience the new version better, you may need to uninstall the old ActiveX before, and then install a new one. TO uninstall the old ActiveX, you could do as follows:

1. Click on the top right corner of the Google browser menu bar, it will pop-up the drop-down menu, then click

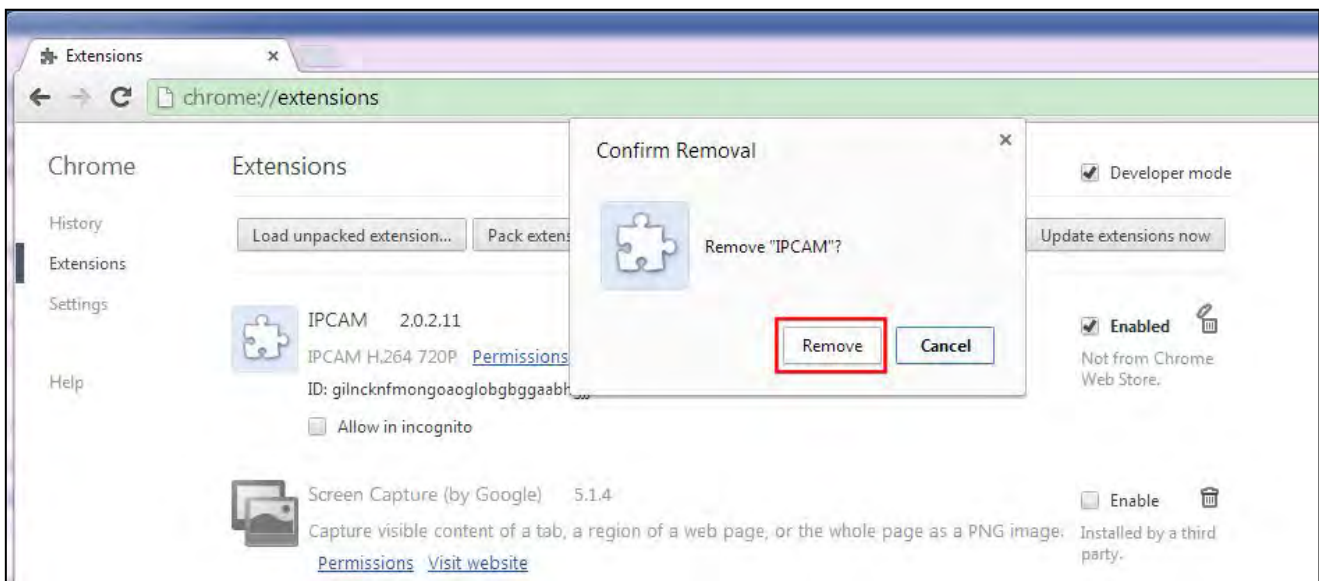
"Tools" -->"Extensions".



