Network Camera

User Manual

Version：9.1.2.3

Statement

Thank you for purchasing our product. If there are any questions or requests, please do not hesitate to contact the dealer.
This manual applies to network camera.
This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

Before use

Visit our website (www.herospeed.net) for instructions, application tools and more.
Please check the equipment before use. For details of the school time configuration method, see “7.2.1 System Configuration ②Time Settings”.

Legal Disclaimer

- Should any reasons below cause the product destroyed or service stop, we will assume no responsibility for your or third party’s personal injury and property loss: ① No installation or use according to instruction strictly. ②For sake of state-building maintenance or public interest. ③ Cases of force majeure. ④ Your personal or third party reasons. (Include no limitation use of third party’s products, software or components)
- Our company has never guaranteed the products for improper or illegal purposes and uses. This product cannot be used as medical & safety devices or other applications that will cause danger or injury. And loss or responsibility caused by above uses, you must bear it by yourself.
- With correct installation and use, this product can detect the illegal intrusion, but it can not avoid accidents and personal injury or property damage due to these accidents. Please be on the alert in your daily life, reinforce your safety awareness.
- Our company assumes no responsibility for any indirect or occasional or special or punitive damages, request, property damage or any loss of data or file. Within the max scope of law allowed, our company’s compensation is no more than the products amount you paid.

Safety Instruction

This manual is intended to ensure that user can use the product properly without danger or any property loss. Please read it carefully and take care of it for further reference. Precaution measures are divided into “warnings” and “cautions” as below:
Warnings: Neglecting any of the warnings may cause death or serious injury.
Cautions: Neglecting any of the cautions may cause injury or equipment damage.

Warning Follow these safeguards to avoid death or serious injury	Caution Follow these precautions to Prevent potential injury or Property loss

Warning

- Electrical safety regulations of the nation and the region must be strictly followed during installation or use.
- Please use the matched power adapter from standard company.
- Do not connect multiple IPCs with one single power adapter (Overload for adapter may lead to over-heat or fire hazard.
- Shut down the power while connecting or dismounting the device. Do not operate with power on.
- The device should be firmly fixed when installed onto the wall or beneath the ceiling.
- Shut down the power and unplug the power cable immediately when there is smoke, odor or noise rising from the IPC. Then contact the dealer or service center.
- Please contact the local dealer or latest service center when IPC works abnormally. Do not attempt to disassemble or modify the device yourself. (We shall shoulder no responsibility for problems caused by unauthorized repair or maintenance.

Cautions

- Make sure the power supply voltage is correct before using the camera.
- Do not drop objects onto the device or vibrate the device vigorously, and keep the device away from locations where magnetic interference is present. Avoid installing the device where the surface is vibrating or subject to shock (ignoring this may damage the device).
- Do not aim the camera lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the camera.
- Do not expose the IPC used indoors to places that may be exposed to rain or very humid.
- Store in a dry, non-corrosive atmosphere, away from direct sunlight, in poorly ventilated locations, or near heat sources such as heaters or heaters (ignoring this may result in a fire hazard).
- To avoid IPC damage, do not place the IPC in a location where there is soot or water vapor, too high temperatures, or lots of dust.
- Do not touch the heat sink of the product directly to avoid burns.
- When cleaning, wipe off the dirt on the casing with a soft cloth. When cleaning the dirt, it should be cleaned with a dry cloth. When the dirt is not easy to remove, it can be wiped clean with a neutral detergent. Do not use alkaline cleaner to wash. If there is dust on the lens, use a special lens paper to wipe it.
- Products connected to the Internet may face network security problems. Please strengthen the protection of personal information and data security. When you find that the product may have a network security risk, please contact us in time.
- Please understand that it is your responsibility to properly configure all passwords and other related product security settings, and keep your username and password in a safe place.
- Please keep all the original packaging materials of the product properly, so that when there is a problem, use the packaging materials to package the product and send it to the agent.

(Note: Full-text network camera is referred to as IPC for short)

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Chapter 1 Product Introduction

1.1 Product Manual

Network camera is integrated video and audio acquisition, intelligent coding and network transmission and other functions of digital monitoring products. Using embedded operating system and high-performance hardware processing platform, with high stability and reliability to meet the diverse needs of the industry.
Network camera based on Ethernet control, image compression can be achieved through the network and transmitted to different users. Network camera support TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, RTP, RTSP, NTP, SMTP, UDP, TCP, DNS, DDNS and other network communication protocols; support ONVIF2.4, CGI, mainstream manufacturers agreement and other Internet protocols.
You can use the browser or client software to control the network camera, and through the browser to set the network camera parameters, such as system parameter settings, OSD display settings and other parameters; through the browser or client software configuration can also achieve motion detection, Abnormal alarm and other intelligent functions, the specific function parameters, please take the actual equipment.

1.2 Product Features

This section introduces the webcam from the product features, allowing you to become more familiar with and familiar with webcams.

- Video and capture functions

The network camera supports video recording and capture function.

- Mirror function

The network camera supports video horizontal, vertical, horizontal vertical flip function.

- Day and night mode adjustment

The network camera supports LDR automatic, Color, B/W and Video Auto four modes. In the LDR automatic mode, the camera automatically switches mode according to ambient light changes; the picture is color in color mode; the picture is black and white in B/W mode; in video auto mode, the video image changes with the ambient light.

- Electronic shutter function

Low-light electronic shutter When you are in a low-light environment, you can set the low-light electronic shutter function, then the network camera shutter automatically slows down, by extending the exposure time to get brighter, less noise images.

- Backlight compensation or Wide dynamic function

When the backlight compensation function is turned on, the network camera will automatically adjust the brightness of the target area to ensure that the screen of the target area is clearly visible.
When wide dynamic, the network camera automatically balances the brightest and darkest screens in the monitor screen to enhance the dynamic range of the overall picture in order to see more monitor picture details.

- Event function

The network camera event includes motion detection, occlusion alarm, video loss, alarm input / output and abnormal alarm.

- Intelligent function

The webcam supports smart face recognition.

- User management

You can manage multiple different users through the system administrator "admin" user and configure different permissions for each user.

- Video playback

Support the TF card or SD card to support the network camera to support video playback, query and playback card recording.

- WIFI function

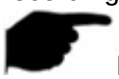
With WIFI function camera, support wireless connection router WIFI hotspot or with a hot wireless NVR. With WIFI hotspot camera, support mobile phone connected camera WIFI hotspots, preview IPC real-time video.

- PTZ function

With PTZ function camera support lens zoom, aperture control, PTZ control and cruise settings and other functions.

- Cloud storage function

The network camera supports the cloud storage function, which can store the device's all-day recording on the cloud server and the motion detection alarm information on the cloud server.

 Note

- Network camera above product features depending on the specific model, please take the actual product technical parameters shall prevail.

Chapter 2 Operating instructions

2.1 Network Connection

Cautions

If you have access to the Internet at your own risk, including but not limited to the product may be subject to network attacks, hacker attacks, virus infection, the company does not cause the product abnormalities, information disclosure and other issues, but the company will In time to provide you with product-related technical support.

To view and configure the network camera over the network, you need to connect the IP camera to your computer and install IPC Search or VMS software to search and change the IP of your network camera. And then through the browser to preview and related functions of the configuration.

2.1.1 Wired network connection

Before configuring the network camera, make sure that the IP camera is connected to the computer and that you can access the network camera you want to set up. There are two types of wired connections; you can directly connect the network camera to the computer with a network cable as shown in Figure 2-1:

Figure 2-1

Set network camera over the LAN via a switch or a router as shown in Figure 2-2:

Figure 2-2

2.1.2 Wireless internet access

Some network cameras support wireless network transmission, in the wireless network environment, the network camera and computer connection as shown in Figure 2-3.

Figure 2-3

2.2 Detecting and Changing the IP Address

To access the IP address of a network camera, proceed as follows:

Step 1: Search IPC IP address.

- Using the IP Search tool, you can search all the online cameras in the LAN and display the IP, MAC address, version, port and other information of the camera, as shown in Figure2-4:

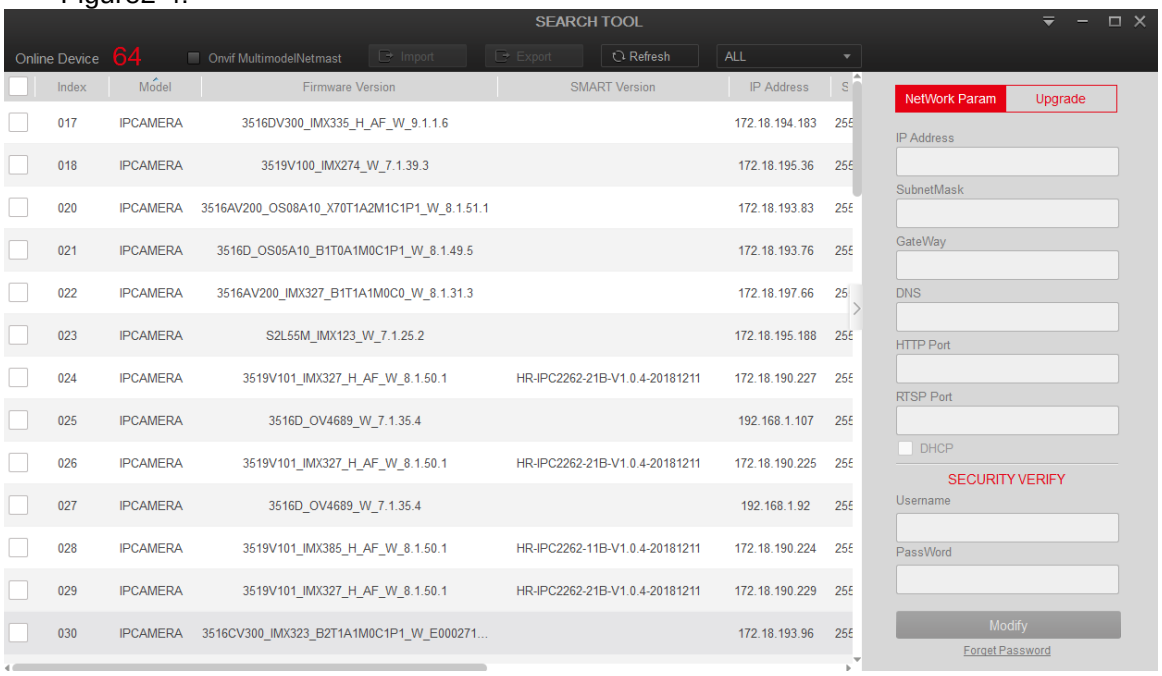


Figure 2-4

- Use the VMS client software to search for online devices. For details, refer to the VMS User Manual.

Step 2： Change the IP address and sub net mask to the same sub net as that of your computer.

- In the IP search tool to select the device to modify the IP, right side of the interface directly modify the IP and gateway, enter the password, and click "Modify".

Step 3： Open the browser to enter the IP address of the camera, enter the web login screen.

Note:

- The default IP address is 192.168.1.168 and the port number is 80. The default administrator user name is admin, and password is admin. And you are highly recommended to "Modify" the initial password after your first login.
- To access the IPC of different subnets, set the gateway of the network camera after login. For details, see 7.3.1 Configuring TCP/IP.

2.3 Setting the Network Camera over the WAN

This section explains how to connect the network camera to the WAN with a static IP or a dynamic IP.

2.3.1 Static IP Connection

Before you start:

Please apply a static IP from an ISP (Internet Service Provider). With the static IP address, you can connect the network camera via a router or connect it to the WAN directly.

- **The router is connected to the network camera as shown in Figure 2-5:**

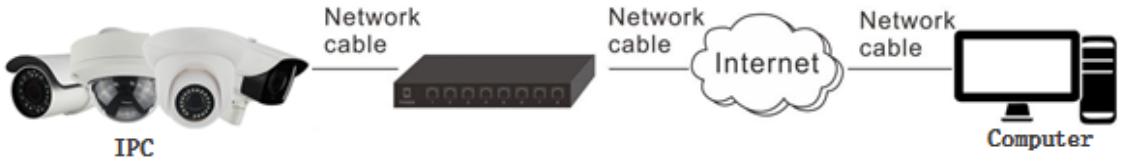


Figure 2-5

Specific steps are as follows:

Step 1： Connect the network camera to the router.

Step 2： Assign a LAN IP address, the sub net mask and the gateway. For details, please refer to 7.3.1.

Step 3： Save the static IP in the router.

Step 4： Set port mapping, e.g., 80, 8000, and 554 ports. The steps for port mapping vary according to the different routers. Please call the router manufacturer for assistance with port mapping.

Step 5： Visit the network camera through a web browser or the client software over the internet.

- **Directly through the static IP connection IPC, as shown in Figure 2-6:**

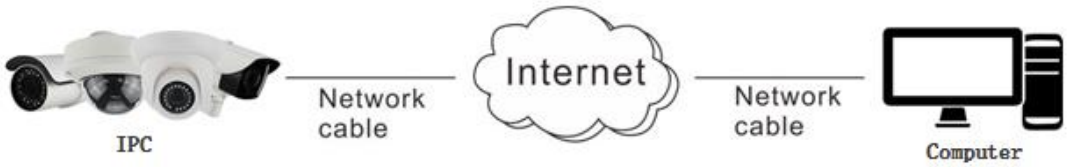


Figure 2-6

You can also save the static IP in the camera and directly connect it to the internet without using a router. For details, please refer to 7.3.1.

2.3.2 Dynamic IP Connection

Before you start:

Please apply a dynamic IP from an ISP. With the dynamic IP address, you can connect the network camera to a modem or a router.

- **The router is connected to the network camera**

Specific steps are as follows:

Step 1： Connect the network camera to the router.

Step 2： Assign a LAN IP address, the sub net mask and the gateway. For details, please refer to 7.3.1.

Step 3： In the router, set the PPPoE user name, password and confirm the password.
Step 4： Set port mapping, e.g., 80, 8000, and 554 ports. The steps for port mapping vary according to the different routers. Please call the router manufacturer for assistance with port mapping.
Step 5： Apply a domain name from a domain name provider.
Step 6： Configure the DDNS settings in the setting interface of the router.
Step 7： Visit the camera via the applied domain name.

Note:

- The obtained IP address is dynamically assigned via PPPoE, so the IP address always changes after rebooting the camera. To solve the inconvenience of the dynamic IP, you need to get a domain name from the DDNS provider (E.g. DynDns.com). Please follow the steps below for normal domain name resolution and private domain name resolution to solve the problem.

➢ **Normal Domain Name Resolution as shown in Figure 2-7:**

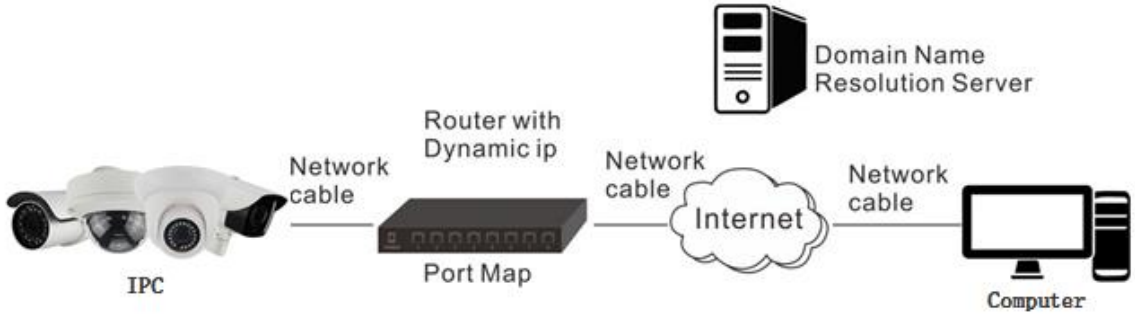


Figure 2-7

Specific steps are as follows:

Step 1: Apply a domain name from a domain name provider.
Step 2: Configure the DDNS settings in the DDNS Settings interface of the network camera. For details, please refer to 7.3.2.
Step 3: Visit the camera via the applied domain name.

➢ **Private Domain Name Resolution, as shown in Figure 2-8:**

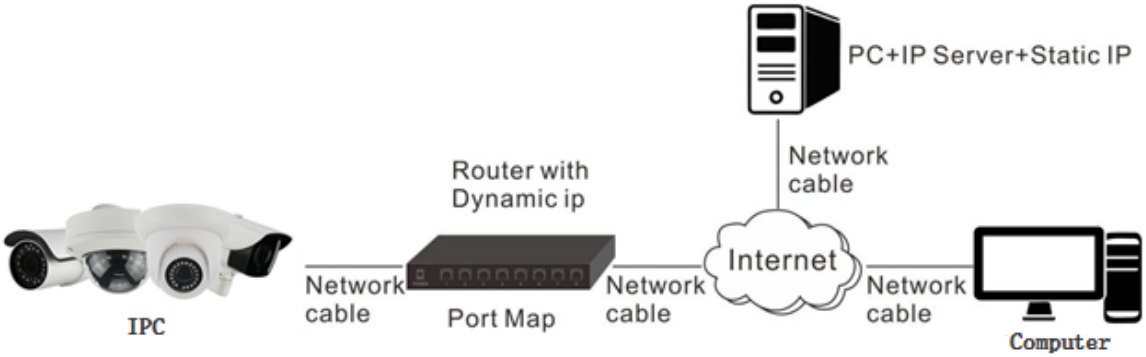


Figure 2-8

Specific steps are as follows:

Step 1: Install and run the IP Server software in a computer with a static IP.
Step 2: Access the network camera through the LAN with a web browser or the client software.
Step 3: Enable DDNS and select IP Server as the protocol type. For details, please refer to 7.3.2.

Chapter 3 Access to the IPC by Client Software

The VMS Lite client software is available on the company website (www.herospeed.net). You can use this software to view live video and manage IPC. Follow the installation prompts to install the software. The control panel and real-time view interface of the VMS Lite client software are shown in Figure 3-1.

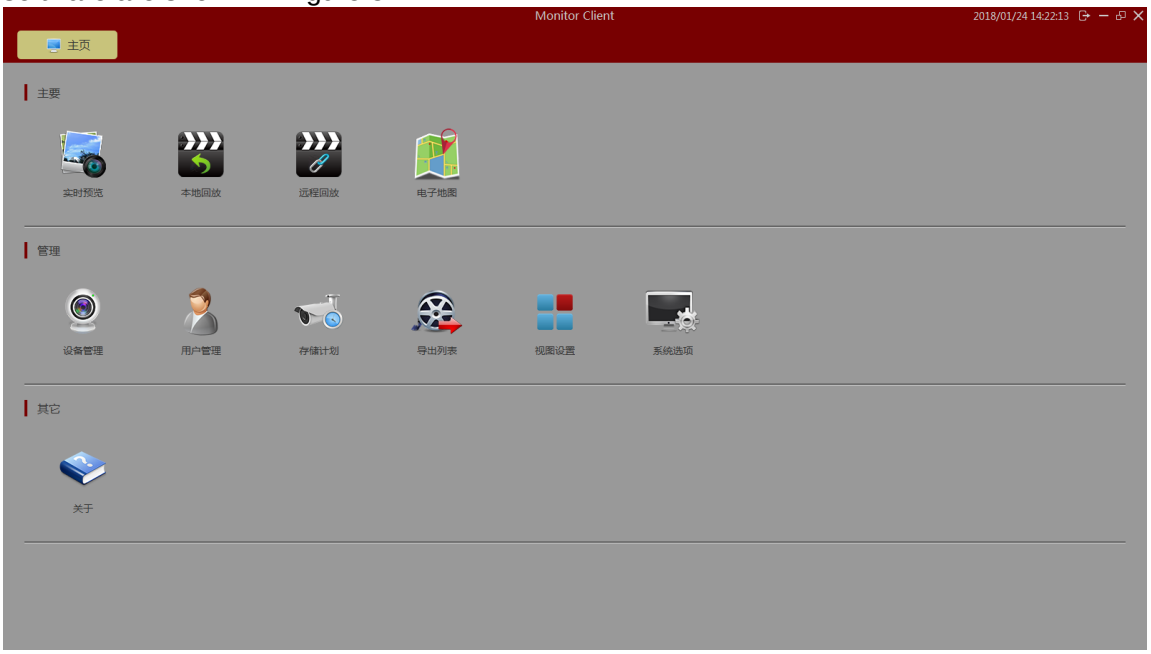


Figure 3-1

Note:

- For detailed information about the software, please refer to the user manual of the VMS Lite Client Software.

Chapter 4 Access to the IPC by Web Client

4.1 Preparation before install plugin

In ensuring the IPC and the current user's computer after completion of all the hardware connection and power equipment normal, open the computer, run ping the IP address of the IPC (Note: the IP address of the IPC in LAN must be unique). Such as IPC IP for 192.168.1.168, run ping 192.168.1.168. If there is a response to the IPC as shown in Figure 4.-1, indicating that the network connection is normal, you can download the plug-in.

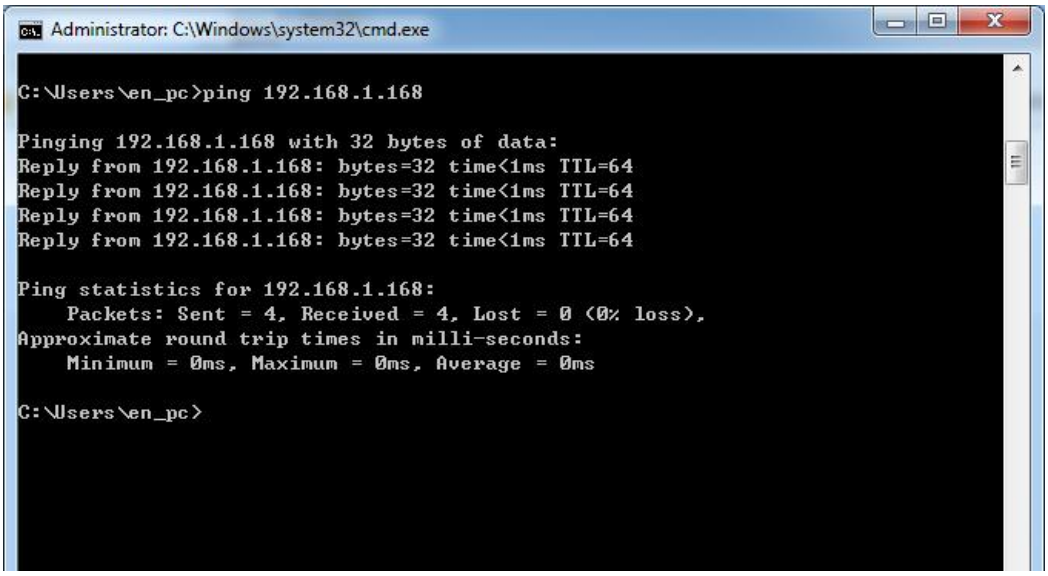


Figure 4-1

4.2 Install the HsWebplugin.exe Controls

Note:

- If you have already modified the IP address of your network camera, please log in with the new IP address.

