

Tanz Security

Network camera user manual



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- 1 -

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Chapter 1 Summary

This user manual would guide you for Tanz network camera settings through a web browser.



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Chapter 2 PC Requirements

2.1 PC Configuration Requirements

CPU: P4 2.4 or higher .

RAM: More than 1G (advisable 2G and higher) .

Graphics card: Higher than 256M.

2.2 Operation System Requirements

Windows 7, Windows 8, compatible with 32 and 64 bit systems.

Please use Administrator level when using IE

2.3 Browser Requirements

Internet Explorer 8, 9, 10, 11, Firefox, Chrome and Safari.

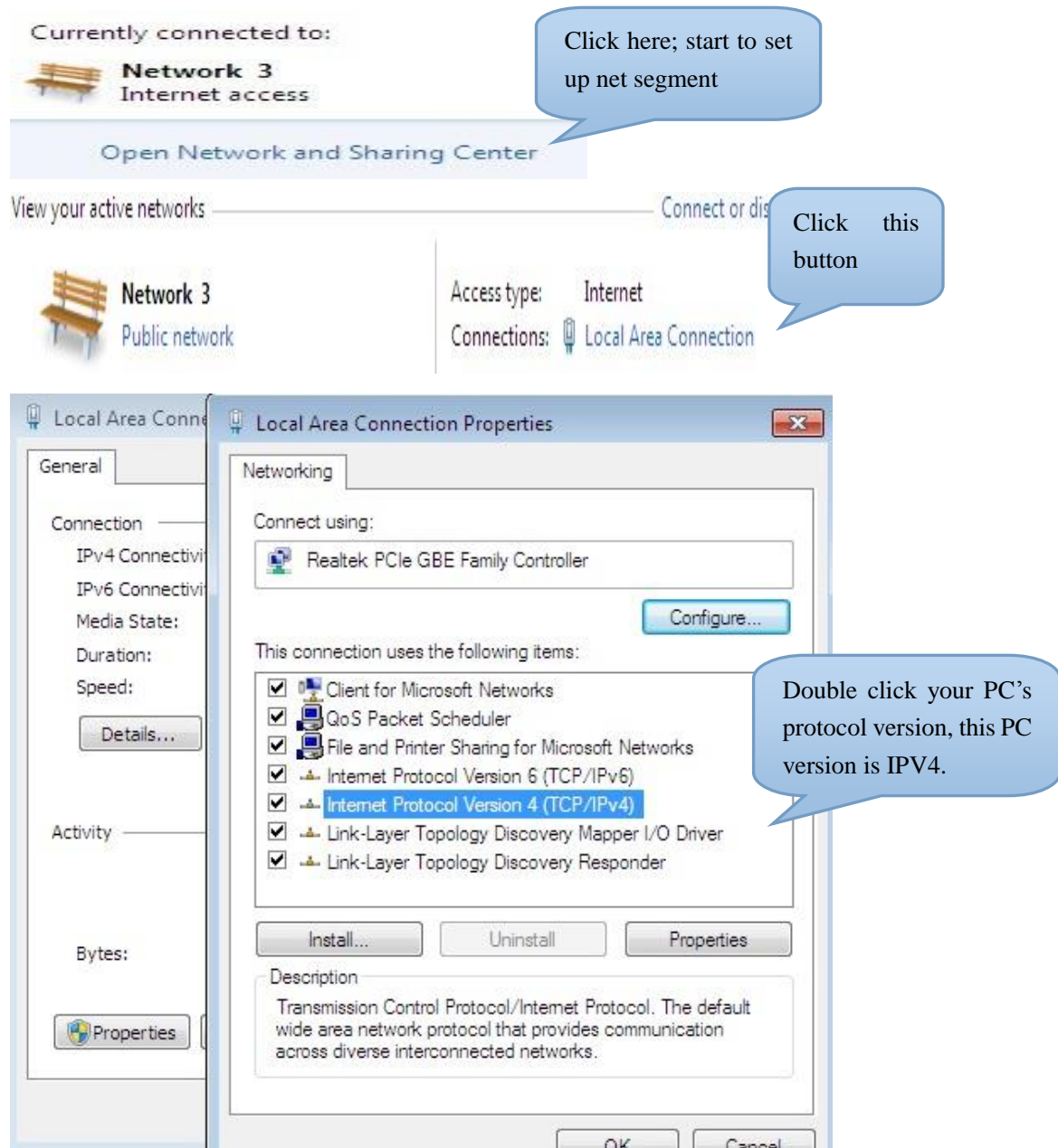


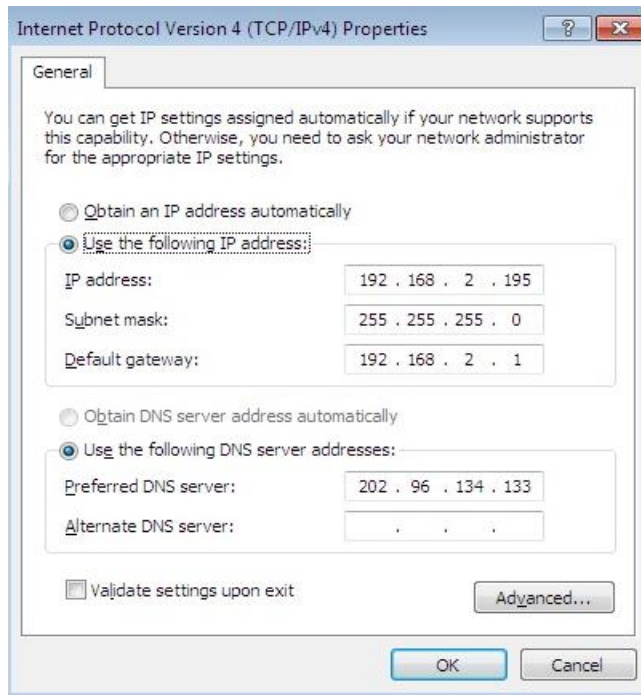
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Chapter 3 Login

3.1 Network Configuration

The default IP address of device as: 192.168.12.100, before login in device to check PC if have 12 net segment, if PC don't have 12 net segment, need to add 12 net segment for PC.





Click “Add” and type IP address, please follow your network actual IP segment.

Subnet mask would be provided by PC system.

Default gateway should be in the same segment as IP address.

Click “Advanced”, or put into IP address directly

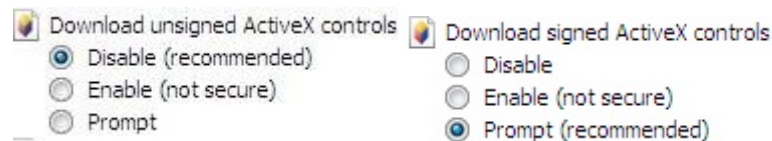


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3.2 Browser Configuration

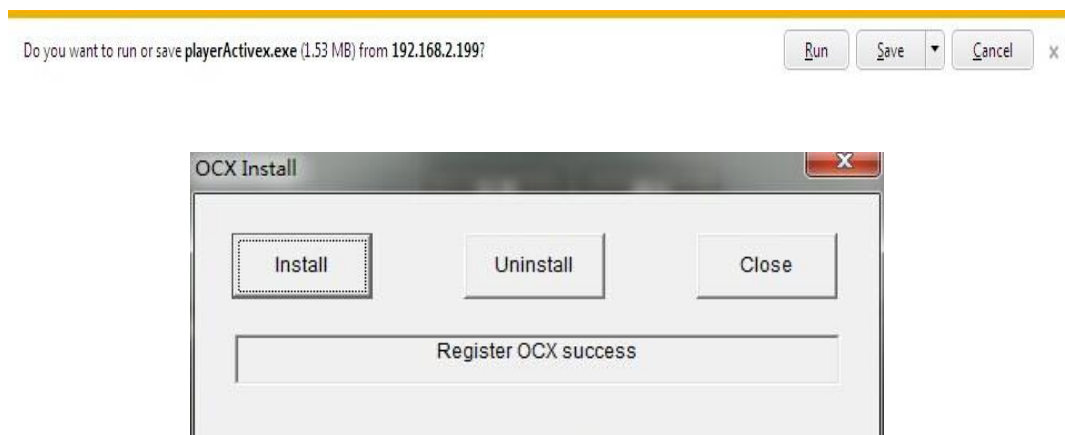
1. For the first time to use browser to access device, please open browser and click **【tool】** icon. Click **【Internet】** Pop-up operation interface.

2. Please click **【User Defined】** in security tab **【Security】**, Pop up **【Security Set】** windows, select the following items before installing Active X plug-in



3. Please click **【OK】** after finished settings, at this time pop up dialog box, click **【Yes】** to exit dialog box, then click **【OK】** again to exit setting interface

4. Download ActiveX plug-in, after prompting installing success. Start IE browser again and then login device. Once installed please click **【CLOSE】**



3.3 Login

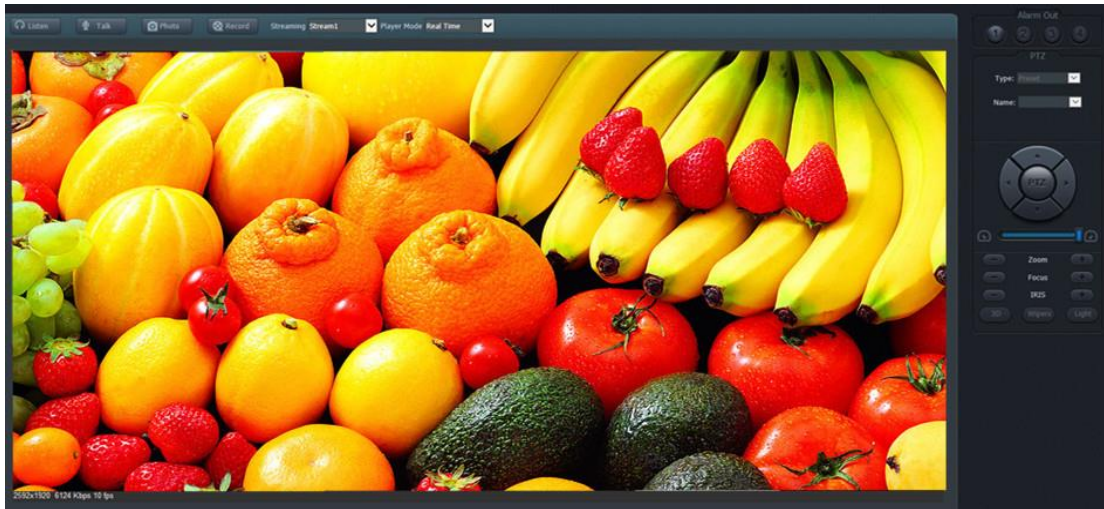
Restart the browser, input the device IP to access, select interface language, input username and password, and click on **【login】** to access the main interface (default username and password as: admin)



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Chapter 4 Main Interface

4.1 Main Interface Display Status



4.2 Operation of Real-Time Preview Interface

Click **【Real time】** to enter into real-time preview interface.

Click **【Real time】** to enter into real-time preview interface.

Click **【Talk】** to realize audio communication with device to control device if audio output
【Listen】 Control device if receive outside voice.

Click **【Streaming】** pull-down menu to select streaming, call out quickly two preset streaming (original streaming and sub streaming) at this place.

Click **【Photo】** to get current picture, click **【Snap shot success open】** at the bottom right corner of picture to preview saved picture.

Click **【Record】** to real-time record, Click again would cancel record status.

Drag mouse left in the picture can enter amplification function, and be able to amplify part of picture, bottom right corner display preview picture. Click mouse right to pop up dialog box, click “restore panorama” to exit out amplification function.

Bottom left corner of picture display basic info. of current picture, including solution, streaming and frame.

