User Manual

For HD Cameras

(IP Camera Search Tool)

Version 2.0

Catalogue

Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

Basic Operation

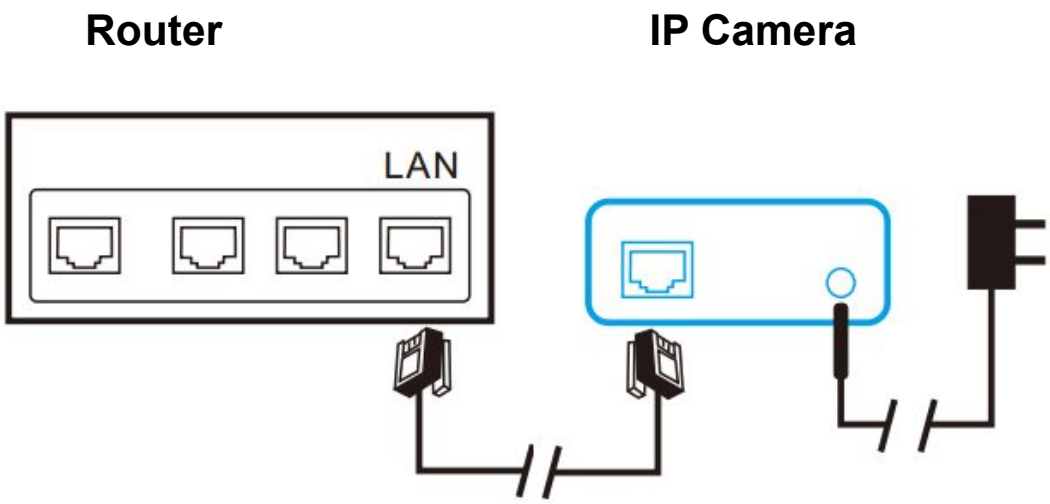
This section will focus on connecting your IP camera, software installation, basic operation of the interface including pan/tilt, video, audio, etc. Other settings will be explained in later chapters.

Notice:

For your security, please update the camera's default password once you finish the following procedure and you can turn to camera settings for reference.

Hardware Installation

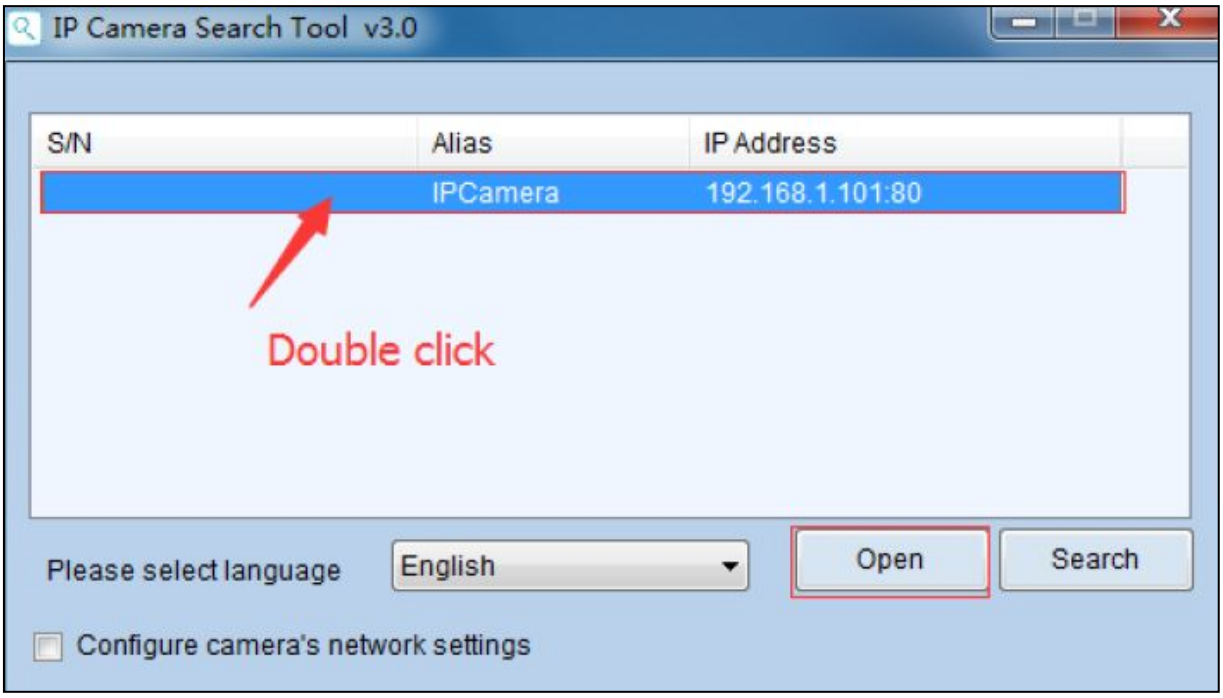
Open the package. Connect the camera to your router by a network cable and plug it in with the provided AC adapter.



Live Video in Windows

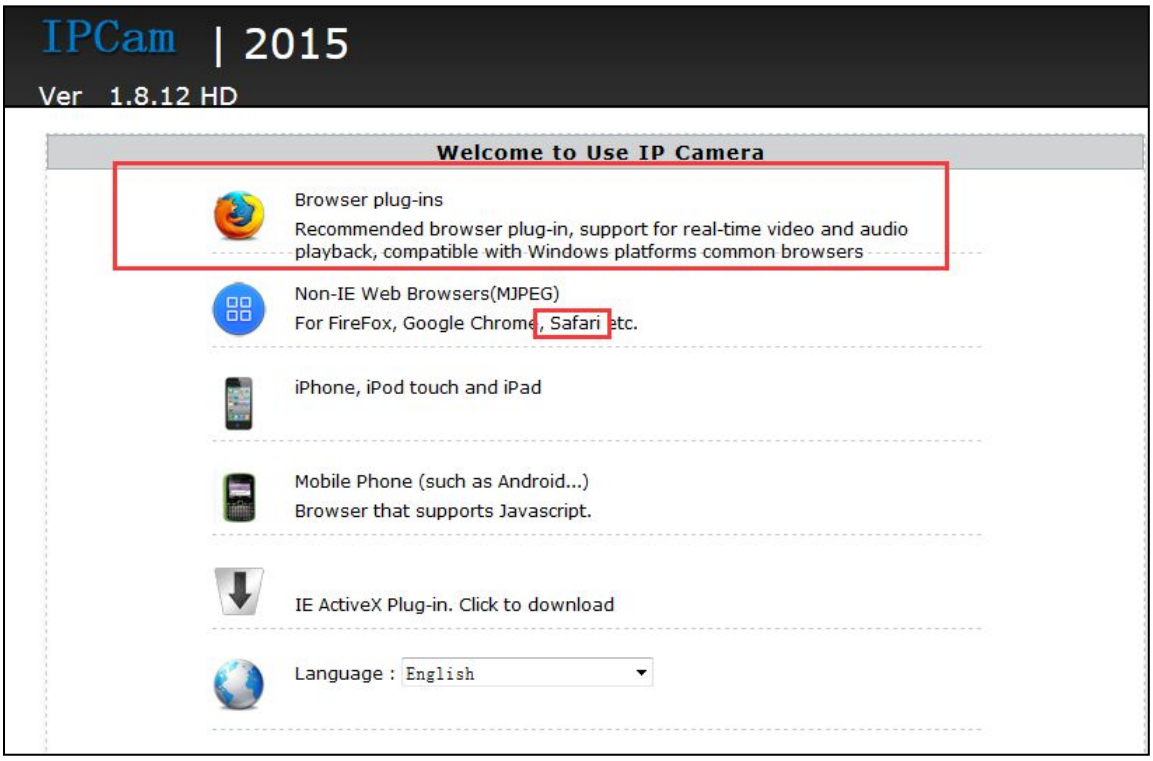
1. Run **IP Camera Search Tool** 

in CD's Windows folder.

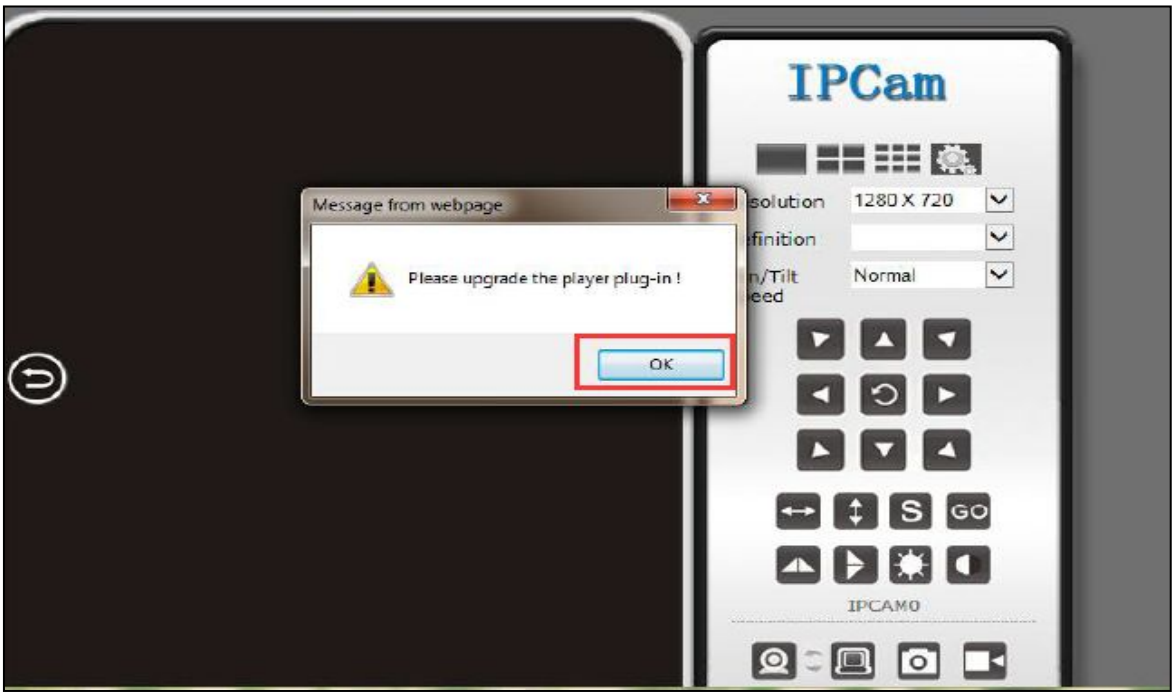


2.Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is **admin**. There is no password by default, so leave the password field blank.

