

POE Security Camera System

Quick Start Guide



V 2022 . 05

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Chapter1 System Requirement

Operating System

Microsoft Windows XP SP1/7/8/ 10

CPU

3.0 GHz or higher

RAM

4G or higher

Display

1024×768 resolution or higher

Web Browser

For camera that supports plug-in free live view

Internet Explorer 8 – 11, Mozilla Firefox 30.0 and above version and Google Chrome 41.0 and above version.

Note:

For Google Chrome 45 and its above version or Mozilla Firefox 52 and its above version which are plug-in free, **Picture** and **Playback** functions are hidden.

To use mentioned functions via web browser, change to their lower version, or change to Internet Explorer 8.0 and above version.

Chapter 2 Network Connection

2.1 Setting the Network Camera over the LAN

Purpose:

To view and configure the camera via a LAN, you need to connect the network camera in the same subnet with your computer, and install the **AjDevTools** or **SADP** software to search and change the IP of the network camera.

Tools: <http://ourdownload.store/>

AjDevTools : [Download](#)

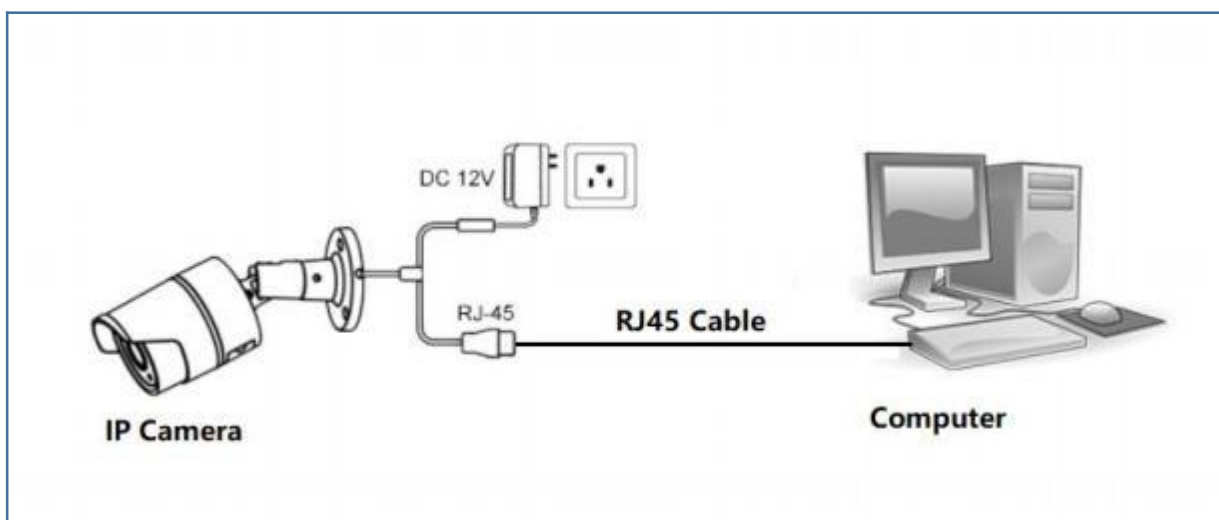
SADP: [Download](#)

2.2 Wiring over the LAN

The following figures show the two ways of cable connection of a network camera and a computer:

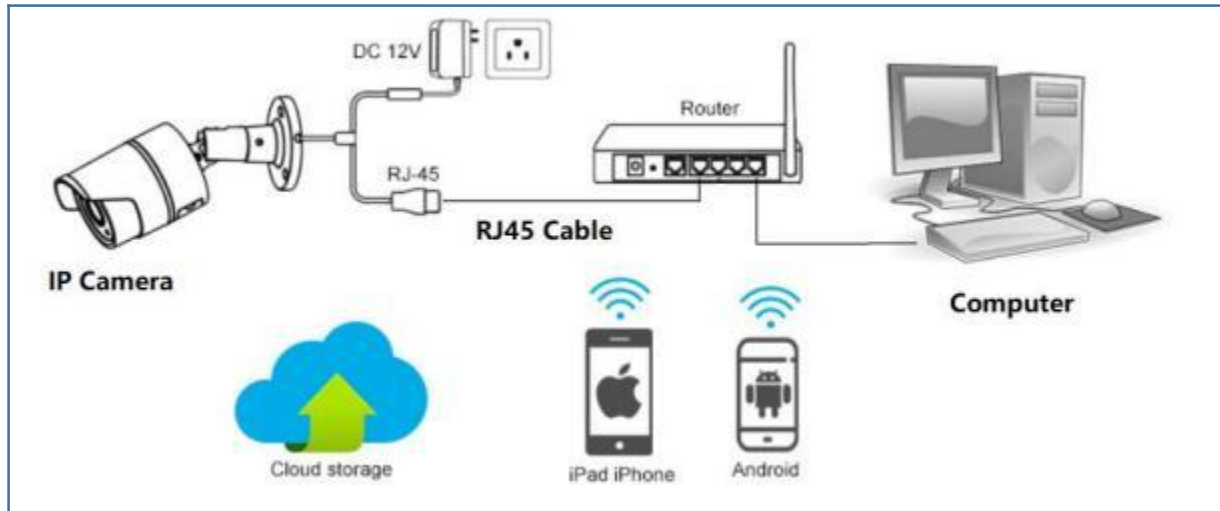
Purpose:

- ① To test the network camera, you can directly connect the network camera to the computer with a network cable. (Connecting directly must supply the camera with DC 12V power supply)



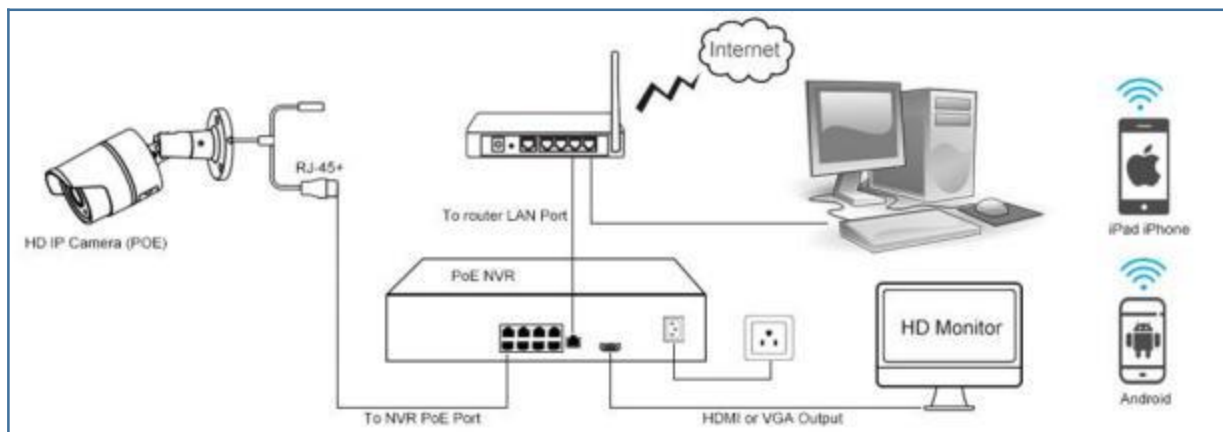
Connecting Directly

- ② Set network camera over the LAN via a switch or a router. (If it is a POE switch, you do not need to power the camera).

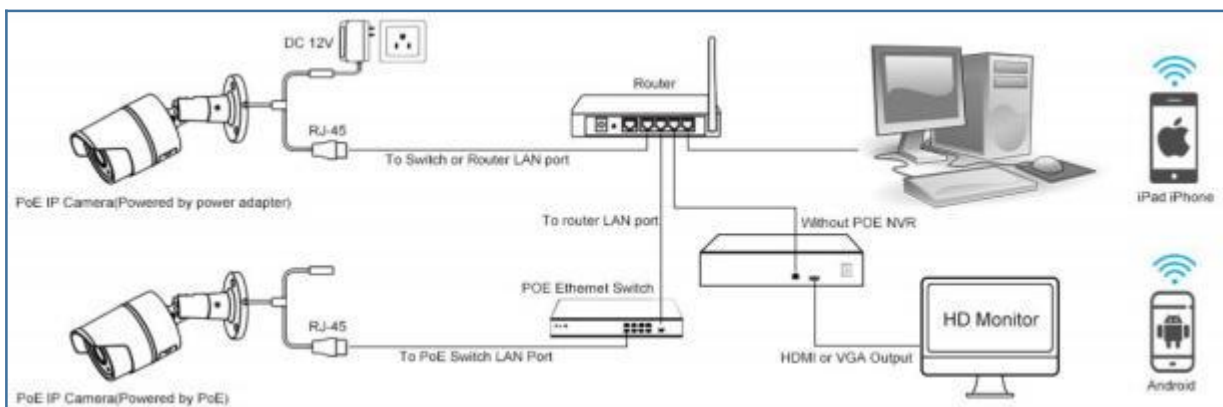


Connecting via a Router or a Switch

- ③ Connect cameras to NVR.



NVR with POE



NVR without POE

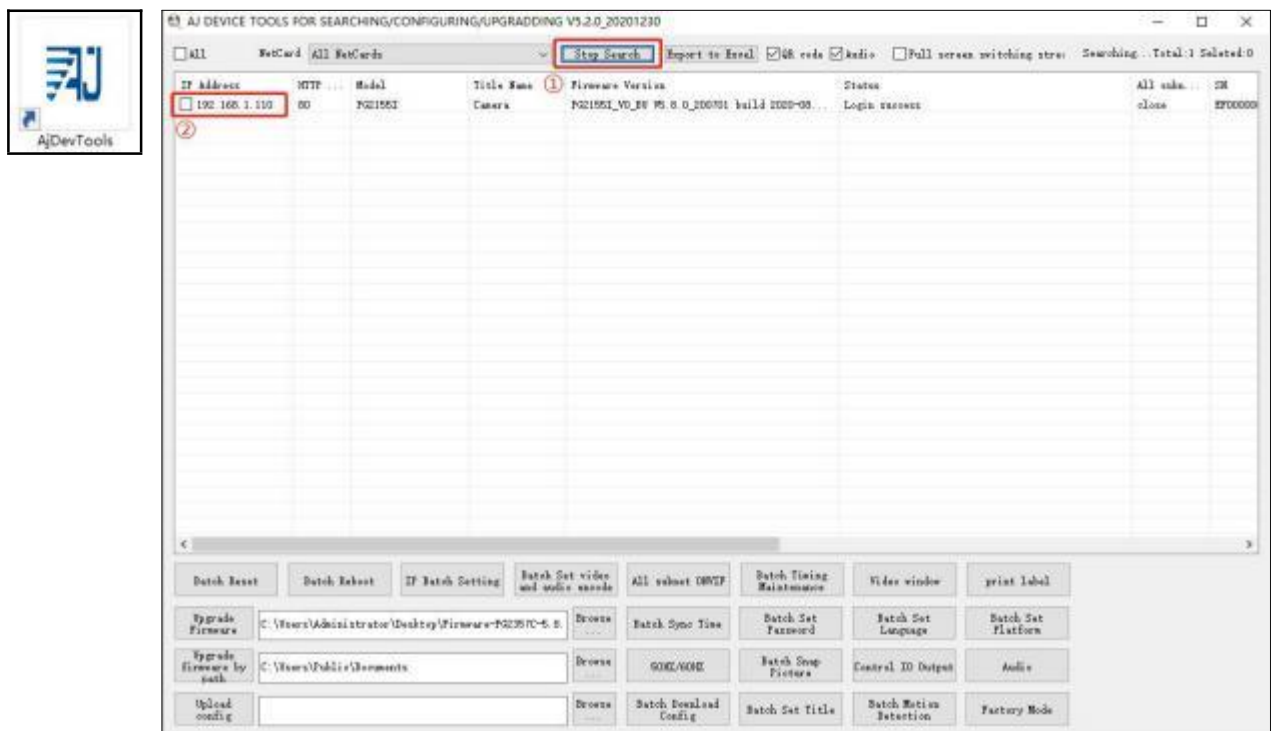
Chapter 3 Access to the Network Camera

3.1 Accessing by Web Browsers

Steps:

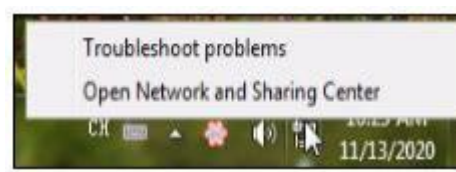
- 1.Computer download and install the AjDevTools or SADP software tool.
- 2.After installation,open the software and click the Start Search.