Top right corner of picture (default position) display current date and user can also use OSD interface to modify the time displaying position.

4.3 Alarming Output

This software provide 4 channel alarming output, and switch by click in page table.

4.4 PTZ Control

Notice: PTZ control is effective for the PTZ devices.

4.4.1 Preset Control

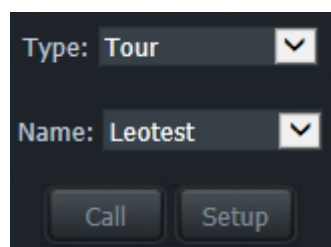
Add preset: select **【Setup】** at pull-down menu of preset. Select setting position by PTZ direction key at the switched PTZ page and click **【Add】** .

Select preset ID and give a name to this preset. Click **【Save】** and accomplish preset.

Call preset: Select preset name item **【Name】** in preview interface, click **【Call】** button and enable to call preset.

4.4.2 Tour Control

Add tour: Adjust PTZ controlling to “tour”, click **【Setup】** to enter into interface.



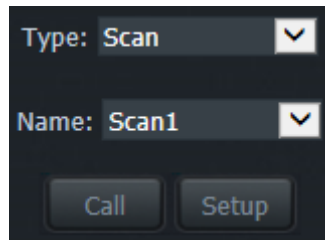
Tour is based on multipoint tour function of multi-presets that have been setup. So please set up several presets before tour.

Click **【Add】** ,enter info to tour ID and name, select preset which have been set up from

pull-down menu. Add preset as tour preset point, click **【Save】** after adding all presets that you need.

4.4.3 Scan Control

Add scan: Select scan in PTZ setup interface, click **【Setup】** enter into scan configuration interface.

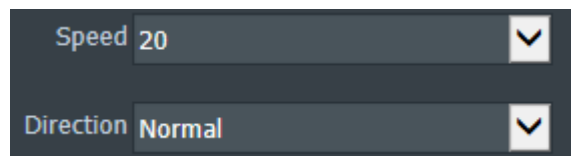
A screenshot of a scan configuration interface. It features two dropdown menus: 'Type' set to 'Scan' and 'Name' set to 'Scan1'. Below these are two buttons labeled 'Call' and 'Setup'.

Scan function enable device move over and over again by the shortest haul between two points that have been setup, which is the best way to control local region.

Enter into scan interface, click **【Add】**, then click **【Start】**, Confirm scan start endpoints, select **【Stop】** to confirm the end points and then complete configuration by PTZ direction key.

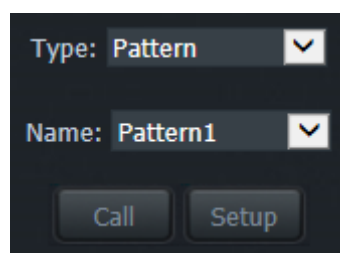
Notice: scan is linear motion in the shortest distance between start point and end point, will not record any other points where it passed.

User can also adjust scan speed and scan direction in configuration interface.

A screenshot of a configuration interface for scan speed and direction. It shows a 'Speed' dropdown menu set to '20' and a 'Direction' dropdown menu set to 'Normal'. Both dropdowns have a small downward arrow icon on the right.

4.4.4 Track Control

Add track: click **【Setup】** in the main interface to enter into track configuration interface.

A screenshot of a track configuration interface. It features two dropdown menus: 'Type' set to 'Pattern' and 'Name' set to 'Pattern1'. Below these are two buttons labeled 'Call' and 'Setup'.

Track function enable device move repeatedly on setup track from start to end and then back to start point to control part region.

Enter into track configuration interface, click **【Add】**, then click **【Start】**, setup device's path must be passed by PTZ direction key, at last, click **【Stop】** to complete configuration.

4.4.5 PTZ Control

User can go to control PTZ lens' direction by main interface's direction key.



User can control PTZ moving speed by the slider bare below direction key.

4.4.6 Focus control and 3D function

User can focus **【Zoom】** speed dome camera by focus **【Zoom】** button of main interface.

Click **【Zoom】** to adjust speed dome field angle,

Click **【Focus】** to focus speed dome.

Click **【3D】** to use 3D function, click focus position in real time picture to adjust picture easily to the best status you need(This function only operate for PTZ).

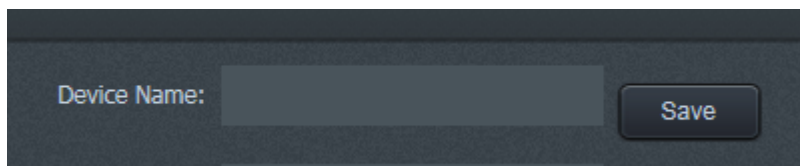
After clicking **【3D】**, User can control device auto focus's step number and forward and back of focus by controlling frame selected (The smaller of selected frame, the larger of the moving space) by mouse left button size and direction(it's "zoom in" from up left to bottom right and it's zoom out from bottom left to upper right)at real time preview interface of motorized device model.

Chapter 5 Setting interface Operation Manual

5.1 Device Information

5.1.1 Information

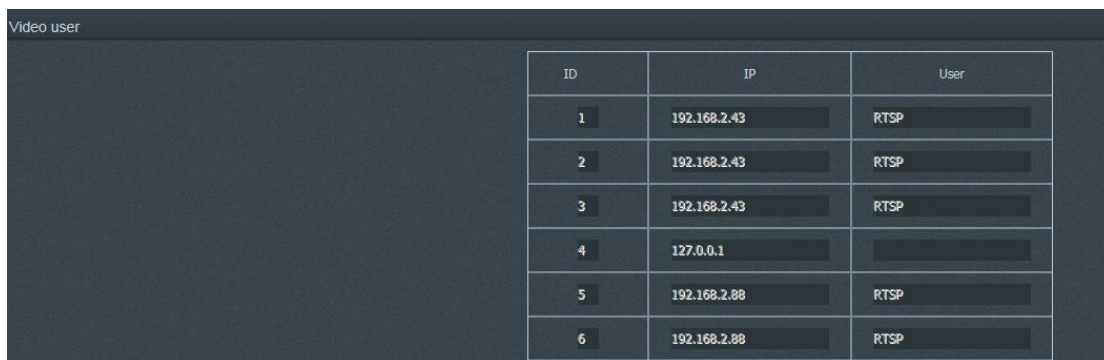
User set up personality device name through **【Device Name】** .



Device Name: Save

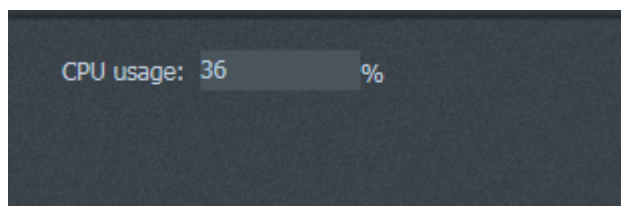
5.1.2 Status

Video user: Showing the IP of the video user



ID	IP	User
1	192.168.2.43	RTSP
2	192.168.2.43	RTSP
3	192.168.2.43	RTSP
4	127.0.0.1	
5	192.168.2.88	RTSP
6	192.168.2.88	RTSP

Cpu: Device CPU load percentage



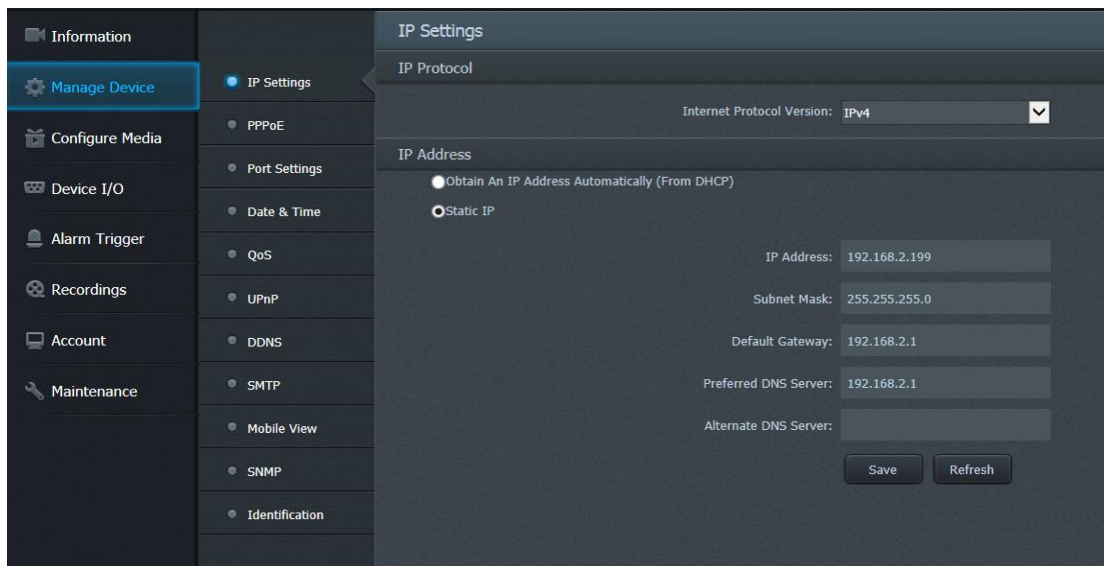
CPU usage: 36 %

5.2 Manage Device

Click **【Manage Device】** to enter into configuration interface.

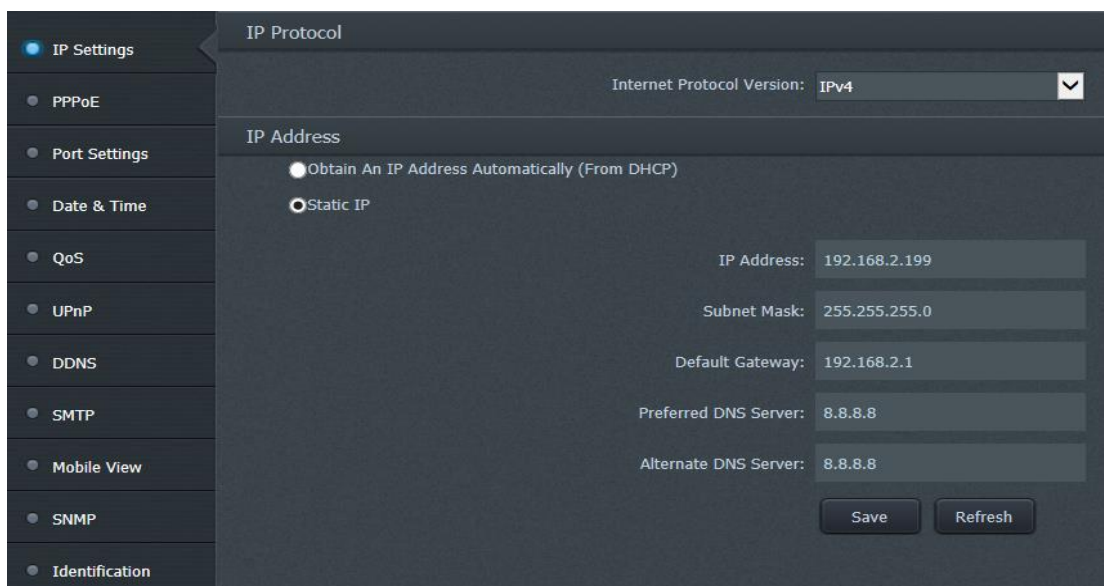


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5.2.1 IP Settings

Click **【IP Settings】** to enter into configuration interface.



User can configure IP selection, select IPv4 or IPv6. User can select “Obtain AN IP Address Automatically (From DHCP)” or “Static IP”.

Notice: when setting up IPv4, please keep consistency of IP address that has set and default gateway.