2. Select " IPCAM ", and click the trash canon on the right side.



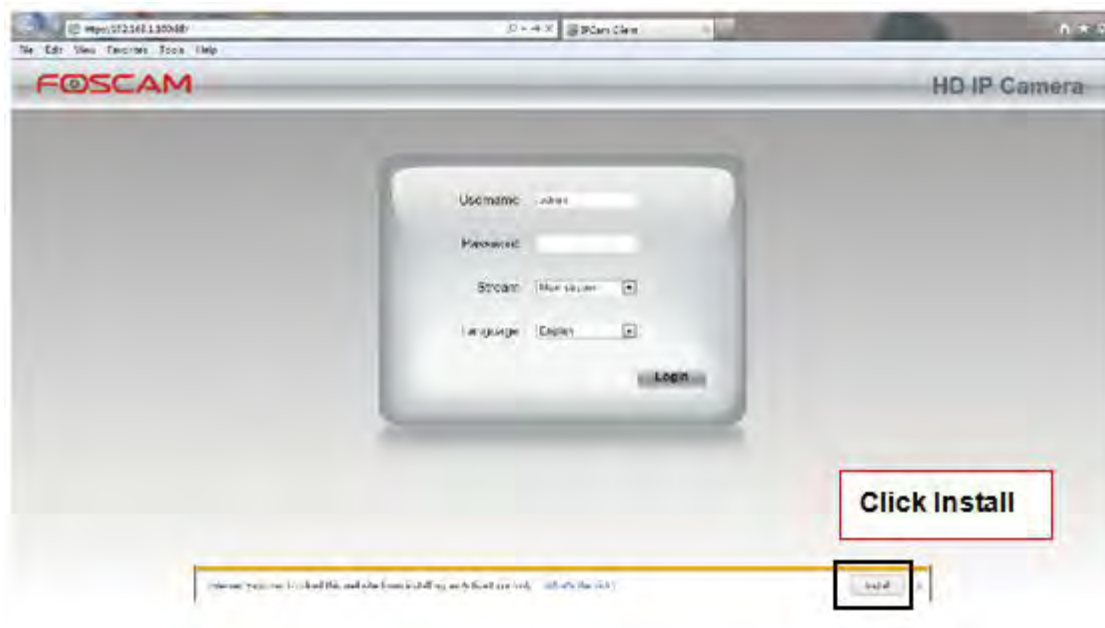
3. Click "Remove", then restart the browser.



6.1.3 Install and Uninstall the ActiveX of IE browser.

When logging in for the first time, you need to download and install the ActiveX add-on.

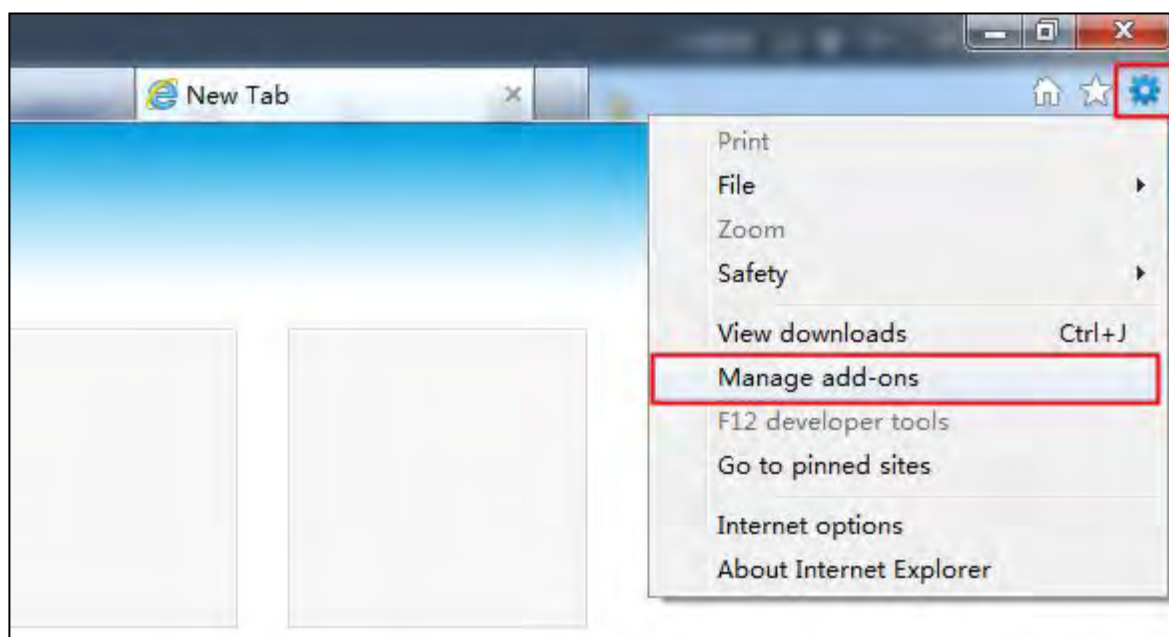
6.1.3.1 Install the ActiveX of IE browser.