- ① Search for the IP address of the camera;
- ② Query the IP address of the Camera;

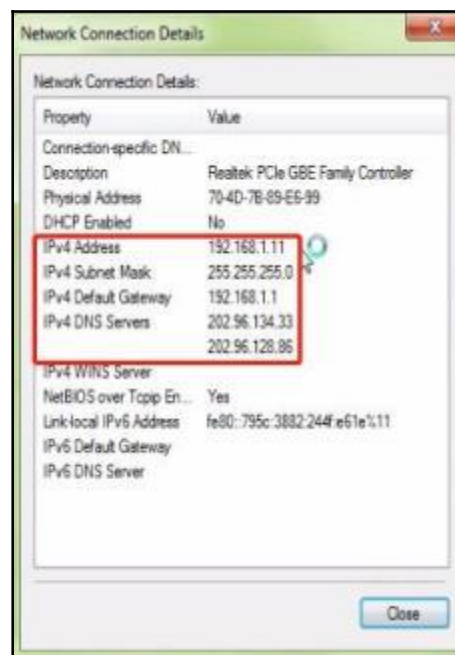
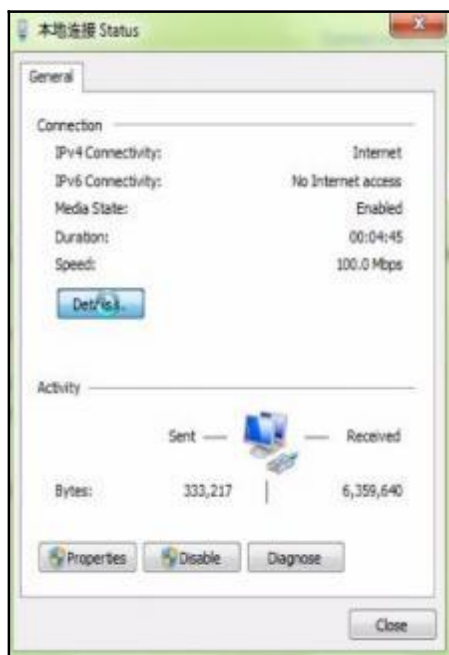


3.Query your computer IP address

- ① Open Network and Sharing Center--- ② Details;
- ③ View your computer's IPv4 Address 、 Subnet Mask and Gateway;



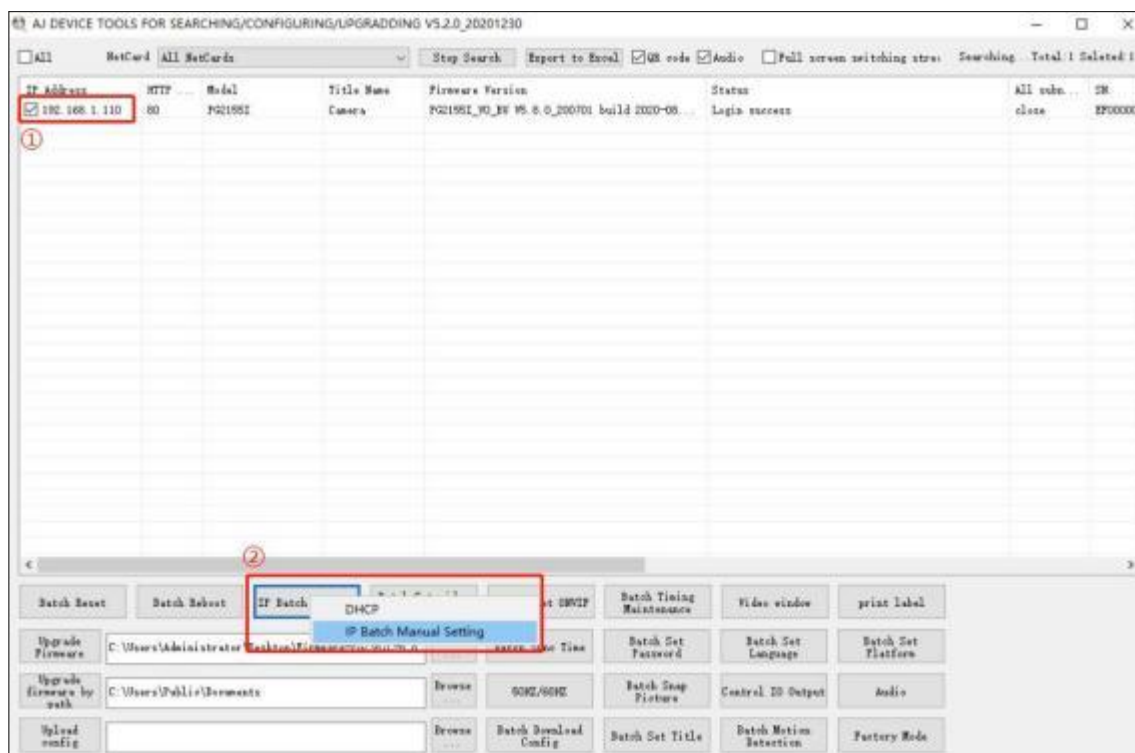
①



4. Modify the IP address of the camera and computer in the same network segment

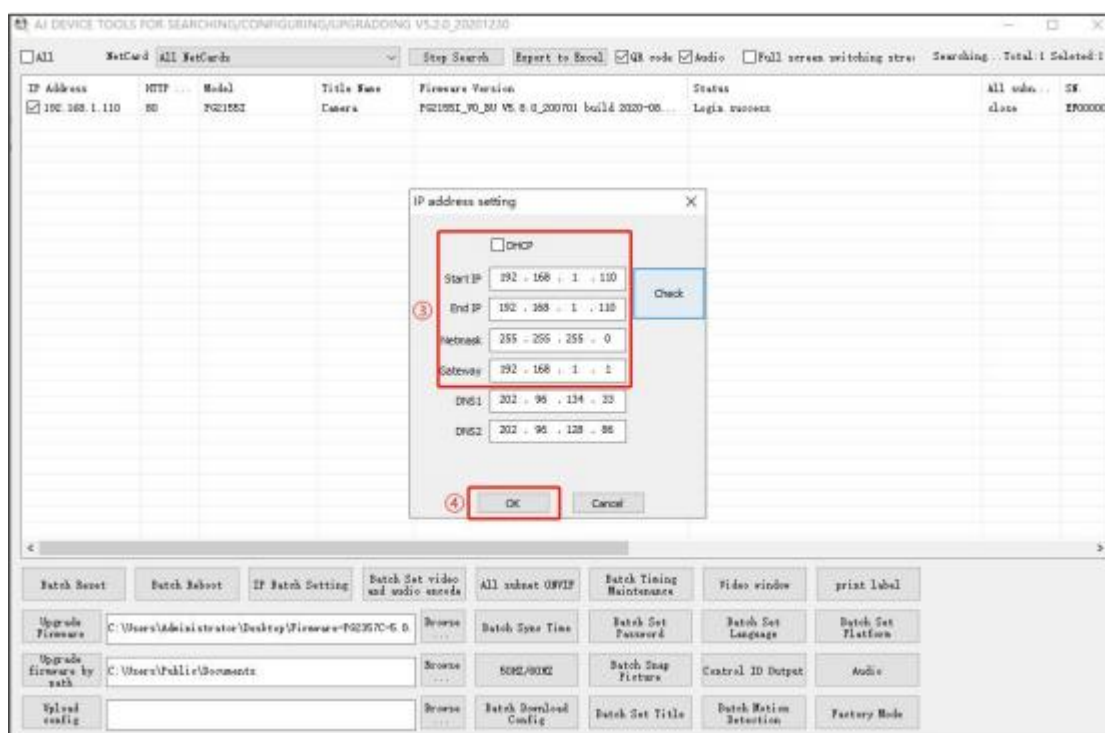
Setting method: ① Select the IP address of the camera;

② Click IP Batch Manual Setting IP address;

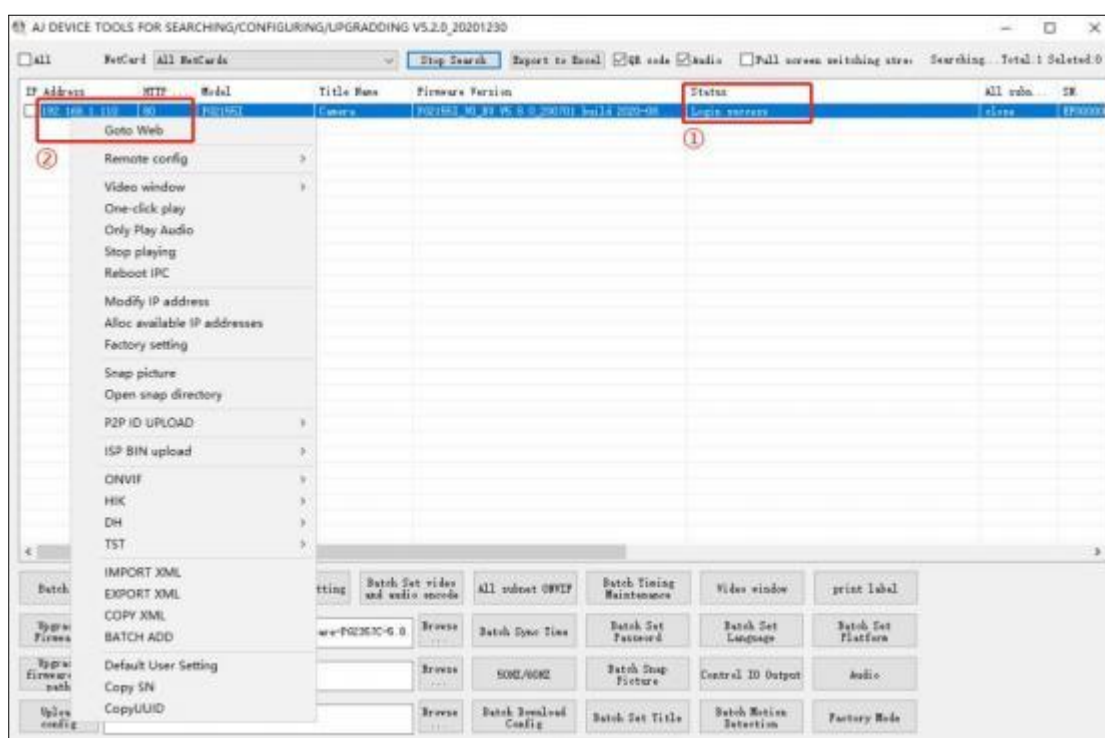


- ③ Modify the IP address of the camera to be in the same network segment as the IP address of the computer or choose DHCP to obtain an IP address automatically;

- ④ Select OK--Successfully modified;



5. The status shows that the Login success, it can be accessed by the computer Web;



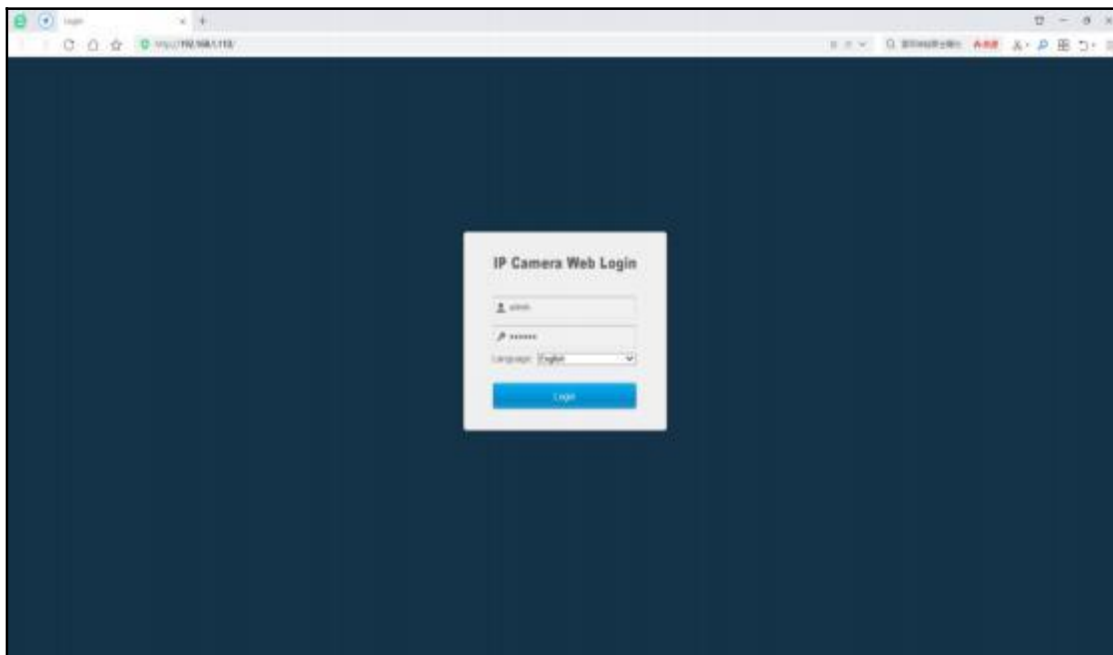
3.2 Web login

1. Open the web browser or click Go to web;
2. In the browser address bar, input the IP address of the network camera, and press the Enter key to enter the login interface;
3. Input the user name and password and click Login.