Please open the browser and input the IP address of IPC in the address bar. (For the first time to use the default address is: http://192.168.1.168), you will be prompted to download information, as show in Figure 4-2:

Figure 4-2

Click

to download and you can choose "Run" or save directly the installation。 Click” Next” to complete the installation as shown in Figure 4-3 (1, 2, 3, 4, 5, and 6).

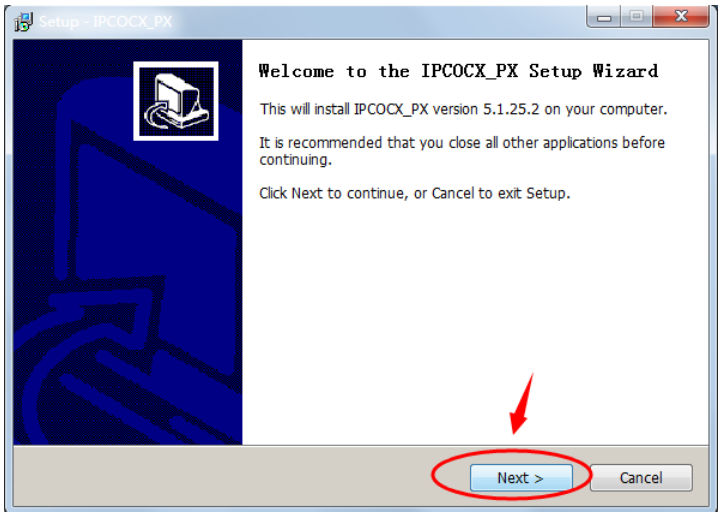


Figure 4-3（1）

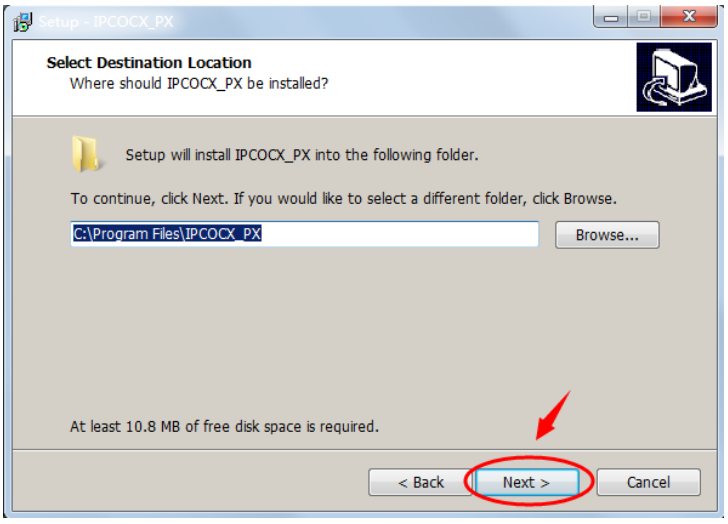


Figure 4-3（2）

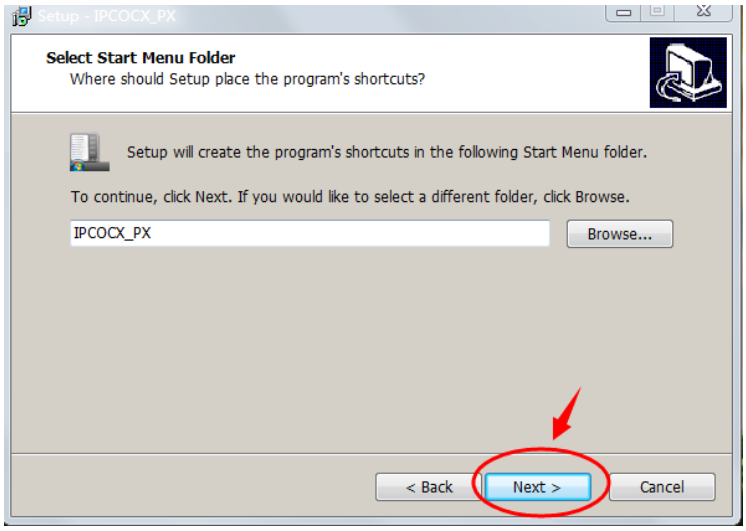


Figure 4-3（3）

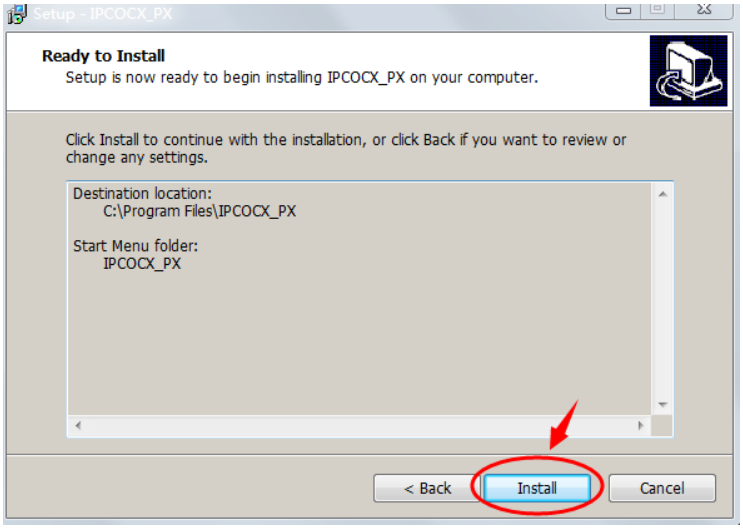


Figure 4-3（4）

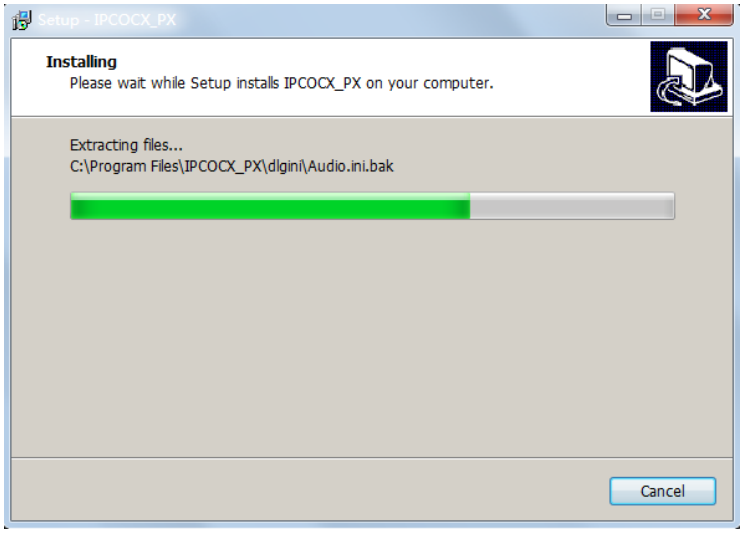


Figure 4-3（5）

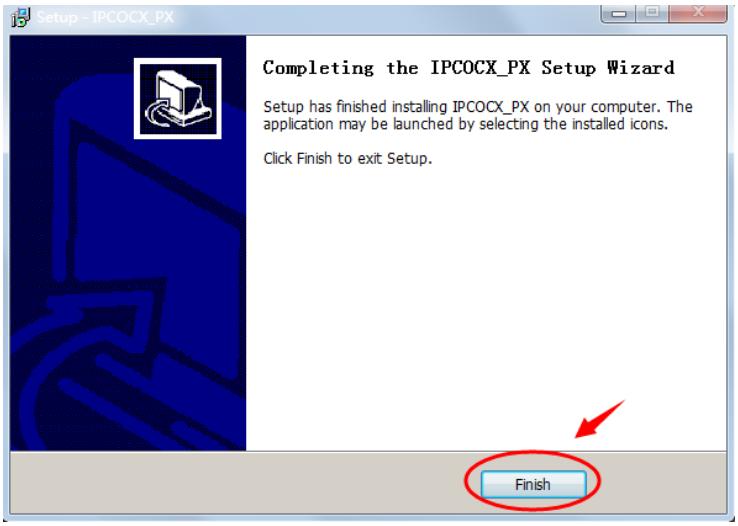


Figure 4-3（6）

Click "Finish" returning to the page.

Notice

If the system prompt "installation failure", please uncheck the "cancel protection mode" in the setting safety of "Internet options" and enter the "custom level" ActiveX control Settings as show in Figure 4-4, and reinstall HsWebplugin.exe after save settings.

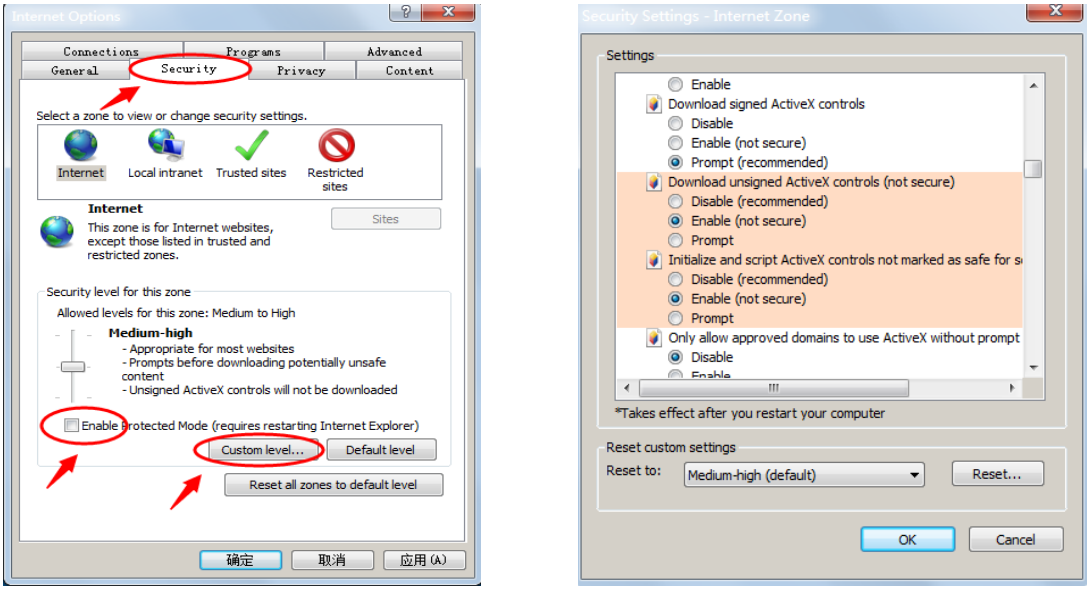


Figure 4-4

4.3. Interface operations and Usage:

4.3.1 Login

After installing the plug-in, refresh the browser interface; enter the login screen as shown

in Figure 4-5:

Figure 4-5

When you log in for the first time, enter the default user name: admin, password: admin, select the system language (currently supported in Simplified Chinese, Traditional Chinese, English, Russian, Korean, Polish, French, Japanese, Spanish, Portuguese , Italian, Hebrew, Turkish, Bulgarian, Persian, German, Dutch, Czech) , successfully logged in.

4.3.2 Change password

After successful login, the interface prompts to change the password, as shown in Figure 4-6:

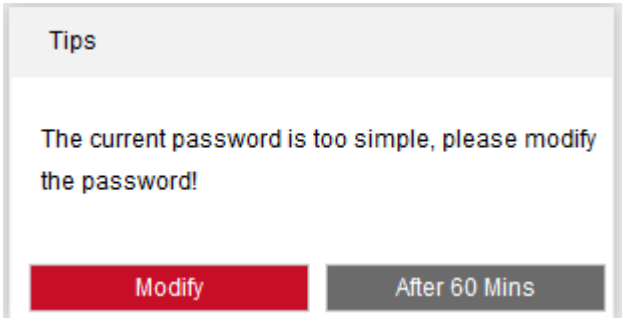


Figure 4-6

For the account security recommendations click "Modify ", enter the user interface to modify the password, as shown in Figure 4-7:

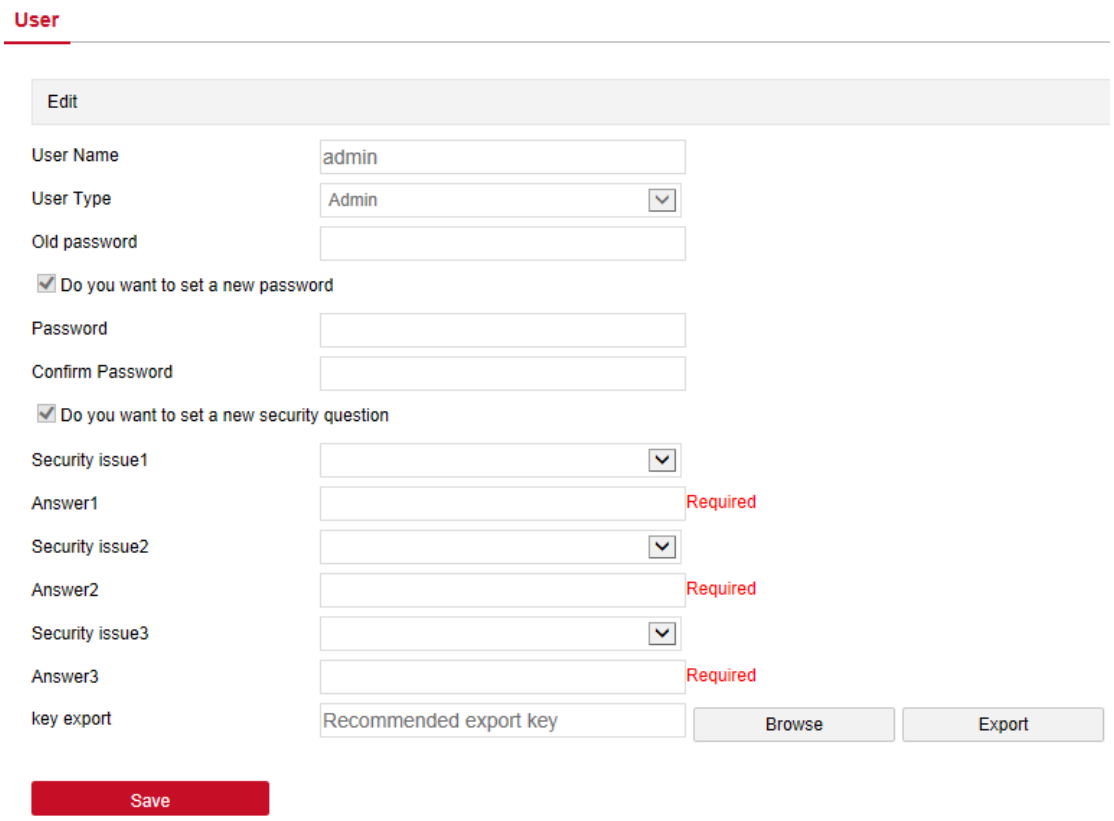


Figure 4-7

To change your password, follow these steps:

Step 1: Enter the old password and enter the new password in the Password and Confirm Password fields;

Step 2: Fill in the security issue1, 2，3 as needed, this item is optional, may not fill;

Step 3: Click "Save" to complete the password modification.

Note:

- When the IPC password is the initial password “admin”, each time you log in, you will be prompted to change the password. You can select “After 60 mins”. After 60 minutes, the interface will automatically pop up the password modification interface.
- When modifying the administrator password, after setting the security question, you can also click "Browse" to export the key file, so that you can reset the password when you forget the password.
- After modifying the administrator password, when the PC and the device are on the same LAN segment, click Forgot Password to reset the password by answering the security question or importing the key.

4.3.3 Exit System

When you enter the network camera main interface, you can click the upper right corner of the "

" safe exit system.

4.4 Main interface description

In the IPC main interface, you can preview real-time video, playback, configuration and

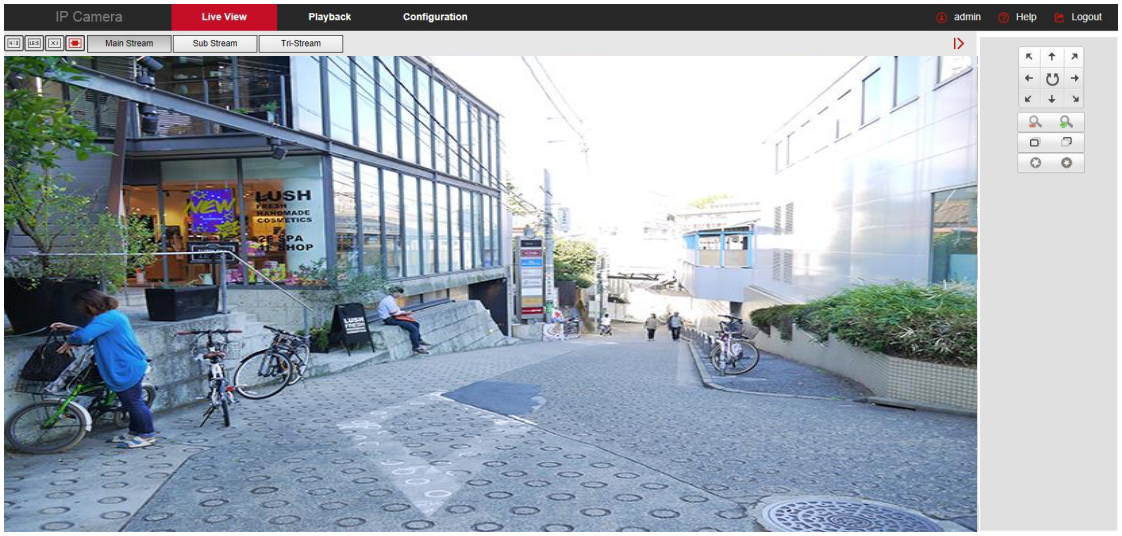


Figure 4-8

【Live View】 For IPC monitoring screen preview, you can switch the code stream preview, preview can also be achieved video, capture, electronic zoom and other functions.

【Playback】Select the time or video type to find the device TF card in the video and playback.

【Configuration】 Click into the IPC configuration interface for system configuration and function configuration.

【PTZ Control】Used to set the PTZ preset point, cruise line and PTZ rotation direction preview real-time video and so on.

Note:

- Network camera main interface layout function and other information, please take the actual equipment function prevail.

Chapter 5 Live preview

5.1 Live preview

Click "Live View" to enter the IPC preview interface, as shown in Figure 5-1:

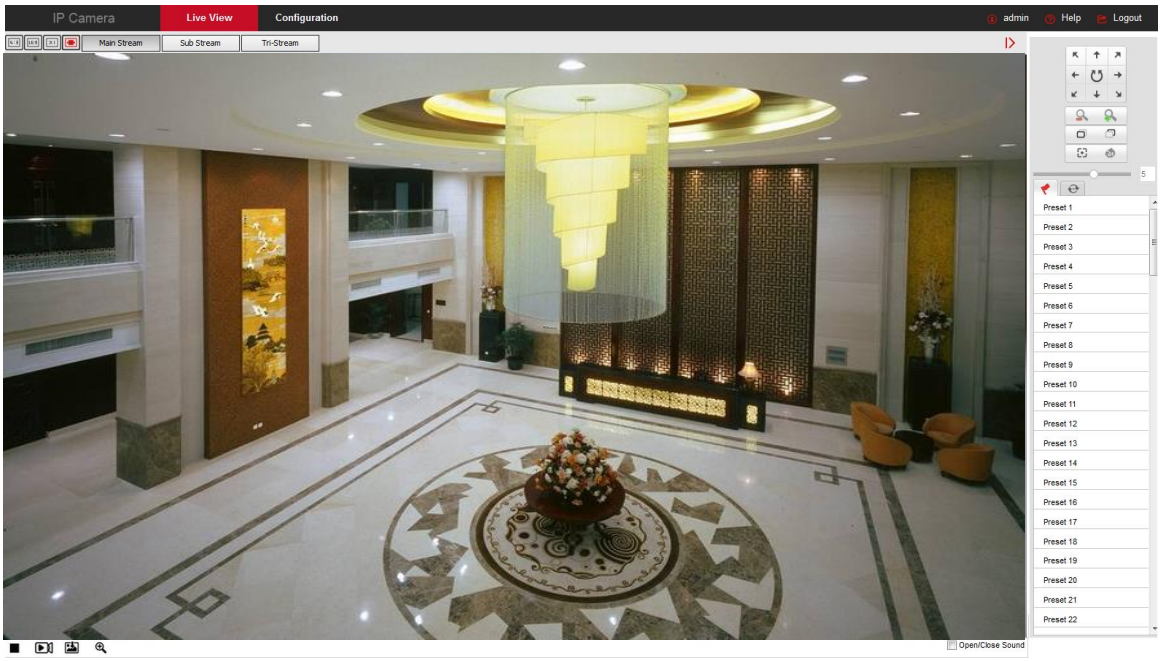


Figure 5-1

【switching window size】In the real-time preview interface on the top left of the preview ratio option, click "4: 3", "16: 9", "X1", "full screen" to switch the video preview scale.

【switching option】In the upper left of the real-time preview interface, there is a stream switching option. Click "Main Stream", "Sub Stream" and "Triple Stream" to switch preview video stream.

The preview interface operation buttons are shown in Table 5-1.

Icon	Description
	The window size is 4:3.
	The preview screen is displayed in its original size.
	The window size is 16:9.
	Self-adaptive window size.
Main Stream/Sub Stream/Tri-stream	To switch the real-time preview stream, take the actual function of the device.
	Start/Stop live view.
	Manually start/stop recording.