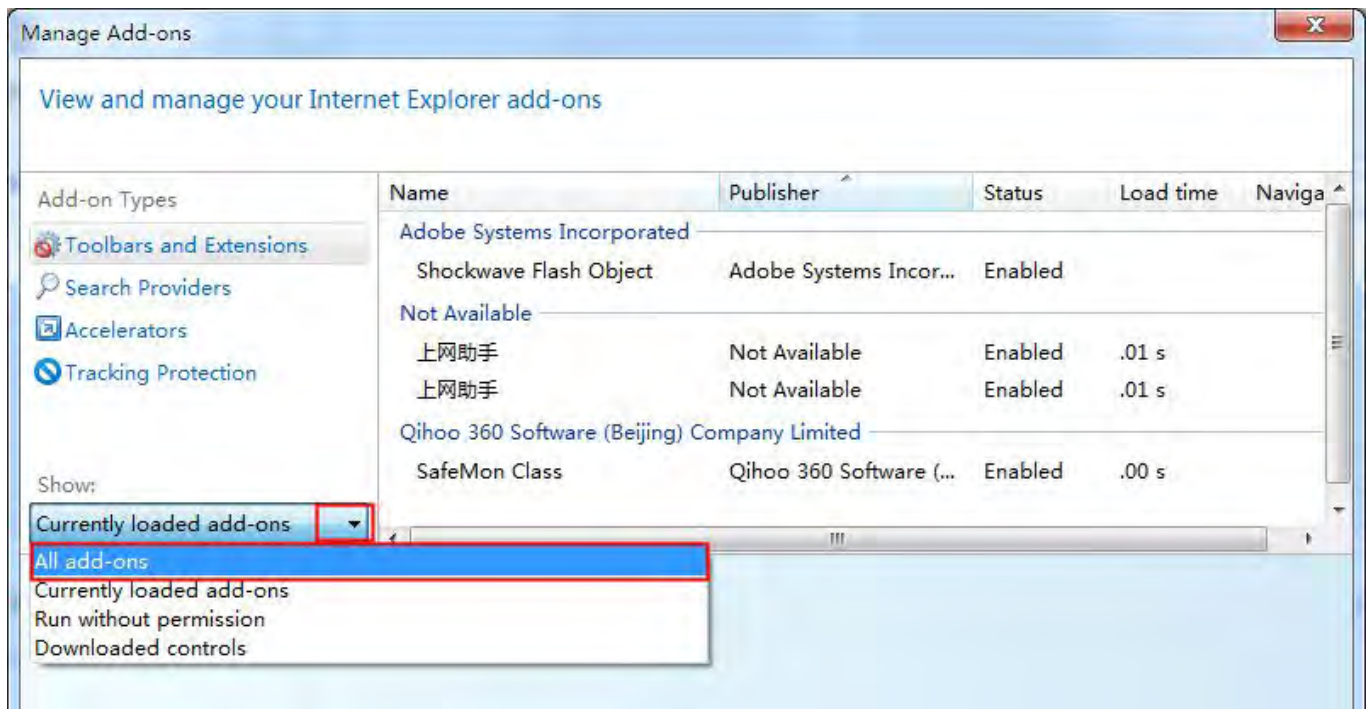
6.1.3.2 Uninstall the ActiveX of IE browser.