3. Select **Browser Plug-ins**

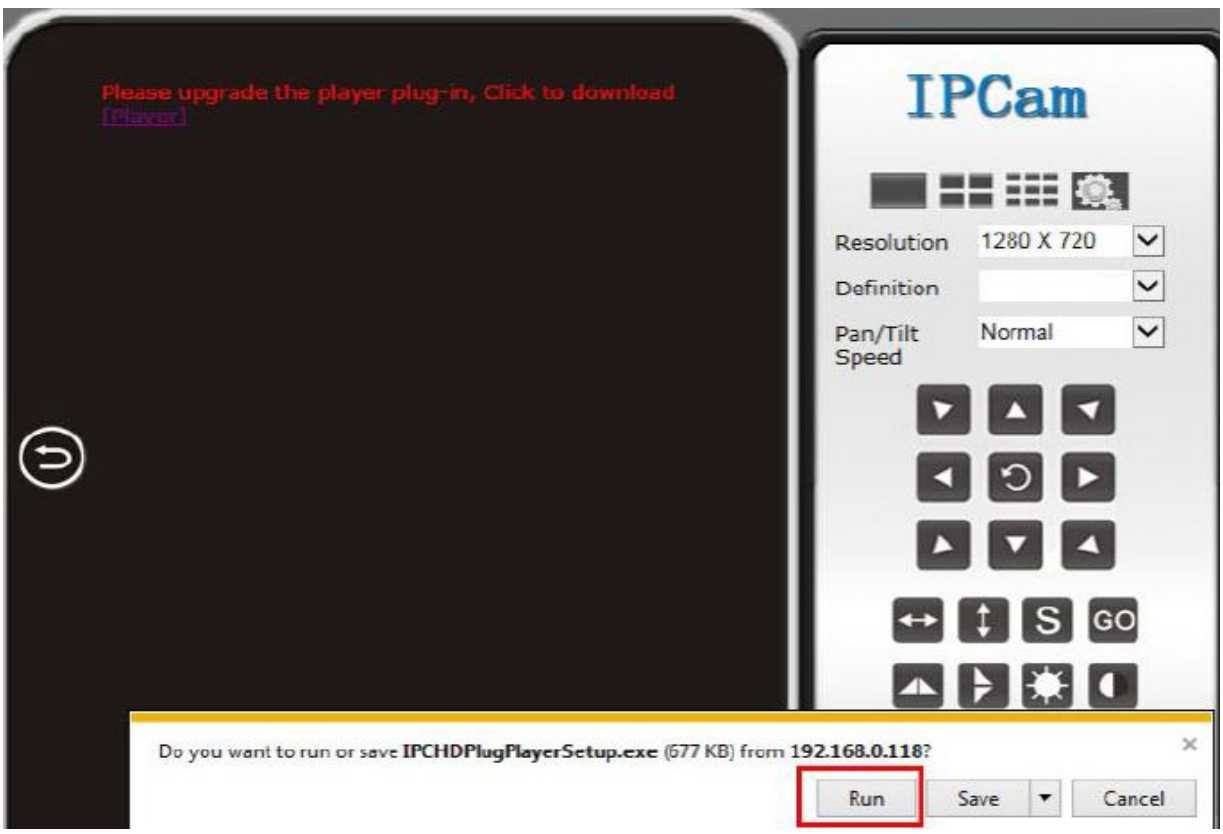


4. The web browser will show a message **Please upgrade the plug-in!.**

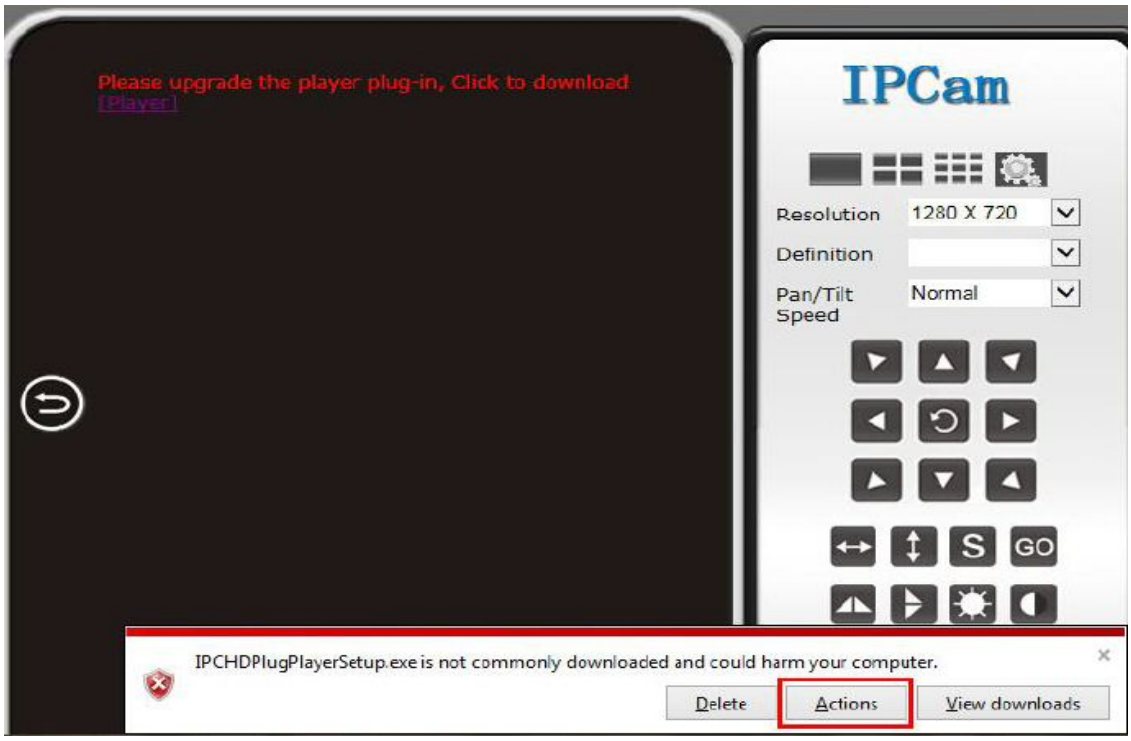


5. Click **OK** and **Player** to download the web browser plug-in running.

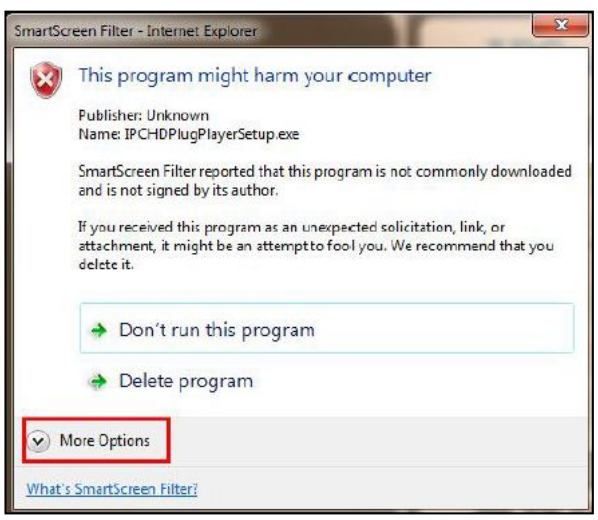
Click **Run** to install the plug-in.