Note:

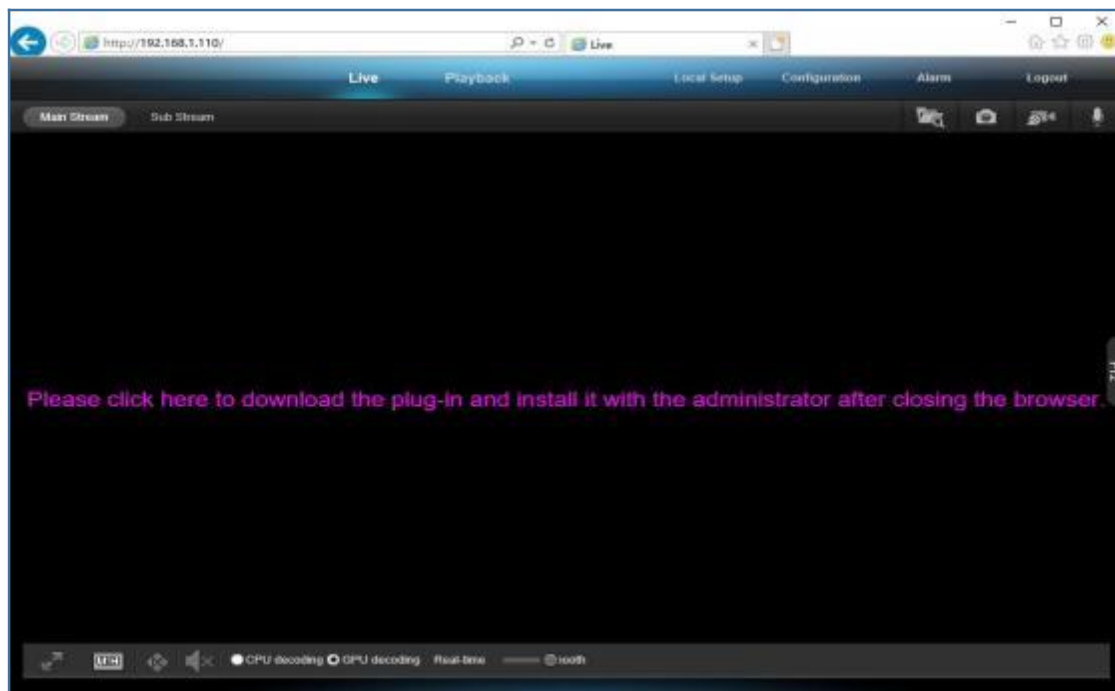
The default IP address is **192.168.1.110**. Username: **admin** Password: **123456**

First login Click “**install Web Plug-in**” when prompted.



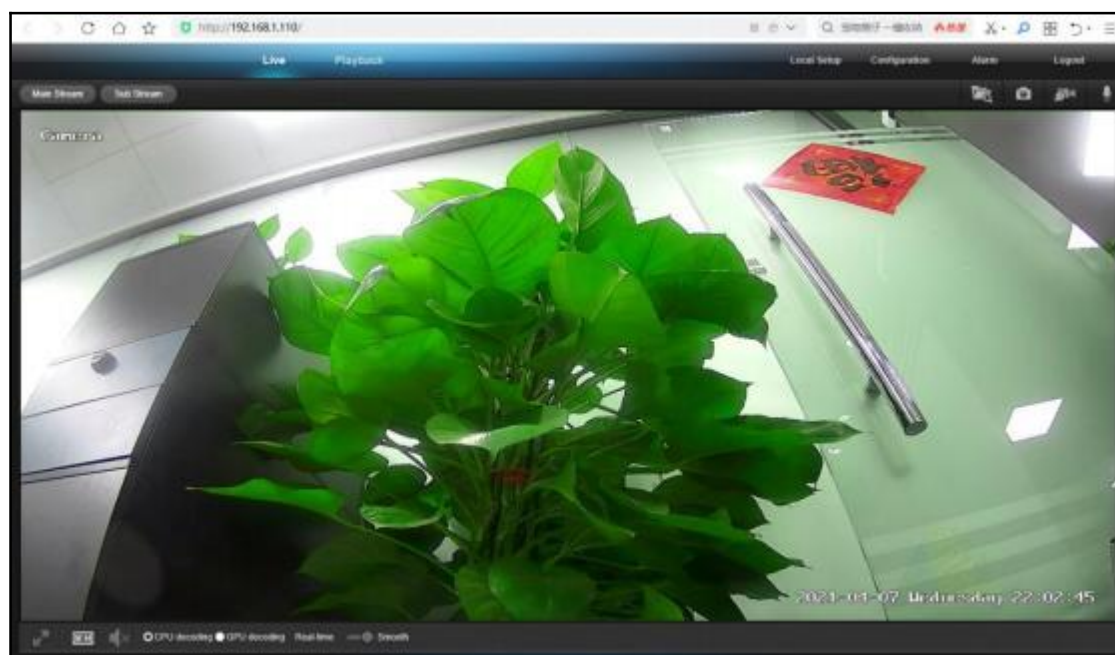
①

- ① You have to download and run the executable as administrator.



②

② If failed to install plug-in, download and save the WEBConfig.exe to computer, close all browsers then re-install it.



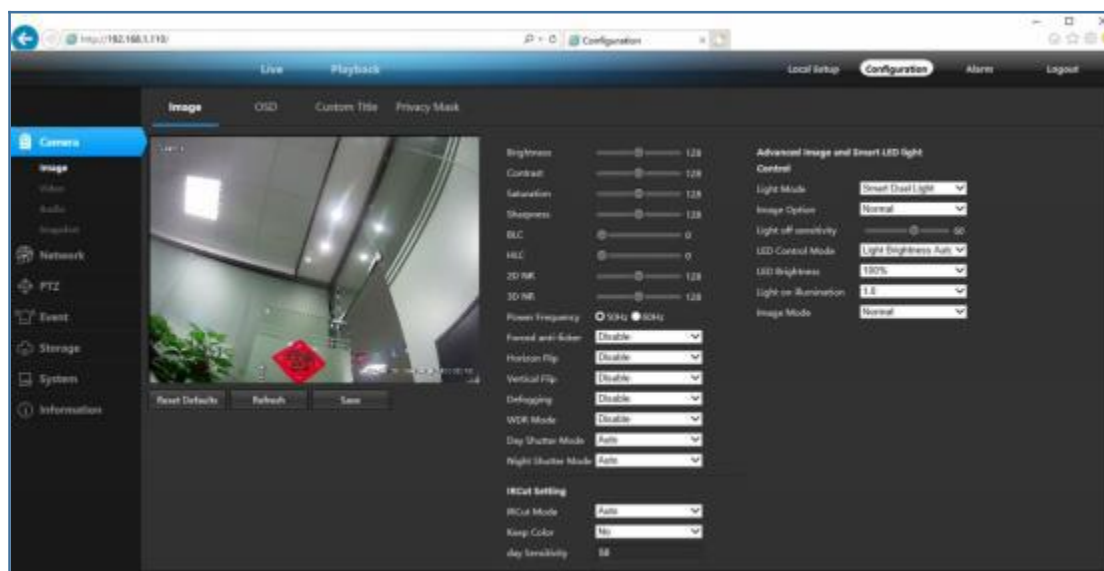
③

③ If there is a delay in video response when accessing remotely, please switch to Sub Stream instead. To learn the function of each button, just put the mouse on, it will show screen tips.

Chapter 4 Camera General Configurations

4.1 Configuring Image Settings

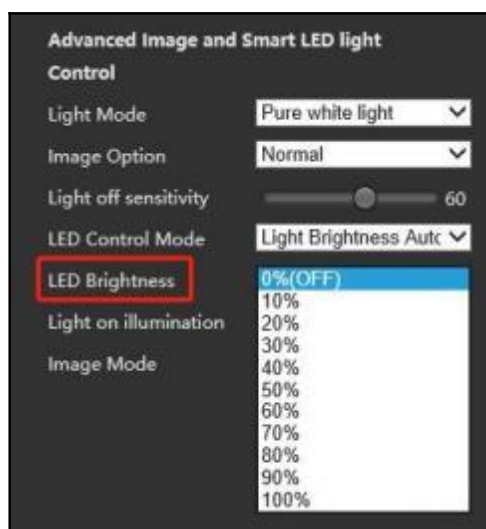
Steps: Configuration > Camera > Image > Image.



Purpose :

Configure the Brightness, Contrast, Saturation, Sharpness, BLC, HLC, 2D 3D NR, **Power Frequency (50 Hz PAL/60 Hz NTSC)**, WDR, IRCut Setting, Advanced Image and Smart LED light Control.

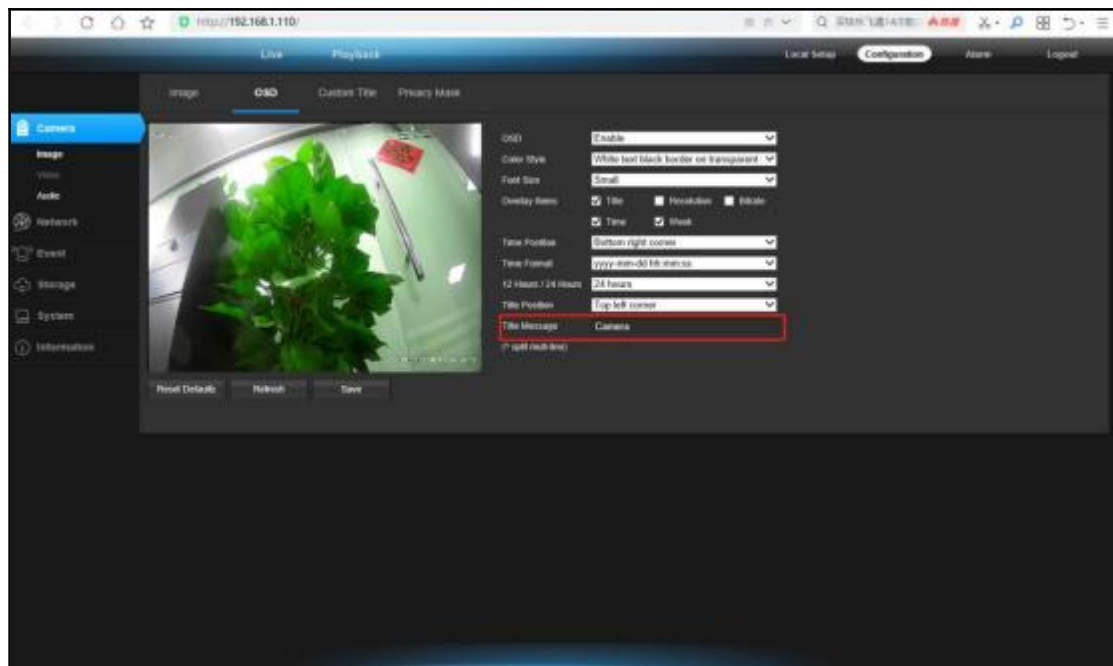
LED Brightness According to the application scenarios of different cameras, the brightness of the lamp can be adjusted, and the adjustment parameters are subject to the actual product.



Note: The display parameters vary according to the different camera models. Please refer to the actual interface for details.