After upgrading the camera's software version, in order to experience the new version better, you may need to uninstall the old ActiveX before, and then install a new one. TO uninstall the old ActiveX, you could do as follows:

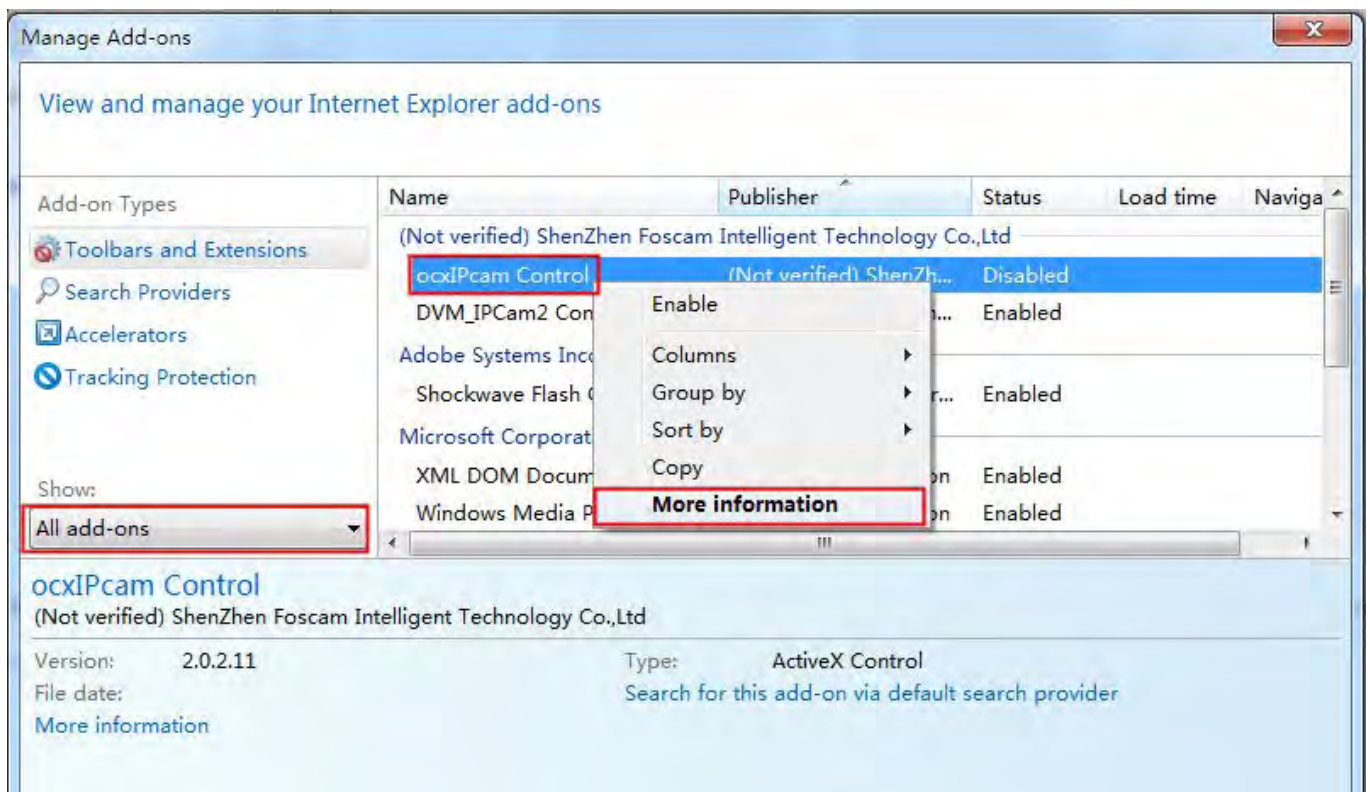
1. Close the IE browser, and then re-open it, making sure the IE does not load ActiveX (The IE browser will automatically load the ActiveX when using it to open the IPC website.)
2. Click the settings icon in the top right of the IE browser, find and click "Manage add-ons."