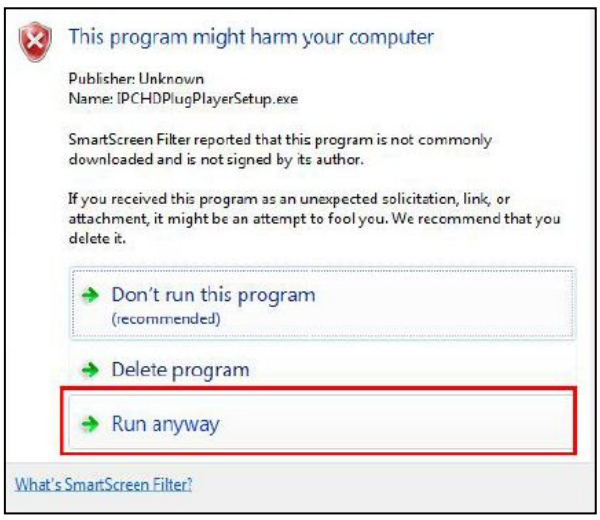


6. The web browser will show a warning message, please ignore it. Click **Actions**.



7. Click More options and click **Run anyway** to install the web browser plug-in

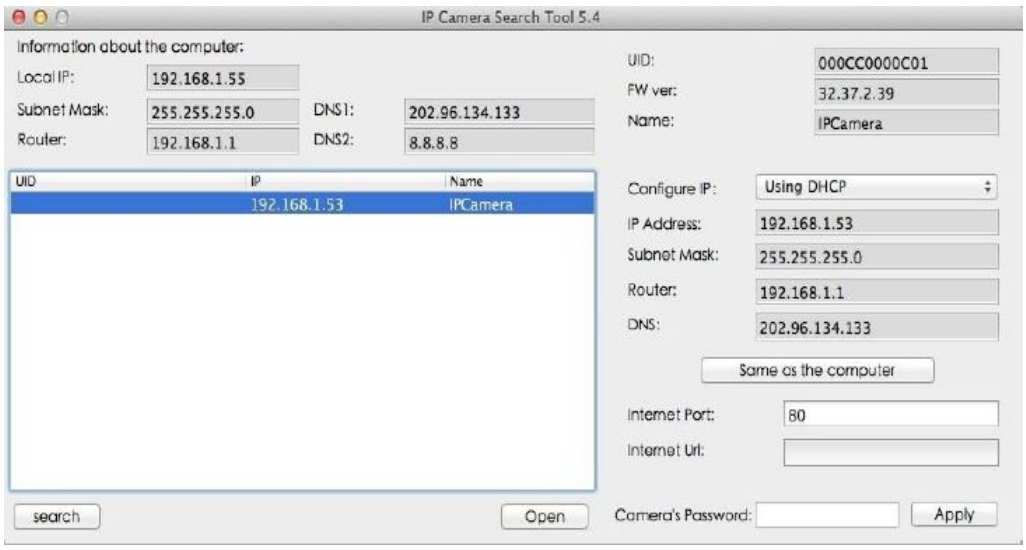




8. Then you will see the live video and control panel

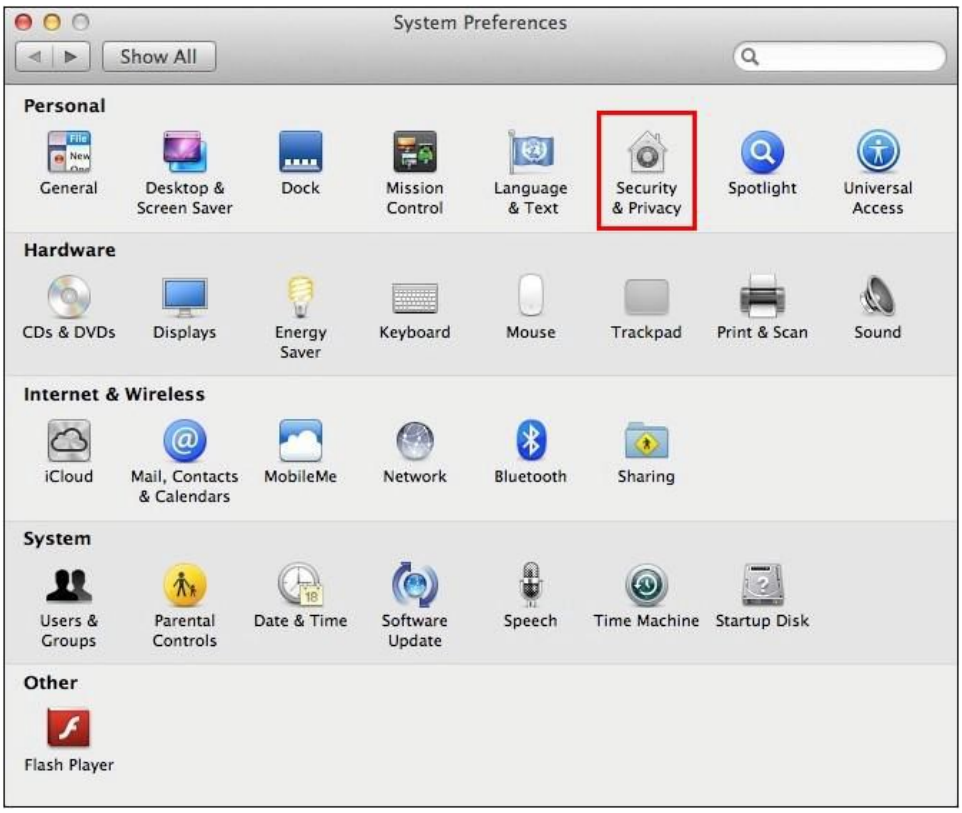
Live Video in Mac (Macintosh)

1. Run **IP Camera Search Tool** in CD's Mac folder. Mac will show a warning message that the application is not safe, please ignore the warning and **run** it anyhow.



***Notice:** If your MAC OS could not run **IP Camera Search Tool** in Mac, it should be the security system forbit you run application not from App Store.

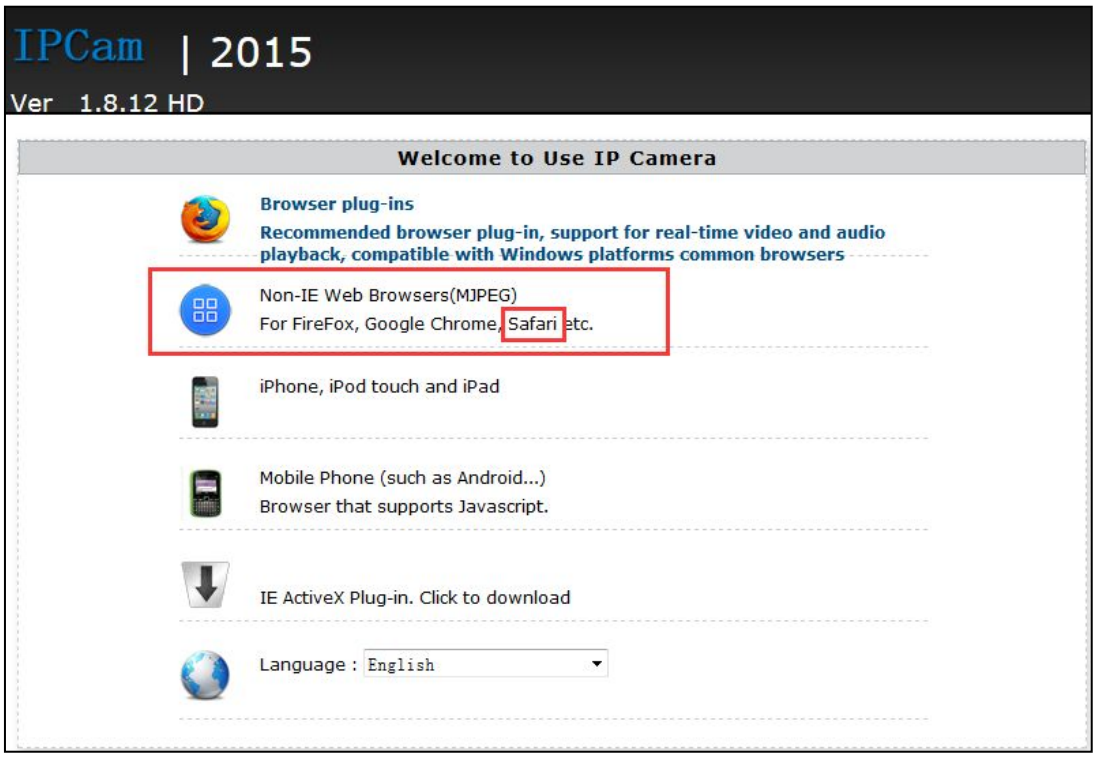
You could set it in **System Performatnce**. 



Allow applications downloaded from anywhere.

2. Double click the IP camera listed in the camera list to access the camera in web browser, the camera's username and password will be required. The default username is admin. There is no password by default, so leave the password field blank.

3. Select **Non-IE web Browsers(MJPEG)** and get live video



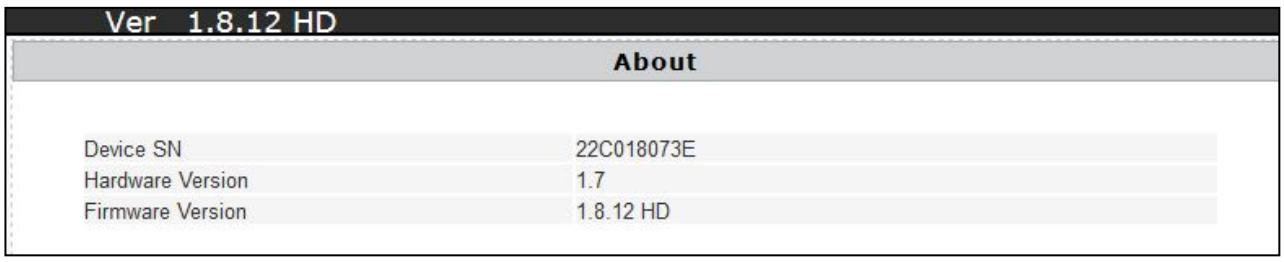
Camera Settings

Click this Settings Button  for camera Settings.

Notice: Certain functions mentioned in this manual may vary according to camera's model. For example, pan and tilt function are for Pan/Tilt enabled cameras only.

System

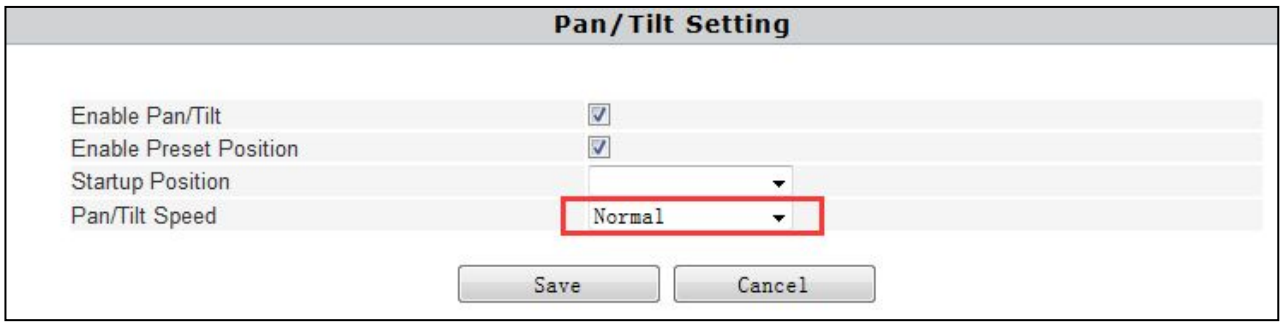
About Basic Device Info.



Device SN	The camera's device ID
Hardware Version	Camera's hardware version
Firmware Version	Camera's software version

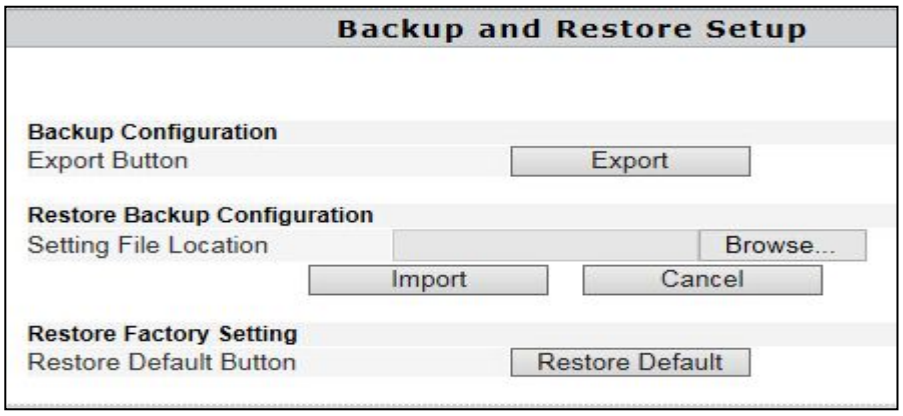
Pan/Tilt Setting

Camera' Pan/Tilt and preset setting (only available for cameras with Pan/Tilt function).



Backup and Restore Setup

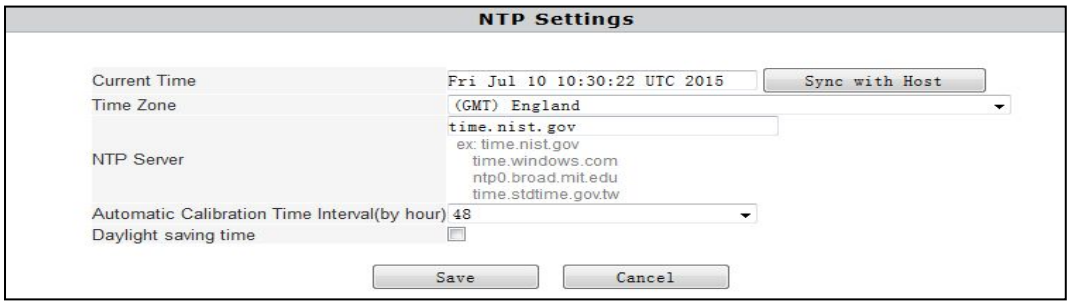
Save or restore camera configuration.