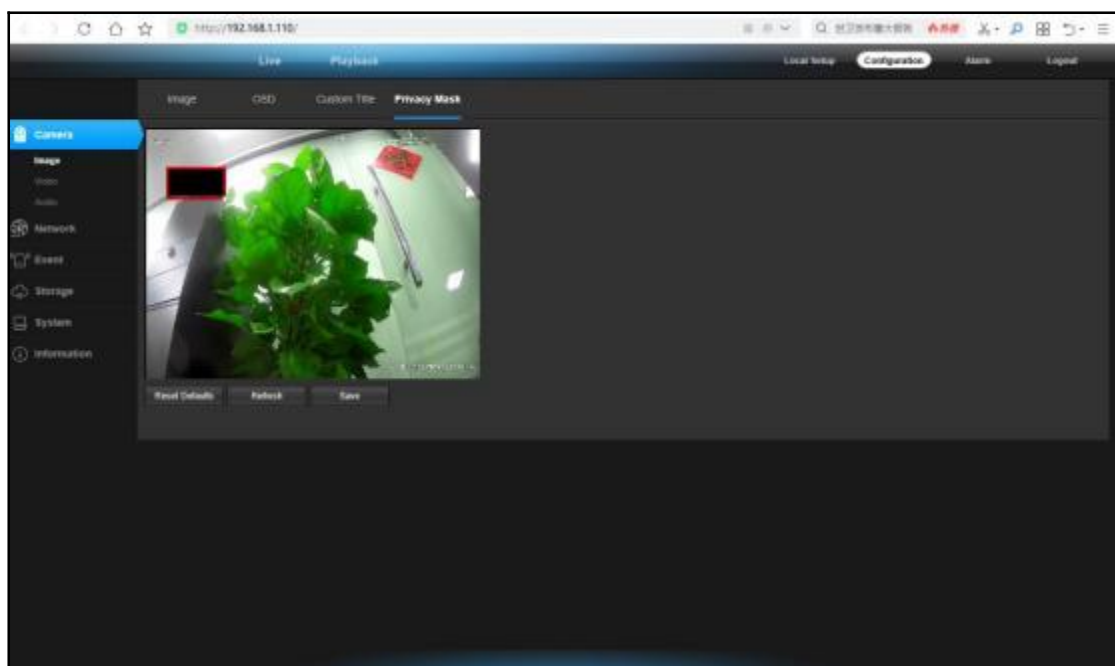
4.2 Modify the camera “Title name”

Steps: Configuration > Camera > Image > OSD > Title Message.



4.3 Privacy Mask function settings

Steps: Configuration > Camera > Image > Privacy Mask > Left mouse button > Select the privacy section > Save. (Can choose four Privacy Mask parts.)

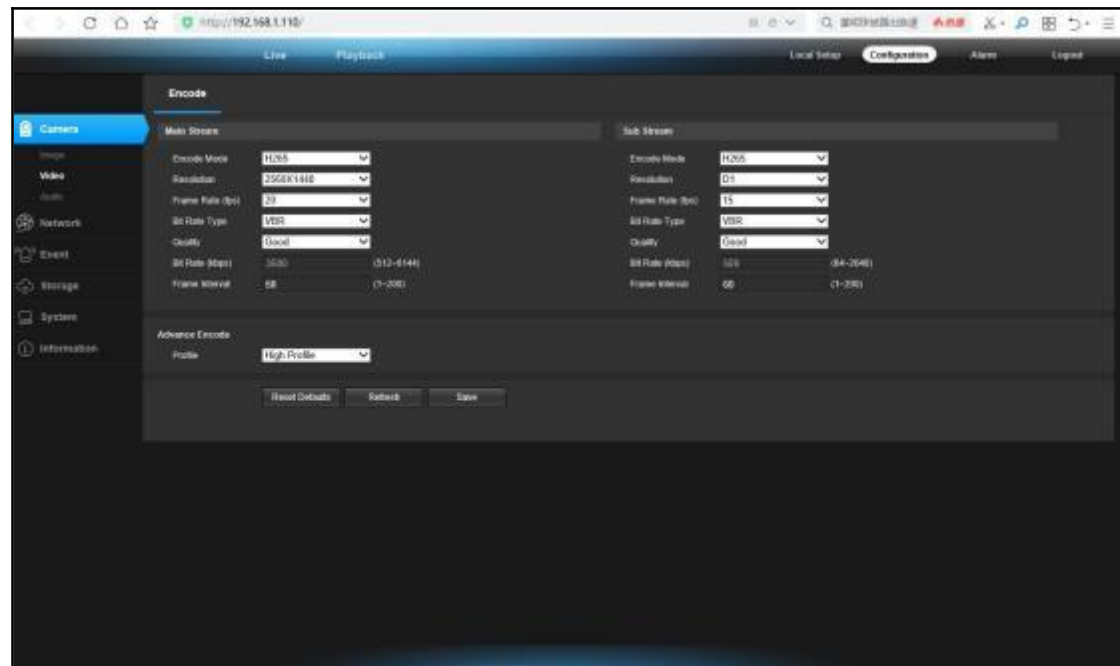


4.4 Video parameter settings

Steps: Configuration > Camera > Video > Encode > Main Stream >

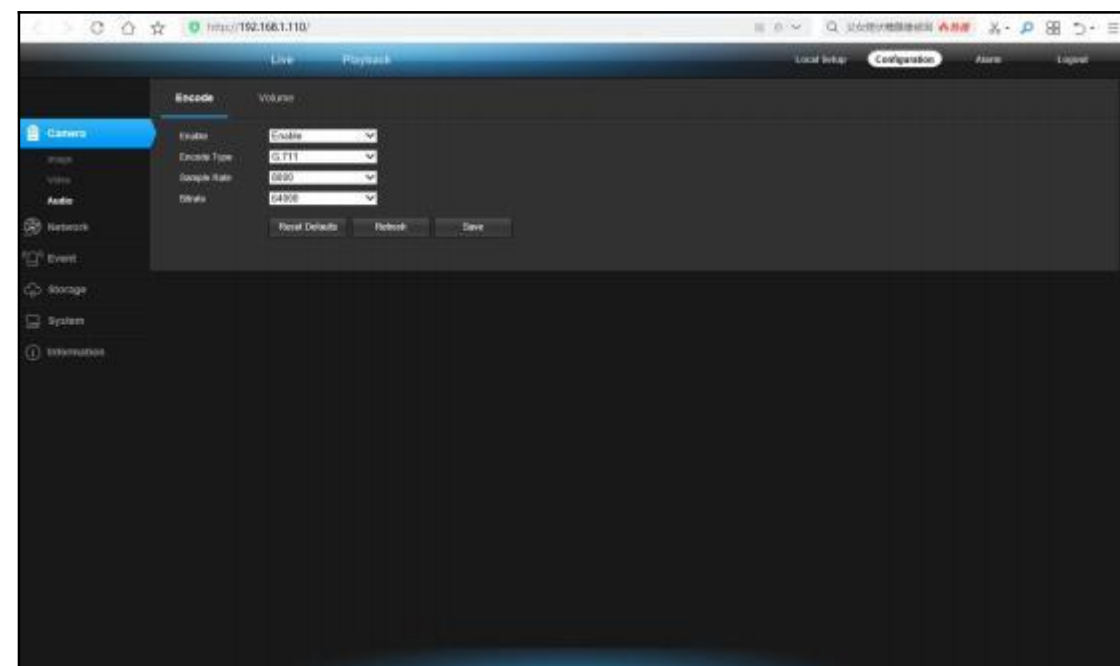
Sub Stream > Advance Encode > Save.

(Can Modify Encode Mode -Resolution-FPS-Video Quality-Bit Rate.)



4.5 Audio settings

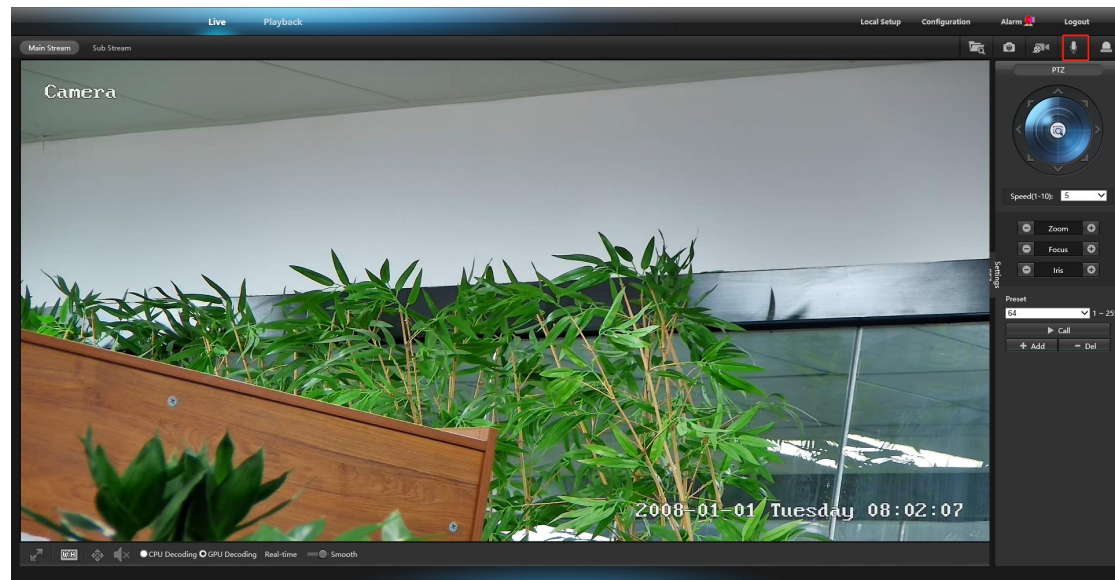
Steps: Configuration > Camera > Audio > Encode > Volume > Save.



4.6 Two-way Audio.(For PTZ-4518X-IS , PTZ-4818X-IS only)

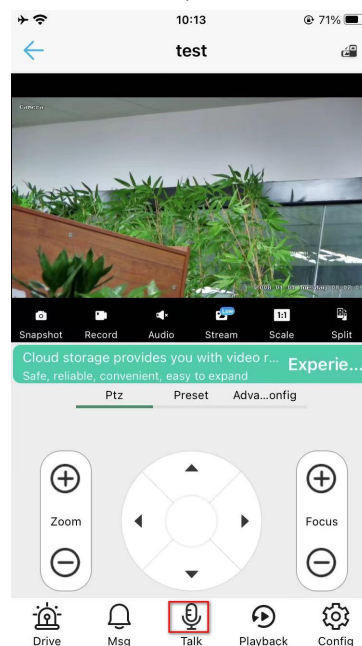
1. Use Two-Way Voice on Computer.

Requires a computer with speakers and mic.



2. Use Two-Way Voice on Videolink

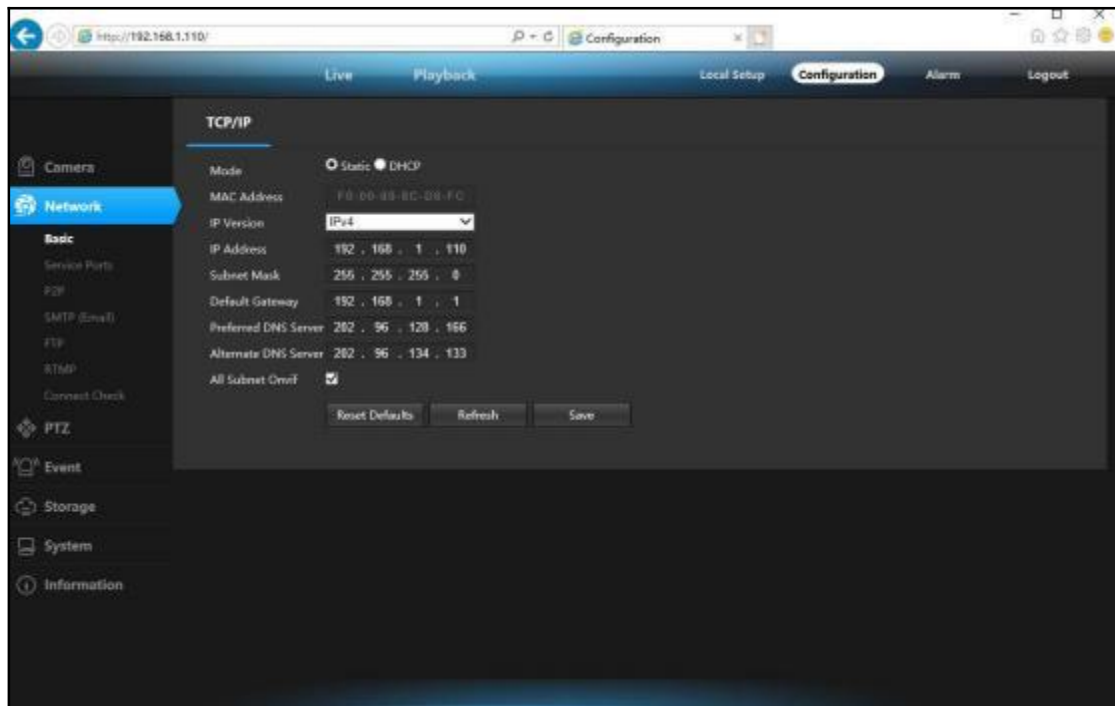
After Videolink is connected to the camera, it can achieve full wireless voice intercom.