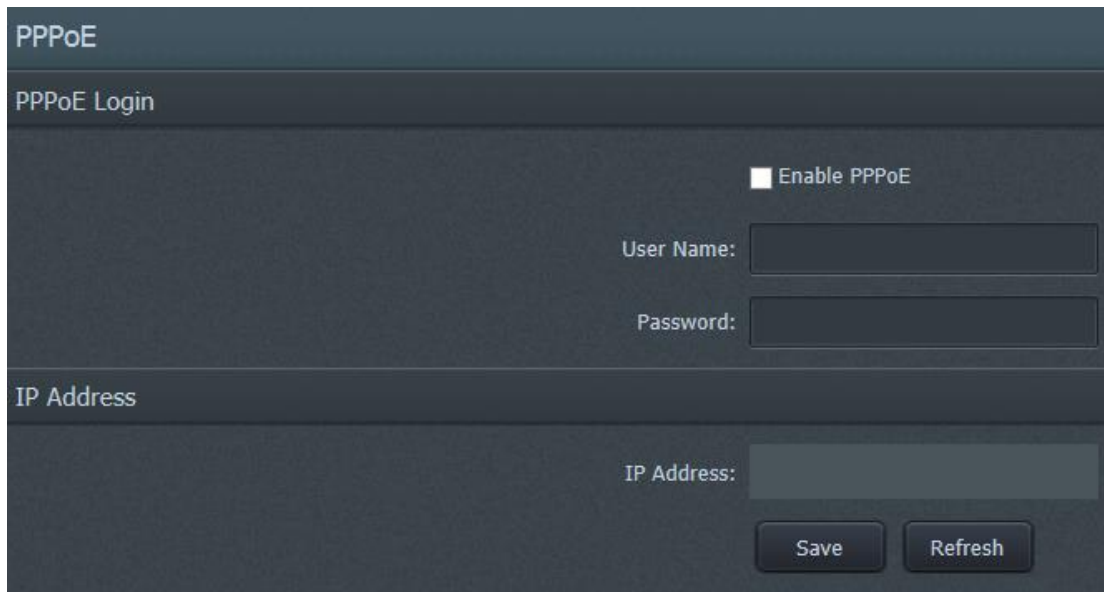
Device IPv4 default address is as static address:192.168.12.100.

Device IPv6 default address is: 3ffe:ffff:0:f101::120.

Gateway is: 3ffe:ffff:0:f101::120.

5.2.2 PPPoE

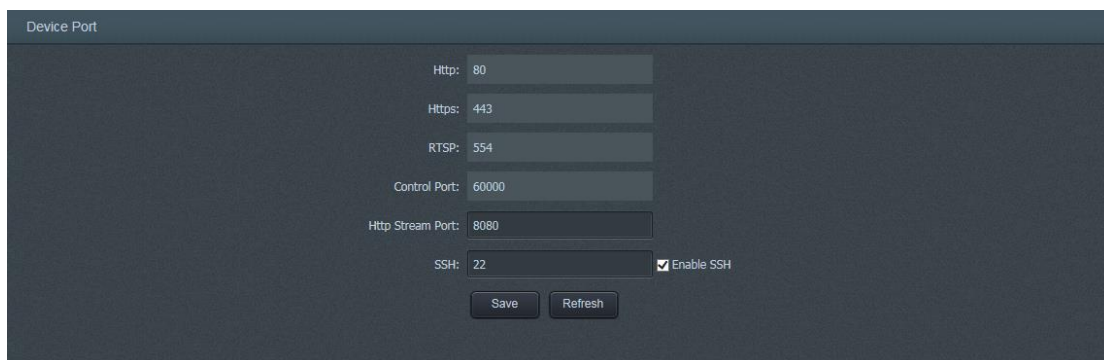
Click **【PPPoE】** to enter into configuration interface



Select **【Enable PPPoE】**, and enter right user name, password and IP address, click set and save set item. Then you can use PPPoE.

5.2.3 Port Settings

Click **【Port settings】** to enter into configuration interface.



In this window, user can check info and set info. of Http, RTSP and control port.

Http: Http is transfer protocol to transfer HTML data. Default value is 80, the using way after modifying: for example, port is 85 for http, open the webpage, enter “http://192.168.12.100:85” to login.



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Https: Https default port as 443, when use https to access web page, input:

https: //192.168.12.100 ,then login。

RTSP: RTSP is transfer protocol that transfer multimedia data. Default port is 554.

Using RTSP://192.168.12.100(this is as IP address):554/media/live/1/1 can open device real-time video. Https:Https Default port is 443.

Control Port: It is used for receiving command from other device, such as PC. Also be used for web page of PC to get video stream. Default port is 60000.

Http stream port: It is used for data transmission under HTTP API/CGI protocol. Default port is 8080.

SSH: Terminal device can access the IP camera by this protocol. Enable SSH can debugging the IP camera.



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5.2.4 Date & Time

Click **【Date & Time】** to enter into configuration interface.

Date & Time

Time

Device Time: 2014-12-8 9:38:56

Timezone: GMT

☐ Use DST

Begin: Jan First Sunday 0:00

End: Jan First Sunday 0:00

Dst Offset: 1 : 0

PC Time: 2014-12-8 9:38:28 Save

Manual Setup: 2014-12-8 9:38:26 Save

Internet Time

☐ Use NTP

NTP IP:

Port: 123 Save

Click **【Time Zone】**, you can adjust the time zone in pull-down menu.

Select **【Use DST】** to start daylight saving time. Configure DST begin time at **【Begin】** item, DST end time at **【End】** and DST offset at **【DST offset】** item.

User click **【Save】** configure device real time and save DST setting.

PC Time: 2014-12-8 9:38:49 Save

Manual Setup: 2014-12-8 9:38:26 Save

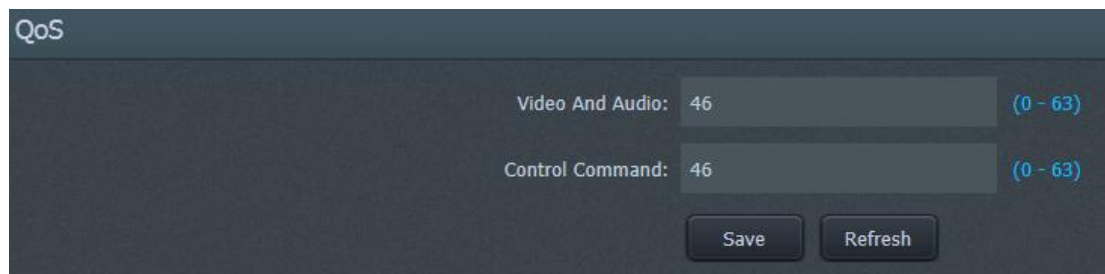
Select **【Use NTP】** to start NTP time correction. Add right internet NTP IP and port at **【NTP IP】** item, click **【Save】** to save NTP setting.

NTP synchronized NTP service time and device time at intervals under the situation of device connect with internet to realize time correction function.



5.2.5 QoS

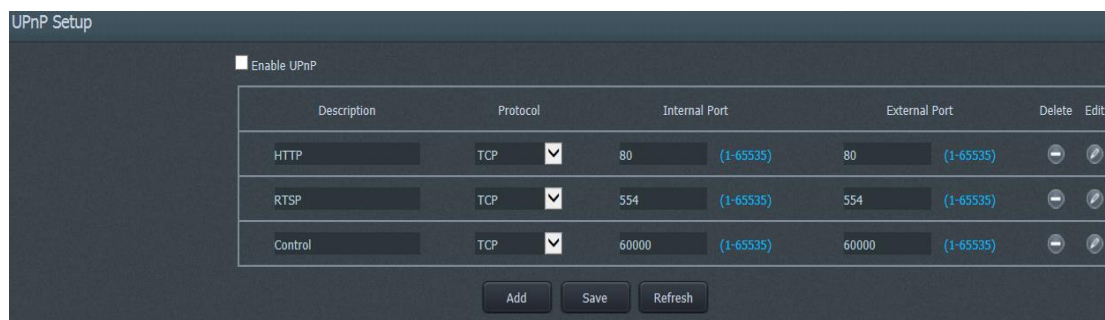
Click **【QoS】** to enter into QoS configuration interface.



The QoS configuration interface shows two input fields: 'Video And Audio' and 'Control Command', both set to the value '46'. To the right of each field is a range indicator '(0 - 63)'. At the bottom right, there are two buttons: 'Save' and 'Refresh'.

5.2.6 UPnP

Click **【UPnP】** to enter into UPNP configuration interface.



The UPnP Setup interface features a checkbox labeled 'Enable UPnP'. Below it is a table with columns: Description, Protocol, Internal Port, External Port, Delete, and Edit. The table contains three rows: HTTP (TCP, 80), RTSP (TCP, 554), and Control (TCP, 60000). Each port field has a range indicator '(1-65535)'. At the bottom, there are three buttons: 'Add', 'Save', and 'Refresh'.

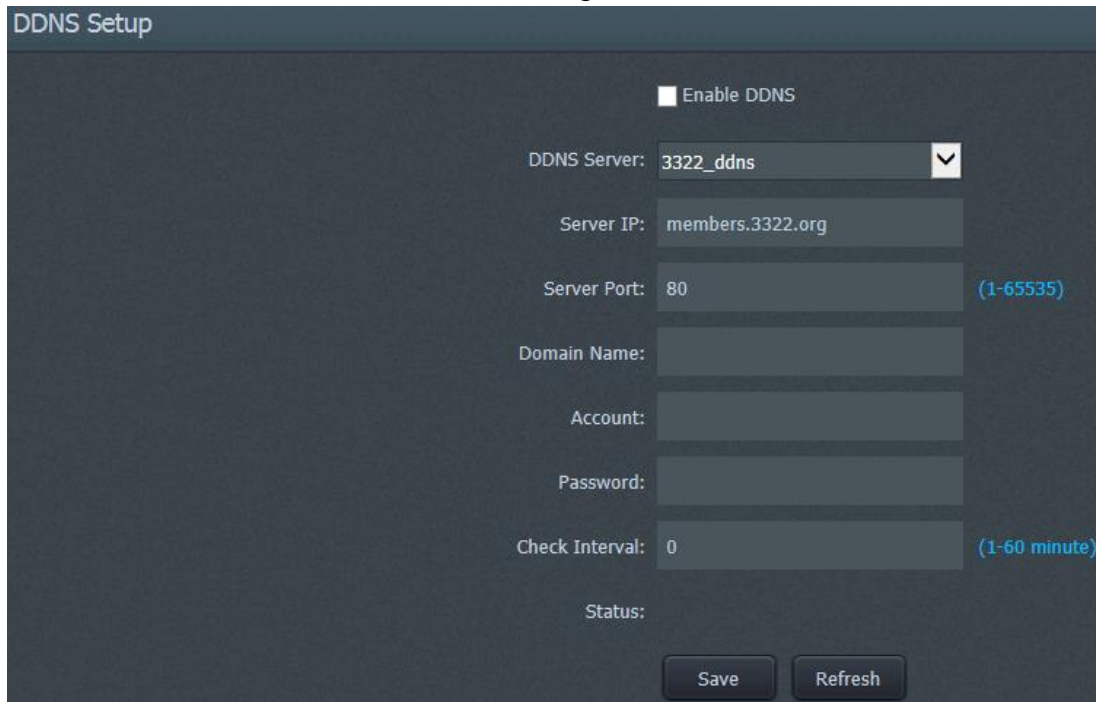
Description	Protocol	Internal Port	External Port	Delete	Edit
HTTP	TCP	80	80		
RTSP	TCP	554	554		
Control	TCP	60000	60000		

Select **【Enable UPnP】** to start UPNP function, click  to modify UPnP port value.