Backup Configuration	Keep the camera settings as a backup file. Download the appeared box IPCamera_Settings.dat and save it on your computer in case you need to restore your previous settings.
Restore Backup Configuration	Click Browse to restore the backup settings which has been saved in advance to restore the previous configuration.
Restore Factory Setting	Reset the camera to default factory settings

NTP Setting

Camera's time setting



Current Time	Camera's time and you can click Sync With Host to match it to your computer's time
Time Zone	Time zone of the place that the camera is located
NTP Server	Time server of the network which is connected with the camera
Automatic Calibration Time Interval(by hour)	Intervals for the camera to correct the time with its own connected network.

Tips:

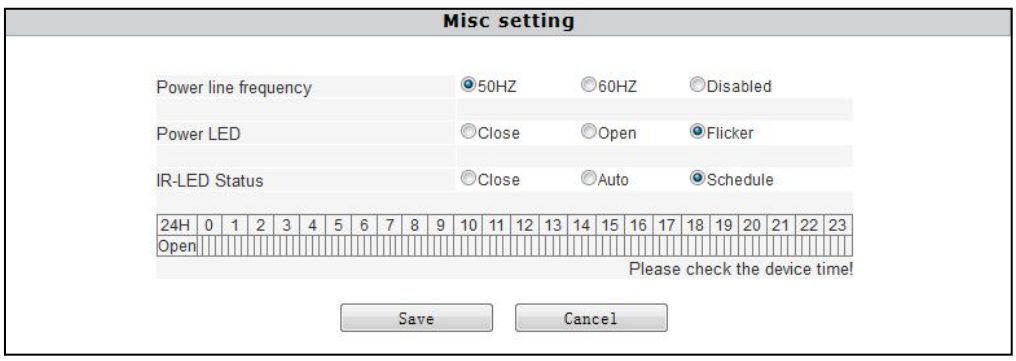
1. Since the camera has no built in battery, the time saved in its memory may be lost when the camera reboots and reset to 1970.01.01. This will not affect the alarm schedule, since the exact alarm time will be synced from the Internet. You just need to reconnect the network to correct the camera's time manually.

2. What is NTP server?

NTP server is a server computer that reads the actual time from a reference clock and distributes this information to its clients using network. Your camera will get the exact time through an NTP sever by offering the time zone of its location.

Misc Setting

Camera's some Miscellaneous Settings

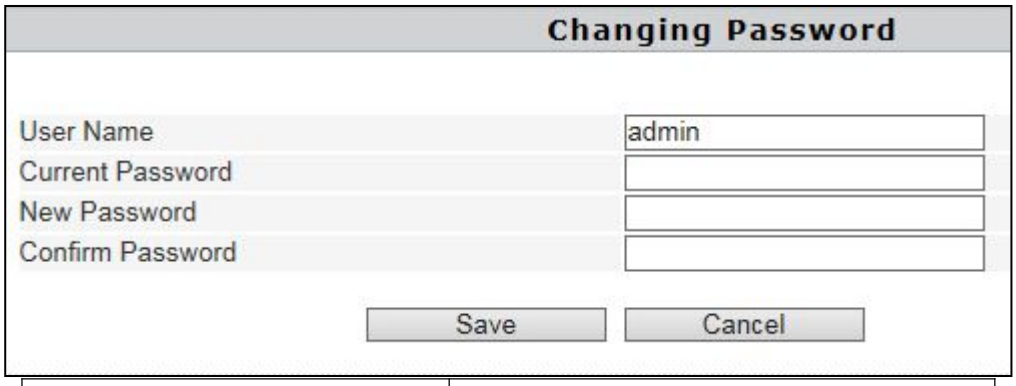


Power line frequency	Select the correct power frequency to avoid video flashing, adjust
Power LED	The status of front green LED
IR-LED Status	Custom Control Night Vision

Language

To set camera's language and other appearance settings.

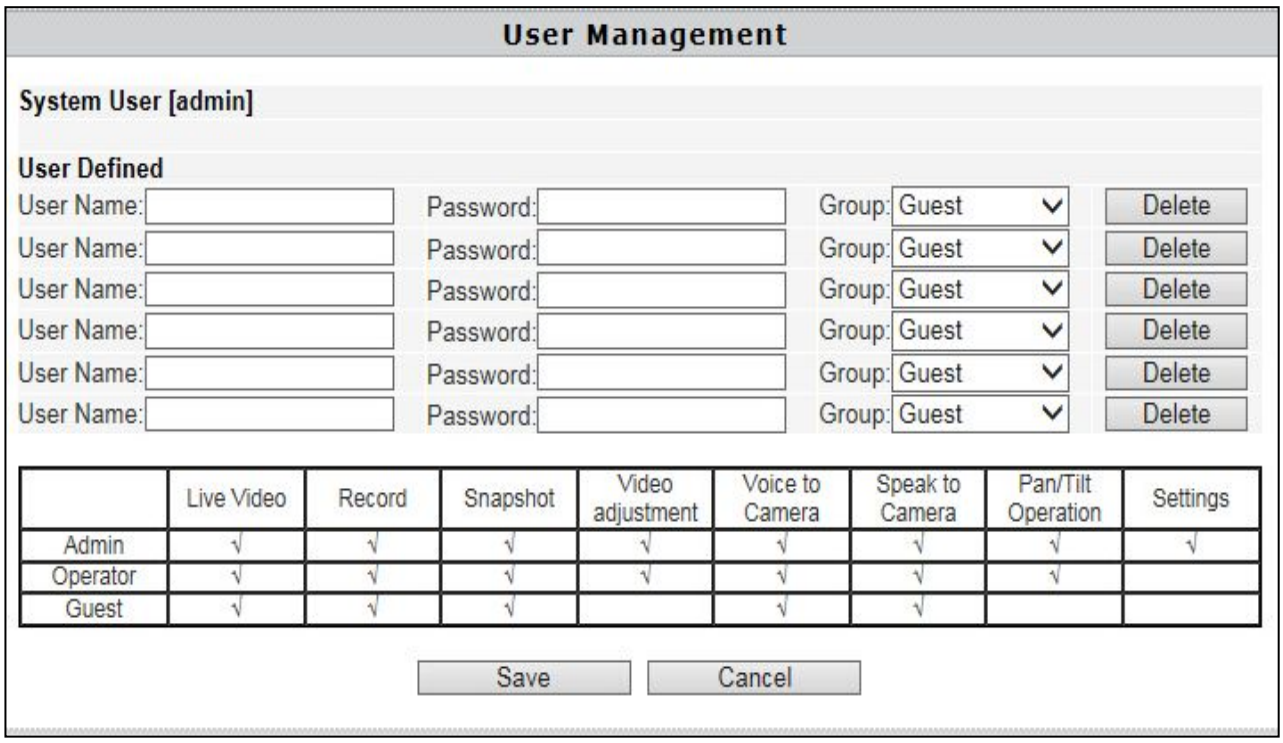
Change Password



User Name	This camera's username
Current Password	To confirm the current password
New Password	To fill in the camera's new password
Confirm Password	Fill in the new password to confirm the change

System User

Adding and updating user accounts

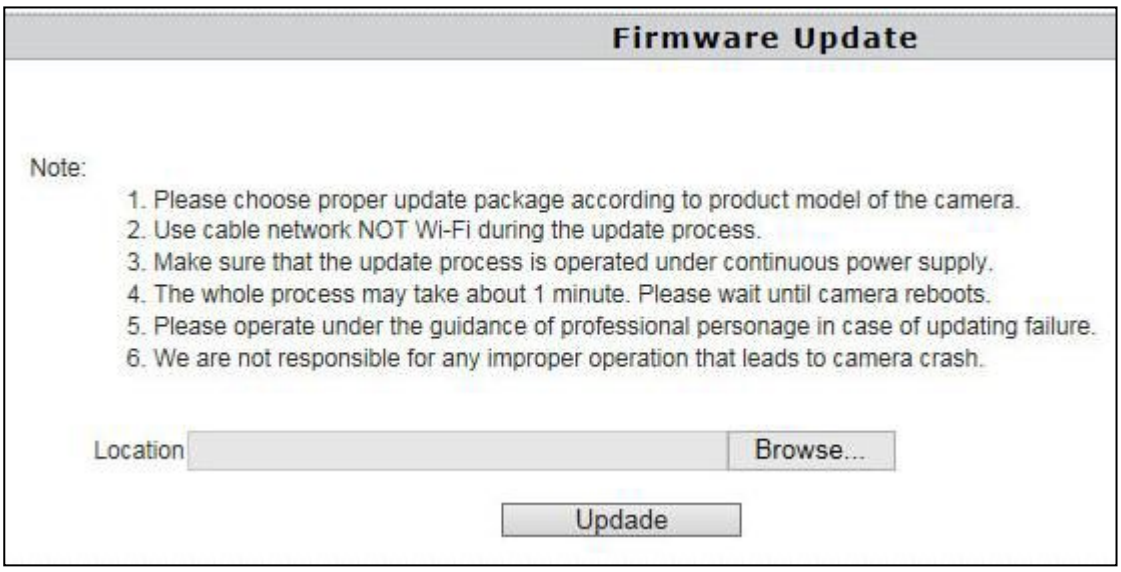


Defined user contains three different user levels. Different access is granted to different user levels as specified in the following sheet

	Live Video	Record	Snapshots	Video adjustment	Sound	Talkback	PT operation	Settings
Admin	√	√	√	√	√	√	√	√
Operator	√	√	√	√	√	√	√	×
Guest	√	√	√	×	√	√	×	×