4.7 TCP/IP settings

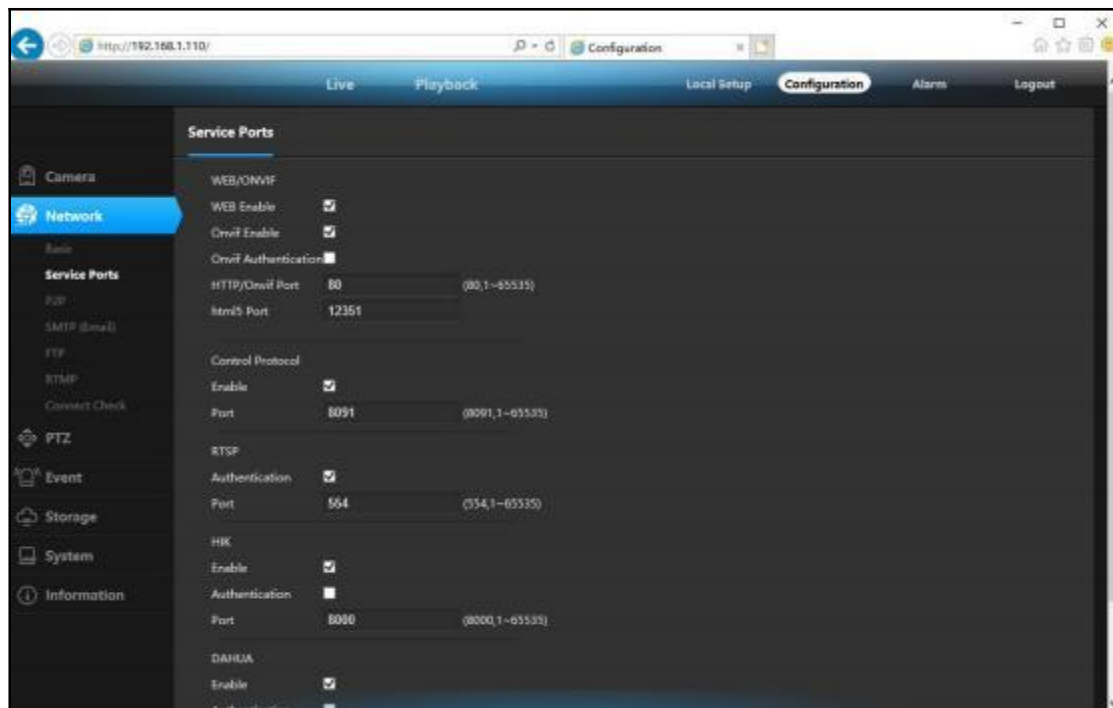
Steps: Configuration > Network > TCP/IP > Save.

(Can manually modify and DHCP IP address.)



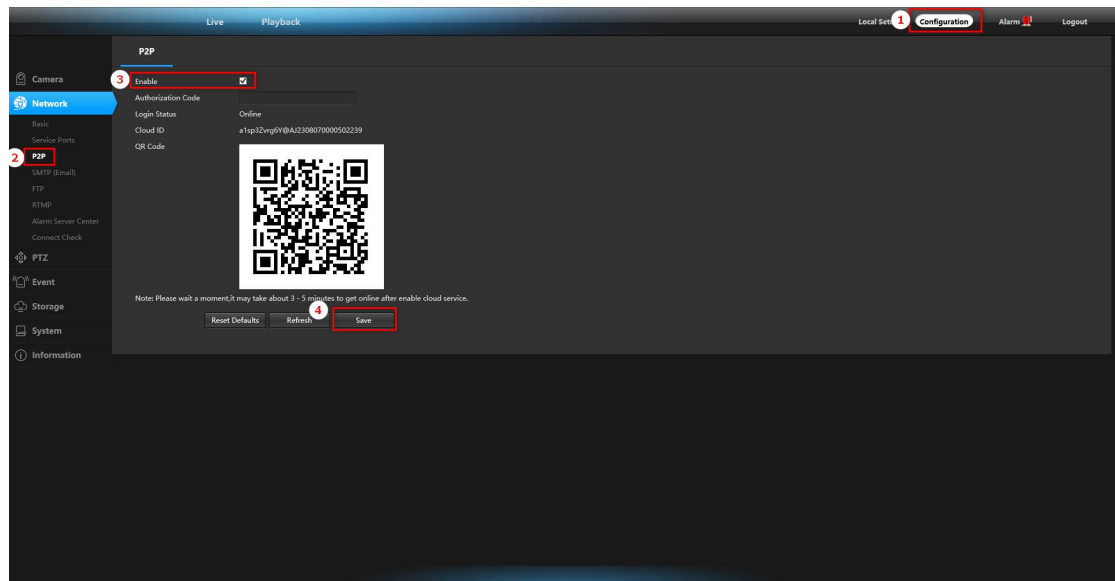
4.8 Service Ports function settings

Steps: Configuration > Network > Service ports > Enable > Save.



4.9 P2P function settings

Steps: Configuration > Network > P2P > Enable > Save.



Using the P2P ID and QR code, you can access the camera remotely anywhere via smart phone with Internet access.

Please register an account via mobile phone after installing the **Videolink** APP from APP Store or Google Play Market, then log in and add your camera to start previewing.

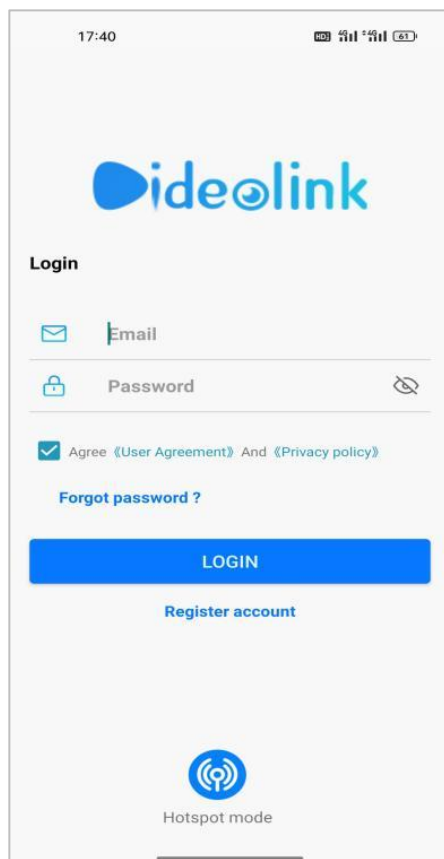
P2P function add steps:

Visit the App Store or the Google Play Store to download the **Videolink** app

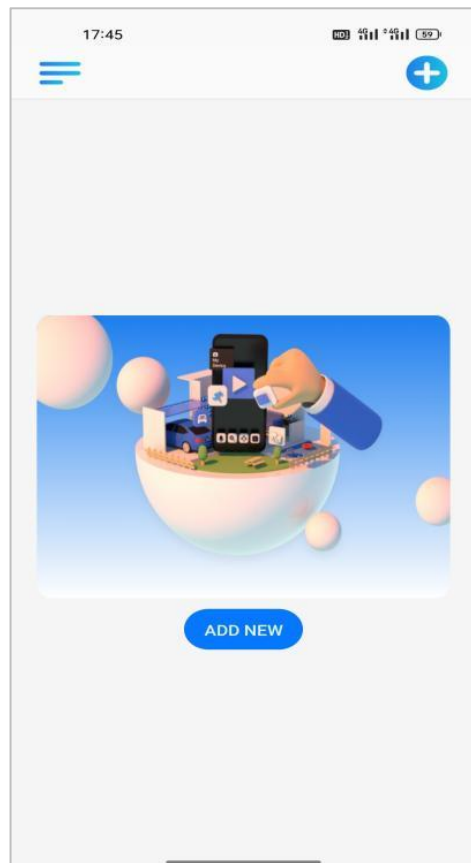
Scan QR code download



Videolink

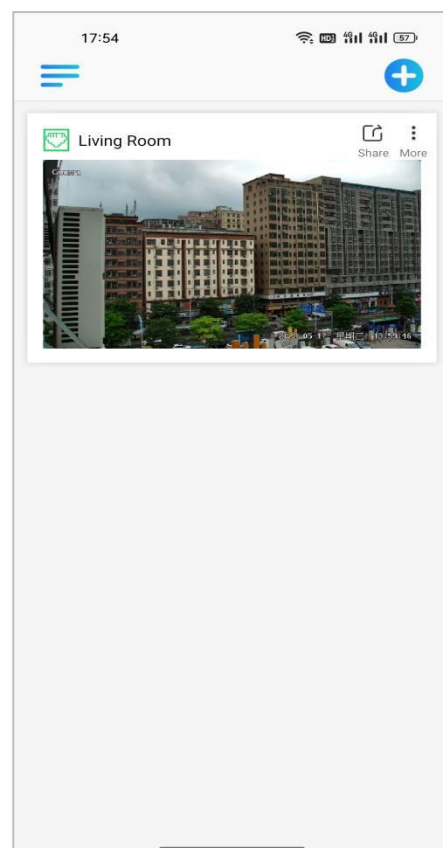
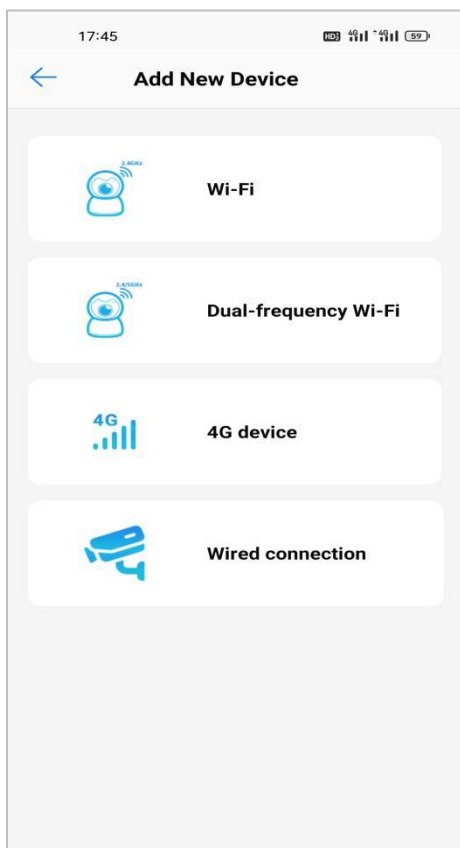


①



②

- ① For new users, please select “**registered account**”.In the following page, Create Account ,and enter your email or mobile number.Fill in the received verification code.
- ② Login with a registered account,Select to “**ADD NEW**”,Select “**Wired connection**” to get into the scan camera QR code page.



③


④


③ Scan the QR code of the **P2P** interface displayed on the web side of the camera->

Choose Name of you Device.The camera has been successfully added to the phone.(Please refer to 3.2.5)

④select the camera list to start viewing video.

Tips:

① Select  to check your account profile and configure settings on .

② To share your camera with your friends or another user, click  icon and type in or scan his/her **Videolink** account.

Note:

If you can not connect the camera, please check your **Internet connection and verify the IP address, gateway, and DNS setting** in the camera. The Cloud login status should be online, which means the camera has registered to the cloud server.