Click **【Add】** to add other ports to UPNP, click **【Save】** to save settings.

5.2.7 DDNS

Click **【DDNS】** to enter into DDNS configuration interface.



User use DDNS function to release location device's DDNS to internet by network to realize remote controlling.

Select **【Enable DDNS】** to start DDNS function. If user used 3322 server and dyndns server, please select corresponding server type at toolbox.

Enter right server address and port number at **【Server IP】** and **【Server port】**

Enter dynamic domain name that you apply from DDNS server at **【Domain Name】** .

Notice: domain name that fill in this item must be dynamic domain name. Static domain name in this place is in vain.

Enter account and password that you apply from dynamic domain name website at **【Account】** and **【Password】** .

Enter number whose section is 0-60 at **【Check Interval】** to ensure communication between device and dynamic domain name website during "check interval" time.

Modify Http port that is not 80 at **【Device Port】** and start UPNP at **【UPnP】** .

Open router address at webpage, map Http port that have been set and is not 80 to WAN.



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Click **【 Save 】** to complete DDNS configuration. Click **【 Save 】** to complete DDNS configuration. Check “status” that below toolbox to know if DDNS set success.

Notice: Right using of DDNS function need WAN support, so default gateway must fill LAN router address and ensure network segment surf internet normally.

IP Address

☐ Obtain An IP Address Automatically (From DHCP)

☐ Static IP

IP Address: 192.168.2.199 your IPC's IP address

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.2.1 LAN router address and make sure it could surf the internet

Preferred DNS Server: 202.96.134.133

Alternate DNS Server: 8.8.8.8

Save Refresh

5.2.8 SMTP

Click **【SMTP】** to enter into SMTP setting interface.

SMTP Setup

☐ Enable SMTP

SMTP Server Address:

SMTP Server Port: 25

Sender E-mail Address:

User:

Password:

Recipient E-mail Address: Use *;,* To Separate Each Addresses

Transport Mode: Not Encrypted

☒ Uploading Snapshot

Save Refresh Email Test

Select **【Enable SMTP】** to start SMTP function.



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SMTP transfer information and picture to user promptly by email after device get alarming information which realize promptly and directly browse and conveniently store.

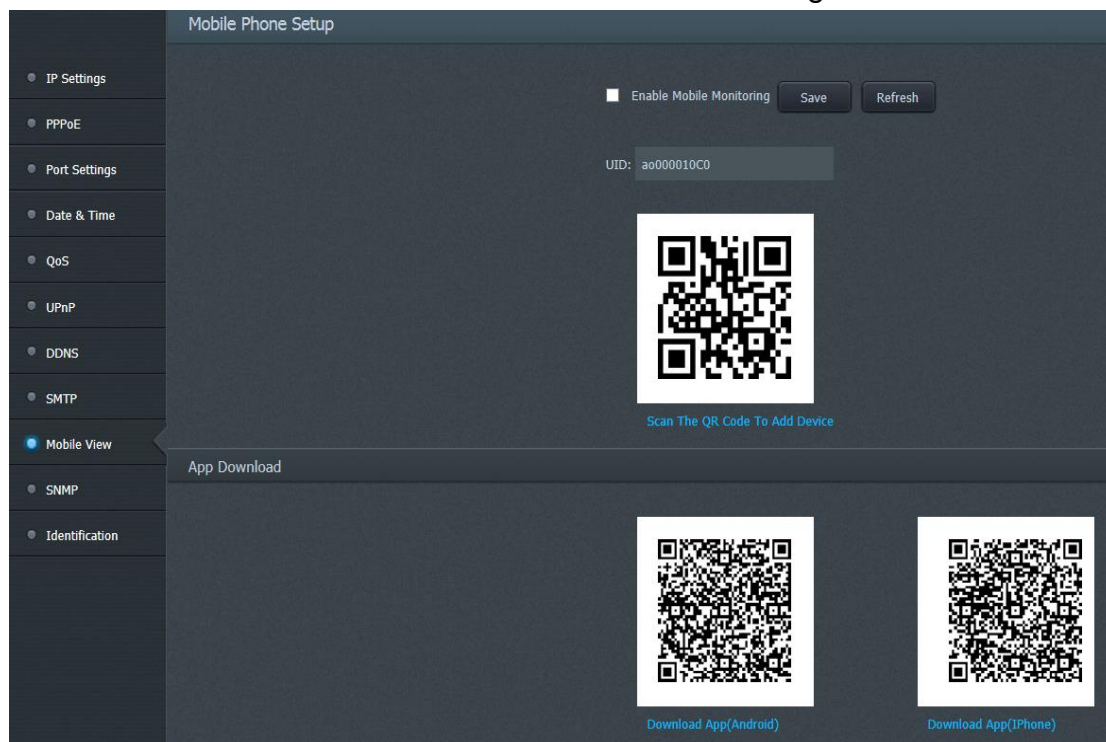
Using SMTP sever to enter user at **【SMTP Address】** and fill corresponding sever SMTP port. Set up SMTP sender email box, receiver email box, sender user name and password. Fill the info. in right position and click “save” to complete settings.

User click **【E-mail Test】** to test SMTP function you set if it's effective after complete setting.

Notice: SMTP need WAN support. Detail notes the same as the DDNS settings.

5.2.9 Mobile View

Click **【Mobile View】** to enter into mobile view controlling interface.

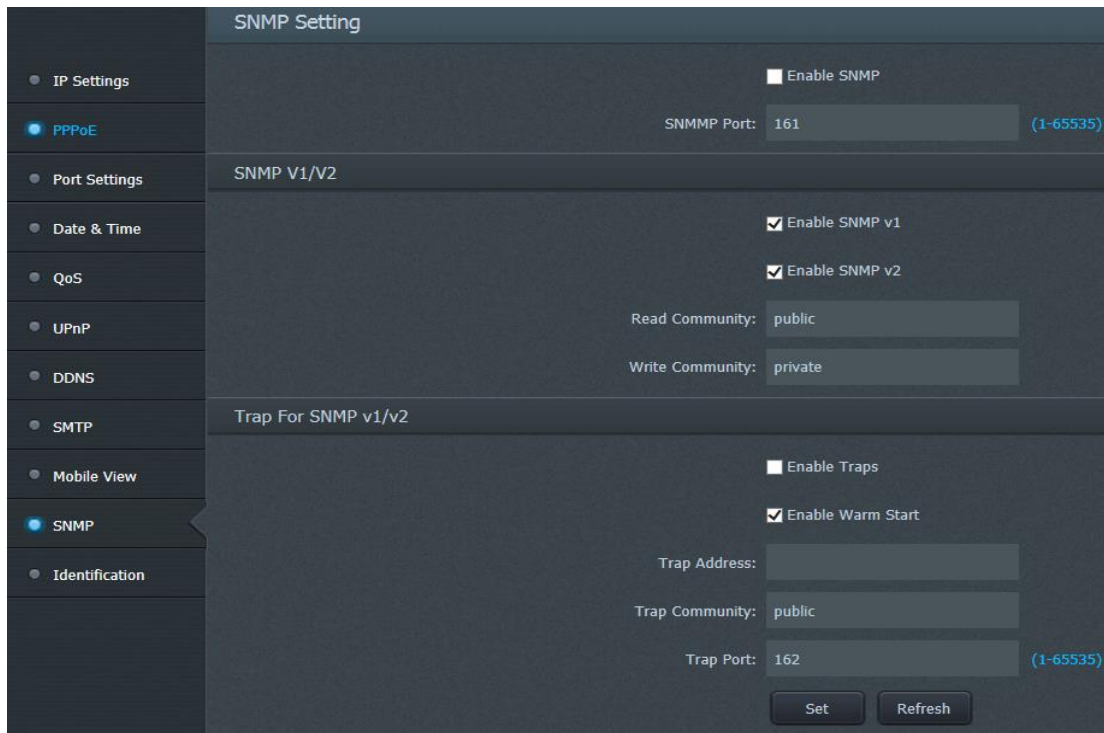


Select **【Enable Mobile Monitoring】**, click save to save settings. You can use internet to download mobile view client by scanning corresponding your mobile operation system QR CODE.

User could use UID code **UID: ao0017** to log in by mobile client.

5.2.10 SNMP

Click **【SNMP】** to enter into SNMP configuration interface.

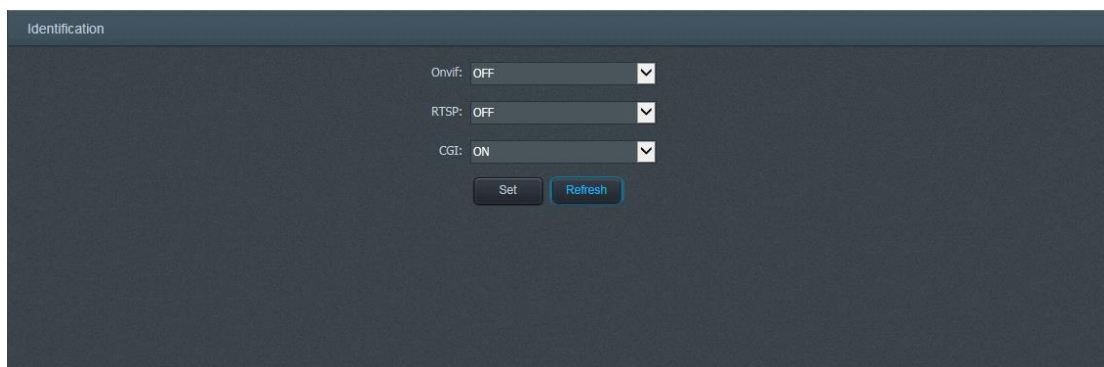


The image shows the 'SNMP Setting' configuration interface. On the left is a sidebar menu with options: IP Settings, PPPoE (selected), Port Settings, Date & Time, QoS, UPnP, DDNS, SMTP, Mobile View, SNMP, and Identification. The main panel is titled 'SNMP Setting' and contains three sections: 1. 'SNMP Setting' with a checkbox for 'Enable SNMP' (unchecked) and a text field for 'SNMMP Port' set to '161' with a blue link '(1-65535)' next to it. 2. 'SNMP V1/V2' with checkboxes for 'Enable SNMP v1' and 'Enable SNMP v2' (both checked), a text field for 'Read Community' set to 'public', and a text field for 'Write Community' set to 'private'. 3. 'Trap For SNMP v1/v2' with checkboxes for 'Enable Traps' (unchecked) and 'Enable Warm Start' (checked), a text field for 'Trap Address', a text field for 'Trap Community' set to 'public', and a text field for 'Trap Port' set to '162' with a blue link '(1-65535)' next to it. At the bottom right are 'Set' and 'Refresh' buttons.

SNMP is webmaster tool based on TCP protocol. Select **【Enable SNMP】** to start webmaster system. Set up corresponding port in webmaster, user enable to monitor the working status of IP camera by webmaster tool.

5.2.11 IDENTIFICATION

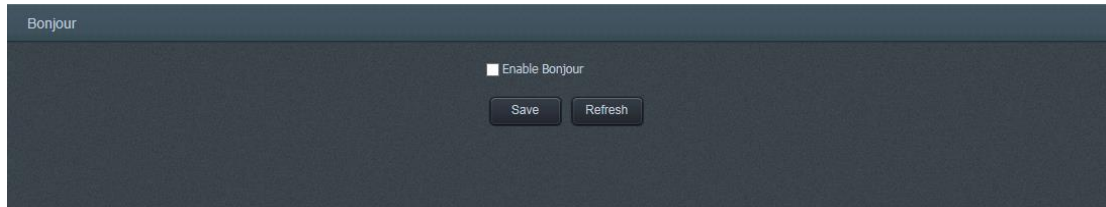
This function supports the user to switch protocol between Onvif、RTSP、CGI. If you choose onvif as on, the other device needs to enter username and password to access this device.