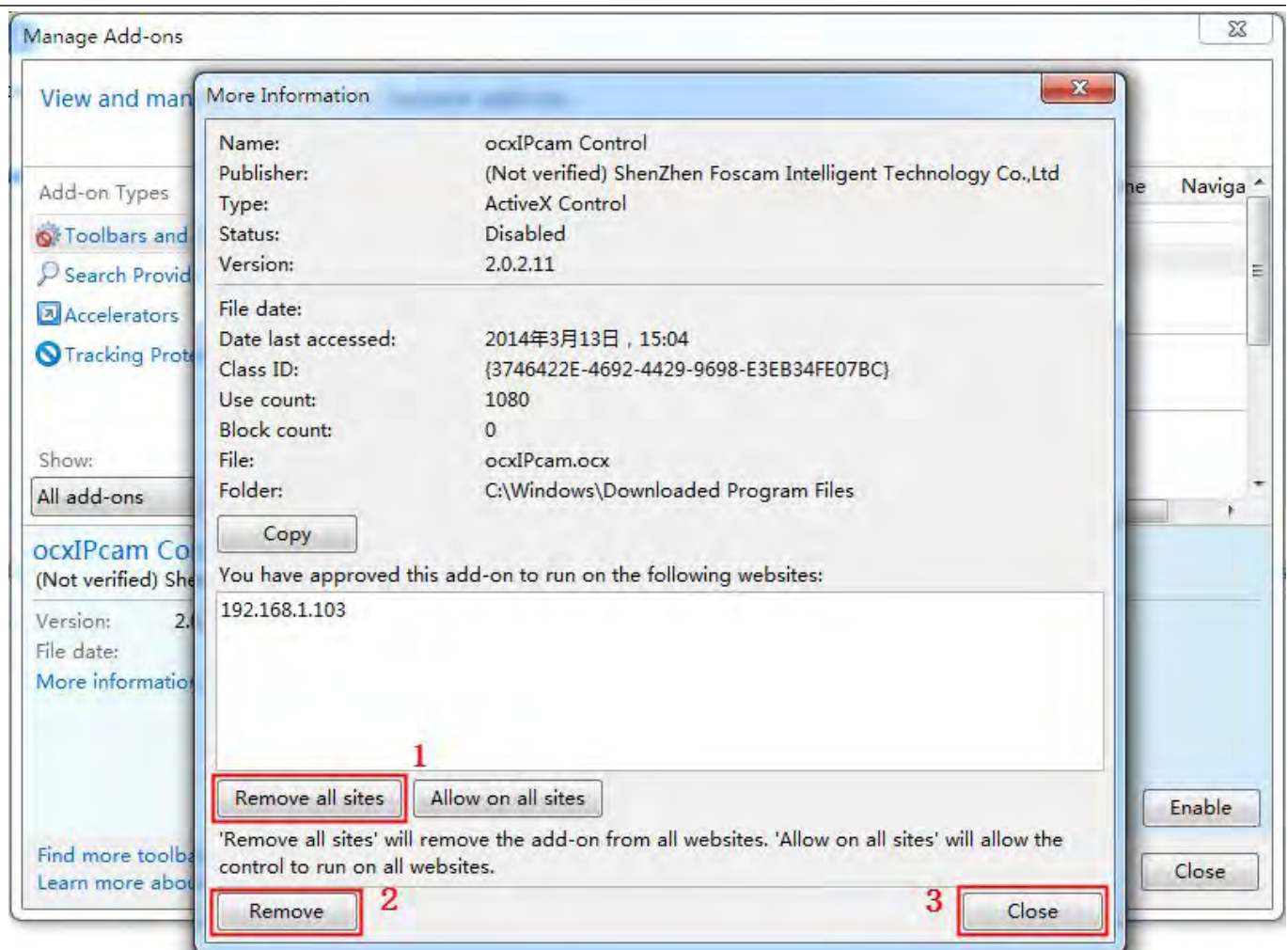
3. Click “All add-ons”.



4. Click “ocxIPcam Control”, then Right-click, select “More information” (or double-click “ocxIPcam Control”).



5. Click “Remove all sites—> Remove—>Close”. Then restart the IE browser.



6.1.4 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

6.1.5 Camera can not record

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

Open IE browser, then right click, select "Run as administrator"

6.1.6 Subnet does not 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**. 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.