4.10 SMTP (Email) function settings

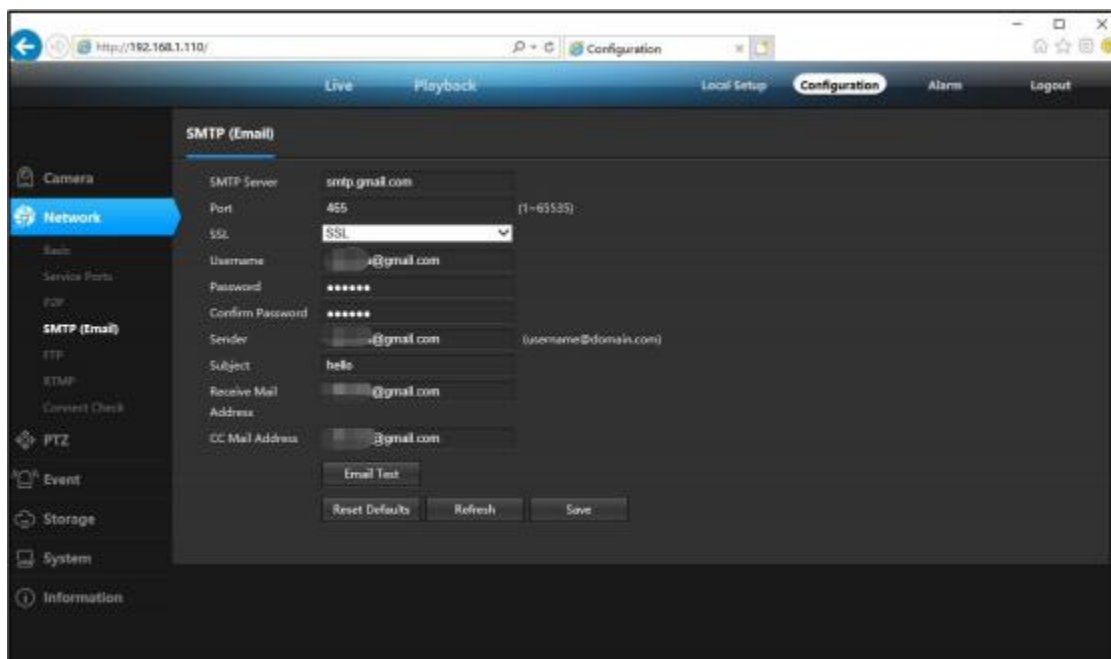
Steps: Configuration > Network > SMTP(Email) > Save.

Purpose:

The system can be configured to send an Email notification to all designated receivers if an alarm event is detected, e.g., motion detection event.

Before you start:

Please configure the DNS Server settings under Configuration > Network > Basic > TCP/IP before using the Email function.



SMTP Steps:

1. Enter the TCP/IP Settings (Configuration > Network > Basic > TCP/IP) to set the IPv4 Address, Subnet Mask, Default Gateway and the Preferred DNS Server.
2. Enter the SMTP (Email) interface: Configuration > Network > SMTP (Email).
3. Configure the following settings:

SMTP Server: IP address or host name (e.g., smtp.gmail.com) of the SMTP Server.

Port: The SMTP port. The default TCP/IP port for SMTP is 25 (not secured). And the SSL SMTP port is 465.

SSL: Disable, SSL, and StartTLS. When you select SSL or TLS , e-mails will be sent

after encrypted by SSL or TLS. The SMTP port should be set as 465 for this encryption method.

Username: Enter the correct email address.

Password: Need a third party authorization password.

Sender: Sender email address.

Receive Mail: The email address of user to be notified.

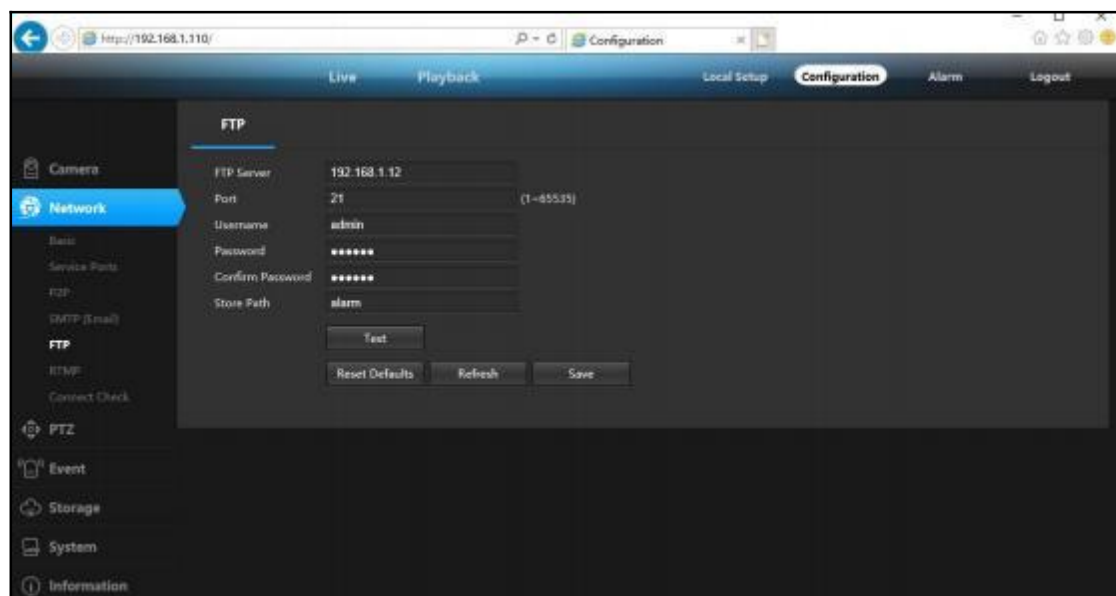
4. Click **Save** to Save the setting.

4.11 FTP function settings

Steps: Configuration > Network > FTP > Save.

Purpose:

You can configure the FTP server related information to enable the uploading of the captured pictures to the FTP server. The captured pictures can be triggered by events or a timing snapshot task.



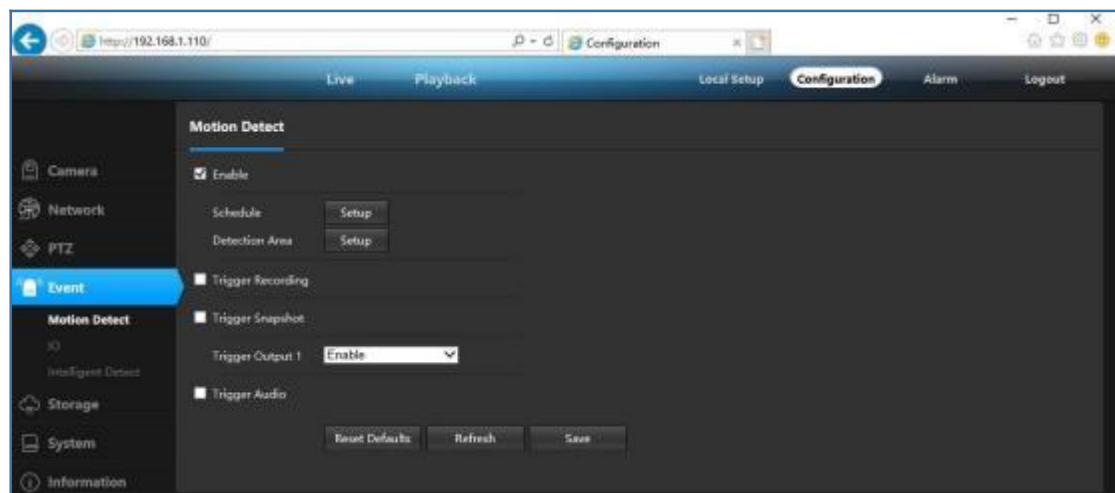
FTP Steps:

1. Input the server address and port.
2. Configure the FTP settings; and the user name and password are required for the server login.

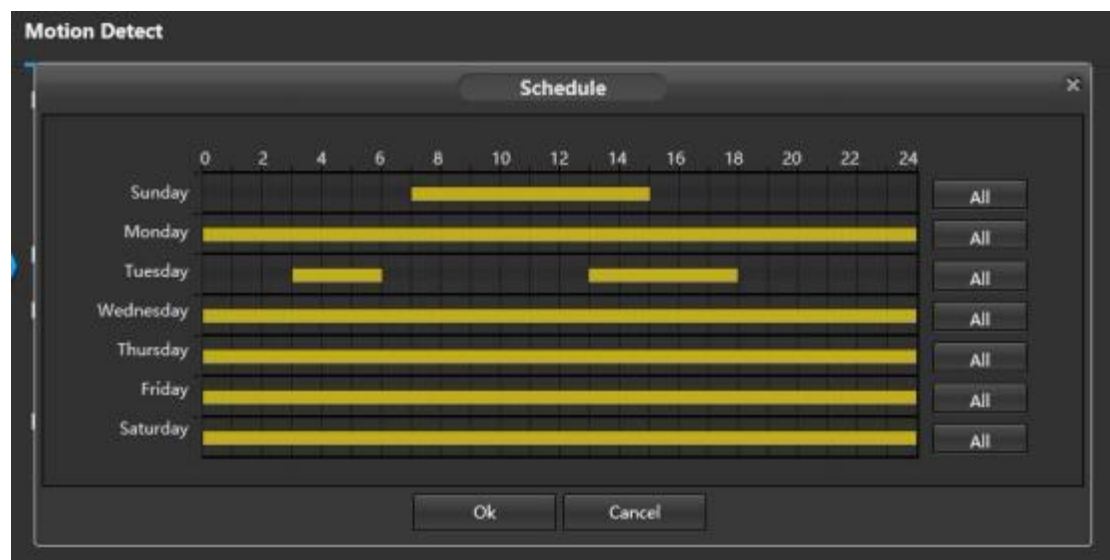
3. FTP Store Path.
4. Click **Save** to Save the setting.

4.12 Enable Motion Detection Alarm

Steps: Configuration > Event > Video Detection > Enable > Setup Schedule > Setup Detection Area.



Schedule : Click Schedule “Setup” to set alarm period. It can enable alarm event only in the working period, then click “Ok” to complete schedule setting

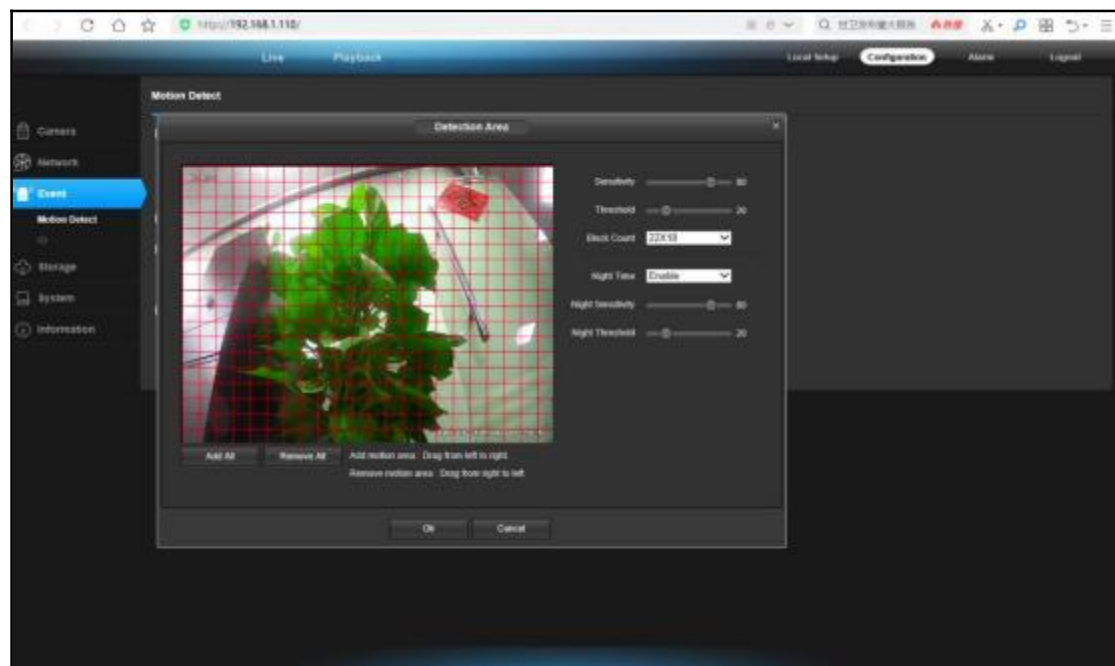


It is to set working period accordingly to the following methods:

- Press the left mouse button to drag on the setup interface to set.
- Click All to select the whole day

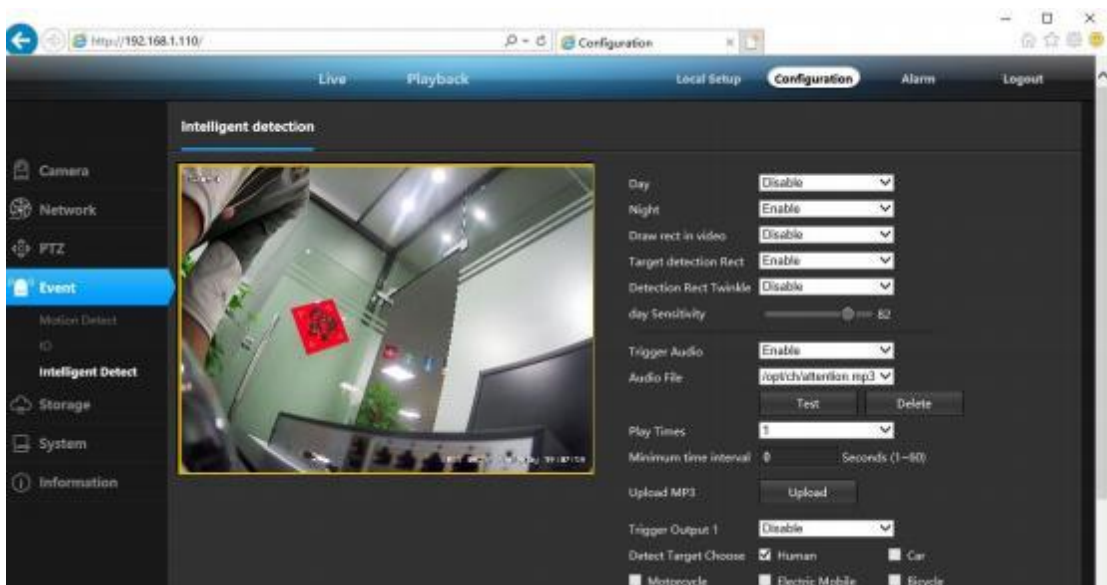
Detection Area: Click Schedule “Setup”--Sensitivity--Threshold--Block Count--

Night Time(Enable)--Night Sensitivity--Night Threshold.