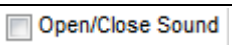
	Manually capture the picture.
	Turn on / off the electronic zoom function, turn on the electronic zoom function, in the preview image, hold down the left mouse button to select the electronic zoom area, the interface shows the region to enlarge the image
	Turn on/off Sound.
	Open / Close talk back

Table 5-1

5.2 Camera settings PTZ, zoom, cruise

Click " " on the right side of the window to display the PTZ control interface. Click " " to hide the PTZ control interface, where you can set the direction of the PTZ rotation of the camera, Zoom in / out, focus - / focus +, one-key focus, lens initialization, cruise, as shown in Figure 5-2:

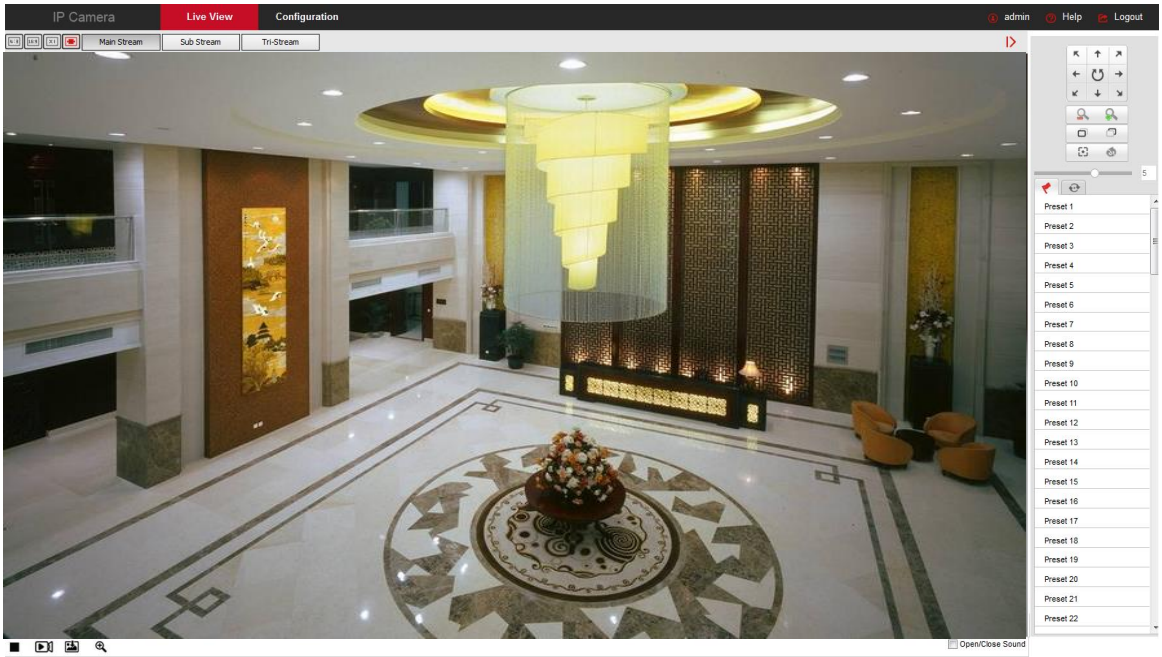


Figure 5-2

The PTZ control menu is shown in Figure 5-3 below:

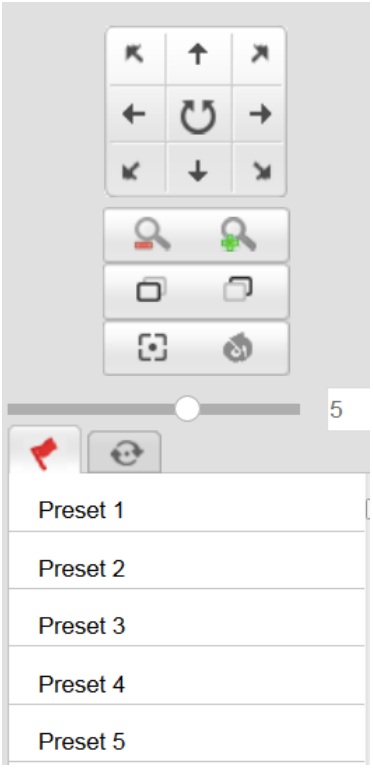
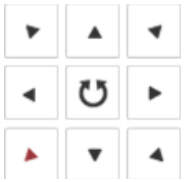


Figure 5-3

The PTZ control interface operation buttons are shown in Table 5-2 below.

按 钮	说 明
	Long press the arrow keys to control the horizontal and vertical direction, such as vertical rotation. (Note: one of the bolt can only rotate horizontally, does not support vertical rotation). Click " ", the network camera will continue to rotate horizontally, then the button will turn red; then click once, then stop turning.
	"Zoom-" and "Zoom +". When you hold down the " ", the lens closer, the scene zoom; hold down the " ", the lens away, the scene becomes smaller.
	"Focus-" and "Focus +". In manual focus mode, adjust the " " and " " keys to make the objects within the scene clear.
	One Key Focus.
	Init Camera.
	Adjust the speed of rotation of the pan / tilt.

	Preset Click Preset to enter the Preset Settings menu and click the Presets icon to edit and recall the preset points. Select the preset number, click the "" button after the number, turn the preview channel image, make the image stay in a certain position; click "" button to call the preset point rotation; click "" button Clear the preset point.
	Cruise Click "Cruise" to enter the cruise settings menu, click the cruise icon area can be cruise editing and call. Select a cruise path, click the cruise path "" to enter the cruise path interface, select the preset point number, set the speed and time, click "OK", according to this method to add multiple preset points, and finally click "" Button to save, you can call the cruise line.

Table 5-2

Note:

- Some cameras support PTZ, zoom, preset, cruise and other function settings, please specify the specific equipment.
- Zoom camera without cruise function; PTZ can only rotate horizontally, does not support vertical rotation.
- PTZ control function only supports the camera with PTZ function or PTZ camera, please refer to the actual function of the specific equipment.
- Up to 128 preset points are configured.
- A cruise line must set at least 2 preset points.
- "One Touch" and "Lens Initialization" are available for cameras equipped with an electric lens. Due to the limitation of the scene, the effect of the one-button focus function may not be as expected. In this case, it is recommended that you manually click the focus button to complete the focus operation. In the models with the electric lens can be PTZ speed adjustment to change the focus and zoom speed.
- Click the "one-click focus" to automatically complete the focus action, when the "one-click focus" appears difficult to focus clear case, click the "lens initialization", the lens parameters back to the initial position, click " You can focus clear.

Chapter 6 Playback

In the main interface, click “ Playback ” into the video palyback interface. Playback interface can be stored in the camera SD card / TF card within the video file for query, playback and download operations. as show in Figure 6-1:

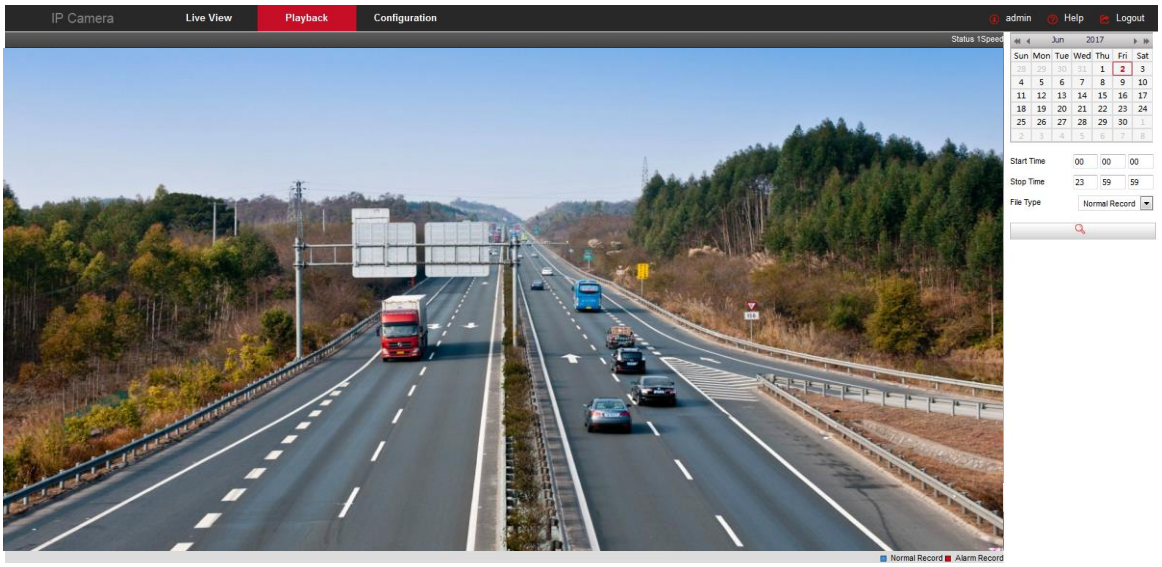


Figure 6-1

Here you can according to the video type (ordinary video, alarm video) and video time to query SD / TF card in the video file, the query to the video file playback, screenshots, clips and download.

【Video search】Select the start time, end time, file type "normal video" or "alarm video", click " " to find, meet the conditions of the video file will be on the right side of the calendar interface to select the red date (red date on behalf of the day of video), select the start time, Displayed on the timeline.

【Play/Stop】After searching for a video, click " " to start playing the video and click“ " to stop playing the video.

【Drag and drop】Video playback, the left mouse button click on the time axis to play the position, drag left and right, drag it to the middle of the yellow time point position, playback channel to play the point in time recording.

【Fast Forward】Video playback, click " ", video to 2 times the speed of playback.

【Slow Forward】Video fast forward playback, click " ", the video speed back to normal.

【Electronic zoom】Video playback, click " ", hold down the mouse in the playback interface to select the area to enlarge, release the mouse, the area is enlarged, click the

right mouse button to restore the zoom, click " " to turn off the electronic zoom.

【Capture】Video playback, click " " to capture the current playback screen image, the interface pops up the capture picture folder, which shows just captured the picture.

【Video cut】Video playback, click " ", start the current playback video to start recording, click " " again, will stop the video, the interface pops up the clip folder, which shows just the clip video.

【Audio】If the video file has audio, click the " " audio button during playback to turn on and off the playback of the recorded file. You can also adjust the volume by dragging the volume.

【Timeline magnification】Click the right side of the window on the right side of the " " button, the interface below the time axis is enlarged, the maximum can be amplified to 5min a grid.

【The timeline is reduced】When the timeline is zoomed in, click the " " button to return to the recording timeline before zooming in.

【Video File Query and Download】 Select the date, time period and video type in the calendar. Click "" on the right side of the window to pop up the video download interface. The interface will automatically search all the video files of the corresponding time range and video type, As shown in Figure 6-2:

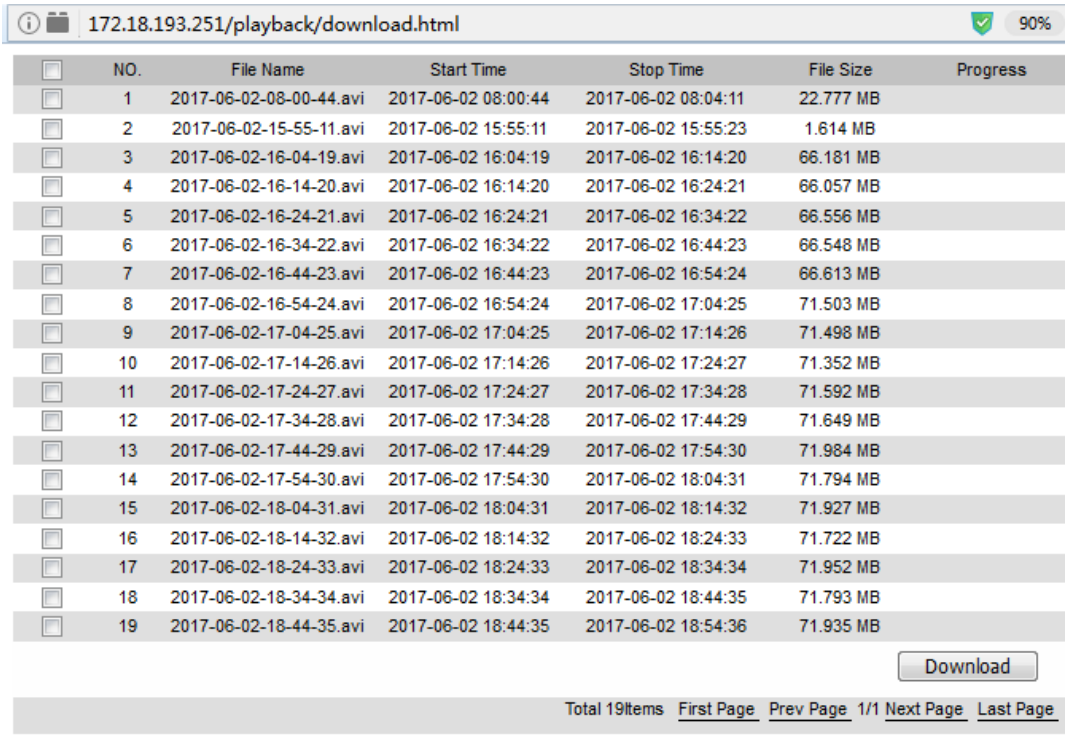


Figure 6-2

【First Page】Click to return to the first page of the video file list.
【Prev Page】Flip function, click to switch to the previous page.
【Next Page】Flip function, click to switch the next page.
【Last Page】Click to quickly jump to the last page of the video file list.

【Download】Select the file number to be downloaded in front of the "", click "Download" button, the file began to download. You can also check the top of the serial number in front of "", select all the files on the page, click "download".

Note:

- No SD card storage video camera and no video playback settings interface, please take the camera physical specific functions shall prevail.
- Please refer to 7.1 Local Configuration for the settings of the video and picture saved in the playback interface.

Chapter 7 Configuration

Click Configuration in the main interface to enter the local configuration interface. Here you can set the device system, network, video, images, events and other parameters.

7.1 Local Configuration

In the main interface, click "Configuration → Local Configuration" to enter the local configuration interface, where you can set the "Record File", "Picture and Clip", "Log Export", "Online upgrade" ,"Import / Export of Device Parameters" storage path. Change the path by selecting Browse, as shown in Figure 7-1 below:

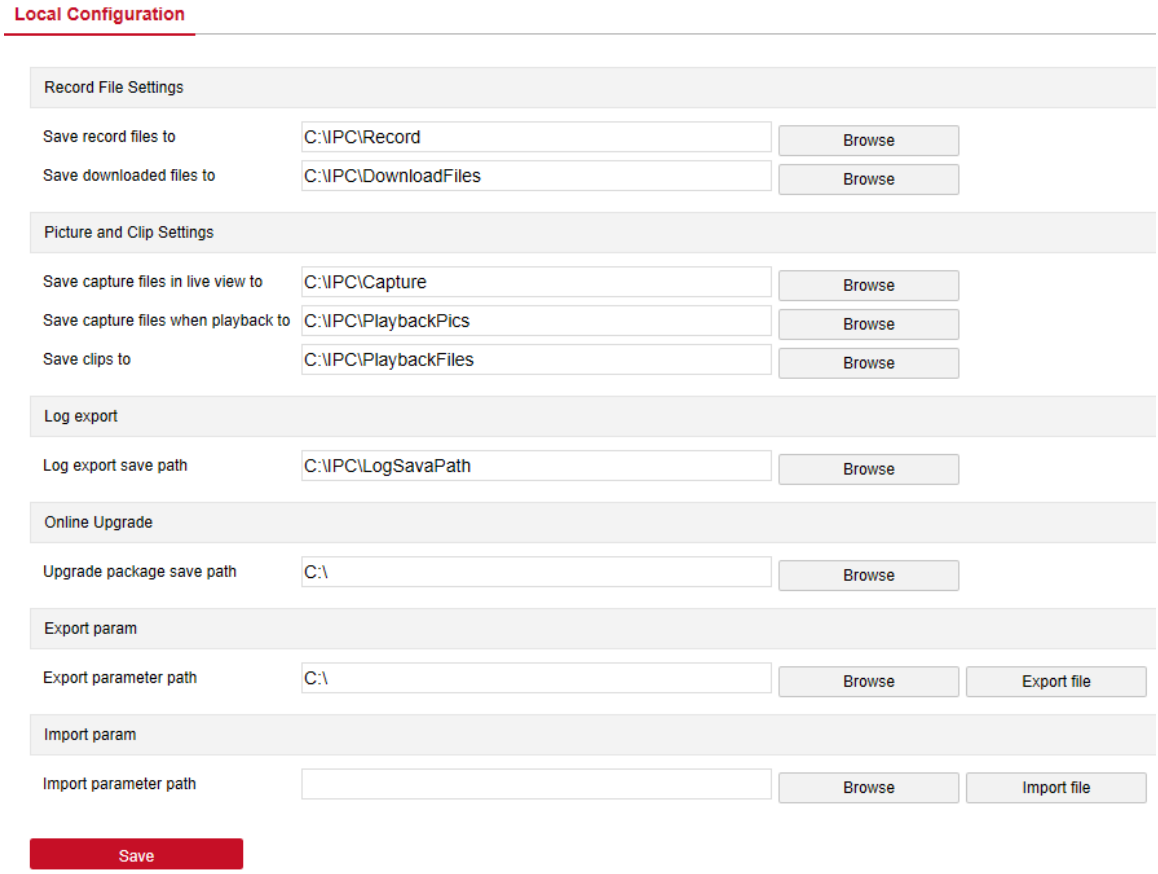


Figure 7-1

【Record File Settings】Set the saving path of the recorded video files. Valid for the record files you recorded with the web browser.

【Save record files to】Set the saving path for the manually recorded video files.

【Save downloaded files to】Set the saving path for the downloaded video files in playback mode.

【Picture and Clip Settings】Set the saving paths of the captured pictures and clipped video files. Valid for the pictures you captured with the web browser.

【Save capture files in live view to】Set the saving path of the manually captured pictures in live view mode.

【Save capture files when playback to】Set the saving path of the captured pictures in

playback mode.
【Save clips to】Set the saving path of the clipped video files in playback mode.
【Log Export】Set the saving paths of the exported log.
【Log export save path】Set the saving path of the exported log.
【Online Upgrade】Set the IPC online upgrade file in the computer storage path, used to save the page to download the upgrade file.
【Upgrade package save path】Set the online upgrade package to save the path.
【Export param】Set device parameters in the computer's storage path, used to save the web-side device parameters of the file.
【Export parameter path】Set the storage path for IPC export parameters.
【Import param】Set device parameters in the computer's storage path, the file used to save the parameters of the web page egg device.
【Import parameter path】Set the storage path for the IPC import parameters.

7.2 System

In the main interface, click "Configuration → System" to enter the system configuration interface. The system consists of system configuration, scheduled reboot, log query and security.

7.2.1 System Configuration

In the main interface, click "Configuration → System → System Configuration" to enter the system configuration interface.

① Device Information

In the main interface, click "Configuration → System → System Configuration → Device Information" to enter the device information configuration interface, where you can view the basic information of the current device, as shown in Figure 7-2:

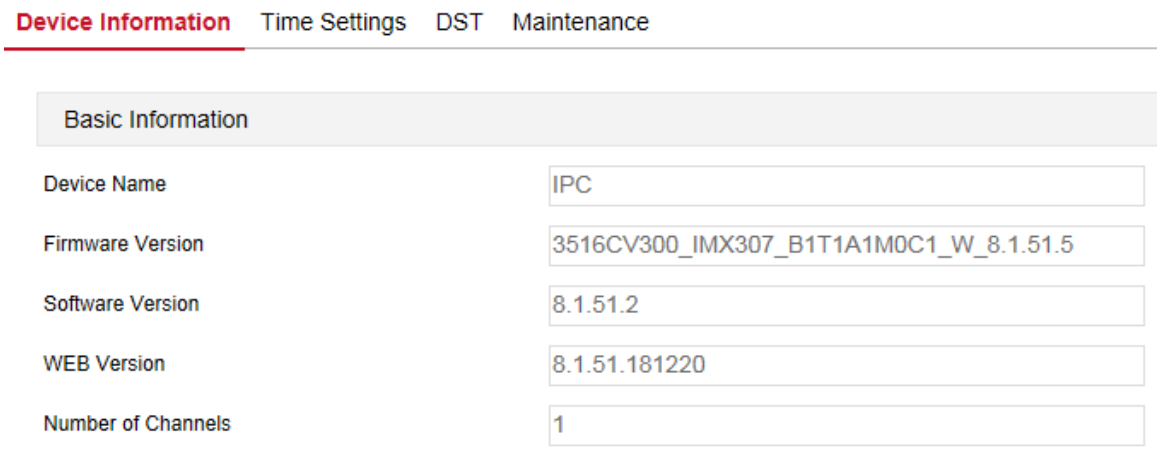


Figure 7-2

【Device Name】The name of the current IPC.
【Firmware Version】The current version of the IPC.
【Software Version】The current HsWebplugin.exe control version of the IPC.
【WEB Version】The current page version of the IPC.
【Number of Channels】The current channels of the IPC, the default is 1.

② Time Setting

In the main interface, click "Configuration → System → System Configuration → Time Settings" to enter the time setting interface, where you can set the device time, as shown in Figure 7-3 below:

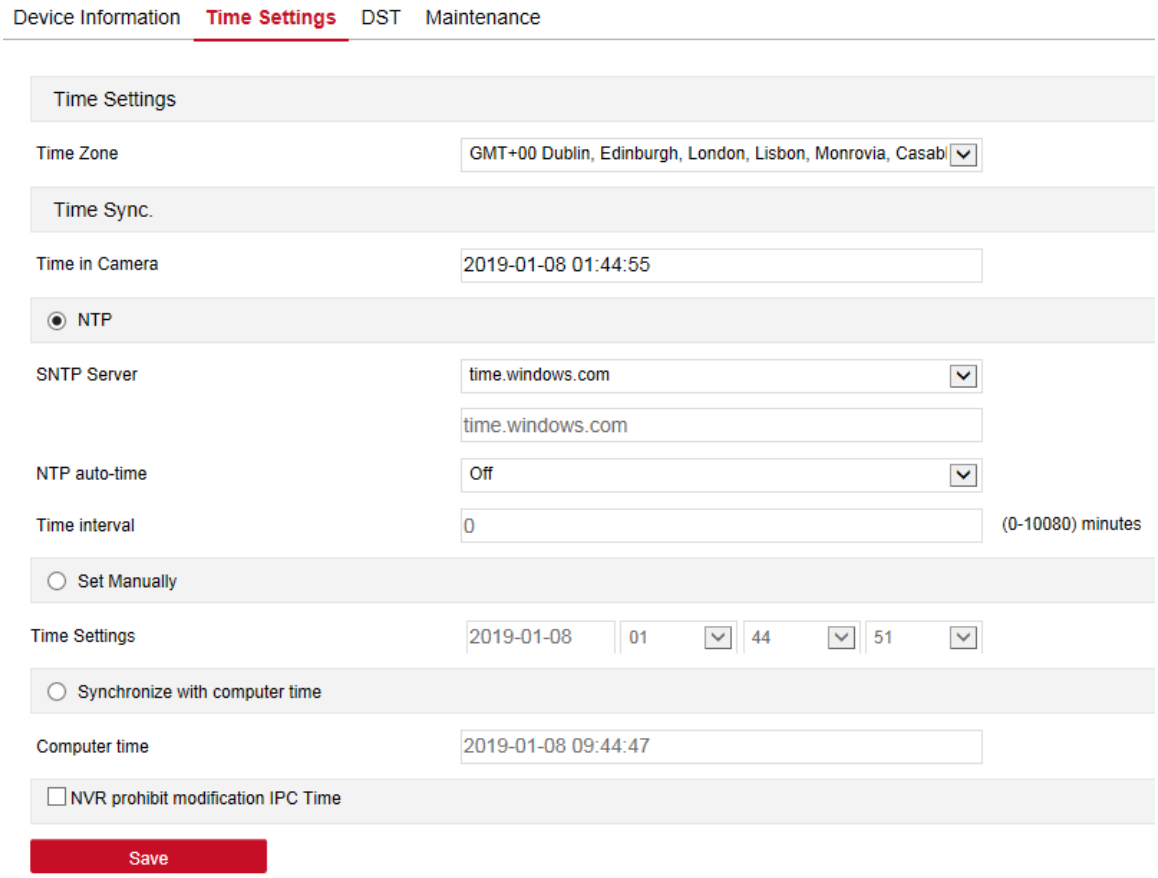


Figure 7-3

【Time Zone】Displays the current device selection time zone.