6.1.7 No Pictures Problems

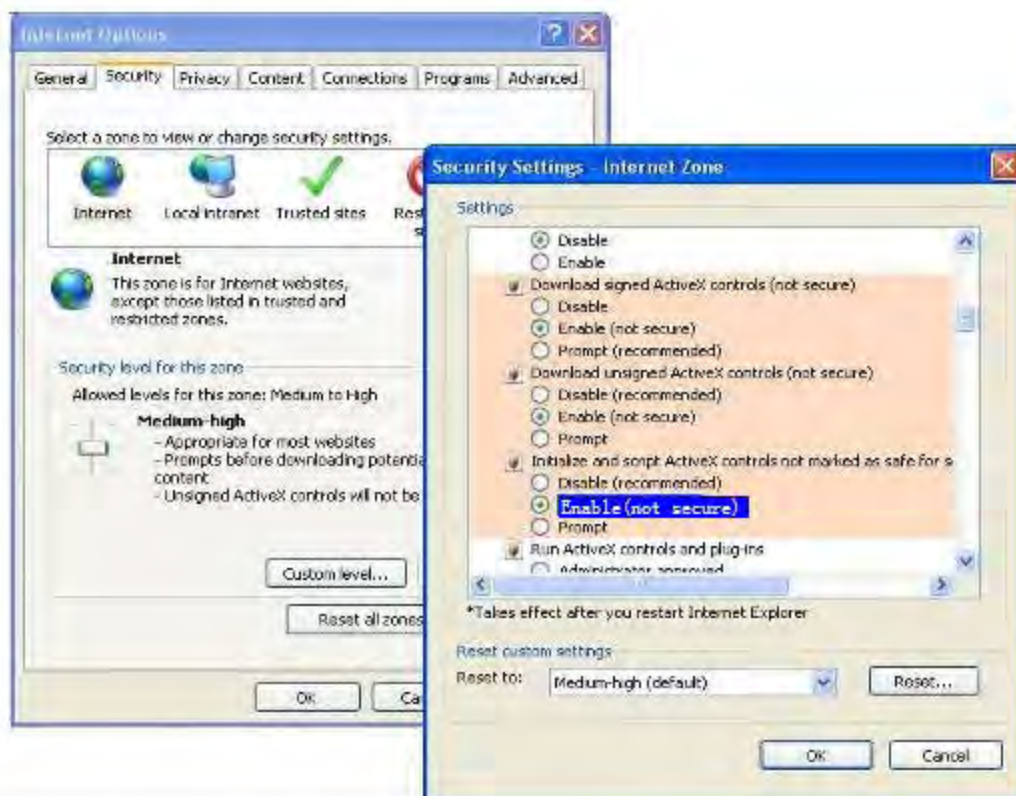
The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. You can resolve this problem by this way:

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



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.

		Save	Refresh
HTTP Port	<input type="text" value="88"/>		
HTTPS Port	<input type="text" value="443"/>		
ONVIF Port	<input type="text" value="888"/>		

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

6.1.8 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.

6.1.9 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.

6.1.10 Camera can not 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.

6.1.11 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 IP. (For more details see: How to add cameras in WAN)

6.2 Default Parameters

Default network Parameters

IP address: obtain dynamically

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Subnet mask: obtain dynamically