4.13 Enable Intelligent Detect Alarm

Steps: Configuration > Event > Intelligent Detect> Save.



Intelligent detection Steps:

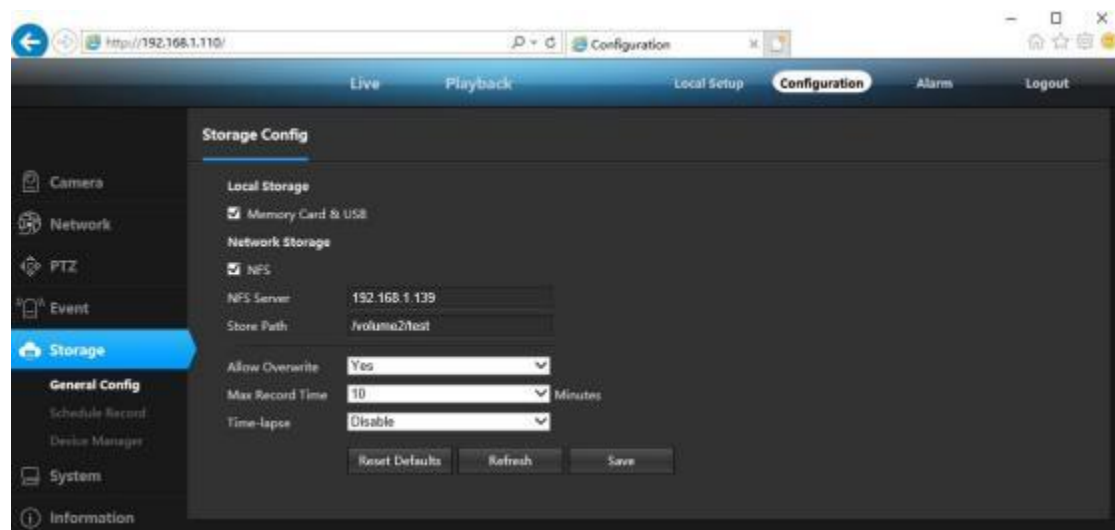
1. **Day and Night:** Intelligent detection opening time selection.
2. **Draw rect in video:** Set the size of the detection area.
3. **Target detection Rect:**Preview Display Detection Target Box.

4. **Sensitivity:** Range [1- 100]. Sensitivity stands for the percentage of the body part of an acceptable target that enters the pre-defined region
5. **Trigger Audio:**Need to support speaker function can voice alarm prompt.
6. **Detec Target Choose:**supports Human detection and Car detection.
7. Click **Save** to Save the setting.

Note: Motion detection alarm and Intelligent detection alarm cannot be used at the same time.

4.14 Storage Setting

Steps: Configuration > Storage > General Config > Save.



NFS Steps:

1. Select NFS , fill in the correct NFS server IP address and Store Path.
2. Click **Save** to Save the setting.
3. View Device Manager--Network Storage Device--State is mount

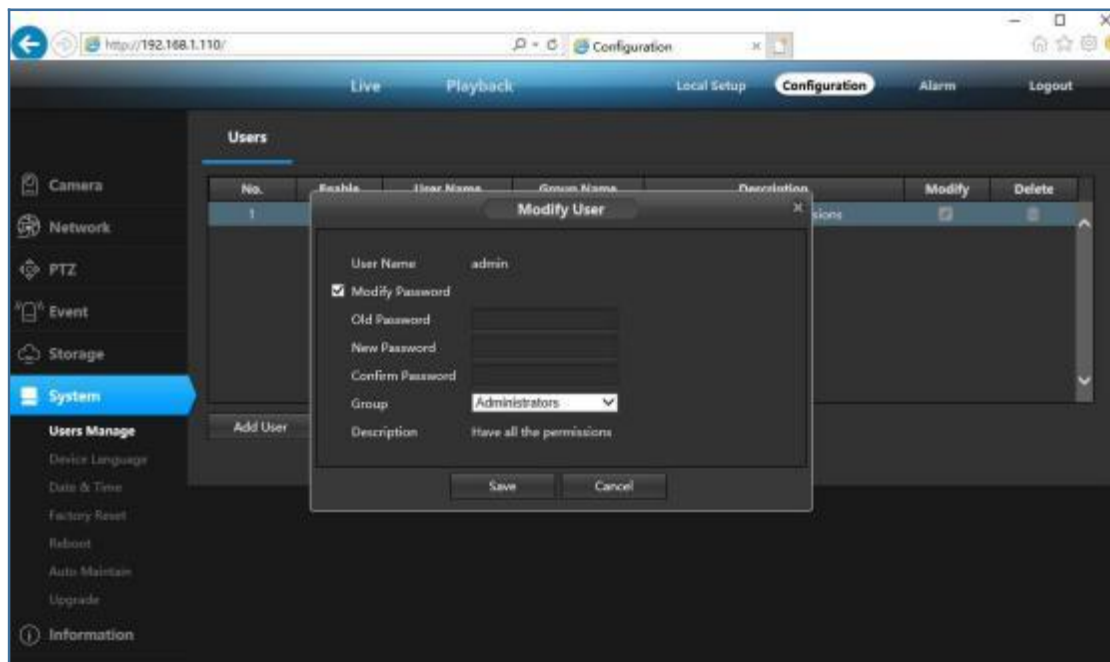
Tips:

Before saving NFS, please confirm if the NFS server has been opened, and the read and write permissions have been turned on.

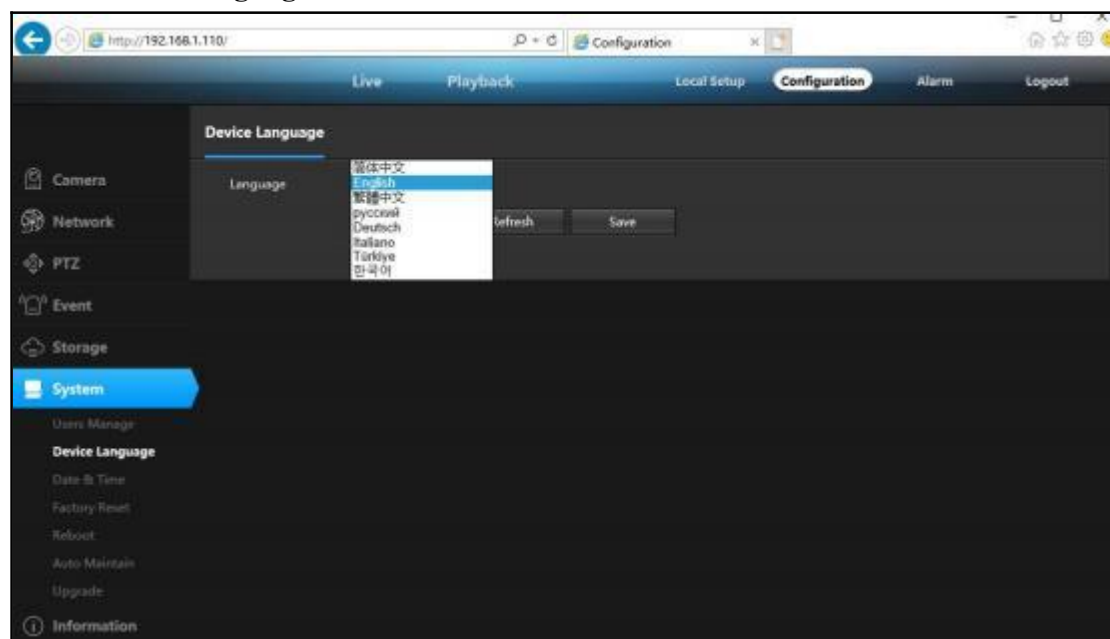
4.15 Users Manage Modify Password

Steps: Configuration > System > Users Manage > Users > Add User or Modify

Password.



4.16 Device Language



4.17 Modify the camera “Time & Date”

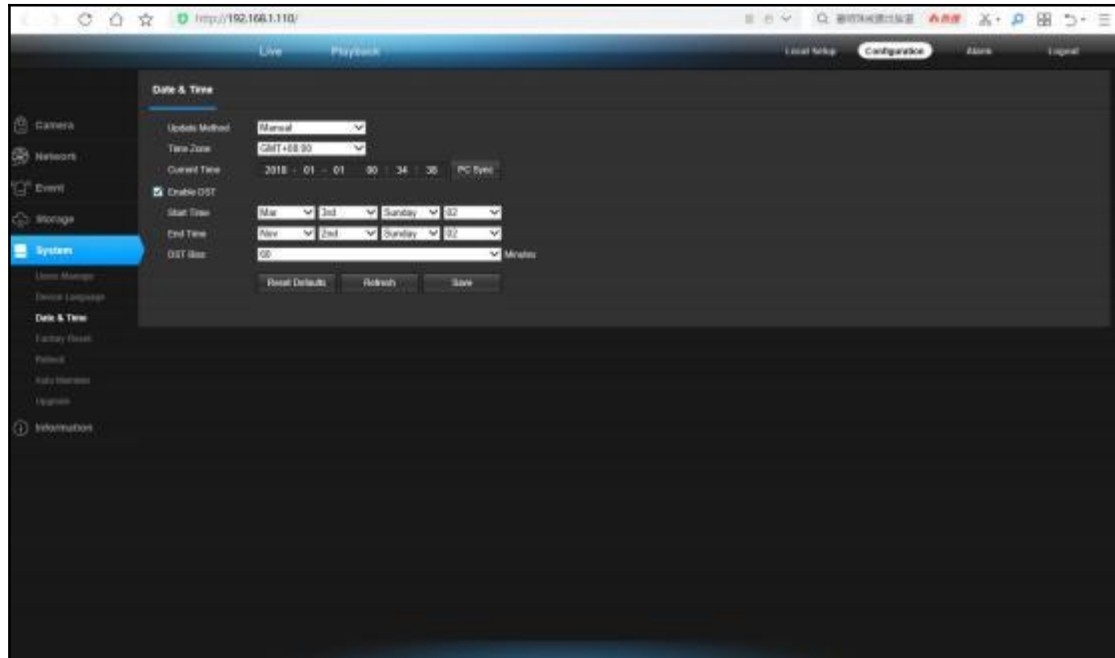
Steps: Configuration > System > Time setup.

There are two time update modes available: Manual and NTP.