【Time in Camera】Displays the current time of the device.

【NTP】The IPC time will synchronization with network, and you can change the different time zones. (This feature requires that IPC network environment can connect to the Internet.) Click on the "Save" after completing the settings.

【Set Manually】Setting the IPC ' s date and time manually. Click on the "Save" after completing the settings.

【Synchronize with computer time】The IPC will synchronize with the computer time and date that your connect currently. Click on the "Save" after completing the settings.

【NVR prohibit modification IPC time】The IPC time will be not affected by the backend storage devices (such as NVR and XVR, etc.) after check this option. The IPC ' s time will be running according to the user settings.

③ DST

In the main interface, click "Configure → System → System Configuration → DST" to

enter the daylight saving time setting interface, where you can enable daylight saving time, set daylight saving time, end time and offset time, as shown in Figure 7-4:

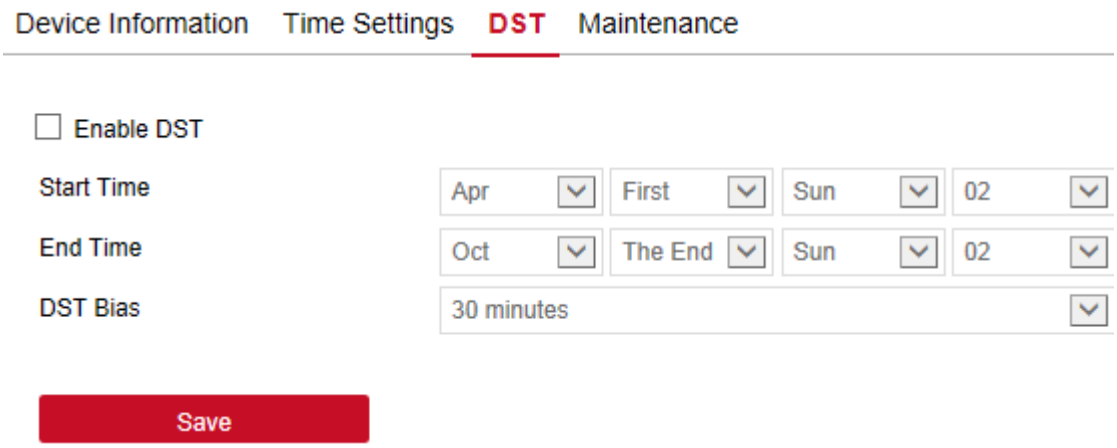


Figure 7-4

④ Maintenance

In the main interface, click "Configuration → System → System Configuration → Maintenance" to enter the system maintenance settings interface, where you can restart the device, restore factory settings, manual upgrade, online upgrade, as shown in Figure 7-5:

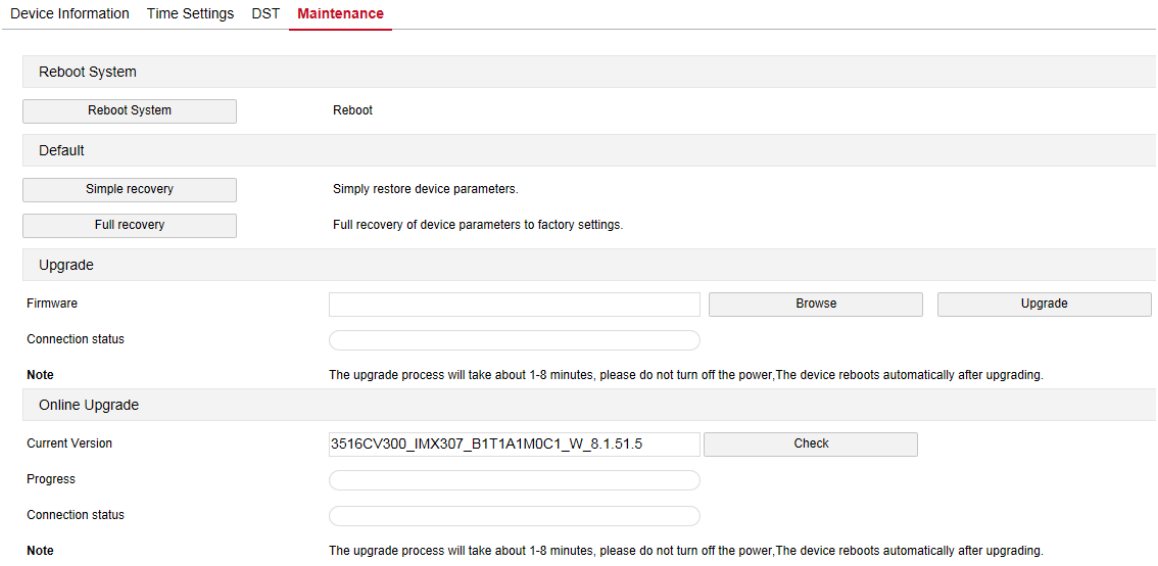


Figure 7-5

【Reboot System】 The IPC will restart again automatically after clicking "Reboot System".

【Default】Divided into Simple recovery and Full recovery.

After clicking “Simple recovery”, IPC will automatically restore the parameters to the factory parameters except the network parameters.

After clicking “Full recovery”, all parameter settings of IPC will be automatically restored to the factory parameter settings (please operate this function carefully).

【Upgrade-Firmware】Clicking “Browse” to add upgrade file package, and upgrading the

IPC program. (Please careful operation, the error of upgrade file will cause equipment system operate abnormally).

【Online Upgrade】To determine the device connected to the network, check the current version number, click on the "Check", such as the pop-up prompts the latest upgrade version, whether to download, click "OK", the device began to download the upgrade version to complete the automatic upgrade. Click "Cancel" to cancel the upgrade.

7.2.2 Scheduled Reboot

In the main interface, click "Configuration → System → Timing Reboot" to enter the scheduled reboot settings interface, where you can set the time for the device to restart, set the restart "cycle" in the drop-down menu, for example, set "3:03 on the 3rd of each month “restart, click Save, IPC will be at 3 o'clock on the 3rd 3 times a reboot. As shown in Figure 7-6 below:

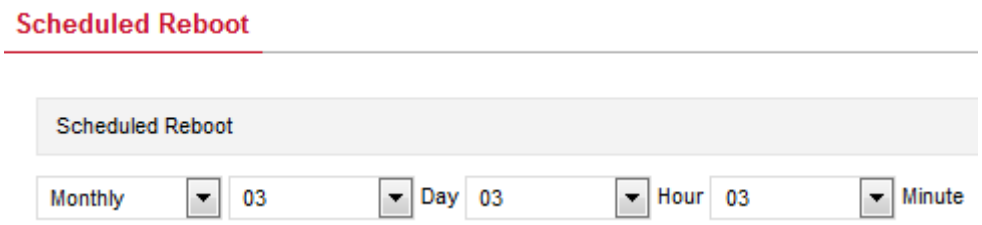


Figure 7-6

7.2.3 Log Search

In the main interface click on the "configuration → system → log query" into the log query interface, where you can query the device login, account number, alarm and all other relevant information. As shown in Figure 7-7 below:

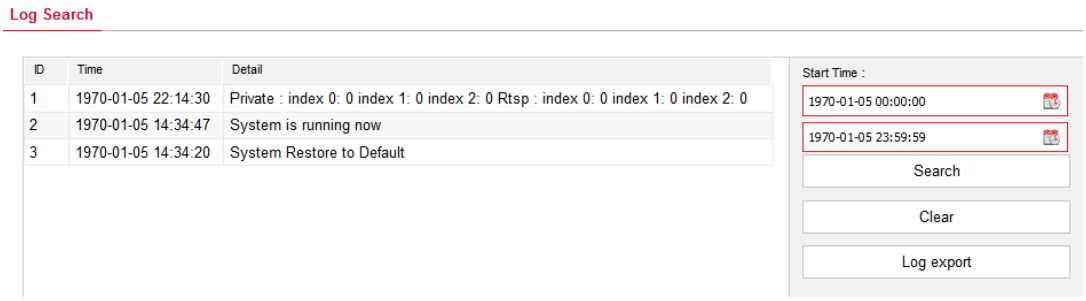


Figure 7-7

【Search】It can find running record of IPC from the start time to end time.

【Clear】Clicking clear button to empty all logging.

【Log Export】Save the contents of the current log to the location you specified in txt format.

7.2.4 Security

In the main interface, click "Configuration → System → Security" to enter the user management settings interface, where you can add, edit, delete the user, you can also

query the current user information. The current user for the administrator "admin", the user can actually need other users; you can create up to 10 users. As shown in Figure 7-8 below:

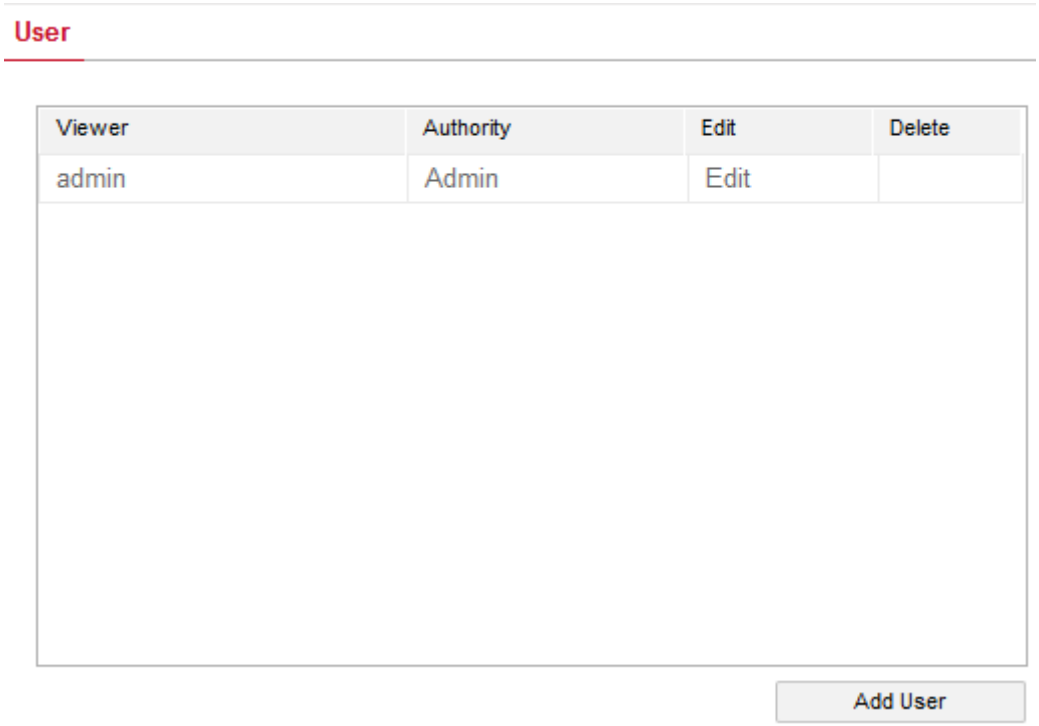


Figure 7-8

① Add a User

Step 1: Click “Add User” to add a user;
Step 2: Input the User Name, select Level and input Password.
Step 3: Click “OK” to complete the user to add.
Add User as shown in Figure 7-9:

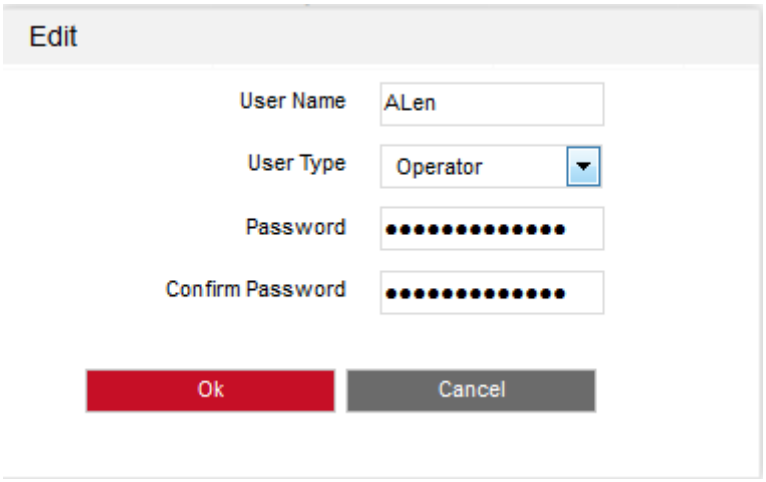


Figure 7-9

Cautions

- In order to improve the security of the product network, please change the password of the user name regularly. It is recommended to update the maintenance every 3 months. If the network camera is used in a high security risk environment, it is recommended to update once a month or every week.
- It is recommended that the system administrator manage the user effectively, remove the unrelated user and shut down the unnecessary network port.

Note:

- The admin user cannot be deleted and you can only change the *admin* password.
- User permission description:
  Administrator -- all permissions.
  Operator -- All permissions (cannot make system security parameter settings).
  Viewer -- only preview permission.
- When setting the network camera password, the password length is 8-31 characters and must contain numbers and letters.

Password strength rules are as follows:
- If the set password contains three or more types (numbers, lowercase letters, uppercase letters, special characters), it is a strong password.
- If the password is set to a combination of numbers and special characters, lowercase letters and special combinations of characters, capital letters and special characters, lowercase letters and uppercase letters, are in the password.
- If the password is set to a combination of numbers and lowercase letters, numbers and uppercase letters are weak passwords.
- Password length is equal to 8, the password contains only one type of character, password and user name or password is the user name of the write, the above types of passwords are risk password, do not recommend this set.

To better protect your privacy and improve product safety, we recommend that you change your risk password to a high-strength password.

② First modified (admin user) password

Step 1: In the user list, click the “Edit” button after the admin user to enter the user interface.
Step 2: Enter the old password and enter the new password in the Password and Confirm Password fields.
Step 3: Select security questions 1, 2, 3 and set the appropriate answers.
Step 4: Click "Save" to complete the password modification.

③ Modify the (admin user) password again

Step 1: In the user list, click the “Edit” button after the admin user to enter the user interface.
Step 2: Enter the old password, check “Do you want to set a new password”, and enter a new password in the Password and Confirm Password fields;

Step 3: Check "Do you want to set a new security question", select security questions 1, 2, 3 and set the corresponding answer.
Step 4: Click "Save" to complete the password modification.

Note:

- When the IPC password is the initial password “admin”, each time you log in, you will be prompted to change the password. You can select “Modify after 60 mins”. After 60 minutes, the interface will automatically pop up the password modification interface.
- When modifying the administrator password, after setting the security question, click "Browse" to select the path, and click "Export" to export the key file, so that the password can be reset when the password is forgotten.
- After modifying the administrator password, when the PC and the device are on the same LAN segment, click "Forget" to reset the password by answering the security question or importing the key.
- When you change your password again, you don't have to set a new security question. When you forget your password, you can reset it with the last security question you set.

④ Edit the User (new user)

Step 1: In the user list, select the user to be modified, and click "Edit" to enter the user editing interface.
Step 2: Edit the username, level or password;
Step 3: Click "OK" to finish editing the user.

Note:

- The password setting rule is the same as the password rule when adding a user.

⑤ Delete Users

Step 1: Click to select the user you want to delete and click "Delete".
Step 2: Click "OK" on the pop-up dialogue box to delete the user.

7.2.5 SD Card

①SD Card

In the main interface, click "Configuration → System → SDCard" to enter the SD Card management settings interface, here you can view the SD card related information and format the SD card as shown in Figure 7-10:

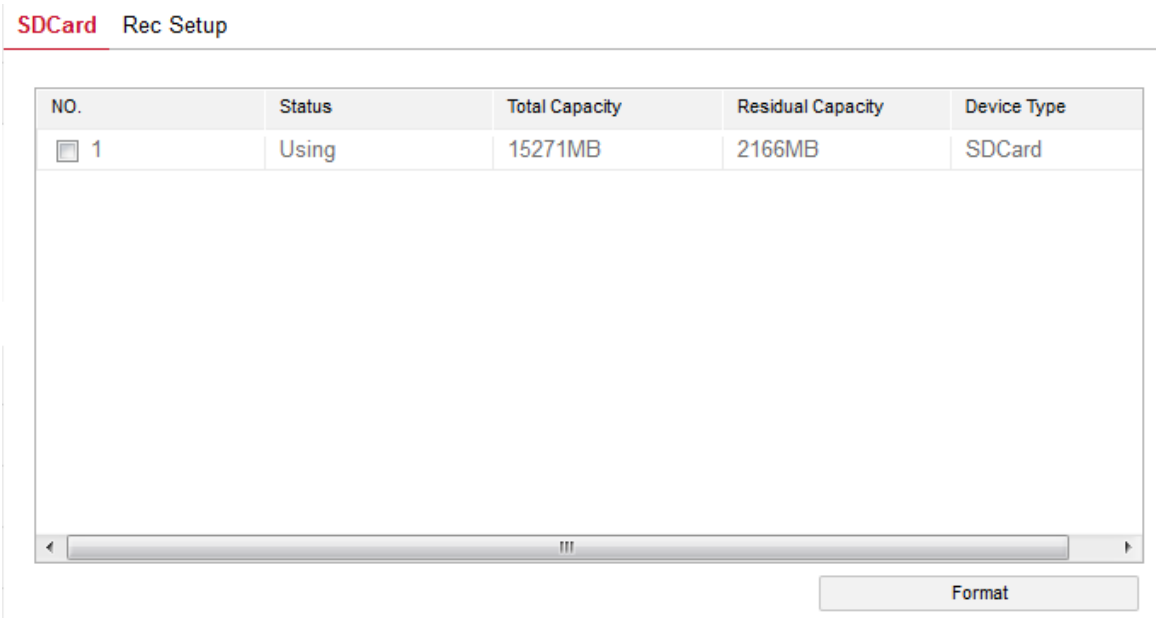


Figure 7-10

SD card format steps are as follows：

Step 1: Select the disk to be formatted, click "Format";

Step 2: Click "OK" in the pop-up prompt box;

Step 3: Wait for the format to complete the progress bar, formatting is complete, check the card information, Total Capacity = Residual Capacity, formatted successfully.

②Rec Setup

In the main interface, click "Configuration → System → SDCard → Rec Setup" to enter the recording setting interface, here you can open the SD card video, set the SD card recording schedule, stream type and video mode, as shown in Figure 7-11:

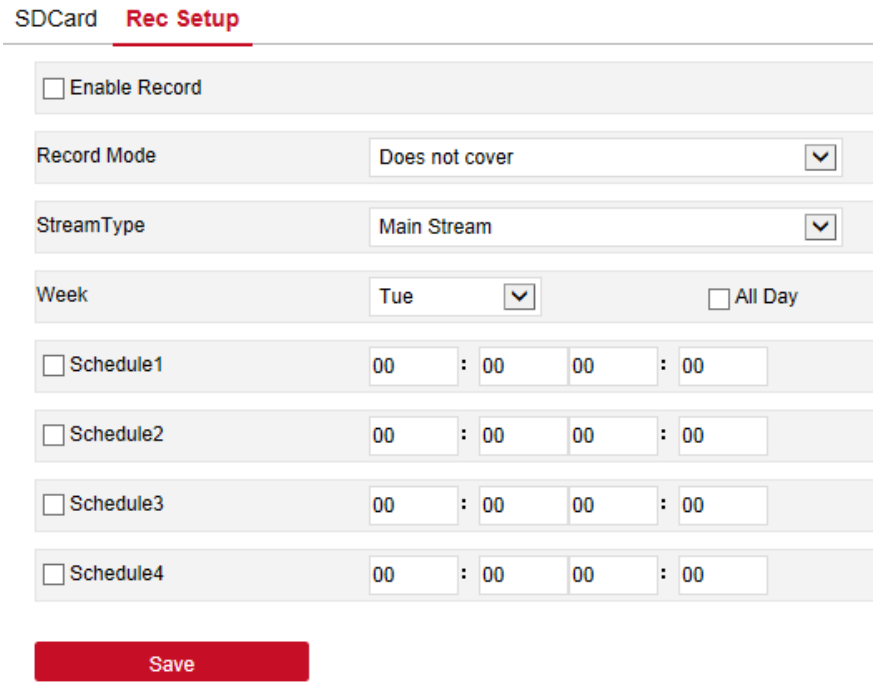


Figure 7-11

Here you can open the SD card video, set the SD card recording schedule and recording mode.

Note:

- No SD card video recording function of the camera No SD card management interface, please take the camera physical specific functions shall prevail.

7.3 Network

In the main interface, click "Configure →Network" to enter the network settings interface, the network is divided into basic setup and advanced setup configuration.

7.3.1 Basic Setup

① TCP/IP

In the main interface, click "Configure → Network → Basic Setup → TCP / IP" to enter the TCP / IP interface. Here you can set the IP address, subnet mask, gateway, and DNS of the device as shown in Figure 7-12 below.