The image shows the 'Identification' configuration interface. It has a title bar 'Identification'. Below it are three dropdown menus: 'Onvif: OFF', 'RTSP: OFF', and 'CGI: ON'. At the bottom are 'Set' and 'Refresh' buttons.

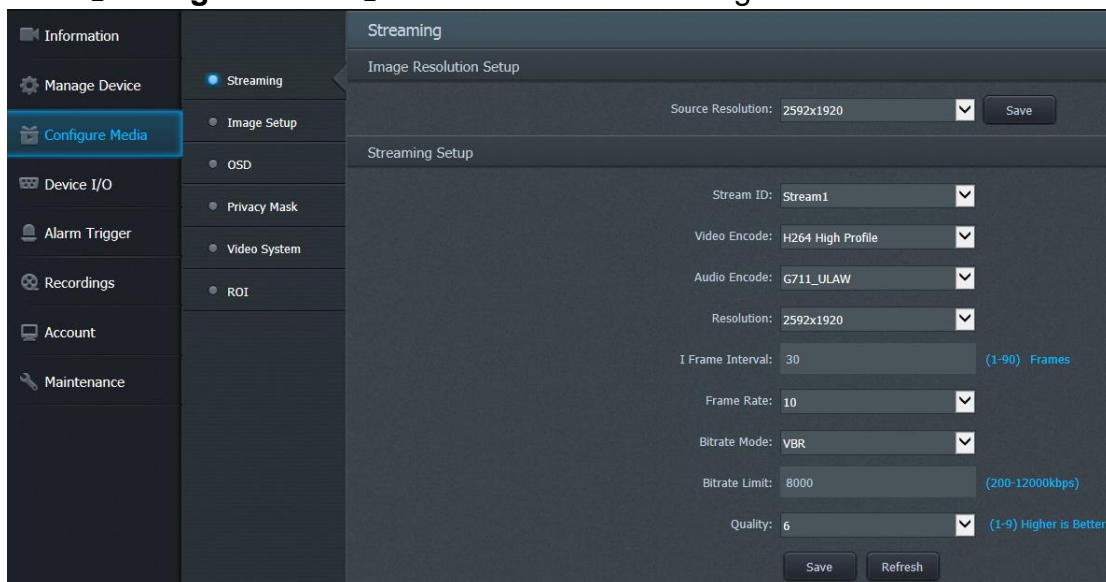
5.2.12 Bonjour (Mac iOS)

After enable Bonjour, the software that support this protocol (such as Apple Safari), can search and access this device.



5.3 Configure Media

Click **【Configure Media】** to enter into media configuration interface.



5.3.1 Streaming Configuration

Click **【Streaming】** to enter into streaming configuration interface.

User select resolution by **【Resource Solution】** pull-down menu to select resolution you need and click **【Save】** to save.

User can promptly adjust streaming 1 and streaming 2 basic parameter at **【Streaming Setup】** pull-down menu to realize promptly control device streaming.

Video coding: Video streaming supported by device: H264.Baseline, H264.Main Profile, MJPEG.

Audio coding: G711-ULAW, G711-ALAW.

Audio coding: Supported audio coding: G711-ULAW, G711-ALAW.

Resolution: Control image resolution of device current streaming.

1 frame interval: Control intervals between two key frame when device record.

Frame Rate: I frame frequency.

Bit rate model: Support VBR, CBR and LBR.

Streaming: Limit real-time streaming max value.

Quality: Image quality produced by device. The better image quality, the larger bit rate.



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5.3.2 Image Setup

Click **【Image Setup】** to enter into image configuration page.



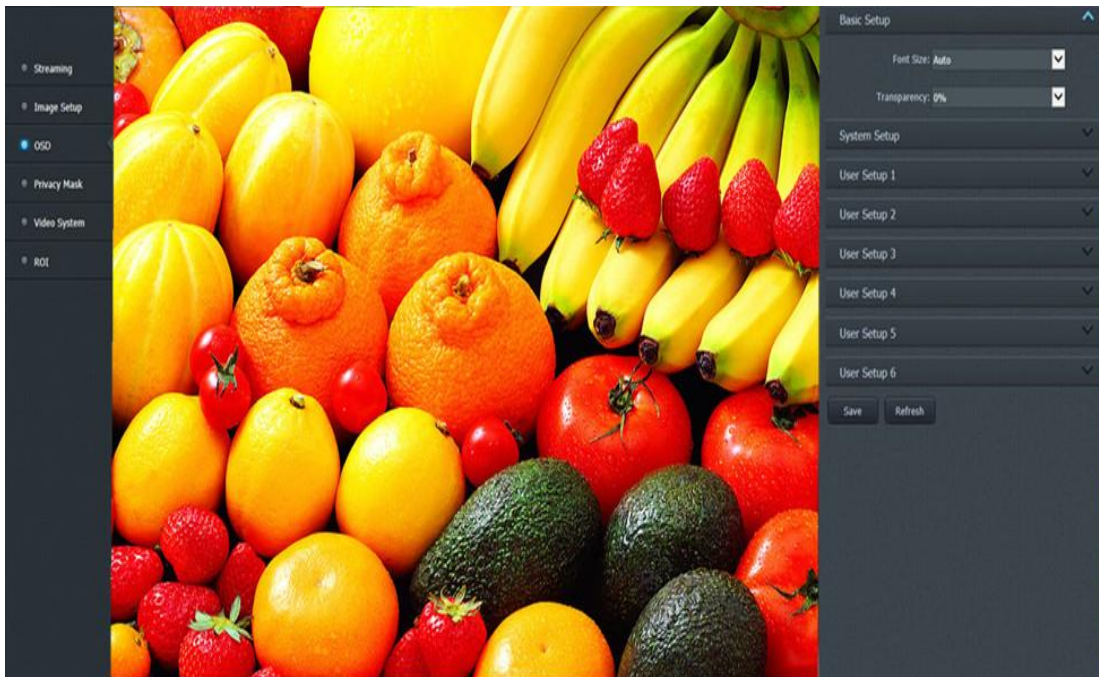
User set up image's brightness, saturation, sharpness, contrast, NR intensity and so on basic specification at **【Basic Setup】**. Synchronously, you also adjust up and down, left and right of image direction.

It is enabled to set up shutter model, max. shutter, Gain model, Max. Gain, white balance, WDR, power line, IRIS, D&N model and so on image specification.

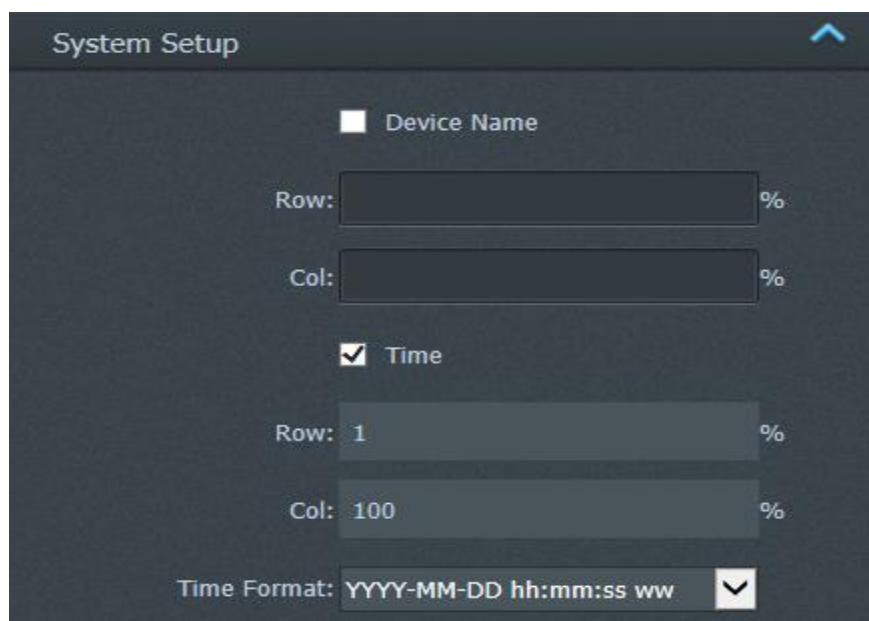
Notice: If user want to return to device initial value, please click **【Reset】 and return all number value of basic setup and advanced setup to default value.**

5.3.3 OSD Settings

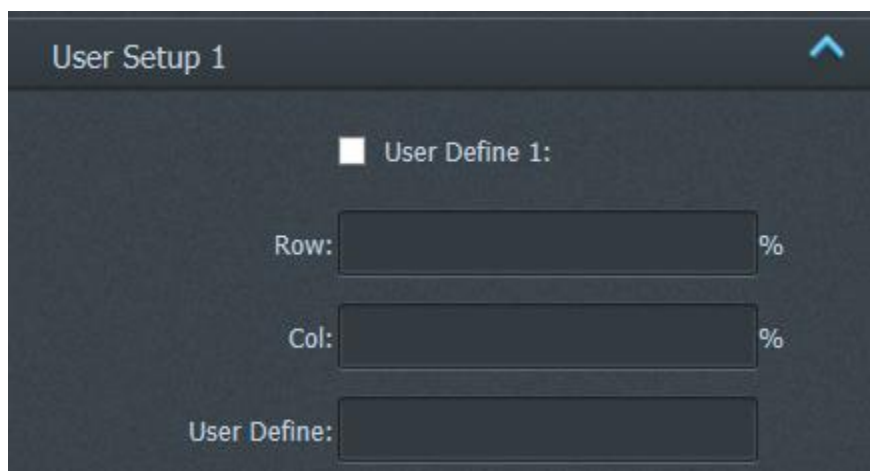
Click **【OSD】** to enter into OSD configuration interface.



OSD function enable user to add, modify and delete image's all text including device time. User can adjust image's front size and front transparency at **【Basic Setup】** pull-down menu. User can add device name, adjust time display sequence and control at **【System Setup】** item.



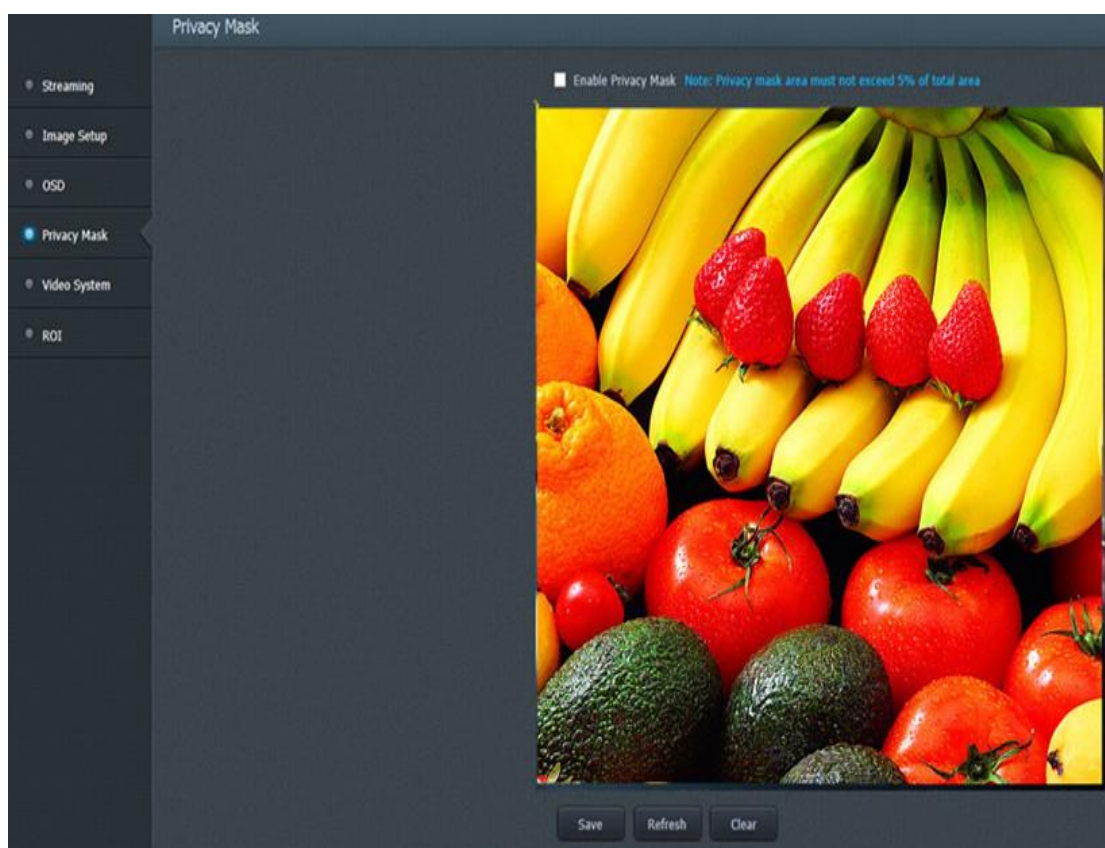
User can user define and add text in any region at **【User Defined】** .