Gateway: obtain dynamically

DDNS: Embedded FOSCAM domain name

Username and password

Default admin username: admin with a blank password

6.3 Specifications

Image Sensor	Sensor	High Definition Color CMOS Sensor
	Display Resolution	1.0MegaPixels(1280*720)
	Min. Illumination	0Lux
Lens	Lens Type	M12 interface f 2.8mm F=1.8
	focal length	f 2.8mm
	Aperture	F=1.8
	Angle of View	90° (f:4mm)
Video	Image Compression	H.264
	Image Frame Rate	30fps(60Hz), 25fps(50Hz), downward adjustable
	Resolution	720P(1280 x 720), VGA(640 x 480), QVGA(320 x 240)
	Stream	dual stream
	Image adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable
	Flip image	flip and mirror
	Infrared mode	Automatic or manual
	Night visibility	Night Vision Range up to 5m
Network	Ethernet	N/A
	Wi-Fi	802.11 b/g/n
	Modulation Mode	OFDM/CCK
	Frequency	2412-2462MHz
	Antenna	All directional
	Network Protocol	IP、TCP、UDP、HTTP、HTTPS、SMTP、FTP、DHCP、DDNS、UPnP、RTSP
System Requirements	Operating System	Microsoft Windows 2000/XP, Vista, 7,8; Mac OS
	Browser	Microsoft IE6 and above version or compatible browser; Mozilla Firefox; Google Chrome; Apple Safari.
Other Features	Motion Detection	Alarm via Smartphone App,E-Mail, upload alarm snapshot to FTP
	Sound Detection	
	Temperature Detection	
	Privacy Block	Set privacy area manually
	User Accounts	Three levels user role
	Firewall	Supports IP Filtering
	Reset	Reset button is available

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Power	Power Supply	DC 5V/2.0A
	Power Consumption	<7.5 Watts
Physical	Dimension(LxWxH)	75(L)x 71(W)x 119(H) mm
	Net Weight	140g
Environment	Operating Temperature	-20° C ~ 55° C (-4° F ~ 131° F)
	Operating Humidity	10% ~ 80% non-condensing
	Storage Temperature	-20° C ~ 60° (-4° F ~ 140° F)
	Storage Humidity	0% ~ 90% non-condensing
Certification	CE, FCC, RoHS	
Warranty	Limited 1-year warranty	

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

6.4 CE

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.

6.5 Warranty

ShenZhen FOSCAM Intelligent Technology Limited.("FOSCAM") values your business and always attempts to provide you the very best of service.

No limited hardware warranty is provided by FOSCAM unless your FOSCAM product ("product") was purchased from an authorized distributor or authorized reseller. Distributors may sell products to resellers who then sell products to end users. No warranty service is provided unless the product is returned to an authorized return center in the region where the product was first shipped by FOSCAM or to the point-of-purchase, which may have regional specific warranty implications.

If you purchase your FOSCAM product from online store, please contact the point-of-purchase and ask for return/replacement/repair service.

Hardware Warranty Information

FOSCAM provide 2-year limited warranty for naked product and 6-month limited warranty for accessories.

Limited Hardware Warranty

- FOSCAM products are warranted to be free from manufacturing defects in materials and workmanship starting from the shipping date of FOSCAM.

This limited hardware warranty does not cover:

- Software, including the software added to the products through our factory-integration system, software that included in the CD,etc.
- Usage that is not in accordance with product instructions.
- Failure to follow the product instructions.
- **Abuse firmware upgrade without the authorized technician's guidance.**
- **Normal wear and tear.**

Return Procedures

- Please read FOSCAM warranty policy & policy of your reseller first before sending items back to point-of-purchase.
- Customer must first contact point-of-purchase to obtain a Return Merchandise Authorization (RMA) number before returning the product. If the product you received is suspected to be defective and the product warranty has not expired, The RMA number will allow your reseller to track your return much easier and help them expedite processing your request.
- After receiving your RMA case number, pack the item(s) very well with the original box and all the original accessories included such as power adapters, brackets, cables, manuals, and driver CD disks.
- Write your RMA number and the return reason (the problem of the product) on the warranty card along with the complete package to send them back.

Replacement Services

- **If customers ask for replacement service, please contact point-of-purchase and follow their policy.**
- Our technicians will inspect all items returned for replacement requests. If the returned product is found in

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working order, we will return the same item received. However customers shall be responsible for all shipping & handling charges incurred for getting the units back to customers.