Update

Update the device to the latest firmware version



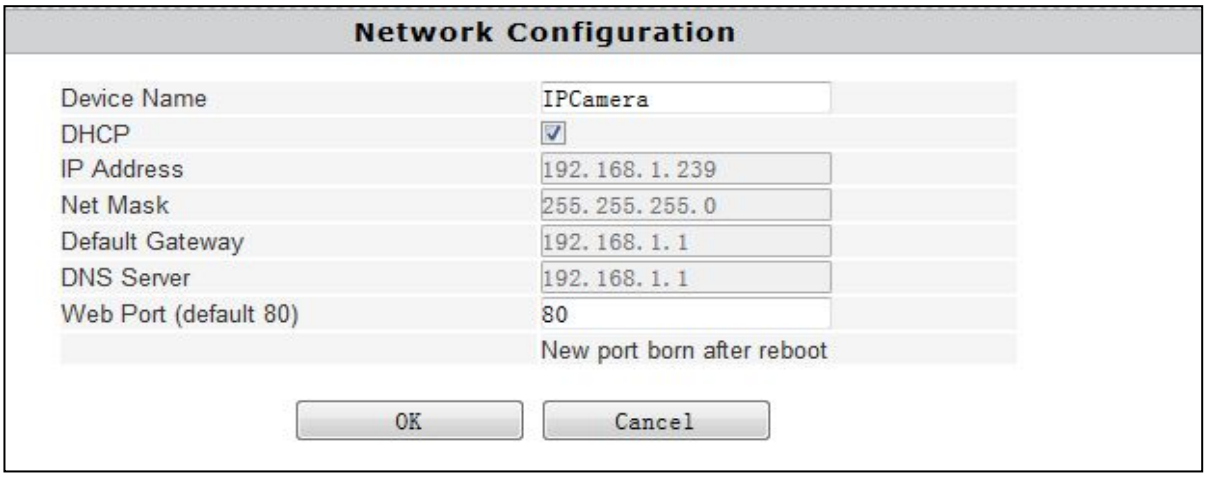
Notice:

1. Please choose proper update package for your camera model.
2. Use an Ethernet cable NOT WI-FI to connect to your camera during the update process.
3. Make sure that the camera is not unplugged during the update process.
4. The whole process may take about 2-3 minute. Please wait until camera reboots.
5. Please unzip the file to bin document and then update the firmware with it.
6. We are not responsible for any improper update attempts that lead to camera crash.

Network

IP Config

The Camera's Basic Network Settings



Device Name	Camera's display name which is set to distinguish from other devices on your network
DHCP	Enable or disable obtaining IP address from DHCP server automatically. If it is enabled, IP address and other items cannot be changed manually.
IP Address	Camera's local network IP address, which is used to view the camera in the same local area network. Specify a unique IP address for your network camera.
Net Mask	Specify the mask for the subnet the network camera is located on
Default Gateway	Specify the IP address of the default gateway (router) used for connecting devices attached to different networks and network segments
DNS Server	DNS (Domain Name Service) provides the translation of host names to IP addresses of your network
Web Port	Camera's communications port which is set to send video and audio data

Wi-Fi

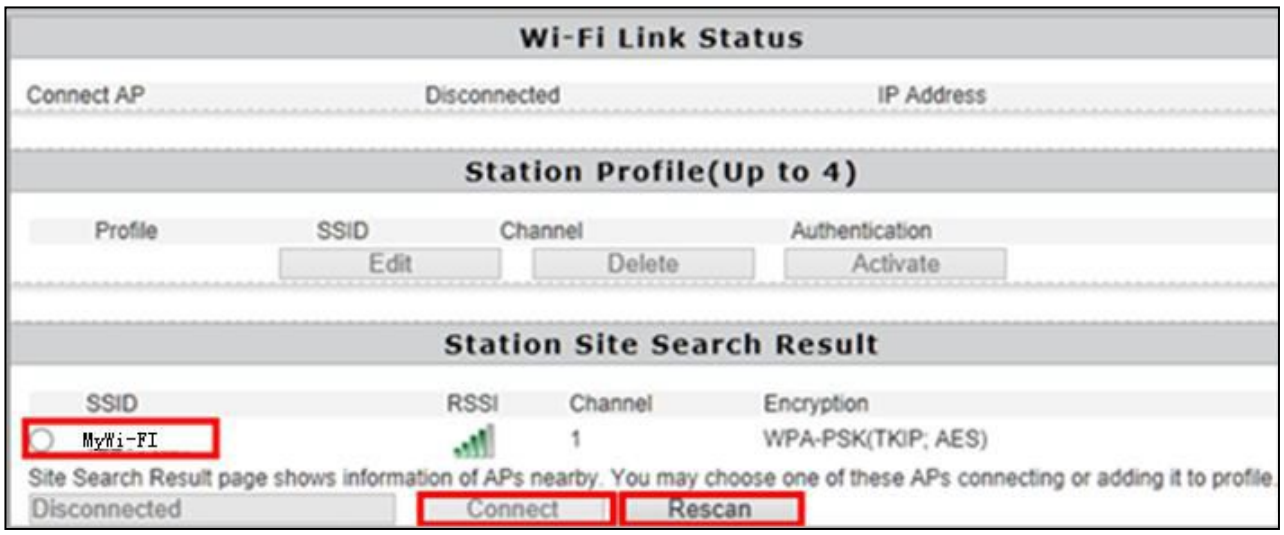
Configuring WI-FI connection

Station Site Search Result	All the nearby wireless signals visible to the camera
Station Profile(Up to 4)	Select the wireless signal and add it to Station Profile. Then you can switch your preferred wireless network easily.
WI-FI Link Status	Check and change wireless network status

Set up Wi-Fi connection

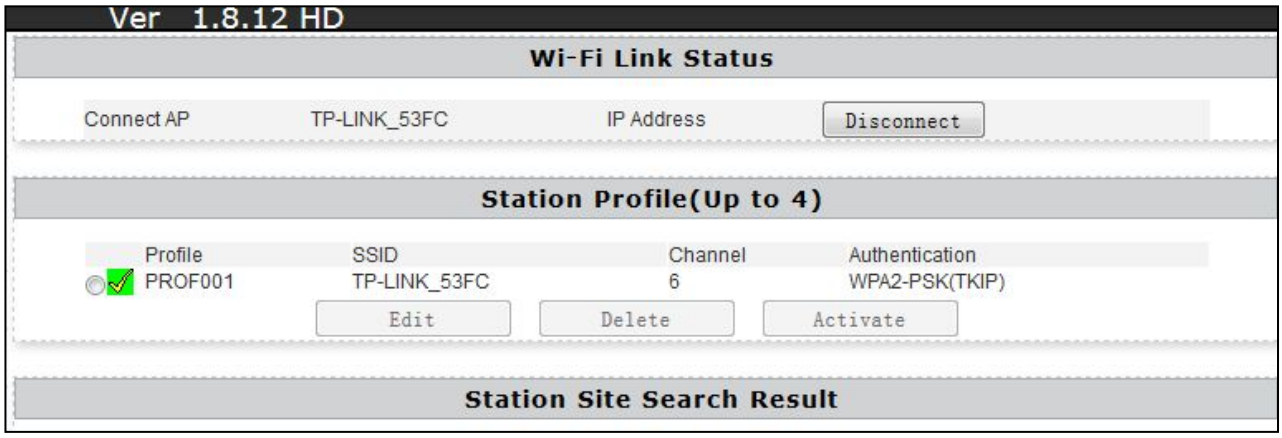
1. Click **Rescan** to search Wi-Fi signal around the camera

2. Select the Wi-Fi SSID you want to connect and click **Connect**



3. Enter the password of your Wi-Fi network and click **Apply**.

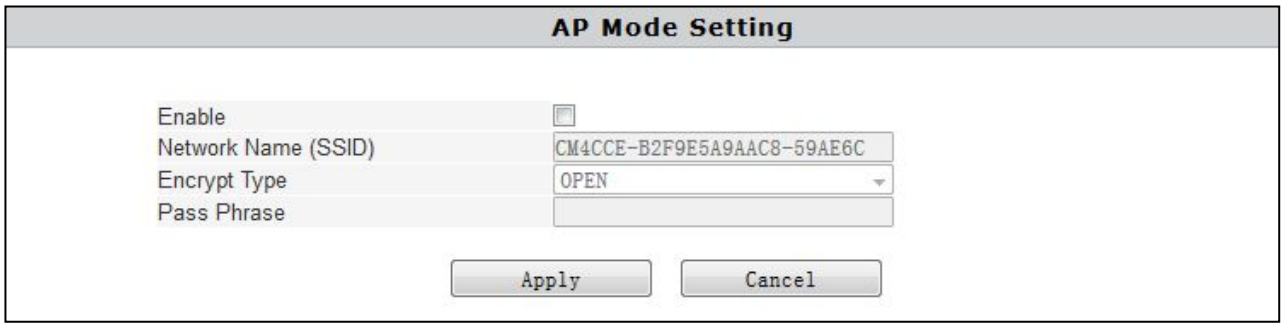
4. Pick the wireless network added in Station Profile (Up to 4) and click Activate.



5. Wireless network is connected if it appears .

Wireless network is disconnected if it shows . Please pick Edit to reset the network configuration or pick Delete to get back to the first step.

AP Mode Setting



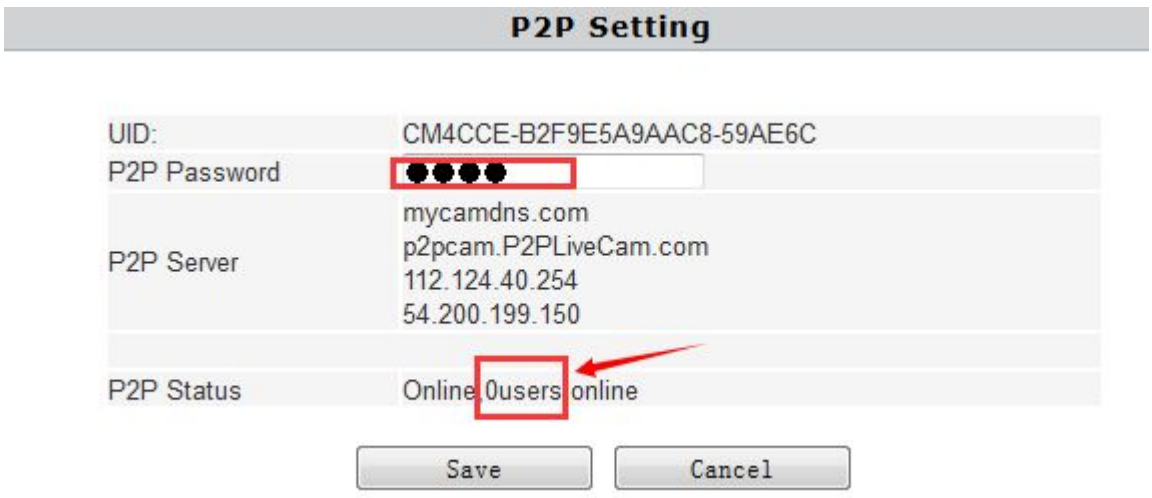
If you do not have network cable or you could not access your router's LAN port, you could connect the IP camera point to point by **AP mode** and then set up Wi-Fi.
If no network cable or Wi-Fi connected, the camera will be in **Wi-Fi Setting Mode** for 90 seconds after booting. After 90 seconds' **Wi-Fi Setting Mode**, the camera will reboot and be in **AP Mode** automatically. When the camera in **AP mode**, the indicator will flicker, indicator will be on 1.5 second and off 0.3 second in each flickering period. Then connect the camera's Wi-Fi signal of **Network Name (SSID)** by your PC with wireless adapter, run search tool and then set up Wi-Fi in web browser. For more details of Search Camera and Set up Wi-Fi connection, please check the manual above.