A screenshot of a software window titled "User Setup 1". It features a dark grey background. At the top right is a blue upward-pointing arrow. Below the title, there is a checkbox labeled "User Define 1:". Underneath this, there are three input fields. The first is labeled "Row:" and has a percentage symbol (%) to its right. The second is labeled "Col:" and also has a percentage symbol (%) to its right. The third is labeled "User Define:" and is a larger text input field.

Click **【Save】** to complete OSD configuration.

5.3.4 Privacy Mask

Click **【Privacy Mask】** to enter into privacy mask configuration interface.



Privacy mask function can use black object to mask the part of image that keep privacy

- 26 -

and is not seen by other people.

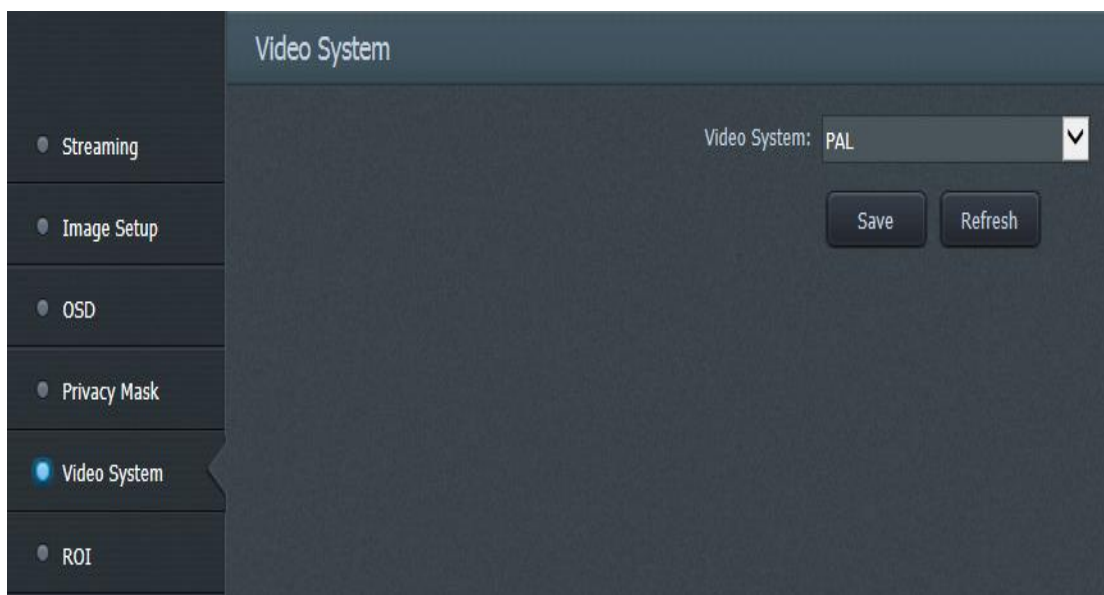
Select **【Enable Privacy Mask】** , drag left mouse button to region out shield part in image, click **【Save】** to complete configuration after selecting.

Notice: Privacy mask function support 5 parts at most (including overlap). Privacy mask only support 5% of total image area. So when set up region, you should note each region can't exceed total image area 5%.

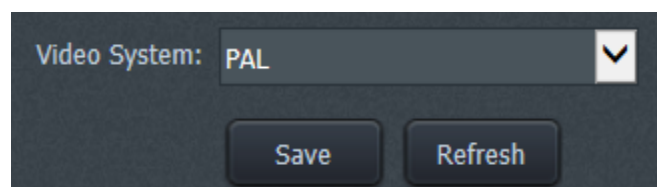
If user region wrongly when setup region, cancel region part by clicking left mouse button or delete other image mask position totally by **【Delete】 button.**

5.3.5 Video System

Click **【Video System】** to enter into video system configuration interface.

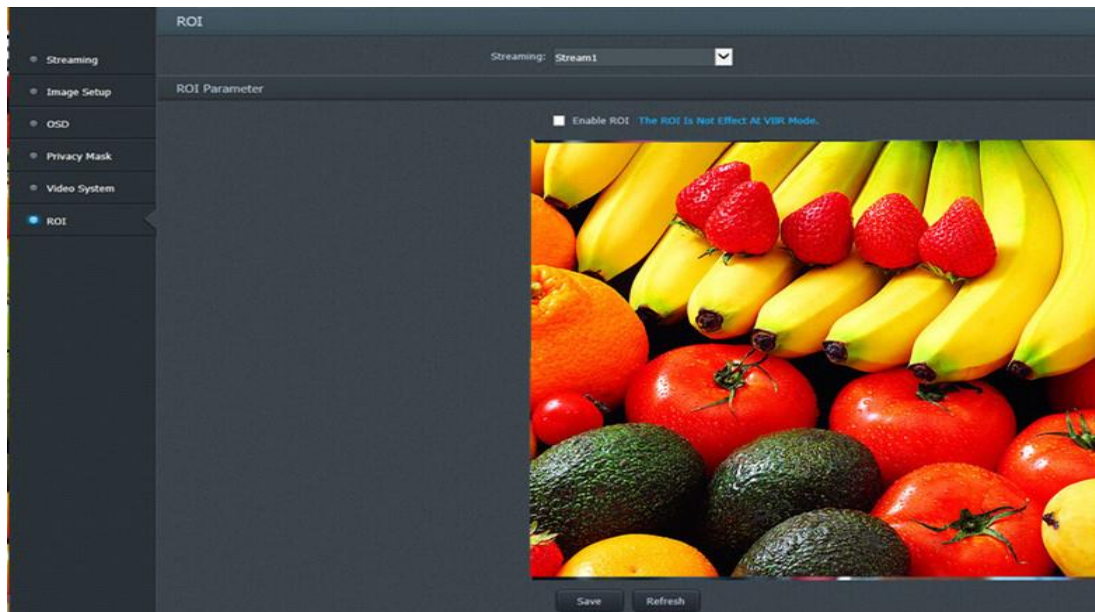


User set up output video system PAL or NTSC by selecting item from the following pull-down menu.



5.3.6 ROI

Click **ROI** to enter into ROI configuration interface.



ROI Region of interesting setup interface let customer complete clearness preview for part image under the situation of low bit rate that set up.

Select **Enable ROI** to start ROI function and set up corresponding streaming info. Drag left mouse button to region, click save to complete configuration.

Notice: If user region wrongly when set up region, user can cancel one region by clicking right mouse button.

At that time to start ROI function must ensure bit rate is not VBR model.

5.3.7 Multicast

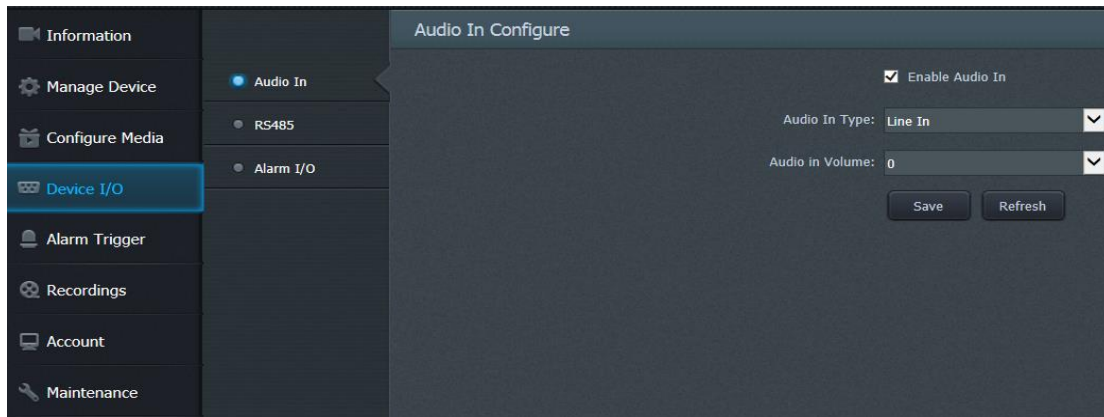
It is used for integrating **into** CMS or any other software.



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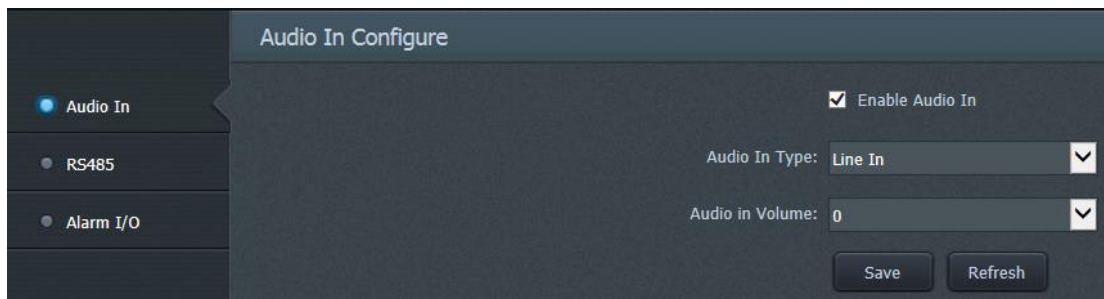
5.4 Device I/O

Click **【Device I/O】** to enter device I/O interface.



5.4.1 Audio Input

Click **【Audio Input】** to enter into audio configuration interface.



Select **【Enable Audio In】** to start audio in function.

User can adjust audio in by **【Audio In Volume】** pull-down menu.

Notice: Device recording default audio is “enable”. So user only connect destiny voice collector to device to realize real-time audio and video.

Adjust Audio in volume to “0” is a little audio volume not make device recording in no sound status.

5.4.2 RS485

Click **【RS485】** to enter into RS485 configuration interface.



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User set up external PTZ in this interface.

5.4.3 Alarming I/O

Click **【Alarm I/O】** to enter into configuration interface.

User put into the name of alarm in at **【Alarm Name】** bar of **【Alarm In】** .

“0”(Normally close and open). After enter into “high” or “low” and trigger alarm at **【Valid signal】**

Configure delay alarming output time at **【Alarm Delay】** after device alarming
Configure length of alarm output at **【Alarm Period】** , the unit is MS.