- If returned products are found defective, we will replace the product and assume the shipping cost for sending back the replacement unit to customers.
- If for any reason, we are unable to provide a replacement of the original returned item(s). You will have a choice for a “Substitute” item at the same equal value.
- We do not provide exchange and replacement due to normal hardware upgrade according the market after 14 days after the product is delivered.
- Our technicians will test the product before send out the replacement, any other demand for more than two times replacement for the same product during replacement limit will be rejected.
- **Replaced products are warranted from the balance of the former warranty period.**

Warranty Forfeiture

- Warranty is void if purchase from unauthorized distributor or reseller.
- Warranty is void if trade-mark, serial tags, product stickers have been removed, altered or tampered with.
- Warranty is void for mishandling, improper use, or defacing the product.
- **Abuse firmware upgrade without the authorized technician’s guidance.**
- Warranty is void for physical damage, altered, either internally or externally, improper or inadequate packaging when returned for RMA purposes.
- Warranty is void if damage has resulted from accident, dismantle, abuse, or service or modification by someone other than the appointed vendor, souse, fission or the spare part has been over the period of warranty.
- Warranty is void if product is damaged due to improper working environment or operation. (For example, improper temperature, humidity, unusual physical or electrical stress or interference, failure or fluctuation of electrical power, static electricity, using wrong power adapter, etc.)
- Warranty is void if damaged by the use of parts not manufactured or sold by FOSCAM.
- Damage caused by improper installation of third-party products.
- Warranty is void if damaged for irresistible cause, such as earthquake, fire, lightning, flood, etc.
- Product beyond limited warranty.

Shipping Fee

- If products are defective or damaged under normal use or operation in the replacement limit, distributors or resellers are responsible for the shipping cost the product back to customers, customers should assume the shipping cost send the product to the point-of-purchase.
- During replacement limit, if customers ask for replacement due to the product does not fit for customer’s personal expectation, customers should responsible for both shipping fee.
- Customers shall be responsible for both shipping fee if their product beyond the replacement limit but still in warranty limit.

Repair Service Out Of Warranty

- FOSCAM provide extra repair service for product that out of warranty, it is chargeable. The total fee contains device cost and service fee. Device cost (including accessories) is the standard uniform price

provide by FOSCAM.

- Different region may have different service fee, please contact the point-of-purchase to confirm that before you ask for this service.
- Our technicians will quote the total price after detect the product, If customers refused to repair after the quotation, customers need pay for the test fee, \$3.5/hour. If agree with the quotation, test will be free.
- Repaired product out of warranty will obtains 3-month warranty from the date of the product back to customers.

Limitation of Liability

- FOSCAM is not responsible for other extra warranty or commitment promised by resellers, if your reseller promised some extra commitment or warranty; please ask for written documents to protect your rights and interests.
- FOSCAM does not offer refunds under any circumstances. Please contact the point-of-purchase and follow their refund/return policy.
- FOSCAM shall not be liable under any circumstances for any consequential, incidental, special or exemplary damages arising out of or in any connection with this agreement or the products, including but not limited to lost profits, or any claim based on indemnity or contribution, or the failure of any limited or exclusive remedy to achieve its essential purpose or otherwise. Purchaser's exclusive remedy, as against FOSCAM, shall be the repair or replacement of defective parts. If FOSCAM lists a product on its website specification in error or that is no longer available for any reason, FOSCAM reserves the right to explain it without incurring any liability.

All rights reserved. FOSCAM and the FOSCAM logo are trademarks of ShenZhen FOSCAM Intelligent Technology Limited., registered in the U.S. and other countries.

7 Obtaining Technical Support

While we hope your experience with the IPCAM network camera is enjoyable and easy to use, you may experience some issues or have questions that this User's Guide has not answered.

If you have problem with FOSCAM IP camera, please first contact FOSCAM reseller for solving the problems.

If our reseller cannot provide service, please contact our service department: tech@foscam.com

FCC Caution:

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

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

IMPORTANT NOTE:**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