Notice:

1. For security concern, enter a password is necessary.
2. The camera will disconnect Wi-Fi after enable AP mode.

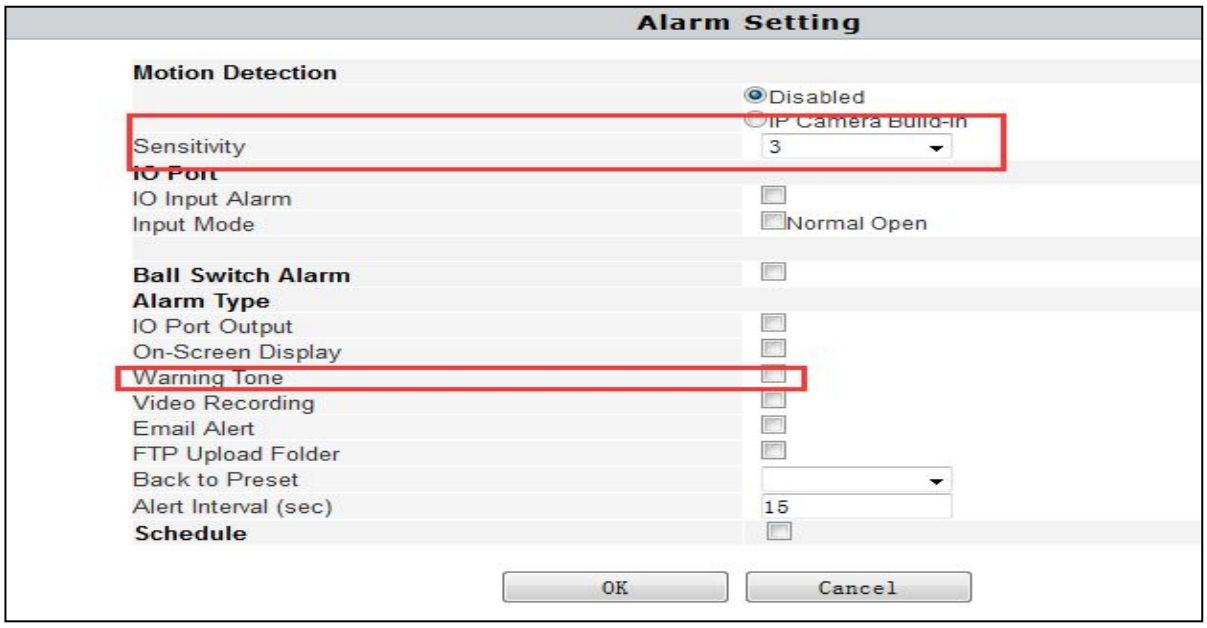
P2P Setting

Change P2P password, P2P password is used to view the camera's live video by mobile device. The default P2P password is **8888**.



Alarm Setting

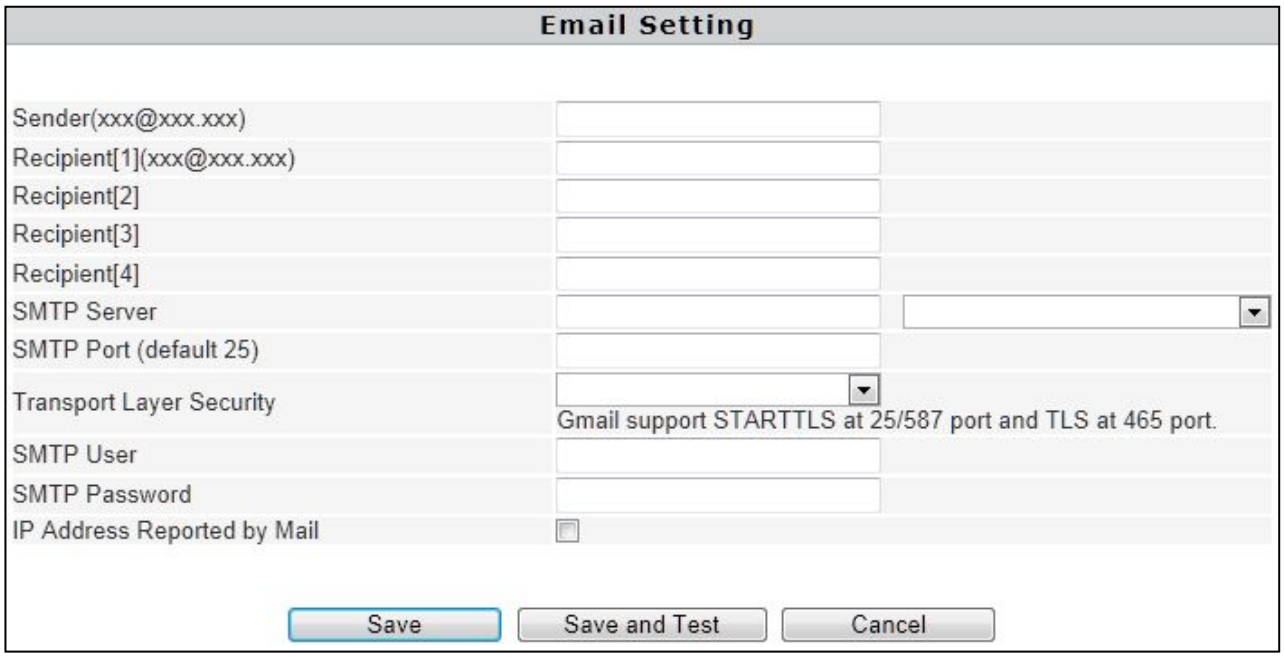
AlarmSetting



Motion Detection	Enable or disable the motion detection alarm
Sensitivity	The sensitivity of the motion detection alarm which contains 5 levels.
IO Input Alarm	Enable alarm input detection
Input Mode	*Select the input mode.
IO Port Output	*Output 5V with 300mA max
On-Screen Display	Notice on the screen during motion detection alarm which is only available in IE browser.
Warning Tone	Alarm voice when the camera detects moving objects which is only available for IE browser.
Video Recording	Records to the computer when the camera detects moving objects and this function only works in web browser live page.
Email Alert	Sending alarm pictures to the specified email when the camera detects the movements
FTP Upload Folder	Sending alarm pictures to FTP server set in advance when the camera detects movement.
Back to Preset	Moves camera to a preset position once the camera detects moving objects (this is only available for Pan/Tilt IP camera).
Alert Interval (sec)	Unit of time for periodic motion detection alarm which includes picture and video alarm.
Schedule	Specified motion detection period with 15 minutes a unit and one week per cycle.

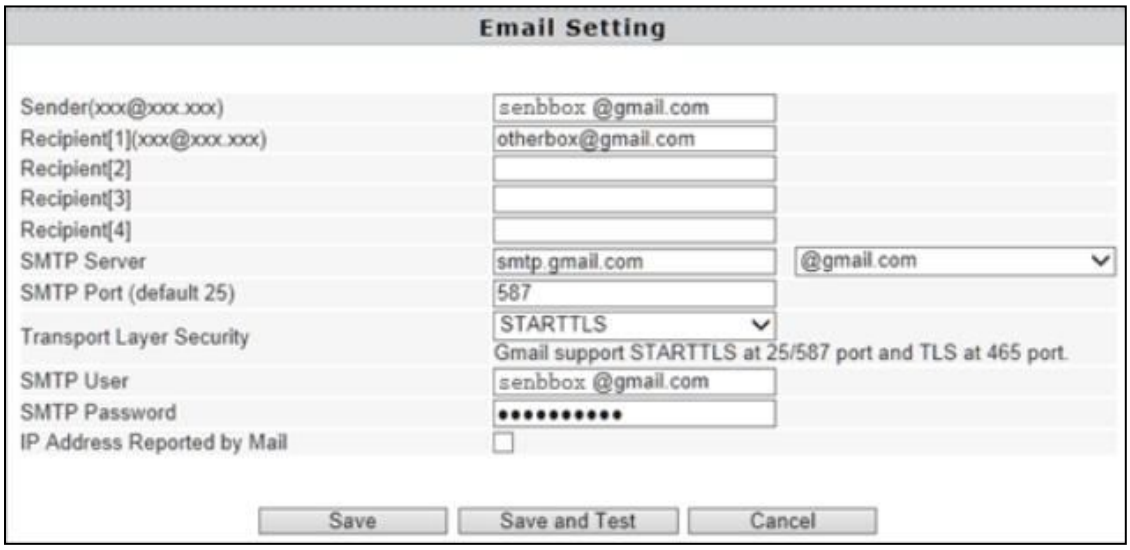
Email Setting

Once the motion detection alarm is enabled, camera will send snapshots to the specified email when it detects the moving objects. There will be six emails per time and one picture per email.