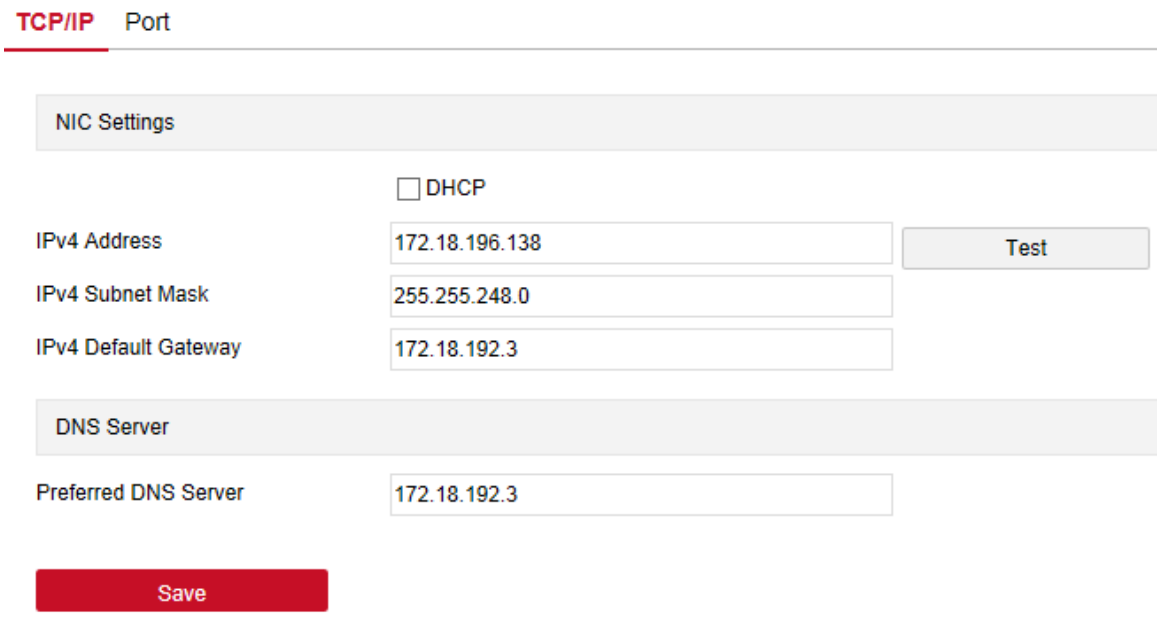


Figure 7-12

The IPC is connected to the router that have opened the DHCP function, check the DHCP option, and the IPC can be get automatically IP address、Net mask、Default Gateway and DNS。

Close DHCP, you can manually modify the IPC's IP address, subnet mask, default gateway and preferred DNS server information, manually modify the finished, click "Test" to determine the modified IP address is available in the LAN (that is, whether the conflict with other equipment IP), Prompt "IP available", click Save to complete the settings.

② Port

In the main interface, click "Configuration →Network → Basic Setup→ Port" to enter the

port setting interface, where you can set the IPC network port and protocol port, the network port has HTTP port (default is 80), RTSP port (default is 554) , The HTTPS port (default is 443), the protocol port has the ONVIF protocol port (default is 8999), the HIK protocol port (default is 8000), and the XM protocol port (default is 34567). As shown in Figure 7-13 below:

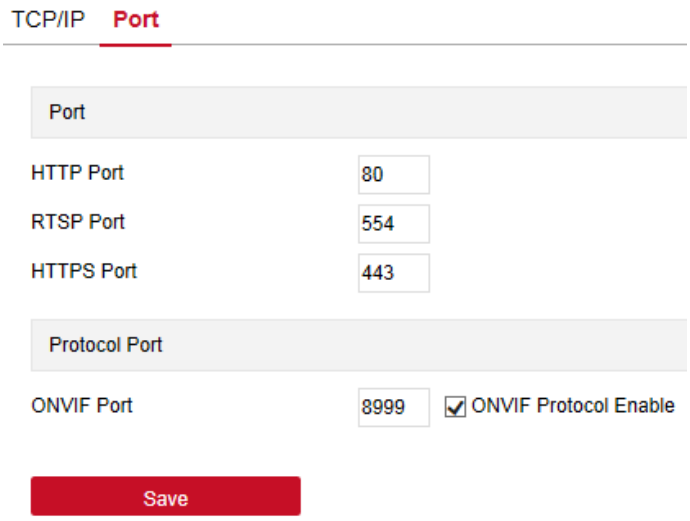


Figure 7-13

【ONVIF】When the IPC access to ONVIF agreement with the back-end equipment, the need to enable ONVIF protocol; the ONVIF protocol is enabled.

Note:

Please do not arbitrarily modify the port parameters; when there is a port conflict need to modify the port number, please modify the following information:

- HTTP and HTTPS port: use the browser login need to add the address after the port number. If you repair HTTP port number 8555, when you use the browser login, you need to enter .
- RTSP port: real-time transmission protocol port, to ensure that the modified port is available.

7.3.2 Advance Setup

In the main interface click on the "configuration →Network → Advanced Setup" to enter the advanced configuration interface, where you can set the device DDNS, FTP, SMTP, platform access, cloud storage and other functions.

① **DDNS**

In the main interface, click "Configuration →Network → Advanced Setup → DDNS" to enter the DDNS function settings interface, where you can open the IPC DDNS function, select the DDNS type, enter the site name, corresponding DDNS type user name, password, click "Save". As shown in Figure 7-14:

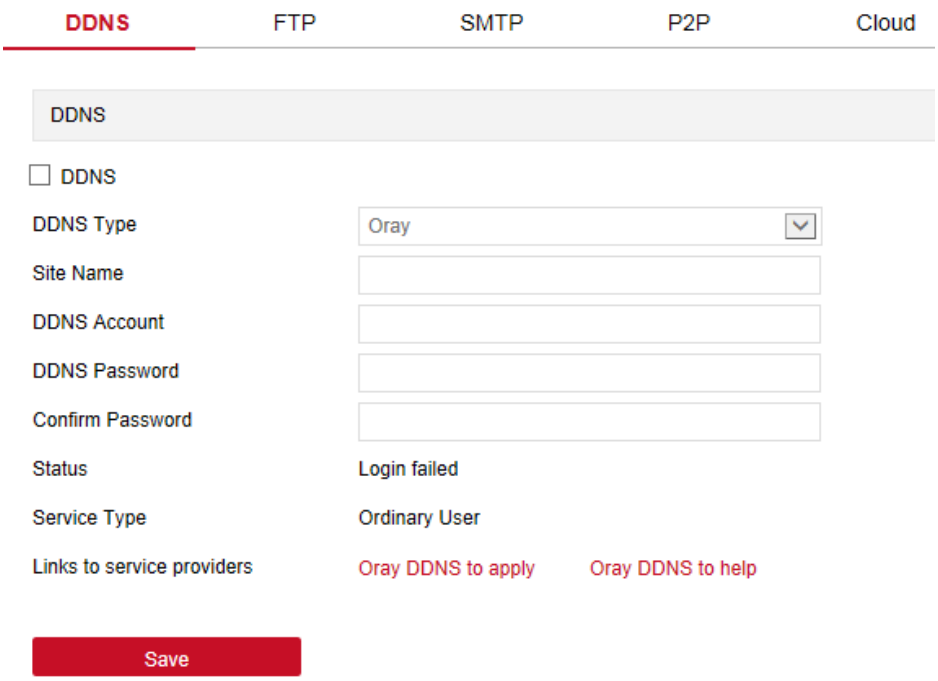


Figure 7-14

【DDNS】Enable / disable DDNS function.
【DDNS Type】Choose the type of peanut shell, NO-IP and Dyn three types.
【Site Name】The input selection type corresponds to the successful domain name.
【DDNS Account】The input selection type corresponds to the registered account.
【DDNS Password】The input selection type corresponds to the registration password.
【Confirm Password】Re-enter the password, this password and DDNS password.
【Status】Shows whether the current device is set up DDNS successfully.
【Service Type】Displays the type of user name.
【Links to service providers】Show service provider information.

Note:

- Access via DDNS domain requires IPC to be accessible to the Internet.

② **FTP**

In the main interface, click "Configure → Network → Advanced Setup → FTP" to enter the FTP server settings interface, where you can set the FTP server information, input the FTP server address, port, user name, password, set the storage path, select the FTP server file Format AVI or JPEG, click "Save". You can also be set to complete the click "Test" to determine whether the IPC and FTP server is connected. The FTP setup interface is shown in Figure 7-15:

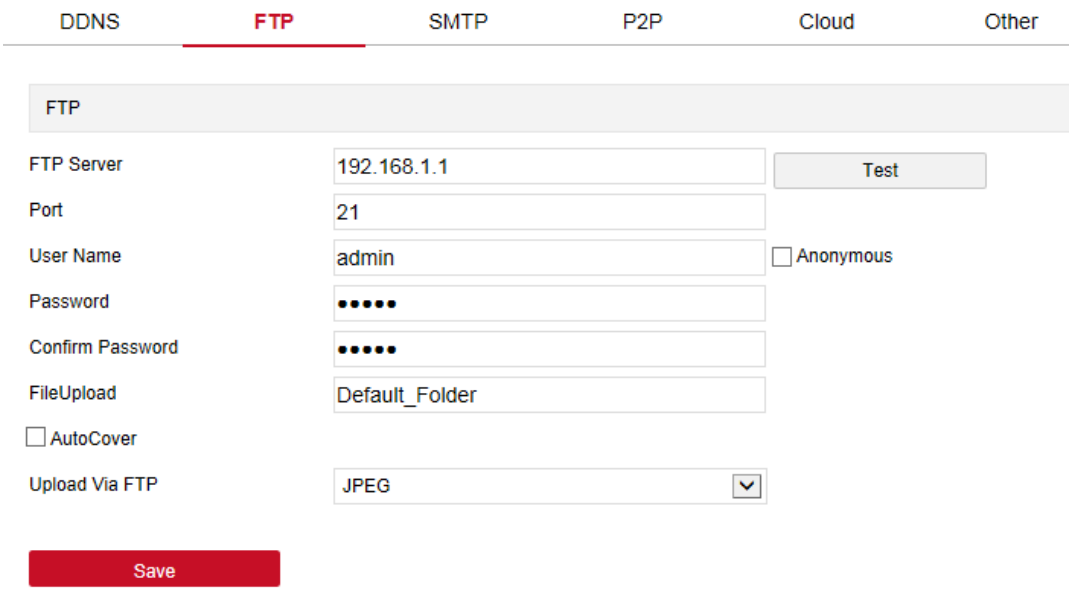


Figure 7-15

【FTP Server】Fill in the FTP server address.

【Port】Fill in the FTP server port number.

【User Name】Fill in the FTP server username.

【Password】Fill in the FTP server password.

【Confirm Password】Fill in the FTP server password.

【File Upload】Automatically creates a folder that you named in the FTP storage path.

【Auto Cover】When enabled, the oldest FTP server will be overwritten automatically when the FTP server is full.

【Upload Via FTP】In the drop-down menu, select FTP file format, JPEG image format and AVI video for selection. Click on the "Save" after completing the settings.

③ SMTP

In the main interface, click "Configure →Network → Advanced Setup→ SMTP" to enter the mail settings interface, where you can set the SMTP server information, enter the sender mailbox, SMTP server address, port, select the upload SMTP file format, Box account and password. To the recipient address, click "Save". The SMTP setup interface is shown in Figure 7-16.

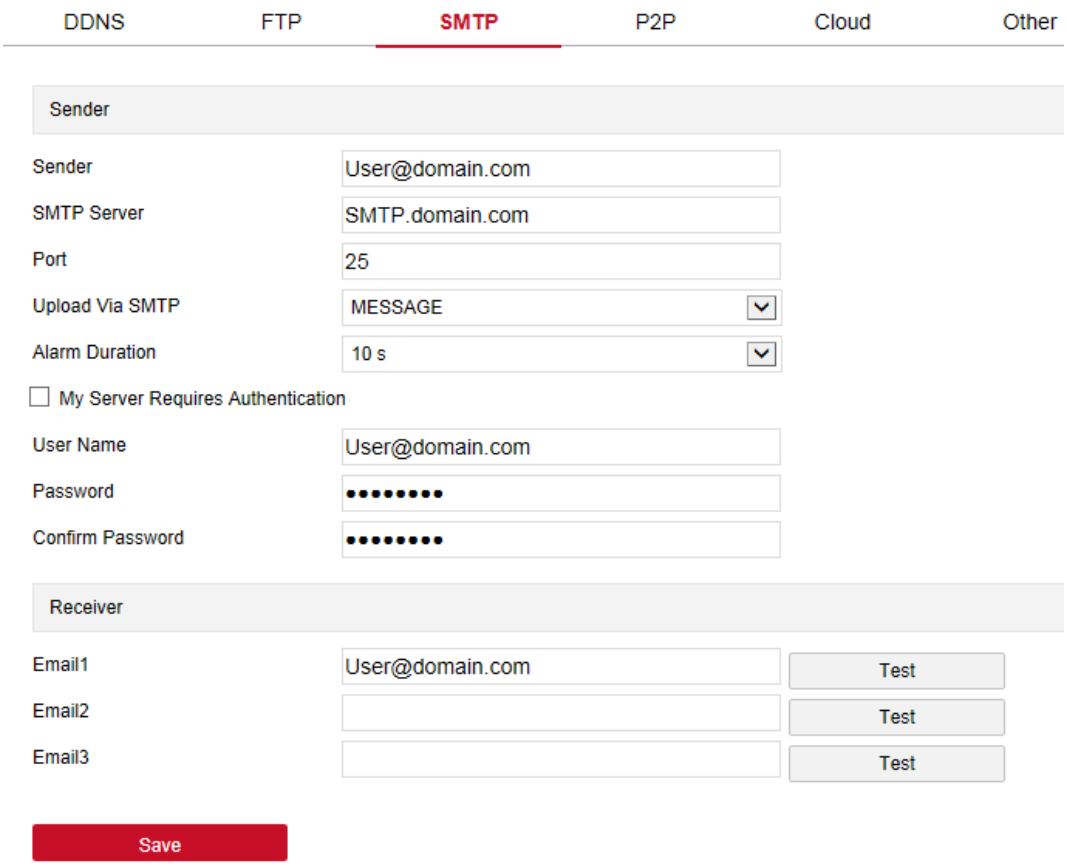


Figure 7-16

Sender

【Sender】Fill in the full address of the sender mailbox.

【SMTP Server】Fill in your email server address.

【Port】Fill in your email server port.

【Upload Via SMTP】In the drop-down menu, select SMTP file format, JPEG image format, AVI video and message for selection. Click on the "Save" after completing the settings.

【Alarm Duration】Set the sending interval.

【My Server Requires Authentication】When enabled, the server and user are authenticated to ensure that the data is sent to the correct client and server.

【User Name】Fill in the send mailbox user name.

【Password】Fill in the send mailbox password.

【Confirm Password】Fill in the send mailbox password.

Receiver

【Email 1, 2, 3】Fill in the full address of your inbox, here up to 3 inboxes, click on the completion of the completion of the "test" to ensure that all the correctness of the input information and network connectivity of the camera.

④ P2P

P2P is a private network penetration technology. It does not need to apply for a dynamic domain name, perform port mapping, or deploy a transit server. You can directly scan the QR code to download a mobile client. After registering an account, you can add and manage multiple IPC, NVR, XVR devices simultaneously on the mobile client.

You can add devices in the following two ways to manage multiple devices.
1) Scan the QR code for the mobile phone system, download the App and register the account. For details, see the App User Manual on the website.
2) Log on to the P2P platform, register an account, and add the device via the serial number.

Instruction

- The device P2P is enabled by default. To use this function, you must connect the device to the external network. Otherwise, it will not work properly.

P2P steps are as follows:

Step1: In the main interface, click "Configure →Network → Advanced Setup → P2P" to enter the P2P settings interface, as shown in Figure 7-17 below:.

Step2: Make sure that the IPC accesses the external network and click "☐" to open P2P.

Step 3: Click "Save" to save the configuration.

Step 4: Click "Refresh" and the status shows "P2P connection successful". This indicates that P2P is enabled and can be used normally.

Figure 7-17

App Client operation example

The following content is introduced by taking the operation of the mobile phone client (BitVision App) as an example. The steps are as follows:

Step 1: Use the Android or iOS phone to scan the corresponding QR code to download and install the BitVision App.

Step 2: Run the client and log in to the account (No account is required to register first).

Step 3: Add devices to the mobile client.

After login, click "Device manage" , "+" and "Add device" , select "SN Add", enter the device user name, password and verification code after scan the QR code (the verification code printed on the label), click "Add" to set device note and group, click "Send" after add successfully.

Step 4: Live preview

Select "Real time" and " " to enter the device list in the main interface, select the touching pen and the channel to be previewed in the group, you will see the live video after click " Done ".

⑤ Cloud

In the main interface, click "Configure →Network → Advanced Setup → Cloud" to enter the cloud storage configuration interface, as shown in Figure 7-18 below:

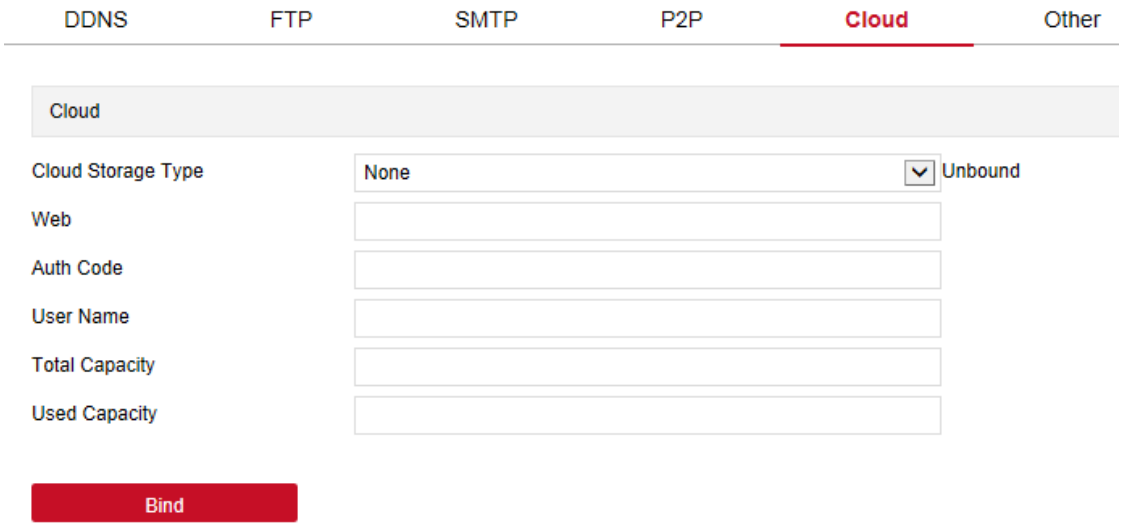


Figure 7-18

【Cloud Storage Type】Select the cloud storage type, Dropbox or Google in the drop-down menu.

【Web】Depending on the type of cloud storage selection play a cloud url, login web site registered account according to clew clouds.

【Auth Code】Login cloud web, the verification code will display on the cloud storage interface, than copy it in the space.

Fill in the verification code, click on the "Bind" after the success. "User name", "Total Capacity" and "Used Capacity" that information will be automatically displayed.

⑥ Other

In the main interface, click "Configure →Network → Advanced Setup → Other" to enter the Video Password Authentication interface, as shown in Figure 7-19 below:

Figure 7-19

【Video Password Authentication】 After opening, encrypt all the devices and platforms connected to the camera video, and connect to the IPC video by entering the correct username and password.

【RTSP Encryption Enable】 When enabled, the RTSP stream of the camera is encrypted.

⑦ Wifi

In the main interface, click "Configuration →Network → Advanced Setup → Wifi" to enter the WIFI configuration interface. Here you can configure the camera to connect the WiFi to the camera, as shown in Figure 7-20 below:

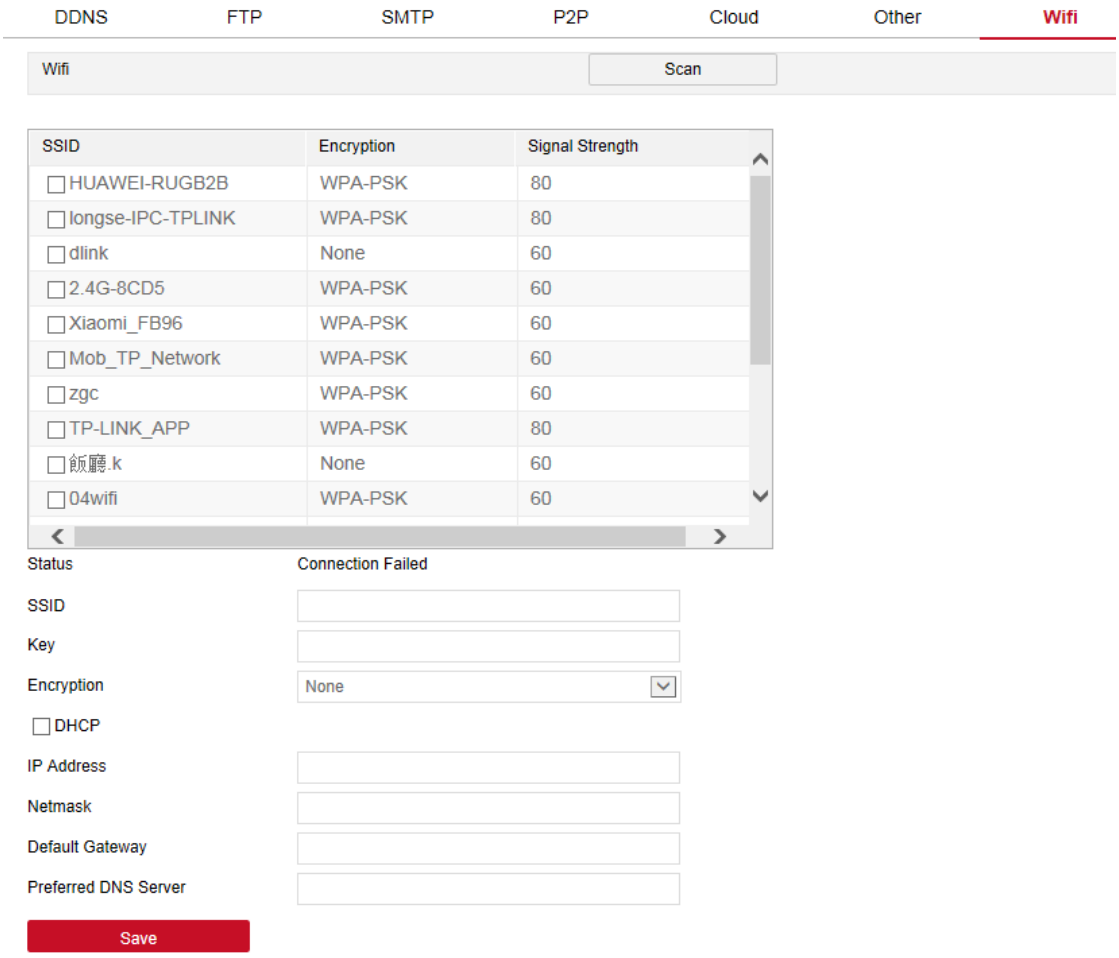


Figure 7-20

IPC WIFI configuration steps are as follows:

Step 1: Click the "Scan" button to search for nearby WiFi hotspots;

Step 2: Select to connect to WiFi, enter the WiFi password in the Key field;

Step 3: Turn on "Enable DHCP" and click "Save".