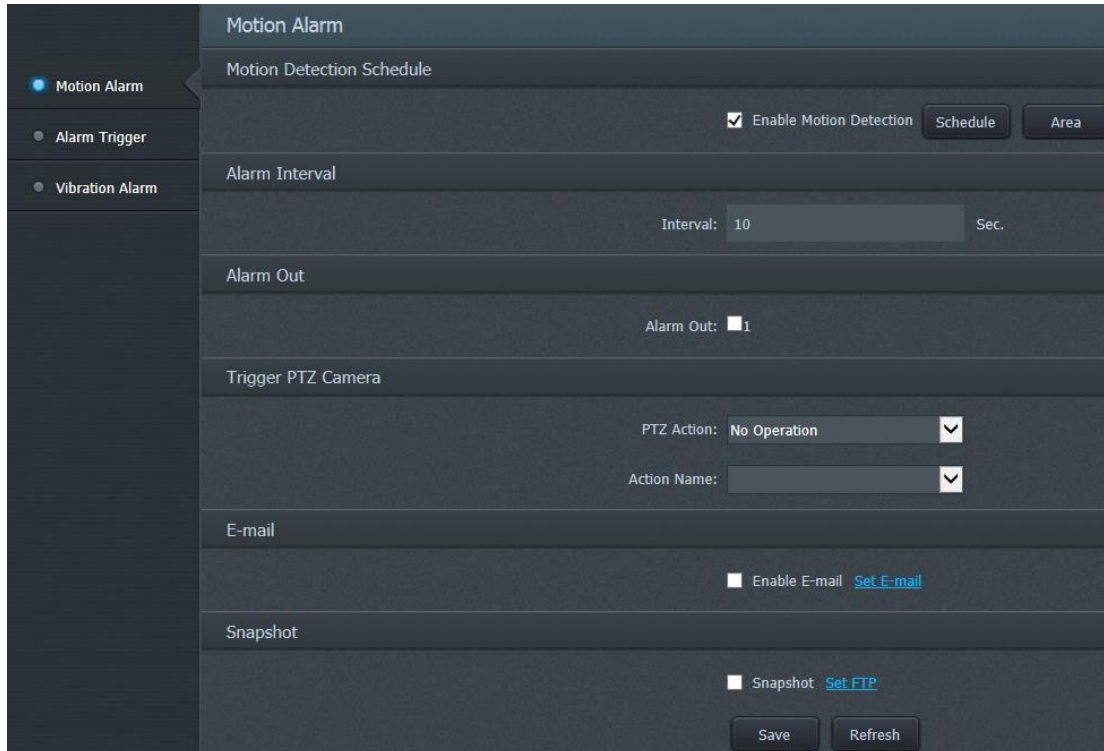
5.5 Alarm Trigger

Click **【Alarm Trigger】** to enter into alarm trigger configuration interface.

The screenshot shows a web application interface for configuring a Motion Alarm. On the left is a dark sidebar with a menu containing: Information, Manage Device, Configure Media, Device I/O, Alarm Trigger (highlighted in blue), Recordings, Account, and Maintenance. The main content area is titled 'Motion Alarm' and contains several sections: 'Motion Detection Schedule' with a checked 'Enable Motion Detection' box and 'Schedule'/'Area' buttons; 'Alarm Interval' with an 'Interval' input set to '10' and a 'Sec.' label; 'Alarm Out' with an 'Alarm Out' input set to '1'; 'Trigger PTZ Camera' with 'PTZ Action' and 'Action Name' dropdown menus (both currently showing 'No Operation'); 'E-mail' with an unchecked 'Enable E-mail' checkbox and a 'Set E-mail' link; and 'Snapshot' with an unchecked 'Snapshot' checkbox and a 'Set FTP' link. At the bottom right of the main area are 'Save' and 'Refresh' buttons.

5.5.1 Motion Alarm

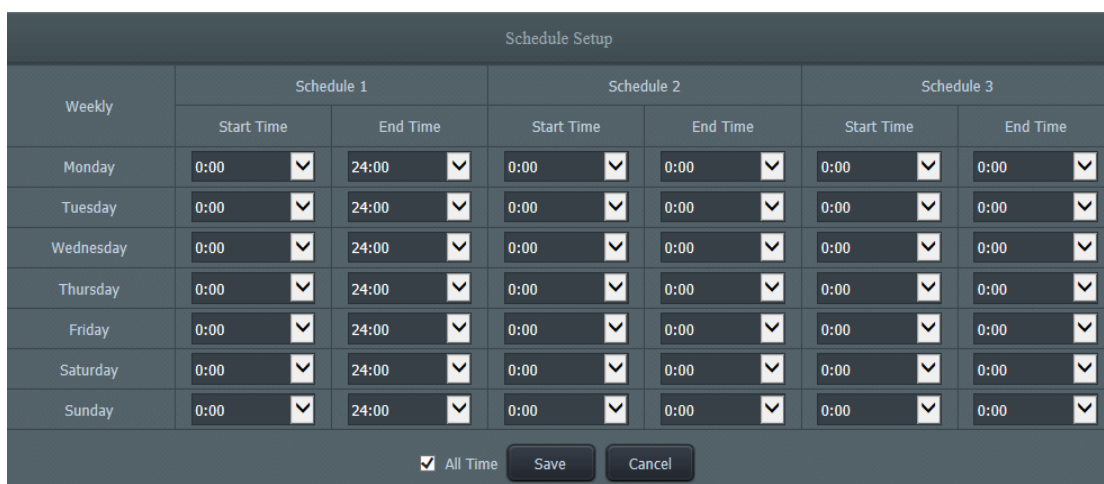
Click **【Motion Alarm】** to enter into motion alarm configuration interface.



The image shows the 'Motion Alarm' configuration interface. On the left is a sidebar with three options: 'Motion Alarm' (selected), 'Alarm Trigger', and 'Vibration Alarm'. The main area is titled 'Motion Alarm' and contains several sections: 'Motion Detection Schedule' with a checked 'Enable Motion Detection' box and 'Schedule'/'Area' buttons; 'Alarm Interval' with an 'Interval' of 10 seconds; 'Alarm Out' with a checked 'Alarm Out' box; 'Trigger PTZ Camera' with 'PTZ Action' set to 'No Operation' and an 'Action Name' dropdown; 'E-mail' with an unchecked 'Enable E-mail' box and a 'Set E-mail' link; and 'Snapshot' with an unchecked 'Snapshot' box and a 'Set FTP' link. At the bottom are 'Save' and 'Refresh' buttons.

Select **【Enable Motion Detection Schedule】** to start motion detection, and then click **【Schedule】** and **【Area】** to configure.

Click **【Schedule】** to pop out time configuration interface.

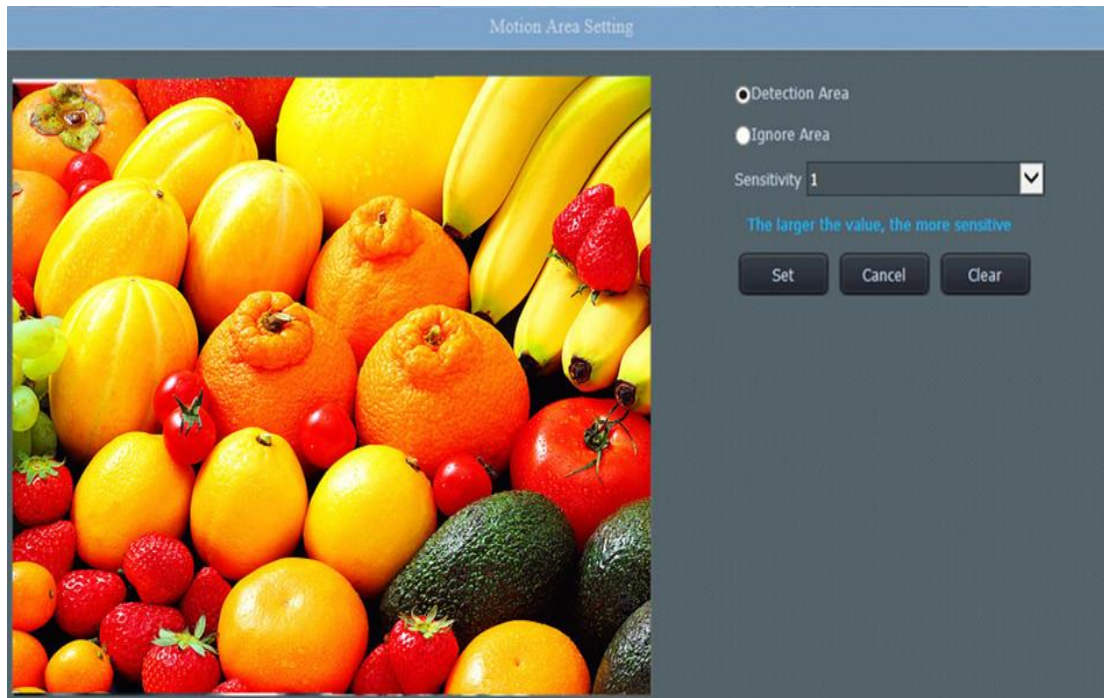


The image shows the 'Schedule Setup' interface. It features a table with columns for 'Weekly' (days of the week) and three schedules (Schedule 1, Schedule 2, Schedule 3). Each schedule has 'Start Time' and 'End Time' columns. The table is populated with '0:00' for all start times and '24:00' for all end times. At the bottom, there is a checked 'All Time' checkbox and 'Save' and 'Cancel' buttons.

Weekly	Schedule 1		Schedule 2		Schedule 3	
	Start Time	End Time	Start Time	End Time	Start Time	End Time
Monday	0:00	24:00	0:00	0:00	0:00	0:00
Tuesday	0:00	24:00	0:00	0:00	0:00	0:00
Wednesday	0:00	24:00	0:00	0:00	0:00	0:00
Thursday	0:00	24:00	0:00	0:00	0:00	0:00
Friday	0:00	24:00	0:00	0:00	0:00	0:00
Saturday	0:00	24:00	0:00	0:00	0:00	0:00
Sunday	0:00	24:00	0:00	0:00	0:00	0:00

Select **【All Time】** to set up motion detection as all-time detection. And also select time at schedule to complete time setup. At last click **【Save】** to finish time setup.

Click **【Area】** to pop out area configuration interface.



User can use **【Detection Area】** and **【Ignore Area】** which is invert selection way to select region area.

Drag left mouse button to region at preview interface, setup sensitivity at **【Sensitivity】** item. Provide 10 grades sensitivity, the larger sensitivity the more value. Click **【Save】** to complete configuration.

Notice: You only select 5 regions at most in configuration area including overlap. If user region wrongly, cancel prior region at preview interface by clicking left mouse button or click **【Delete】 to delete motion detection region.**

User setup min interval of two times alarming at **【Interval】** item of **【Alarm Interval】**.

User can select **【Alarm Out】** to start a series action with alarm.

User call other PTZ device preset function when alarm trigger at **【PTZ】** item.

User select **【Enable E-mail】** at **【E-mail】** item to start motion detection trigger E-mail prompting function. User will receive E-mail prompting after motion detection trigger.

Click **【Set E-mail】** to skip to SMTP configuration interface. The configuration way vide supra.

Select **【Snapshot】** to start snapshot FTP at **【Snapshot】** item.

5.5.2 I/O Alarm

Click **【Alarm I/O Trigger】** to enter into I/O alarm configuration interface.