Sender(xxx@xxx.xxx)	Email address for sending the alarm email
Recipient[1](xxx@xxx.xxx)	1st email address for receiving the alarm email
Recipient[2]	2nd email address for receiving the alarm email
Recipient[3]	3rd email address for receiving the alarm email
Recipient[4]	4th email address for receiving the alarm email
SMTP Server	Sending emails provider ‘s SMTP server address
SMTP Port (default 25)	Service port of SMTP server
Transport Layer Security	Encryption protocol of SMTP Server
SMTP User	Sender email’s login username
SMTP Password	Sender email’s login password
IP Address Reported by Mail	Sending the camera’s external access URL to the recipient’s email

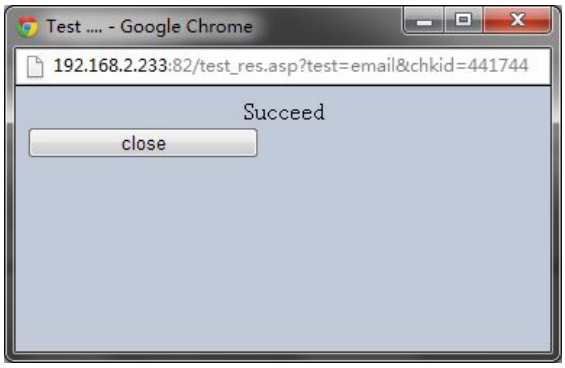
E-mail Alarm Configuration



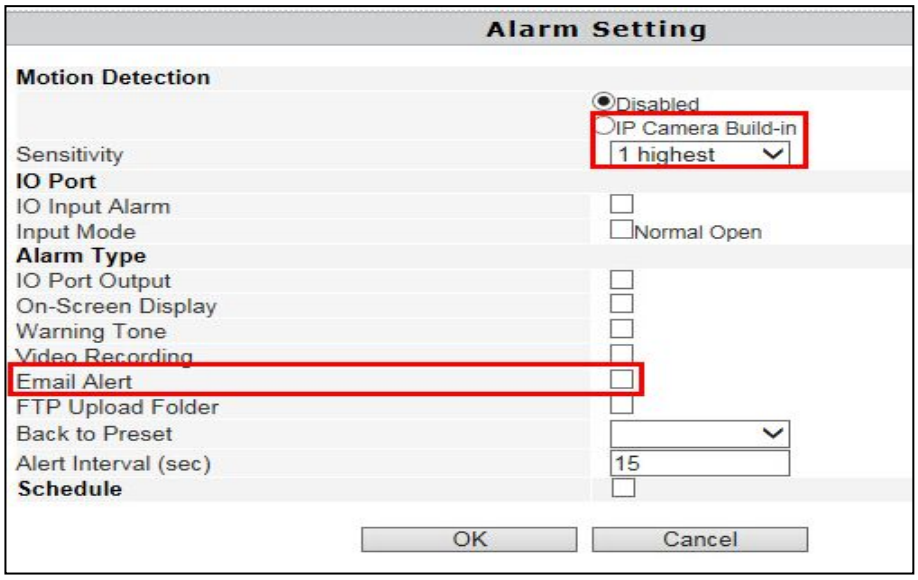
Sender is your own email address. Since common email providers have a better service experience and the built-in email provider SMTP servers are easier to set up, you are strongly advised to use Gmail, Yahoo and other common email services as the sender email.
Recipient is the email to accept the email alerts and we suggest that you make it a different email from the sender email.
SMTP Server: The SMTP (short for Simple Mail Transfer Protocol) works like a post assistant, handling the sending of emails from the camera to an email server. SMTP Server receives outgoing mail messages from users to the mail recipients they are intended for.
If your sender email provider is a public server, you can search the IP address of the email provider's SMTP server or DDNS from Google. If your sender email provider is a private one, you can consult with the email provider's customer service.

SMTP Port: Service port of SMTP server which you can get with the above procedure
Transport Layer Security: Encryption protocol of SMTP Server and you can also get it from the above procedure

SMTP User: The account you use to login to the SMTP server which is also the sender email address
SMTP Password: The password you use to login to the SMTP server which is also the sender email password
IP Address Reported by Mail: Once it is triggered, the latest external IP address will be sent to recipient's email as soon as the camera's WAN IP address changes.
Then click Save and Test. Once it says Success that means the camera has set up e-mail settings.



Go back to alarm settings and enable **Email Alert** to finfish the whole e-mail alert settings.



Notice:

1. Please check the basic network settings of the camera if it failed the test, go back to Basic Operation for reference

2. There might be some delay for motion detection alarm since it is related to the network condition and the service quality of the sender email's provider. Thus it is beyond the control of IP camera.

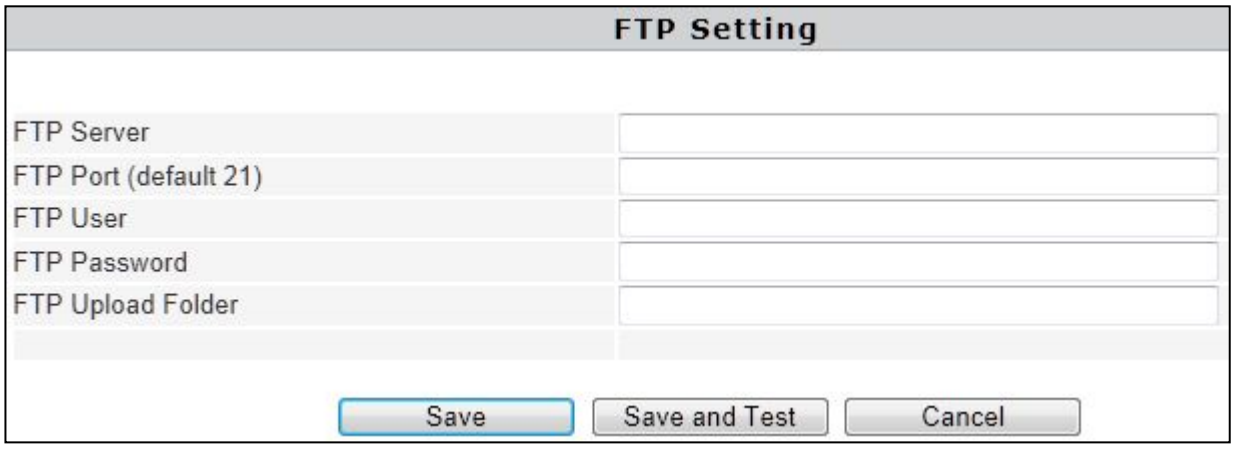
3. If you still can not receive any email alert after getting the test email, please check your spam box and add your sender email address in the trust list of the recipient email once your find it in spam.

Tips:

The email alert is sent via sender email's provider server which is an SMTP server. Once the camera signs in to the SMTP server, the email alert will be delivered to the recipient email after getting SMTP server's authentication. Therefore, the sender email, recipient email and the SMTP server are all required.

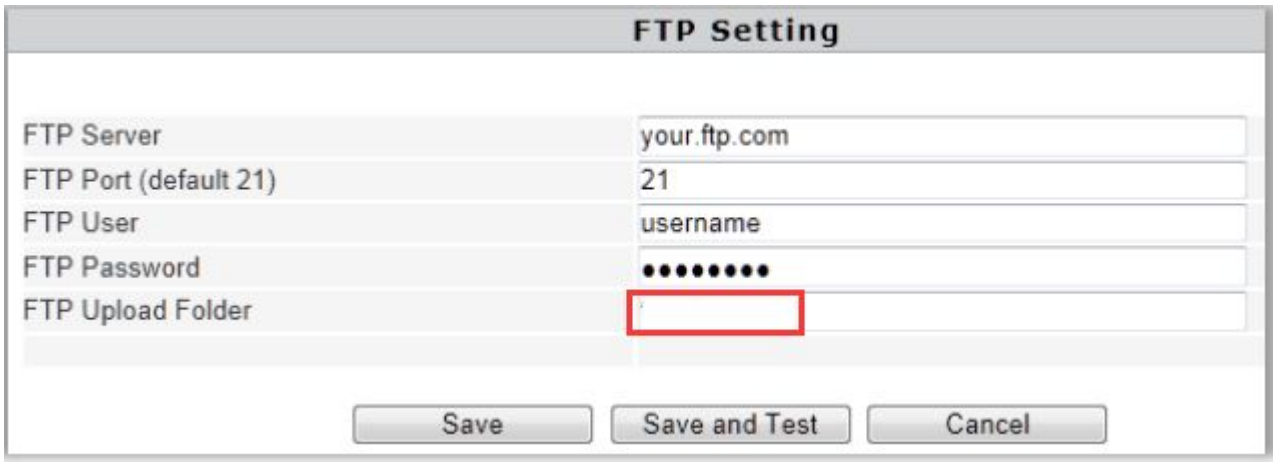
FTP Setting

FTP, short for File Transfer Protocol, is used to transfer files between computers on a network. You can upload camera's alarm snapshots to your FTP storage. Thus, there is no need to keep the computer on when the motion detection alarm is triggered.

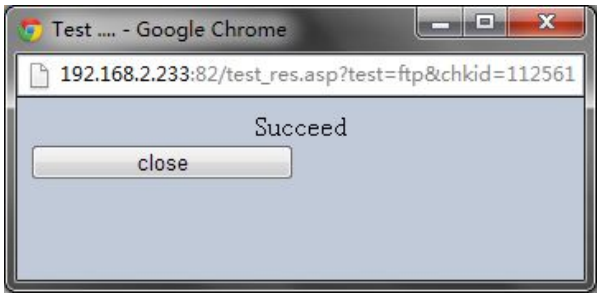


FTP Server	FTP server's address
FTP Port (default 21)	FTP server's port
FTP User	FTP server's username
FTP Password	FTP server's password
FTP Upload Folder	FTP server's subdirectory. Keep it blank if there is no subdirectory

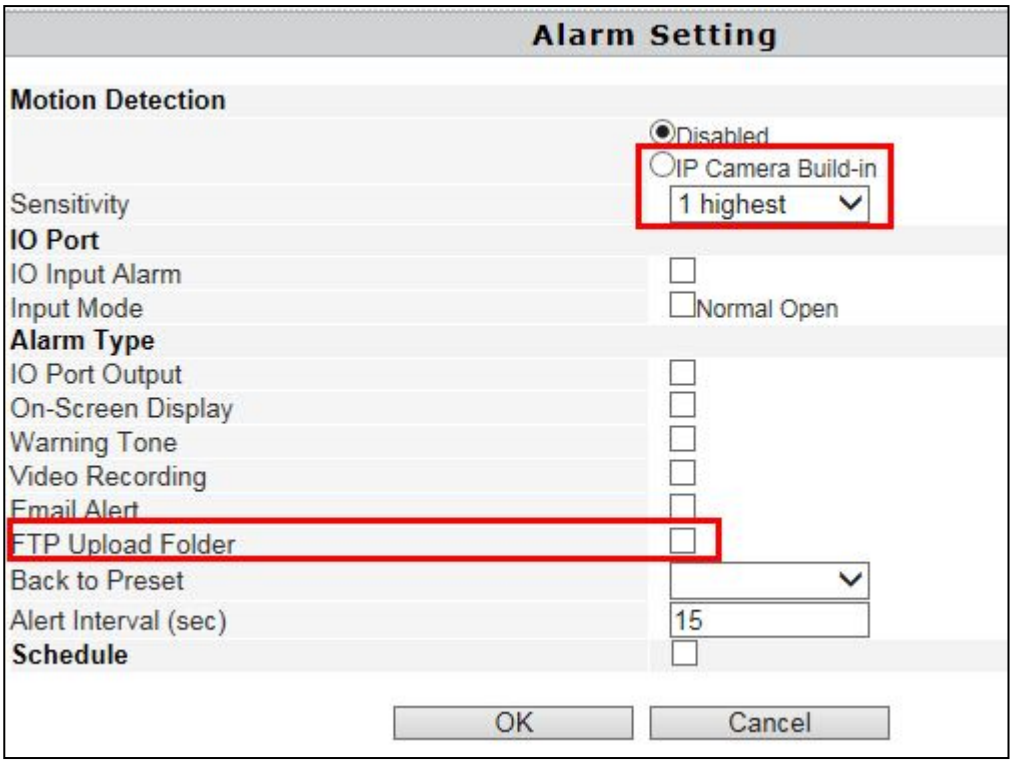
FTP Alarm Configuration



FTP Server: FTP server's IP address and DNS which could be required from FTP server provider.
FTP Port: Communication port of FTP server and the default port is 21.
FTP User: Username for you to sign in FTP server which could be required from FTP server provider.
FTP Password: Password for you to login FTP server which could be required from FTP server provider.
FTP Upload Folder: File address in FTP server in which to save the alarm pictures. If it is left blank, the pictures will be kept in FTP's root directory.
Then click Save and Test. Once it says "Success" that means the camera has set FTP settings successfully.