Note：

- Only cameras that support the wifi function have a wifi interface. Please refer to the specific function of the camera.
- Also can not open the DHCP, manual input and choose the same WiFi network segment of the preferred DNS server IP address, default gateway, set the camera

WiFi network information.

⑧ WIFI Access Point

In the main interface, click "Configuration →Network → Advanced Setup → WIFI Access Point" to enter the WIFI Access Point interface. The WiFi hotspot of the camera can be turned on and set. After setting, the device such as the mobile phone can connect to the hotspot to access the IPC. The WIFI Access Point interface is shown in Figure 7-21.

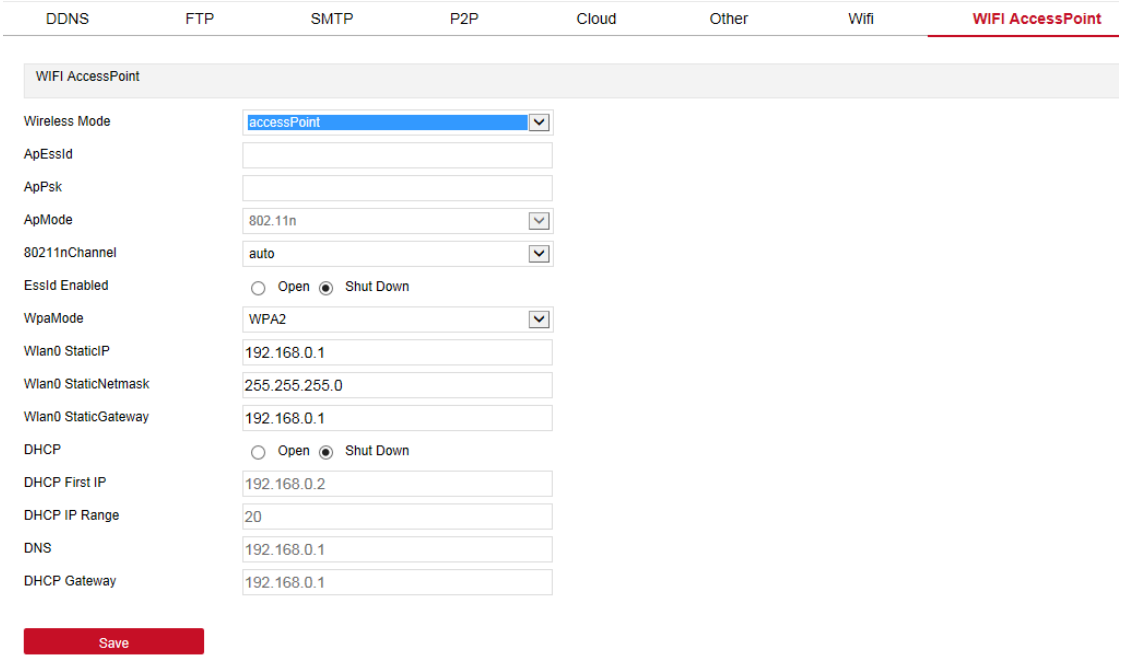


Figure 7-21

The steps to turn on and set the camera wifi hotspot are as follows:

Step 1: Select "access Point" in the Wireless Mode field;

Step 2: Set the AP EssId, ApPsk, 80211nChannel, EssId Enabled switch, WpaMode, wireless IP, subnet mask, and wireless gateway address.

Step 3: Click "Save" to complete the setup.

Note：

- Only cameras that support the wifi hotspot function have a WIFI hotspot interface. Please refer to the specific function of the camera.
- When configuring the camera WIFI hotspot, you can also enable DHCP and manually enter the starting address, assigned number, DNS address and gateway information.

⑨ PTZ

In the main interface, click "Configure →Network → Advanced Setup → PTZ" to enter the PTZ configuration interface, as shown in Figure 7-22 below:

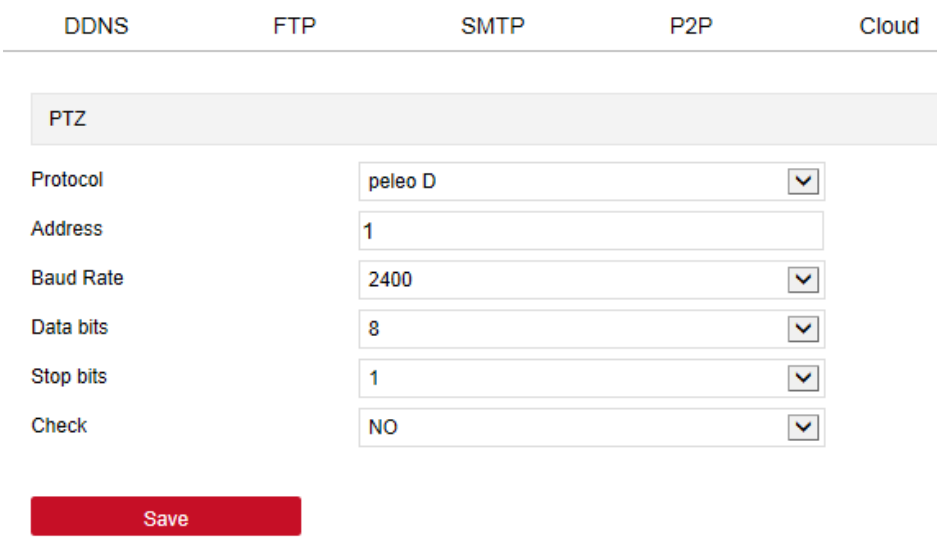


Figure7-22

Note：

- Only PTZ-enabled cameras have a PTZ interface. Please refer to the actual camera function.

⑩ IPEYE

In the main interface, click "Configure →Network → Advanced Setup → IPEYE" to enter the IPEYE interface. After IPEYE is enabled, open the IPEYE Client link, enter the IPEYE and IPC device username and password, add the device, and add it successfully. The audio and video of the device can be previewed at https://www.ipeye.ru/, as shown in Figure 7-23 ①.

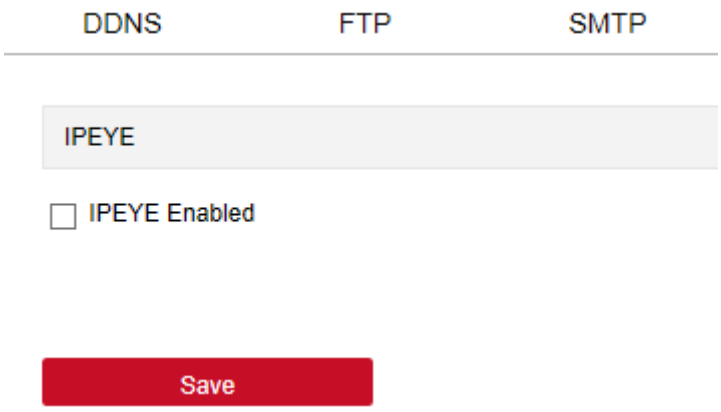


Figure 7-23 ①

The steps to monitor the audio and video in real time at https://www.ipeye.ru/ are as follows:

Step 1: Enter IPEYE interface, enable IPEYE enable, refresh the interface, and the

interface displays IPEYE Client address as shown in Figure 7-23 ②.

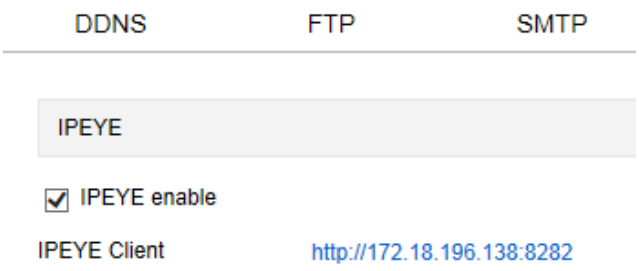


Figure 7-23 ②

Step 2: Log in to IPEYE Clienthttp://172.18.196.138:8282, enter the device username, password, IPC user, password, click “Confirm” to add the device, as shown in Figure 7-23 ③.

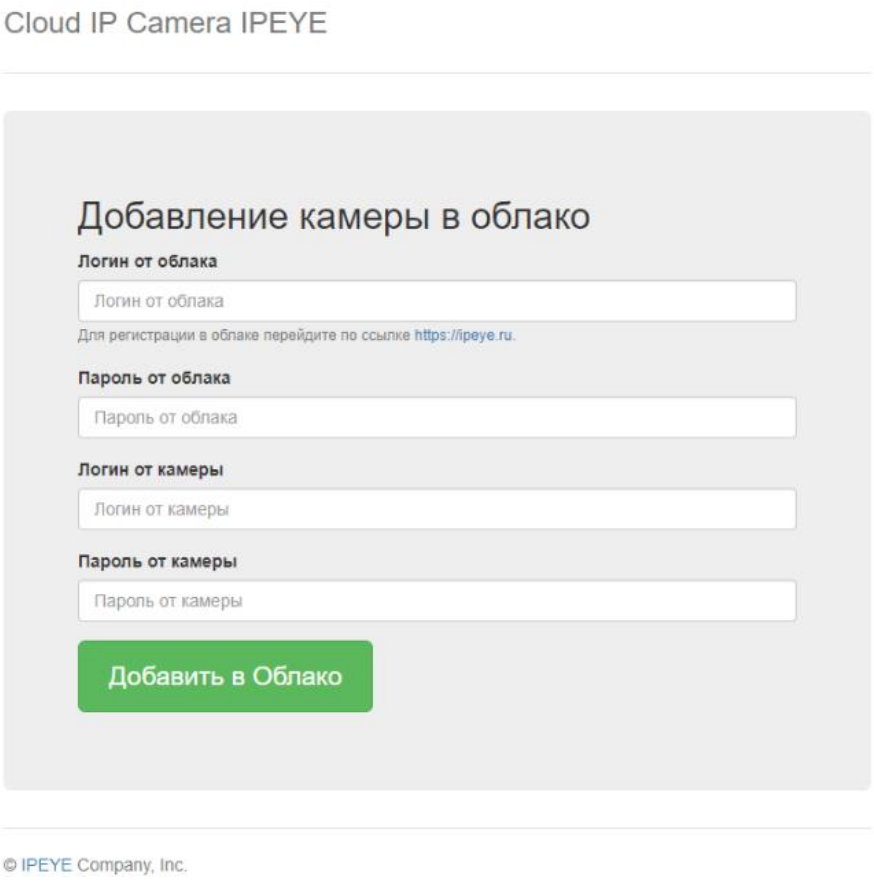


Figure 7-23 ③

Step 3: Log in to https://www.ipeye.ru/ and enter the IPEYE device list to view the newly added device name as “cloud_xxxxx”. Click Play to view the device real-time monitoring video. The list of IPEYE devices is shown in Figure 7-23 ④.

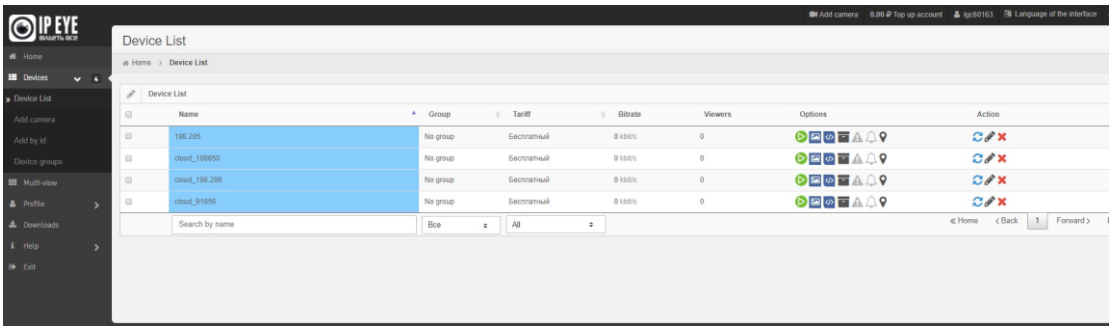


Figure 7-23 ④

Note：

- Some cameras do not support the IPEYE function. The specific interface is subject to the actual product.
-

7.4 Video

In the main interface, click "Configure → Video" to enter the video and audio configuration interface, where you can set the device video, audio and other functions.

7.4.1 Video

In the main interface click "configuration → video → video" into the video configuration interface, where you can set the IPC device name, stream type, encoding and other video parameters, as shown in Figure 7-24:

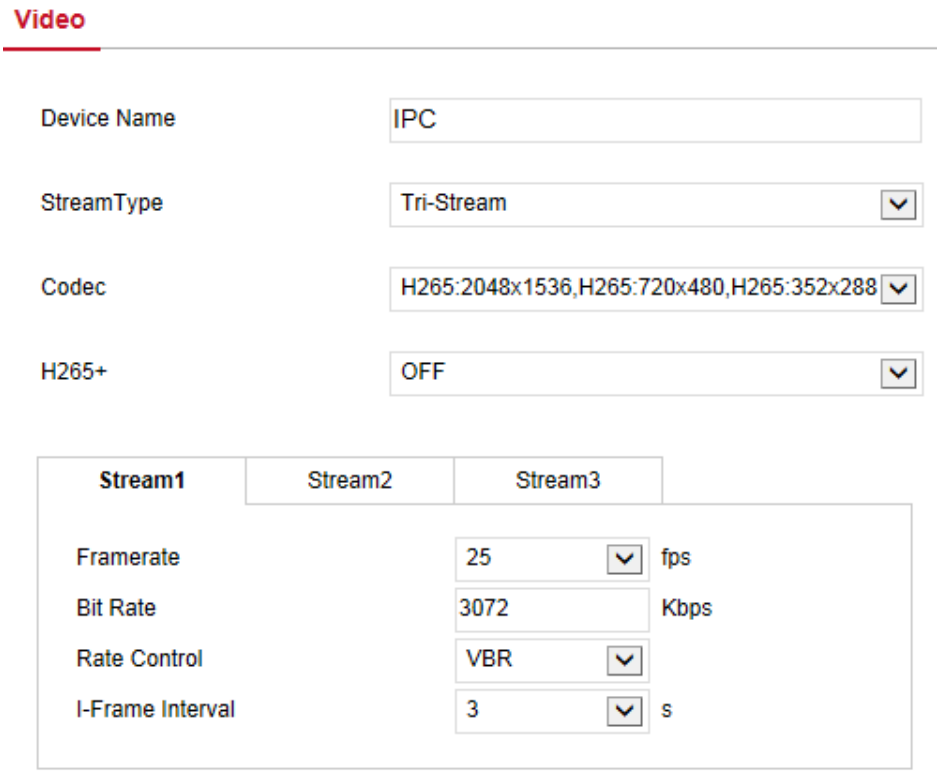


Figure 7-24

【Device Name】Setting your camera name.
【Stream Type】Here Single/Third available.
【Codec】Choose coding and resolution.
【H265+/H264+】Turn on/off the camera H265+/H264+.
【Framerate】Set the frame rate of the current output video of the device.
【Bit Rate】Support 64-12000kbps. The higher the bit rates the better video quality, but it occupy the greater network bandwidth and the greater the pressure transmission.
【Rate Control】 Switch the code rate output mode in the drop-down menu, fixed rate and variable rate.
【I Frame Interval】IPC acquisition key frame interval, can be set 1-5s.
【Profile】Default is the Main Profile, you can select Baseline Profile or High Profile.

Note:

- Different IPC, device stream type, encoding, frame rate and other information in the drop-down menu options are also different.
- When the frame rate is set too low, it will cause video cardton, please be careful.
- The higher the bit rate, the greater the current network bandwidth and the greater the transmission pressure.
- Only cameras that support the H264+/H265+ function display H264+/H265+ on/off items on the video interface.
- When the camera turns the H265+/H264+ on or off, it takes 30-60 seconds. Please be patient.

7.4.2 Audio

In the main interface, click "Configure → Video → Audio" to enter the audio configuration interface, where you can set the device audio input mode, select the audio code, set the input volume, as shown in Figure 7-25:

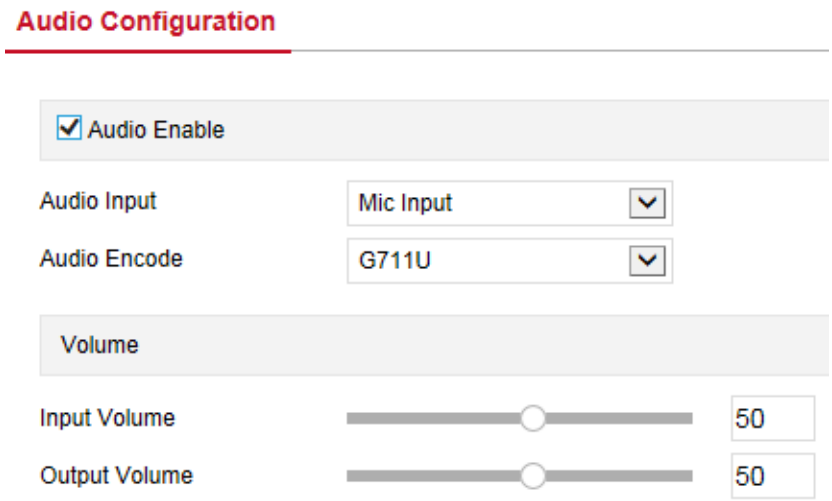


Figure 7-25

【Audio Enable】Turn on / off device audio input.
【Audio Input】Select the audio input method.

【Audio Encode】Choose audio encoding, G711U or G711A.
【Input Volume】Set the device input volume.
【Output Volume】Set the device output volume.

7.5 Image

In the main interface, click "Configuration → Image" to enter the image configuration interface, where you can set the device image and OSD text and other information.

7.5.1 Image

In the main interface, click "Configuration → Image → Image" to enter the image configuration interface, where you can adjust the related image parameters such as device image, IRcut, Exposure Settings, Backlight Settings, White balance, Image Enhancement ,Defog Model ,as shown in Figure 7-26:

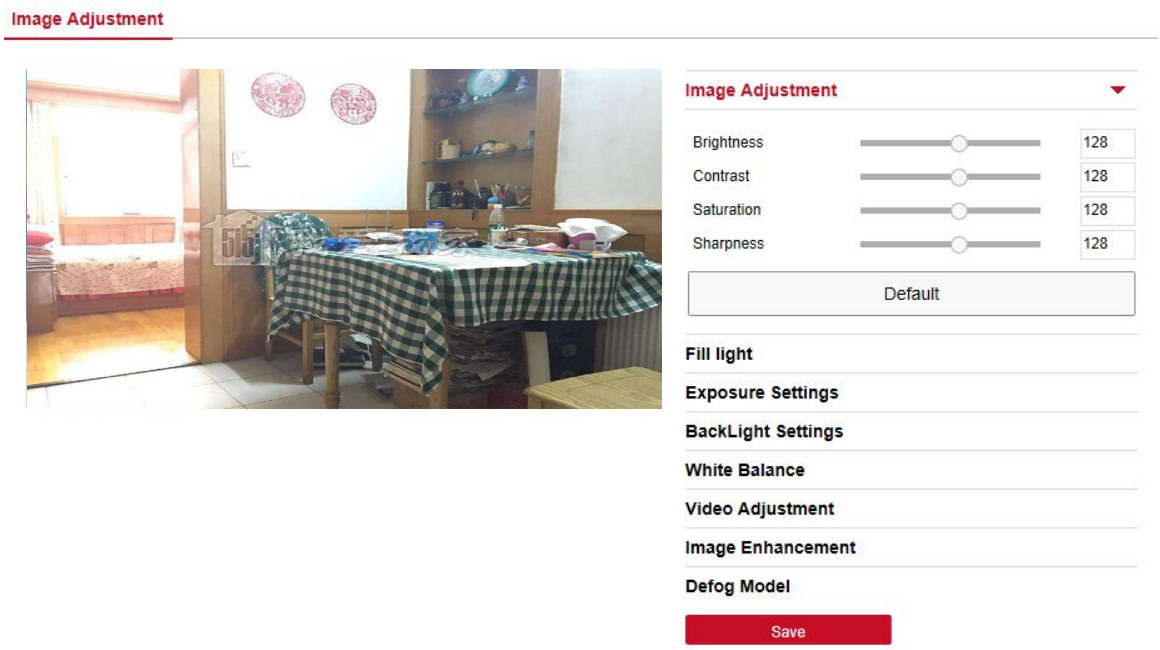


Figure 7-26

【Brightness/Contrast/Saturation/Sharpness】You can input the value manually to set brightness, contrast, saturation, sharpness. These parameters shall be set according to the actual environment. The scope of valid values is from 0 to 255, you can drag the slider to set, and the default value is 128. as shown in Figure 7-27:

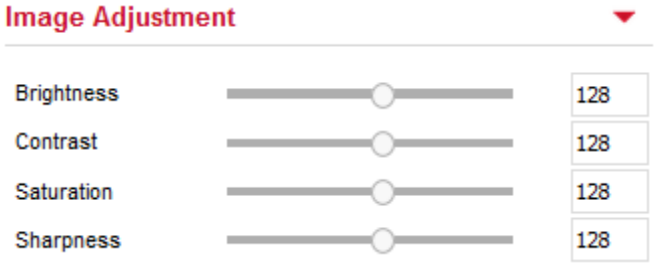


Figure 7-27

【Fill light】The default is auto fill light, the sensitivity is 3, the filter time is 3 seconds, and the light brightness is 100, as shown in Figure 7-28 ①. When the fill mode is "Auto", the device will turn on the fill light according to the actual environment. The user can switch the fill mode to "Daytime ", "Night" and "Time" according to the actual environment of the site, and switch the sensitivity and filter time of the device according to the fill mode.