- Select your **Time Zone**, and click **PC Sync**, click **Save**, You can also set up the

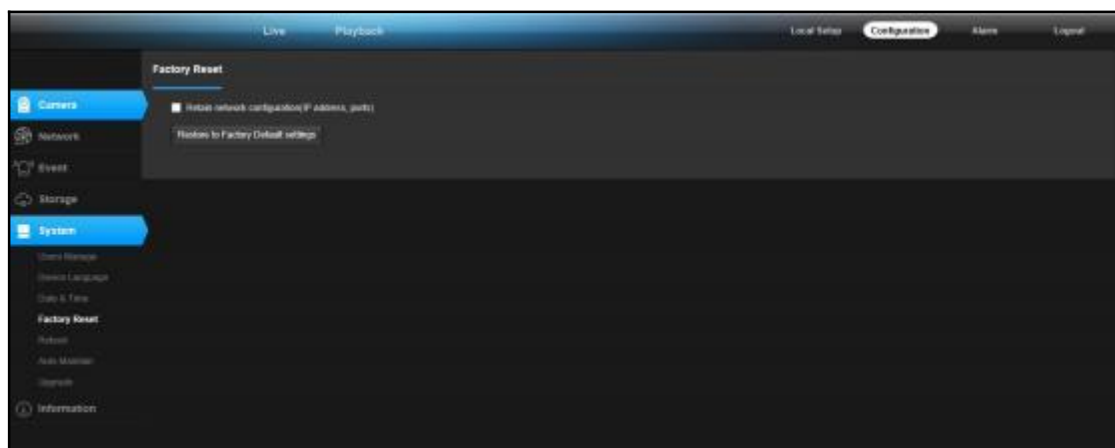
DST (Daylight Savings Time) if necessary. (Time and date will reset to 2018-01-01 if camera was restarted)

■ If the camera is connected to the Internet, you can set up a **NTP server** for the camera to sync the time and date automatically.



4.18 Factory Reset

Steps: Configuration > System > Factory Reset.

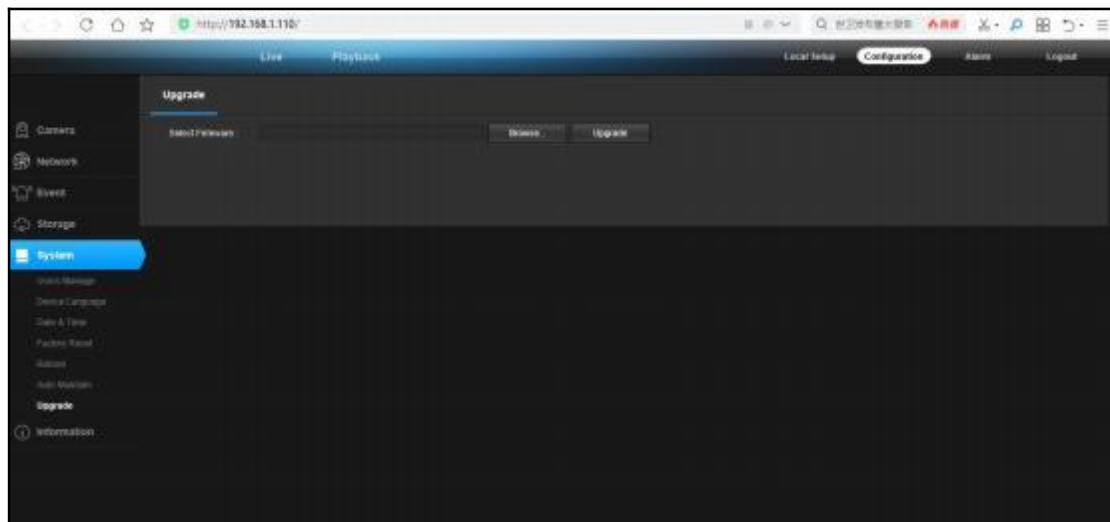


4.19 Version firmware upgrade

Steps: Configuration > System > Upgrade > Select Firmware.

Normal state, it is not recommended to upgrade the firmware, please confirm the

version with the technician before upgrading.



4.20 Auto Tracking(For PTZ-4518X-IS.PTZ-4818X-IS only)

Enable Auto Tracking.(call 92)



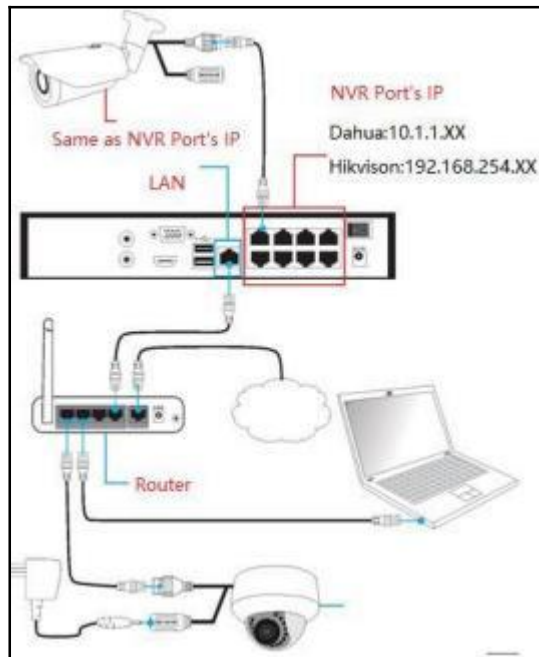
Disable Auto Tracking.(call 94)



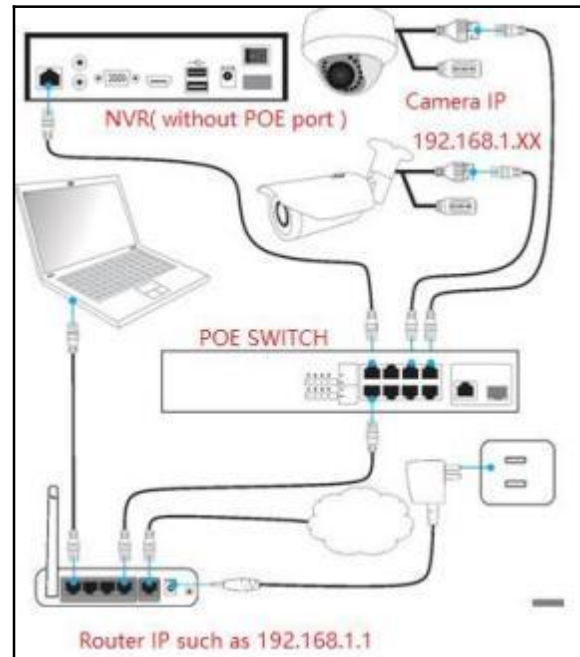
4.21 Camera Connection to NVR

There are two ways that connect to NVR (two types of NVR).

- Connect to POE port NVR.
- Connect to without POE port NVR.



POE port NVR



Without POE port NVR

The camera can work with Hikvision POE NVR, Plug and Play, besides, the IP camera also supports standard ONVIF protocol, which can be added to third-party video recorder easily with ONVIF.

Note:

- ① Before connecting cameras to NVR that has POE switch, make sure the NVR and cameras have valid IP scheme that matches each other. (e.g.: Dahua NVR POE Port's IP Network Segment is 10. 1. 1.XX, so the camera IP must be 10. 1. 1.XX)
- ② Before connecting cameras to NVR that has no POE switch, make sure the NVR, cameras and the POE switch router have valid IP scheme that matches each other. (e.g.: POE switch router's IP is 192. 168. 1. 1, so the camera IP must be 192. 168. 1.XX)
- ③ Some POE NVR models support plug and play (such as Hikvision POE NVR),

if the “Plug & Play” feature is not available or not applicable, please add camera manually.

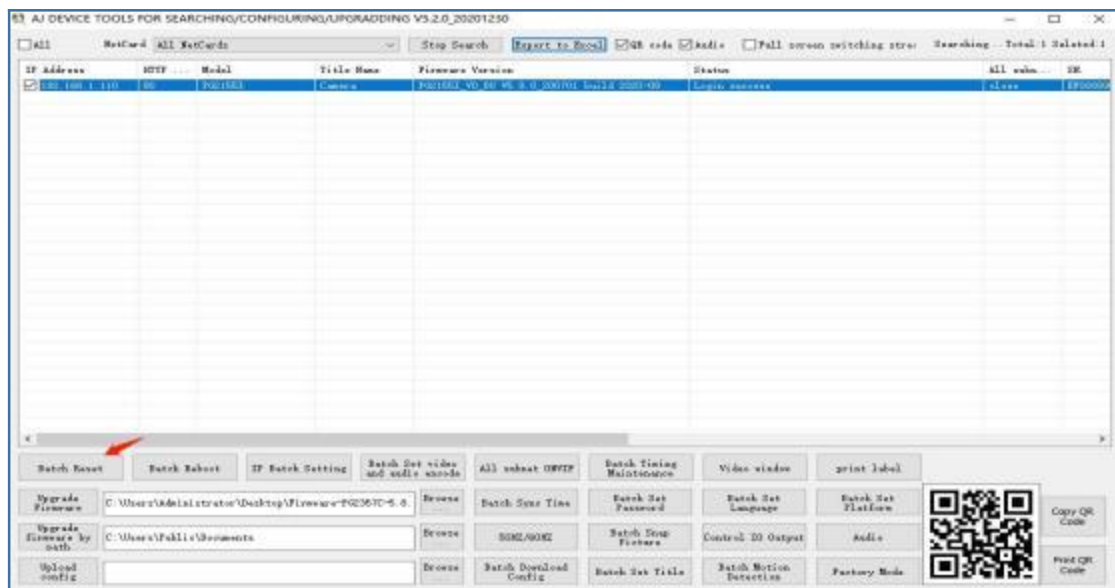
Chapter5 Frequently Asked Questions

5.1 Why can't I open the default IP address 192.168.1.110 via web browser ?

The default IP address may not match your LAN's IP scheme. Check your computer's IP address before accessing the camera. If the IP address does not match the 192. 168. 1.x scheme, please install the IP search tool from the download website to modify the camera's IP address. Make sure the IP address of the camera matches the LAN IP scheme. For example, if the your LAN is 192. 168.0.xxx, then set the IP camera to 192. 168.0. 123 and so on.

5.2 How to reset the password ?

The default Username: admin, Password: 123456. If you lost the password or want to reset the camera's setting, please install the search tool to search the camera IP and click **Batch Reset** button.



5.3 How to upgrade the IP camera ?

① Ask the supplier for the suitable firmware. ② You can use the web browser, search tool, or PC client to upgrade the camera. ③ Go to the **Configuration > System > update**, click **browse** and select the firmware, then click **Upgrade** button and wait for the operation to complete.

5.4 How to fetch the RTSP video stream and http snapshot ?

- ① Main Stream: rtsp://admin:123456@IP address/stream0
- ② Sub Stream: rtsp://admin:123456@IP address/stream1

5.5 Why does the NVR not show image after adding your IP camera ?

- ① Make sure you selected the right protocol and enter the correct username and password when adding the cameras.
- ② Make sure the NVR and IP camera are the same IP scheme.
(eg. NVR:192. 168. 1.x, and IP camera:192. 168. 1.y).
- ③ Try changing the camera encode mode to H.264 if the NVR can't support H.265. (**Configuration -> Camera -> Video > Encode mode: H.264**)

5.6 How to make the NVR record in motion detection mode ?

- ① Enable the IP camera motion detection function via web browser.
- ② add the IP camera via ONVIF protocol.
- ③ change the NVR record mode to Motion Detection mode.
- ④ check the NVR screen motion detection icon and try playback (*Please refer to your NVR's manual for NVR's motion record option.*)

Chapter 6 PTZ Preset Command

Functions	Command
Sequence No.1(Preset1-32)	Start: Call 41 , Stop: Set 41
Sequence No.2(Preset17-32)	Start: Call 42 , Stop: Set 42
Sequence No.3(Preset65-80)	Start: Call 43 , Stop: Set 43
Sequence No.4(Preset118-127)	Start: Call 44 , Stop: Set 44
Sequence No.5(Preset136-144)	Start: Call 45 , Stop: Set 45
Sequence No.6(Preset145-160)	Start: Call 46 , Stop: Set 46
Sequence No.7(Preset161-176)	Start: Call 47 , Stop: Set 47
Sequence No.8(Preset177-192)	Start: Call 48 , Stop: Set 48
Set Patrol residence Time	Set 114+Set N (N is 1-254)
Erase Sequence No.1-No.8	Call 33
Set Guard Position	Set 56/92
Turn on Guard tracking	Call 56/92
Turn off tracking	Call 58/94
Set tracking time	Set 93+Set N (N is 20-255)Default 60
IR-Auto	Call 81
IR-Open	Call 82
IR-Close	Call 83