Go back to alarm settings and enable **FTP Upload Folder** to finfish the whole e-mail alert settings.



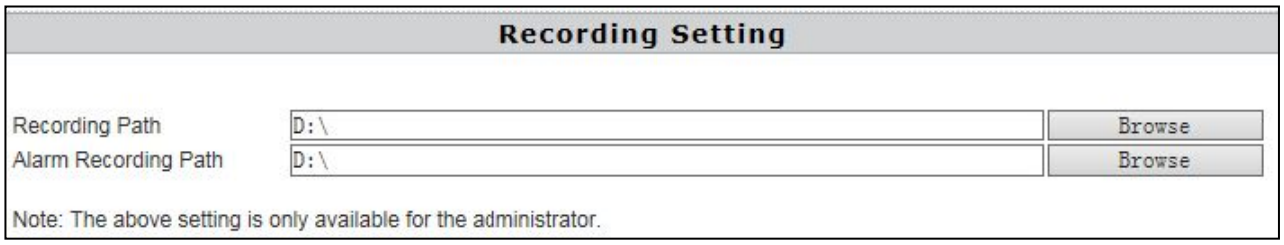
Notice:

1. Please check the basic network settings of the camera if failed in test, go back to Basic Operation for reference

2. FTP server is offered by FTP provider. We does not provide FTP service. Web Hosting usually supports FTP.

3. Please make sure the camera is authorized to upload alarm pictures. For detailed information, please consult with the FTP server provider.

Recording



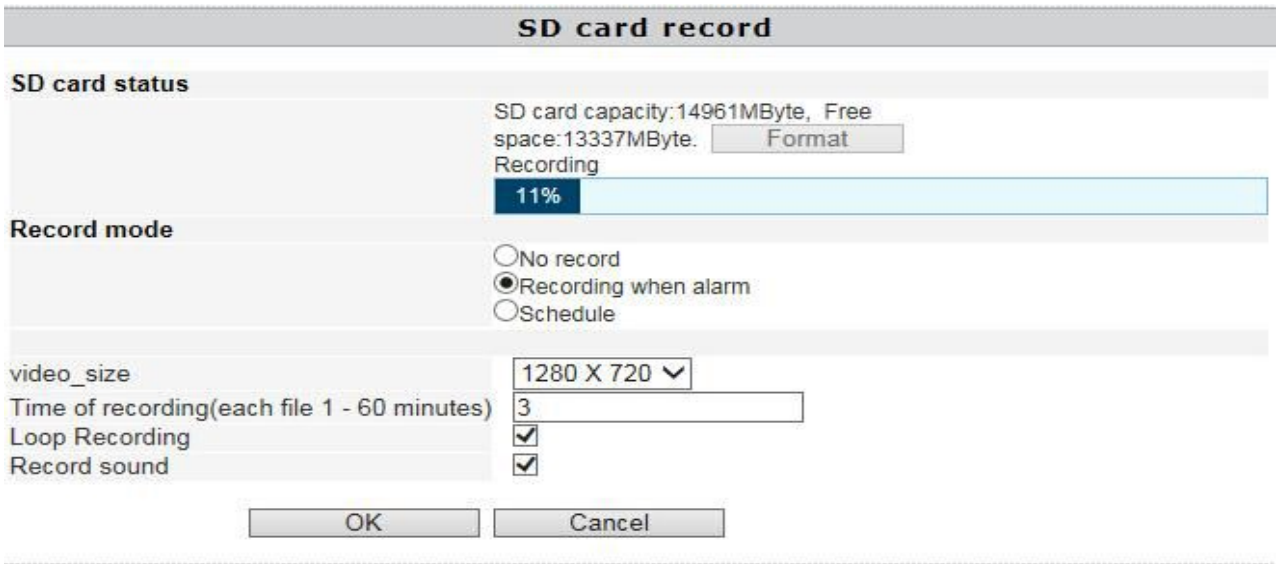
Recording Path	Camera's destination folder to record to
Alarm Recording Path	Camera's alarm recording destination folder

Notice:
If it does not work, please run IE **as administrator**. Right click IE browser and pick Run as Administrator

Record SD card

Rec Settings

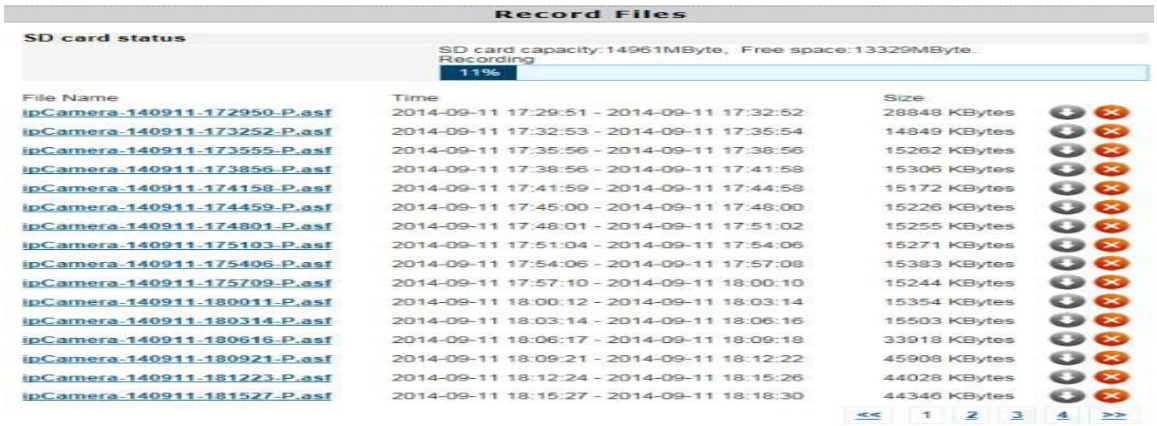
Enable or disable SD card record



SD card Status	The SD card's free space and total space
Record mode	Recording when alarm or by Schedule
Video Size	Choose the record quality
Time of Recording	Set the record time length
Loop Recording	Whether delete the oldest record files if the SD card is almost full
Record Sound	Enable record sound

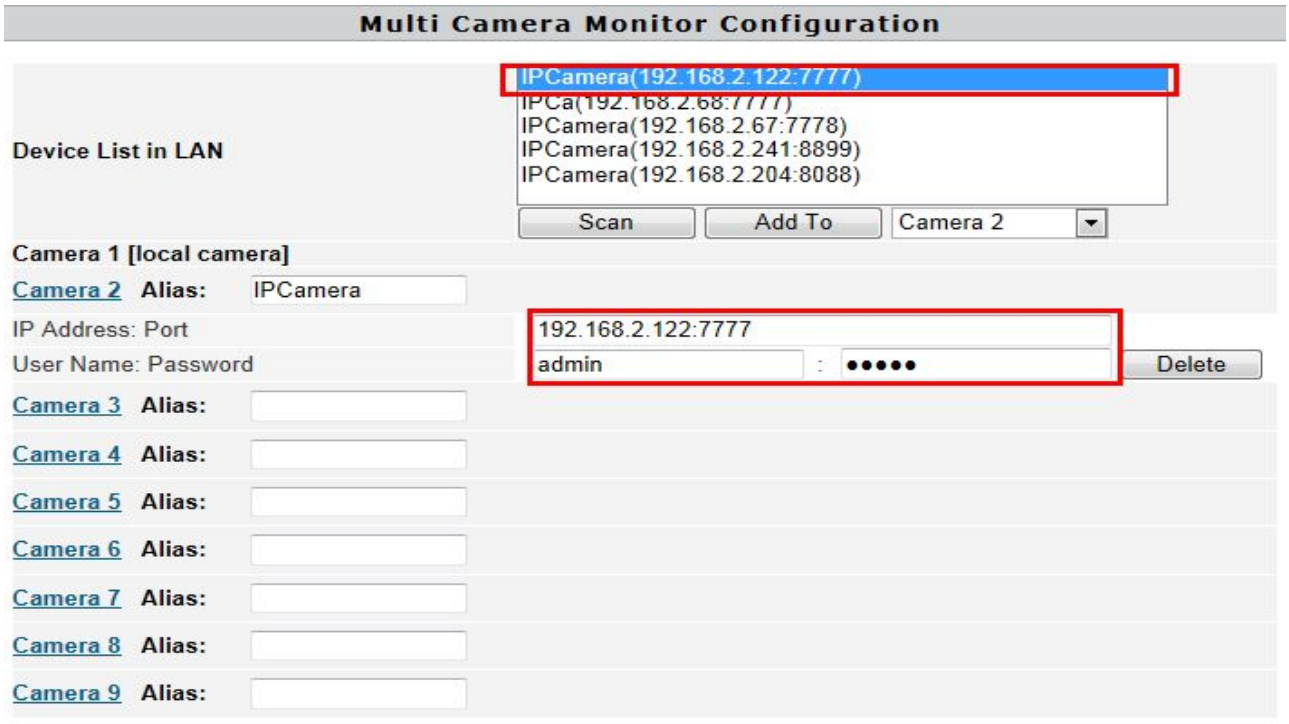
Rec Files

Check the record files in the SD card



Click to download the record file and click to delete the record file.

Multi Camera Monitor Configuration



Device List in LAN	IP camera in your local network
Alias:	Camera's name
IP Address: Port	Camera's IP address and port or you can fill in DDNS instead.
User Name: Password	Camera's username and password