Figure 7-28 ①

- When the fill mode is "Time", you can set the Dawn time and the Dark time (ie, the start and end fill time) and the fill light brightness, as shown in Figure 7-28 ②:

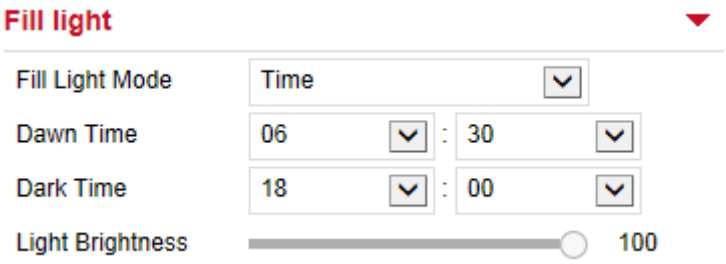


Figure 7-28 ②

- When the fill mode is “Day”, the device monitor video is lighted into a daytime effect.
- When the fill mode is “Black Sky”, the device monitor video is added to the night effect.

Filtering time: It is used to prevent the ambient light from getting better and the light is frequently turned on and off, and the filtering time is set. During this time period, the camera is not disturbed by ambient light.

Light brightness: It is used to adjust the brightness of the fill light, and the adjustable range is 0-100.

【IRcut】Used to switch IRcut conversion time and set IRcut switch mode. Switch the IRcut conversion time, and the 2-10S option in the drop-down menu. IRcut mode defaults to LDR Auto（if available）, drop-down menu with Video Auto, Color, B/W options. As shown in Figure 7-29:

Figure 7-29

【Exposure Settings】The default is automatic exposure, according to the actual need to switch the manual exposure mode, select "manual", the electronic shutter and gain adjustment is activated, click [Save]. As shown in Figure 7-30:

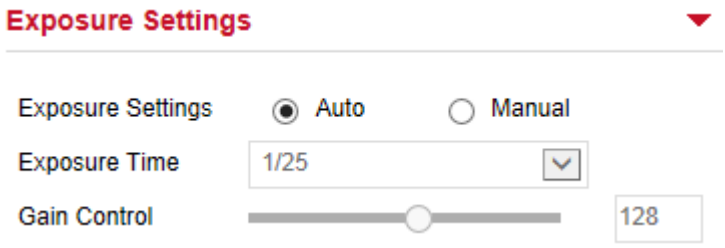


Figure 7-30

【BackLight Settings】It is used to set backlight compensation and strong light suppression. The default is off, it can be turned on manually, and the backlight and strong light suppression intensity can be set. As shown in Figure 7-31 below.

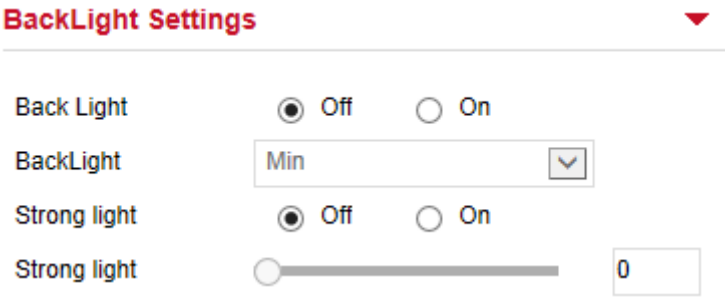


Figure7-31

【White Balance】Default auto, switchable Manual, Fluorescent Lamp, Incandescent, Warm Light, Natural Light. As shown in Figure 7-32:

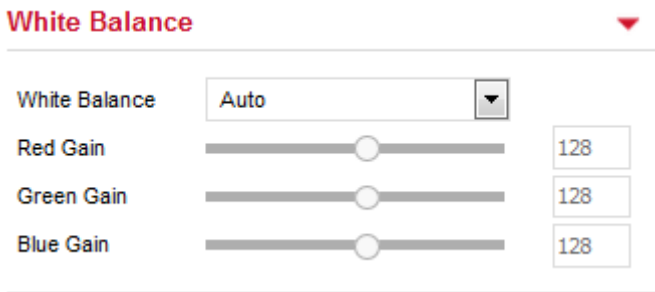


Figure 7-32

Manual white balance: It is support R, G, B gain adjustable, adjust the range (0-255), set

the click 【Save】.

【Video Adjustment】Here you can turn on and set 2D or 3D digital noise reduction, as shown in Figure 7-33.

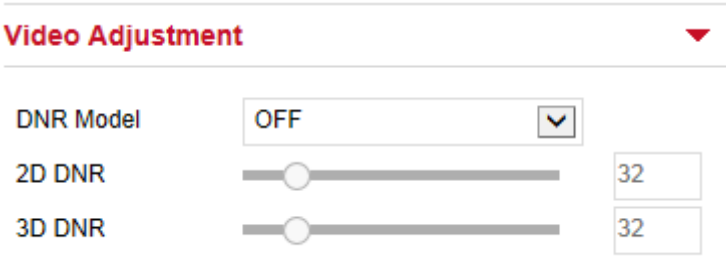


Figure 7-33

【Image Enhancement】Including flicker control, wide dynamic switch, HDR, as shown in Figure 7-34.

Figure 7-34

Flicker Control: The flash mode is selected according to the camera installation environment and the flicker standard; normally 50 Hz for PAL standard and 60 Hz for NTSC Standard, when the equipment is installed outdoors, you can choose outdoor.

WDR： The default is Shut Down, you can switch in the drop-down menu automatically, Weak, Moderate, Strong, Super.

【Defog Model】Used to set the de-fog mode and strength, as shown in Figure 7-35.

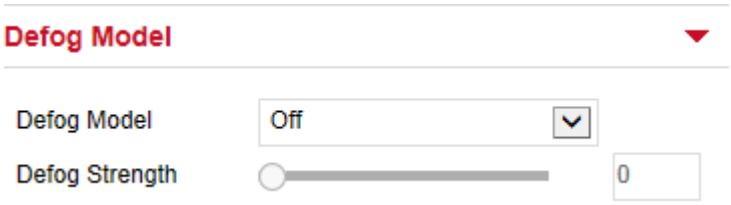


Figure 7-35

Defog Model: The default is off, you can choose from the drop-down menu to open or automatically.

Defog Strength: The default is 0, when the fog mode is open, you can set the fog strength, can be set to a value range of 0-255.

Note:

- The camera image interface only displays the device support functions. The specific interface is subject to the actual product.

7.5.2 OSD

In the main interface, click "Configuration → Image → OSD" to enter the OSD configuration interface, where you can set the preview interface to display menu time, OSD text and other information, as shown in Figure 7-36:

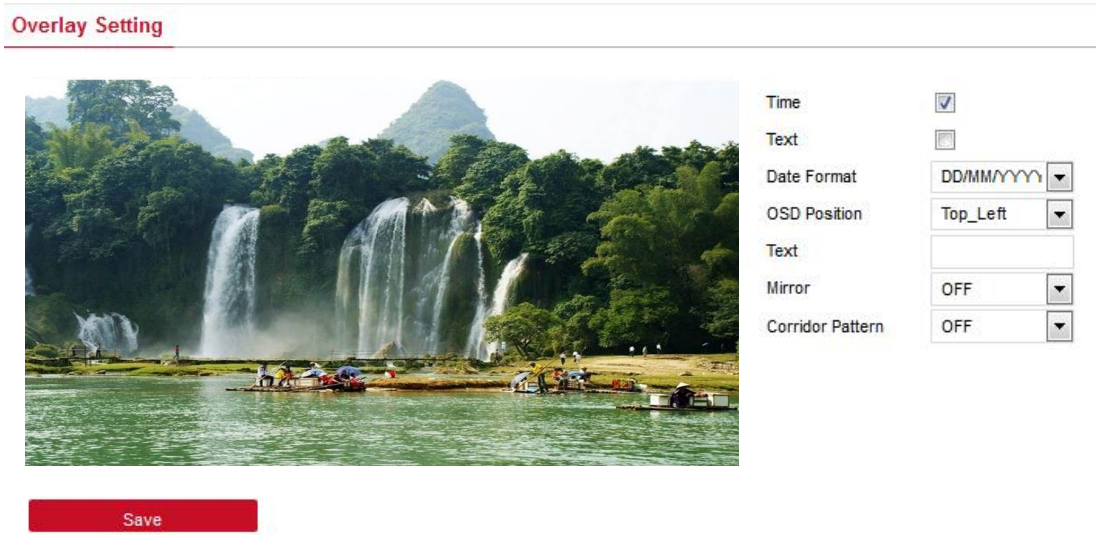


Figure 7-36

【Time】Turn on / off the preview interface time display.

【Text】Turn on / off the preview interface OSD text display.

【Date Format】Set the preview interface to display the date format, default day / month / year, switchable month / day / year and year / month / day options.

【OSD Position】Set the preview interface to display the time or OSD text position, the default is the Top_Left, you can switch the Bottom_Left.

【Text】Enter the preview interface to display text information, such as hall elevator, hall door and other equipment location information.

【Mirror】The default is OFF, you can switch VERTICAL, HORIZONTAL, BOTH, when the device video image is reversed, through the menu to flip the image.

【Corridor Pattern】The default is off, open the corridor mode, you can choose to preview the interface rotated 90 degrees and 270 degrees.

7.6 Events

In the main interface, click "Configuration → Events" to enter the event configuration interface, where you can set the device's motion detection alarm, privacy mask, block alarm, exception and other events.

① Motion Detection

In the main interface click on the "Configuration → Events → Motion Detection" to enter the motion detection settings interface, where you can set the motion detection alarm area, arming time, linkage mode and other related parameters, as shown in Figure 7-37.

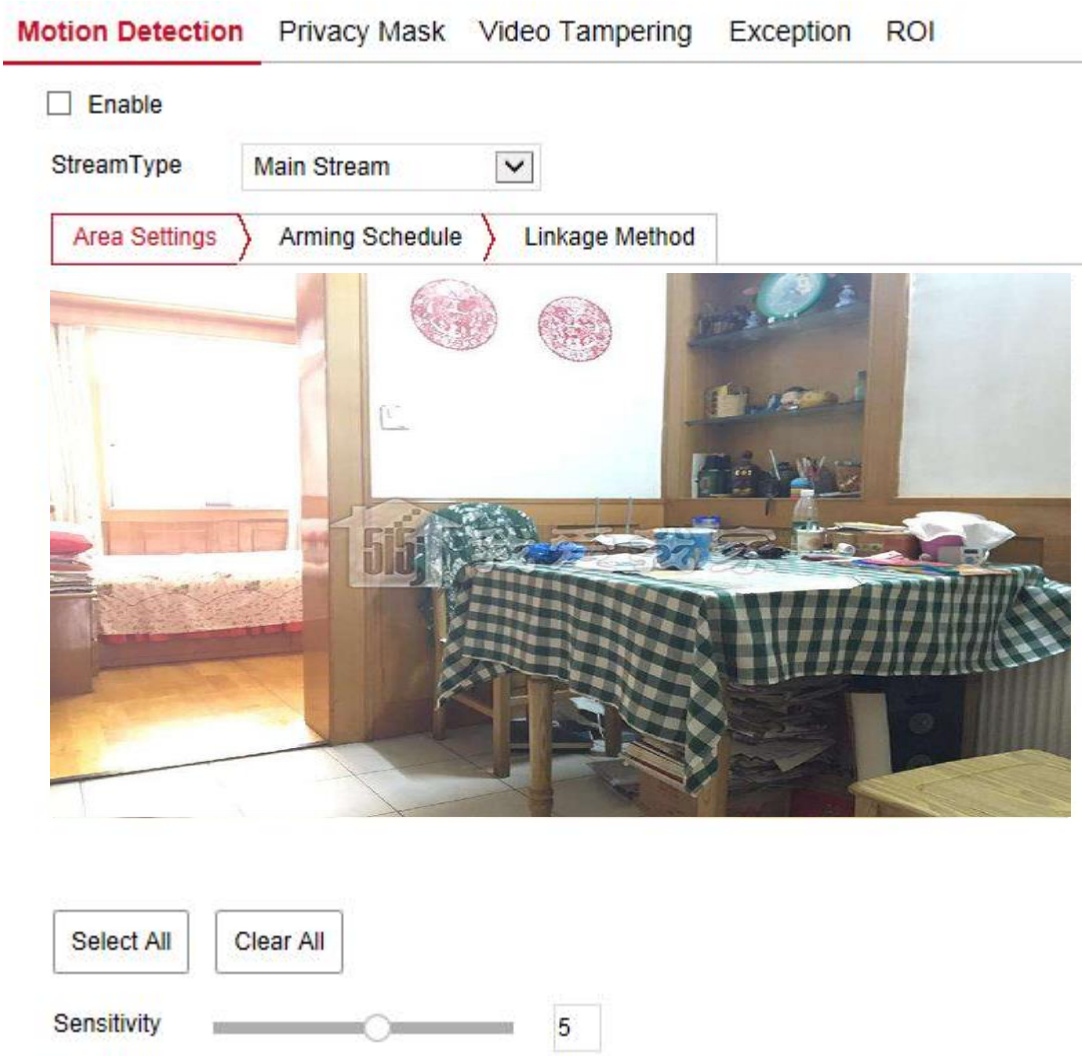


Figure 7-37

【Enable】Turn on / off device motion detection alarm.

【Stream Type】Select the code stream type for setting the motion detection alarm. The default is “main stream”, which can switch between “sub-stream” and “three-stream”.

Area Settings: Select the area to set the motion detection sensitivity.

【Select All】Motion detection range to monitor all of the area, which Consists of 396(22*18) small squares.

【Manually draw the alarm area】Move the mouse to the preview screen, click the left mouse button to select the range of motion detection, release the left mouse button to complete the alarm area selection. A camera can select multiple motion detection zones at the same time.

【Clear All】Clearing all the motion detecting area that selected currently.

【Sensitivity】The default is 5, can switch the range of 0-10, the greater the value of the more sensitive equipment alarm.

Arming Schedule： As shown in Figure 7-38, you can view, edit, delete the motion detection of the deployment time, the default for all-day deployment, can be adjusted by the following way to adjust the deployment of mobile detection time:

- Method 1: Click the arming time period, manually fill in the start time and end time, set

up and click Save. If you need to delete the time period, click the "Delete" button and then reset the time period.

- Method 2: Click the time of deployment, the time period will display two circles at both ends, the mouse moves to the circle, will show the left and right direction of the adjustment arrow, and move the adjustment arrow to adjust the arming time.
- You can set up more than one time period for up to 8 time periods.
- After the day of deployment time is set, if the other time also need to set the same arming time, click the right side of the timeline " " copy button, in the "copy to" interface check the "Select All" or a day, then Click "OK".
- After setting, click "Save" to complete the deployment time of the motion detection configuratio.

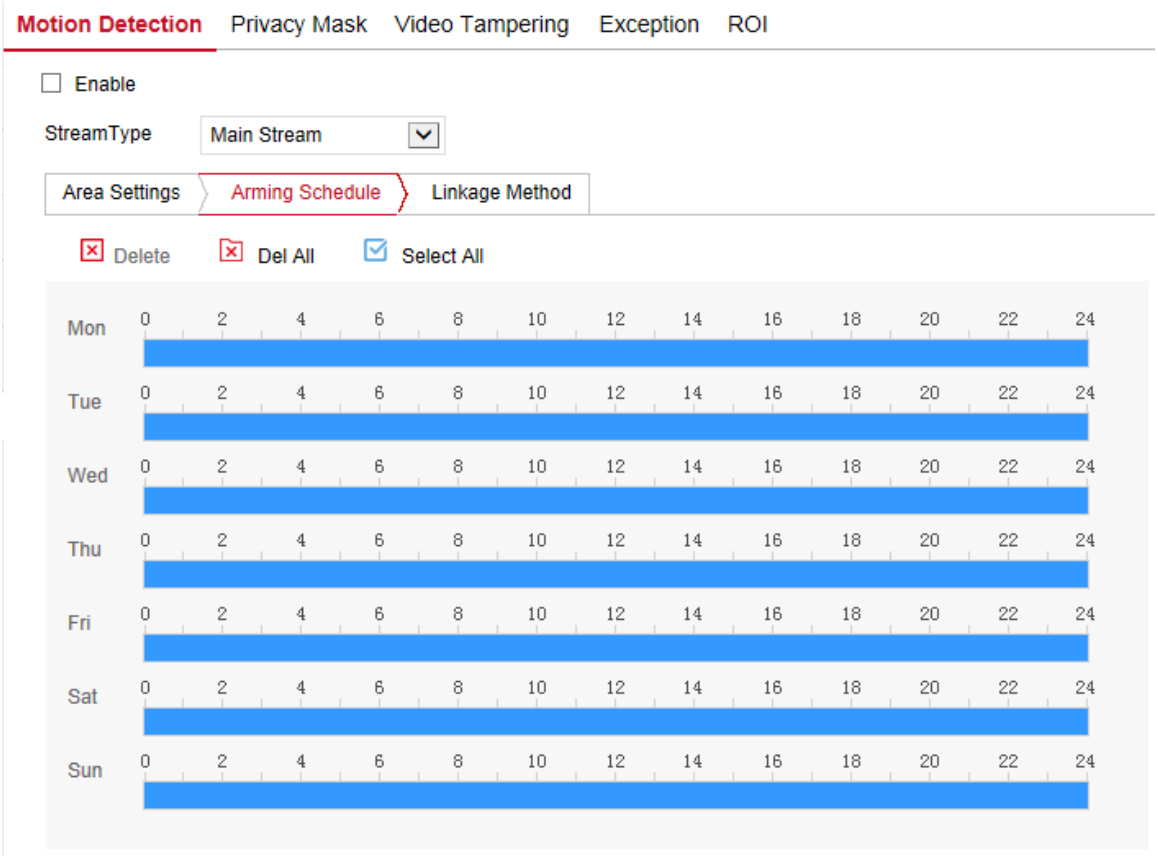


Figure 7-38

Note:

- When the arming time is set, there can be no overlap between any two time periods.

Linkage Method: When the motion detection to open the alarm linkage, there are a variety of alarm linkage, linkage, including conventional linkage, linkage alarm output, as shown in Figure 7-39:

【General Linkage】Including uploading SMTP，uploading FTP, uploading cloud and SD card record.

【Upload Via SMTP】Select and the system is configured with SMTP, the alarm information will be sent to the SMTP recipient mailbox.

【Upload Via FTP】Select and the system is configured with the FTP server, will send the alarm information to the FTP server.

【Upload Via Cloud】Select and the system is configured with the cloud server, will send the alarm information to the cloud account.

【Record Via SDcard】Select and configure the system video, the alarm will record the alarm video to the IPC SD card.

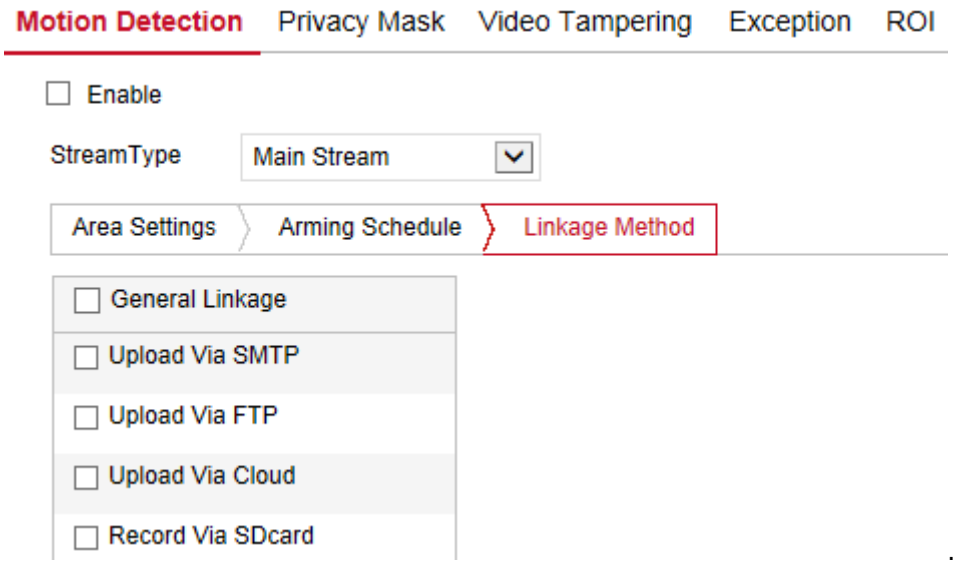


Figure 7-39

Open the "General linkage", "upload Via SMTP", "upload Via FTP", "upload Via Cloud", ”Record Via SDcard” function, when the device motion detection alarm, the linkage corresponding way to inform the user.

② Privacy Mask

In the main interface, click "Configuration → Event → Privacy Mask" to enter the privacy mask settings interface. As shown in Figure 7-40.

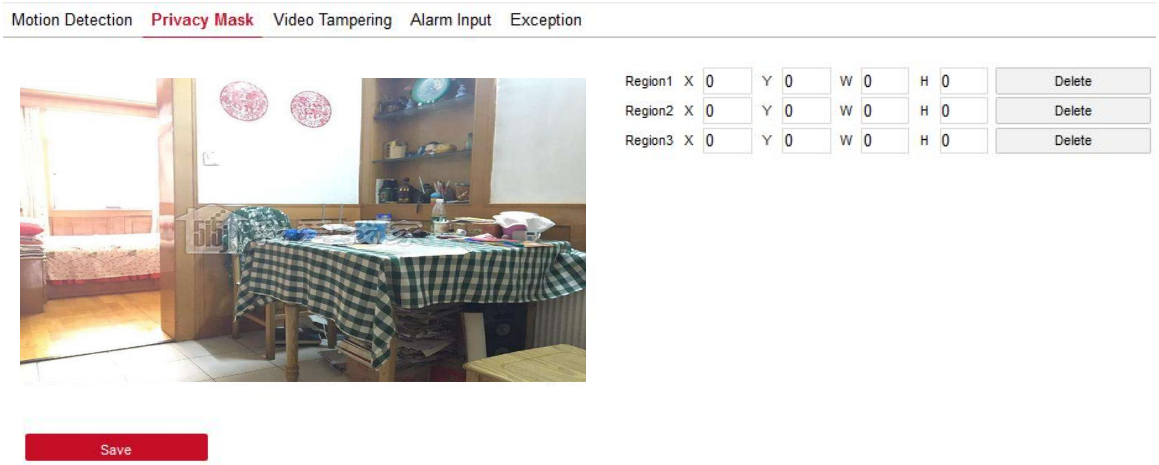


Figure 7-40

Here you can choose up to 3 occlusion areas. Hold down the left mouse button and drag to select the area in the area. Region 1、Region 2、Region 3 bellow will show the

corresponding coordinates, width, and height of the region .If you want to delete a region, click on the corresponding “Delete” button. Click on the “Save” after completing the setting.

③ Video Tampering

In the main interface click on the "configuration → Events → Video Tampering" to enter the video tampering settings interface. As shown in Figure 7-41:

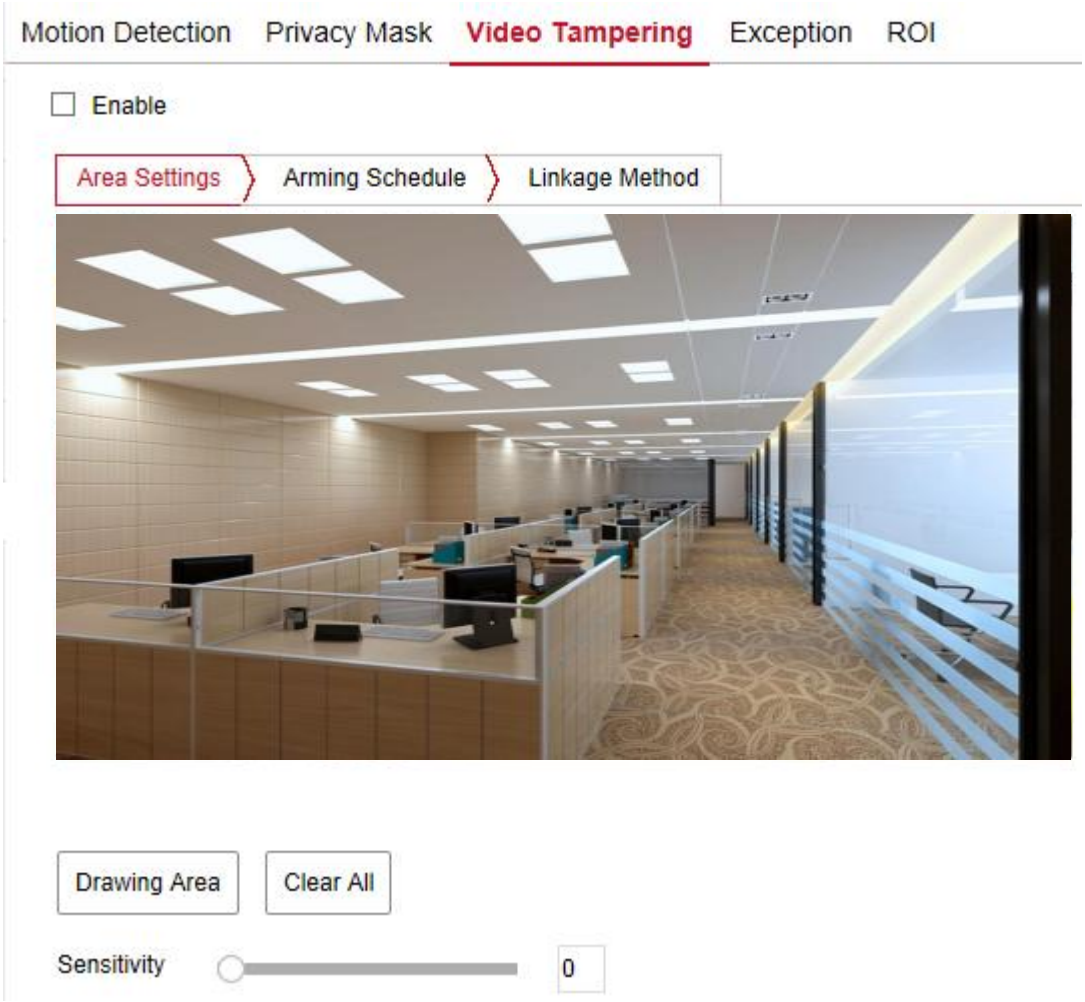


Figure 7-41

【Enable】Turn on / off device video tampering alarm.

Area Settings: Select the area to set the video tampering sensitivity.

【Drawing Area】Move the mouse to the preview screen, click the left mouse button to select the range of motion detection, release the left mouse button, click “Stop Drawing” to complete the alarm area selection.

【Clear All】Clearing all the video tempering area that selected currently.

【Sensitivity】The default is 0, can switch the range of 0-2, the greater the value of the more sensitive equipment alarm.

Arming Schedule： As shown in Figure 7-42, you can view, edit, delete the video tempering of the deployment time, default all day 0 arming, can be adjusted by the following way to adjust the deployment of video tempering time:

- Method 1: In the arming time period, hold down the left mouse button to drag the

mouse to the right to select the time period.

- Method 2: Click the arming time period, manually fill in the start time and end time, set up and click Save after setting. If you need to delete the time period, click the "Delete" button and then reset the time period.
- Method 3: Click the time of deployment, the time period will display two circles at both ends, the mouse moves to the circle, will show the left and right direction of the adjustment arrow, and move the adjustment arrow to adjust the arming time.
- You can set up more than one time period for up to 8 time periods.
- After the day of deployment time is set, if the other time also need to set the same arming time, click the right side of the timeline " " copy button, in the "copy to" interface check the "Select All" or a day, then Click "OK".
- After setting, click "Save" to complete the deployment time of the motion detection configurat.

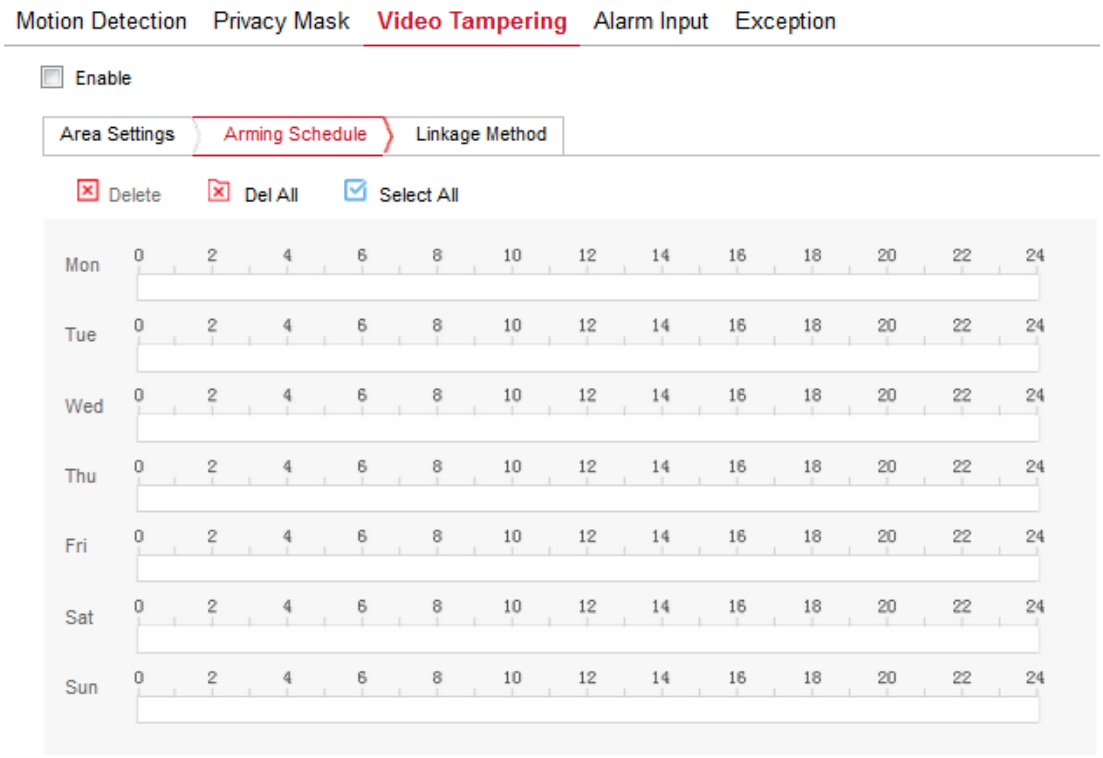


Figure 7-42

Note:

- When the arming time is set, there can be no overlap between any two time periods.

Linkage Method: Alarm linkage mode upload SMTP and upload FTP regular linkage, as shown in Figure 7-43:

【General Linkage】Including uploading SMTP and uploading FTP.

【Upload Via SMTP】Select and the system is configured with SMTP, the alarm information will be sent to the SMTP recipient mailbox.

【Upload Via FTP】Select and the system is configured with the FTP server, will send the alarm information to the FTP server.

【Upload Via Cloud】Select and the system is configured with the Cloud server, will send the alarm information to the Cloud server.

【Record Via SDcard】Select and the system is configured with the Sdcard record, will be recorded to the IPC SD card during the video tampering alarm..

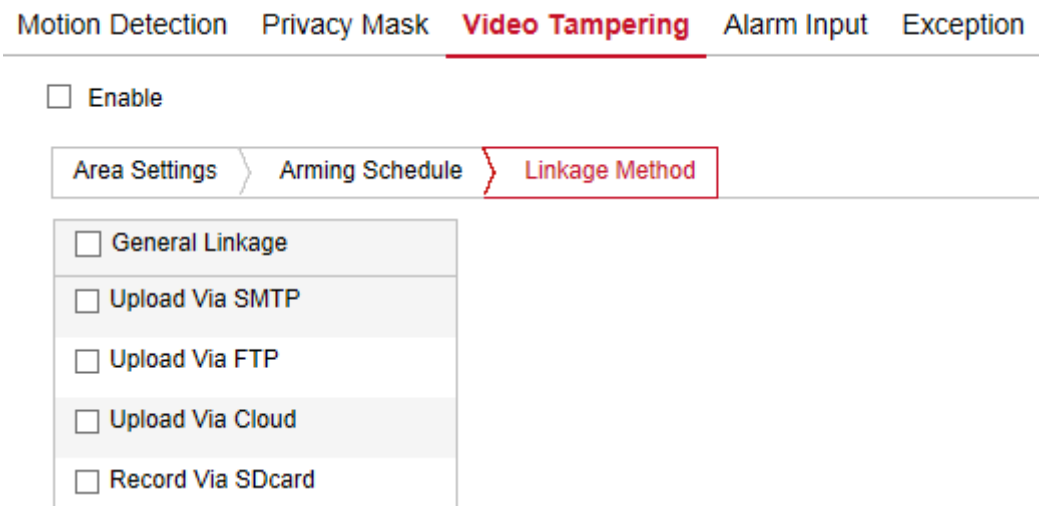


Figure 7-43

Here to open the "General linkage", "Upload via FTP", "Upload via SMTP", "Upload via Cloud", "Record via SDcard" function, when the device settings area is blocked and alarm, the corresponding way to inform the user.

④ Alarm Input

In the main interface click on the "configuration → Events → Alarm Input" to enter the Alarming Schedule settings interface.

Arming Schedule： As shown in Figure 7-44 You can view, edit, delete the video tempering of the deployment time, default all day 0 arming, can be adjusted by the following way to adjust the deployment of alarm input time:

- Method 1: In the arming time period, hold down the left mouse button to drag the mouse to the right to select the time period.
- Method 2: Click the arming time period, manually fill in the start time and end time, set up and click Save after setting. If you need to delete the time period, click the "Delete" button and then reset the time period.
- Method 3: Click the time of deployment, the time period will display two circles at both ends, the mouse moves to the circle, will show the left and right direction of the adjustment arrow, and move the adjustment arrow to adjust the arming time.
- You can set up more than one time period for up to 8 time periods.
- After the day of deployment time is set, if the other time also need to set the same arming time, click the right side of the timeline " " copy button, in the "copy to" interface check the "Select All" or a day, then Click "OK".
- After setting, click "Save" to complete the deployment time of the motion detection configurat.

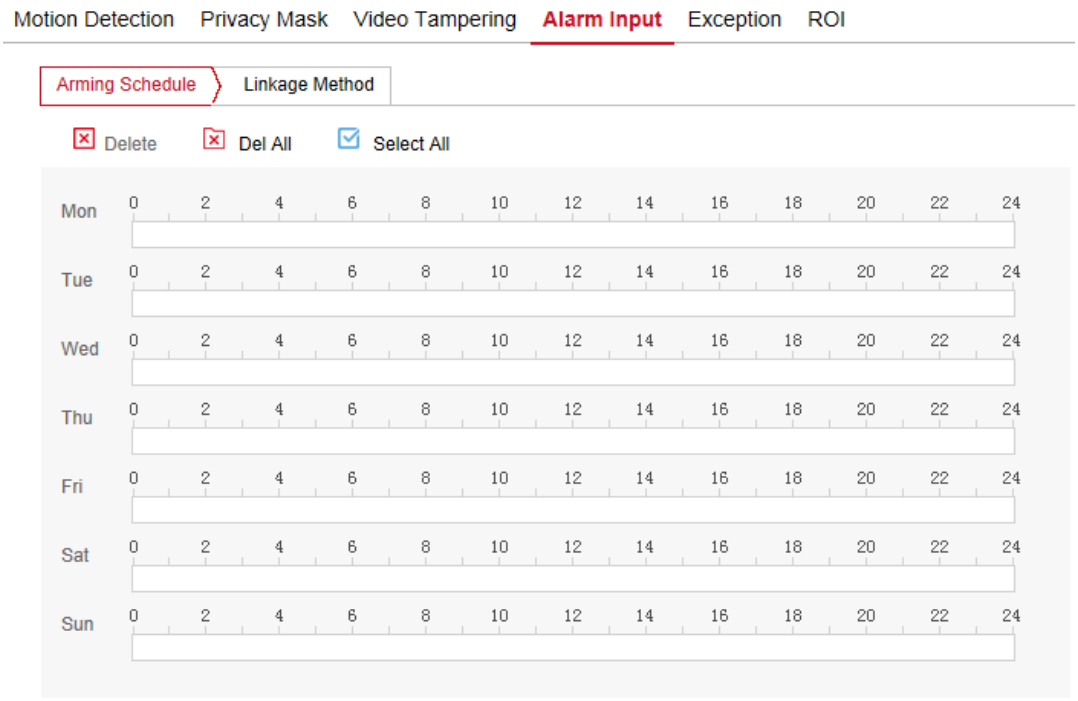


Figure 7-44

Linkage mode settings: Alarm linkage, including upload SMTP and FTP upload the normal linkage and IO output of the linkage alarm output, as shown in Figure 7-45

【Regular linkage】 Including upload SMTP and upload FTP.

【Upload Via SMTP】Select and the system is configured with SMTP, the alarm information will be sent to the SMTP recipient mailbox.

【Upload Via FTP】Select and the system is configured with the FTP server, will send the alarm information to the FTP server.

【Linkage Alarm Output】 Including IO output.

【IO Output】 Be enabled and the device IO port is connected to the output alarm device. When there is alarm input, the alarm device connected with IO port will make the corresponding alarm action.

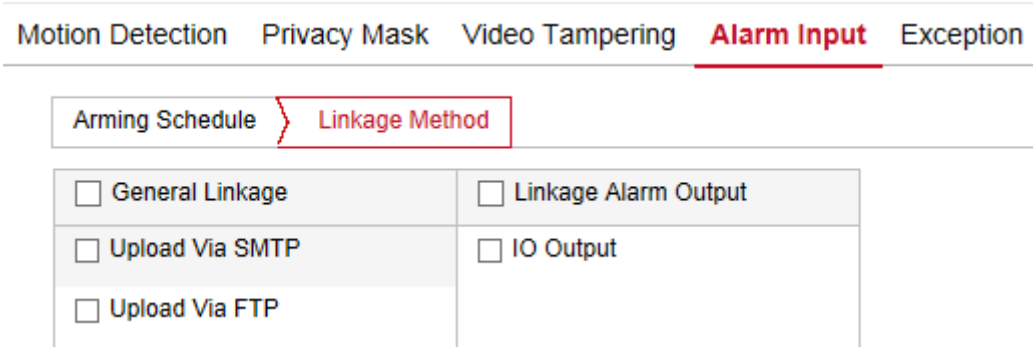


Figure 7-45

⑤ Exception

In the main interface, click "Configuration → Events → Except" to enter the exception settings interface. As shown in Figure 7-46

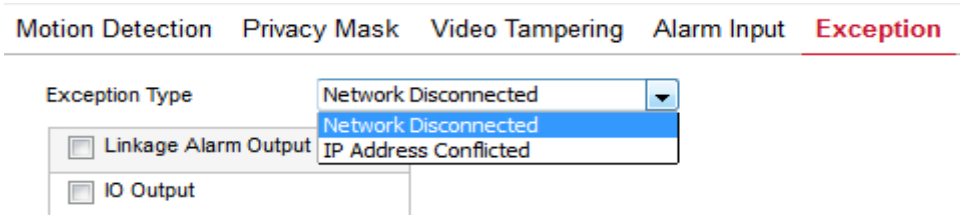


Figure 7-46

Set the "Cable Disconnection" and "IP Address Conflict" alarms here, and set the alarm output mode. Click on the “Save” after completing the settings.

⑥ ROI

ROI set the "Relative QP value" or "QP absolute value" functions for the region of interest. Up to three "fixed areas" can be set. On the main interface, click "Configuration → Events → ROI" to enter the ROI setting interface, as shown in Figure 7 – 47.

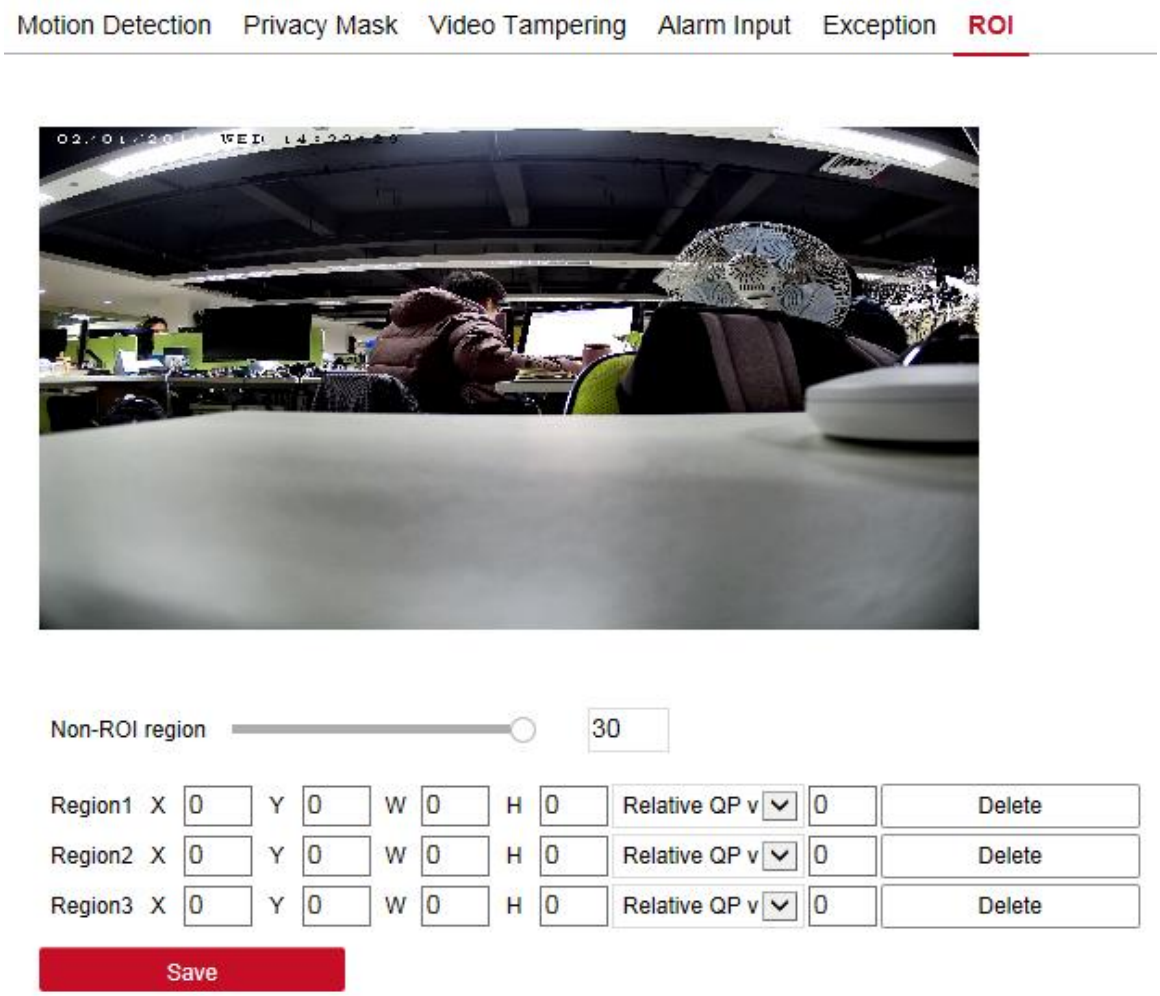


Figure 7-47

The specific steps of the ROI are as follows:

Step 1: [Regional Settings] Move the mouse to the preview screen, click the left mouse button to select the ROI area range, and release the left mouse button to complete the area drawing. You can also enter the X, Y, W, and H corresponding positions in the corresponding area to set the area.

Step 2: [Set "Relative QP value" or "Absolute QP value"] Select "Relative QP value" or "Absolute QP value" in the corresponding area position and enter the corresponding value.

Step 3: Slide the scroll bar to set the frame rate of the non-ROI area, and click “Save” to complete the ROI setting.

Note:

- The ROI function depends on the specific model, and the ROI function is only supported under the H.264 or H.265 code. Other codes do not support the ROI function at this time.
- The ROI configuration is more effective when using a non-ROI frame rate setting is lower.
- Click [Delete] in the corresponding setting area to delete the corresponding ROI area.

Chapter 8 Frequently Asked Questions

1.Why can not access the camera by IE?

Answer: There maybe 4 reasons, Details are as follows:

a.The network unreasonable?

Solution: First you can connect network by PC, check the network cable if it is good. And check the network between the camera and the PC is good.

b.The IP address of the camera is occupied by other device or PC?

Solution: You can connect the camera with your PC directly, and modify the IP address or use the IP search tool.

c.The camera maybe in other network segment?

Solution: Check the IP address and net mask.

2. Why can not access the camera after update?

Answer: Clean browser cache.

Step: open IE, click “Tools” and select “Internet Options”, then you can see “Temporary Internet files” and click “Delete Files”, it will prompt a dialog you need to check “Delete all offline content” and click “OK”.

Also you can click “Start” and select “Run” then enter “cmd”, enter “arp -d” in “Command Prompt” interface. Re-access the camera.

3. Why cannot show the whole interface?

Answer: Close some options of IE.

Step: Open IE, click “View” and select “Toolbar”, close the “Favorites bar”, “Status bar” and “Command bar”.