The screenshot shows the 'Alarm I/O Trigger Setup' configuration page. On the left is a sidebar with three options: 'Motion Alarm', 'Alarm Trigger' (which is selected and highlighted with a blue dot), and 'Vibration Alarm'. The main content area is divided into several sections: 'Alarm In' with an 'Enable Alarm In' checkbox and a 'Schedule' button; 'Alarm Out' with an 'Alarm Out' checkbox and a value of '1'; 'Trigger PTZ camera' with 'PTZ Action' set to 'No Operation' and an 'Action Name' dropdown; 'E-mail' with an 'Enable E-mail' checkbox and a 'Set E-mail' link; and 'Snapshot' with a 'Snapshot' checkbox and a 'Set FTP' link. At the bottom right are 'Save' and 'Refresh' buttons.

User select **【Enable Alarm I/O】** to start I/O alarm at **【Alarm I/O Parameter】** .

Click **【Schedule】** to set up I/O alarm time region. Select **【All time】** to set up motion detection as all time detection. And also select time at schedule to complete time setup. At last click **【Save】** to finish time setup.

User can select **【Alarm Out】** to start a series action with alarm.

User call other PTZ device preset function when alarm trigger at **【PTZ】** item.

User select **【Enable E-mail】** at **【E-mail】** item to start motion detection trigger E-mail prompting function. User will receive E-mail prompting after motion detection trigger.

Click **【Set E-mail】** to skip to SMTP configuration interface. The configuration way vide supra.

Select **【Snapshot】** to start snapshot FTP at **【Snapshot】** item.

5.5.3 Vibration Alarm

Click **【Vibration Alarm】** to enter into shake detection alarm configuration interface.

Shake Detection

Shake Detection Parameters

☐ Enable Shake Detection [Schedule](#)

Sensitivity

Sensitivity: Middle

Alarm Out

Alarm Out: ☒ 1

Trigger PTZ camera

PTZ Action: No Operation

Action Name:

E-mail

☐ Enable E-mail [Set E-mail](#)

Snapshot

☐ Snapshot [Set FTP](#)

Save Refresh

Select **【Enable Shake Detection】** at **【Shake Detection Parameter】** to start shake detection alarm function.

Click **【Schedule】** to enter into shake detection time configuration interface.

* Only in models with this function.



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Schedule Setup						
Weekly	Schedule 1		Schedule 2		Schedule 3	
	Start Time	End Time	Start Time	End Time	Start Time	End Time
Monday	0:00	24:00	0:00	0:00	0:00	0:00
Tuesday	0:00	24:00	0:00	0:00	0:00	0:00
Wednesday	0:00	24:00	0:00	0:00	0:00	0:00
Thursday	0:00	24:00	0:00	0:00	0:00	0:00
Friday	0:00	24:00	0:00	0:00	0:00	0:00
Saturday	0:00	24:00	0:00	0:00	0:00	0:00
Sunday	0:00	24:00	0:00	0:00	0:00	0:00

☒ All Time

Select **【All time】** to set up motion detection as all-time detection. And also select time at schedule to complete time setup. At last click **【Save】** to finish time setup.

User set up shaking detection sensitivity at **【Sensitivity】** item. There are 5 grades sensitivity as choices to users.

Sensitivity
<div> <div>Sensitivity:</div> <div> Higher High Middle Low Lower </div> </div>

User select **【Enable E-mail】** at **【E-mail】** item to start motion detection trigger E-mail prompting function. User will receive E-mail prompting after motion detection trigger.

User select **【Snapshot】** to start FTP alarm snapshot at **【Snapshot】** item.

5.6 Recording

Click **【Recording】** to enter into recording configuration interface.



The screenshot displays the 'Recording Policy' configuration page. The left sidebar contains the following menu items: Information, Manage Device, Configure Media, Device I/O, Alarm Trigger, Recordings (highlighted), Account, and Maintenance. The main content area is titled 'Recording Policy' and contains three sub-sections:

- Recording:** Includes a checkbox for 'Enable Recording'. Below it are three radio buttons: 'Continuous Recording', 'Start Recording When Network Failed', and 'Schedule Recording'. A 'Schedule' button is located to the right of the 'Schedule Recording' option.
- Trigger Recording:** Includes a checkbox for 'Enable Trigger Recording'. Below it are two input fields: 'Pre Recording: 10' and 'Post Recording: 10', both with a '1-10 Sec.' label. There is also a 'Triggered Alarm ID: 1' field and a 'Motion Detection' checkbox.
- Recording Parameters:** Includes a checkbox for 'Enable Audio Recording'. Below it are three fields: 'Streaming ID: Stream1' (a dropdown menu), 'Save Mode: Keep Days' (a dropdown menu), and 'Keep Days: 15'. At the bottom of this section are 'Save' and 'Refresh' buttons.

5.6.1 Recording Policy

Click **【Record Policy】** to enter into record policy configuration interface.



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Select **【Enable Recording】** to start recording at **【Recording】** item.

Recording can provide stable, exhaustive, convenient timing, special condition and all day service. Move cursor to **【7*24 Continuous Recording】** to start device recording all the day. Move cursor to **【Start Recording When Network Failed】** to start. When network is failed, device will start to record and store recording file to SD/Micro card.(This function only service for devices with SD/MicroSD card).

Move cursor to **【Schedule Recording】** to start, set up recording time **【Schedule Setup】** and the device will start to recording automatically at the setup time.

Select **【Enable Trigger Recording】** at trigger recording to start trigger recording.

Set up trigger recording time by adjusting Pre Recording and Post Recording. Device will start automatically to trigger recording to accomplish video capture within the required time after triggered alarm.

Select **【Enable Audio Recording】** at **【Recording Parameter】** to start recording additional audio. Click **【Save】** to save settings.

User can modify recording streaming by **【Streaming ID】**.

The modify recording file can keep for 15 days or auto rewrite storage when full at **【Save mode】**.

5.6.2 Recording Path

Click **【Recording Path】** to enter into schedule recording configuration interface.

User can setup store way and store path and so on of schedule recording at this page.

Select **【Disk Name】** pull-down menu, set up device recording capacity at SD card and click **【Modify】** to enter into SD card configuration interface.

Modify Direction

☒ Enable Dir

Name : SD1

Free Space : 640

File System : ext3

Format Set Close

Select **【Enable Dir】** to start SD card recording function.

Click **【Format】** to go on formatting SD card. Click **【Save】** to save settings.

Select **【Name】** pull-down menu to setup device disk type as FTP. Click **【Modify】** to enter into FTP recording storage configuration interface.

Modify Direction

☐ Enable Dir

IP:

Port: 21

User:

Password:

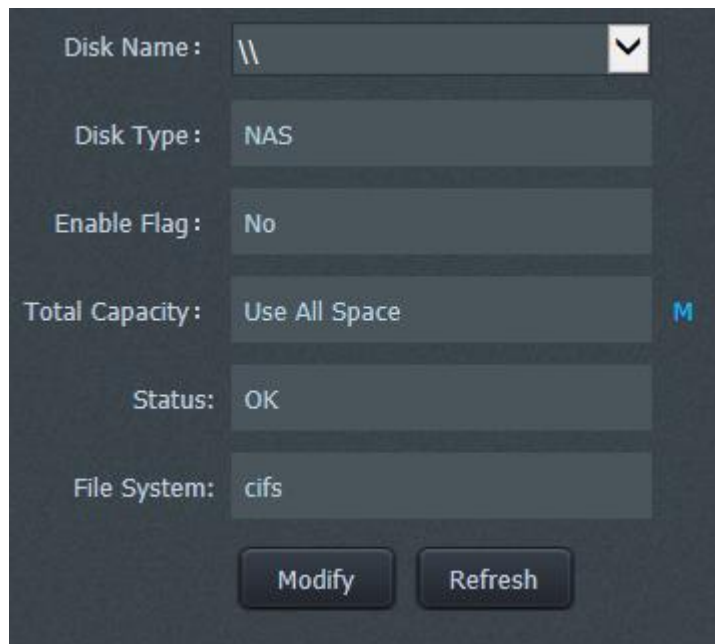
Confirm Password:

Usable Space(MB): 1024

Set Close

Select **【Enable Dir】** to start FTP recording store. Fill in IP address, user, password, confirm password, port and usable space of FTP in configuration interface. Click **【Save】** to save settings.

Select **【Disk Name】** pull-down menu, set up recording disk type as NAS storage. Click **【Modify】** to enter into NAS (Network Attached Storage) recording configuration interface.



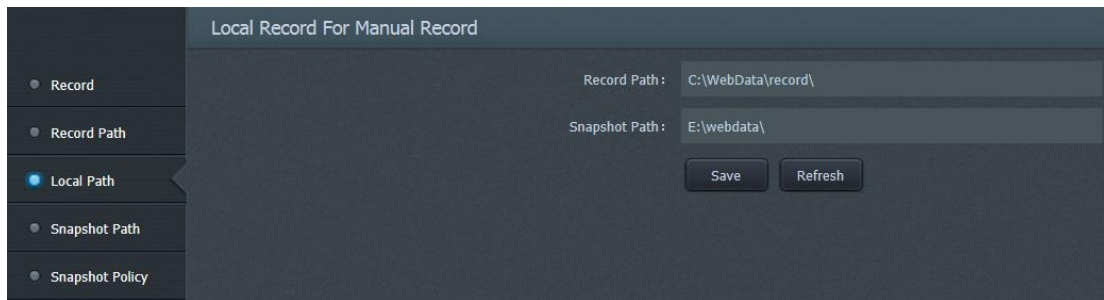
Disk Name :	\\	▼
Disk Type :	NAS	
Enable Flag :	No	
Total Capacity :	Use All Space	M
Status:	OK	
File System:	cifs	
<div>Modify Refresh</div>		

Select **【Enable Recording】** to start Nas recording storage. Fill in NAS address, path, user, password, and usable space. Click **【Set】** to save configuration.

Notice: Fill in “0” in usable space in recording. Default all disk involve in recording storage.

5.6.3 Local Recording

Click **【Local Recording】** to enter into local recording path configuration interface.

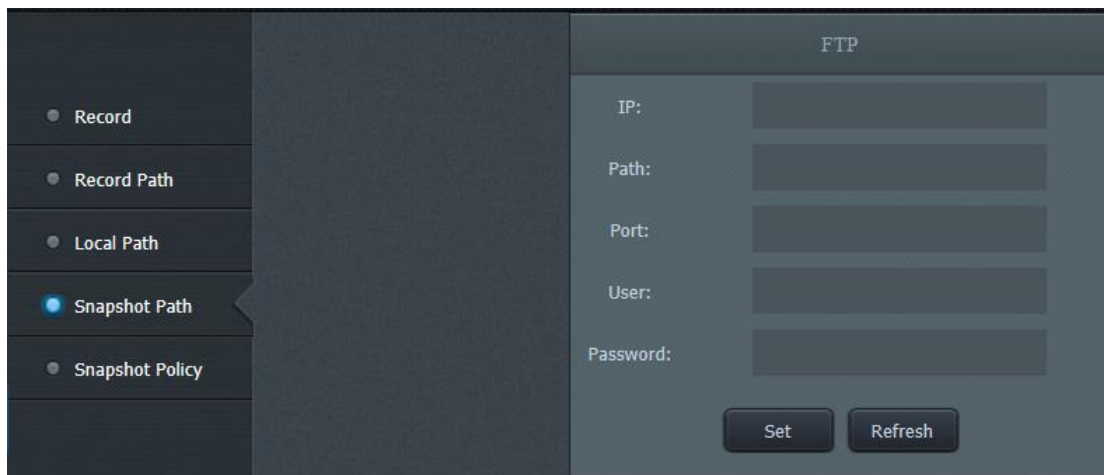


User can set up local recording path and snapshot storage path by disk path. Click **【Save】** to save settings.

Notice: if setting drive does not exist, snapshot will fail. If specified folder does not exist, will storage by setting name new folder. When Enter storage path, must ensure path is end as “\”, otherwise new folder at the same level as setting folder result in storage deviation.

5.6.4 Snap Path

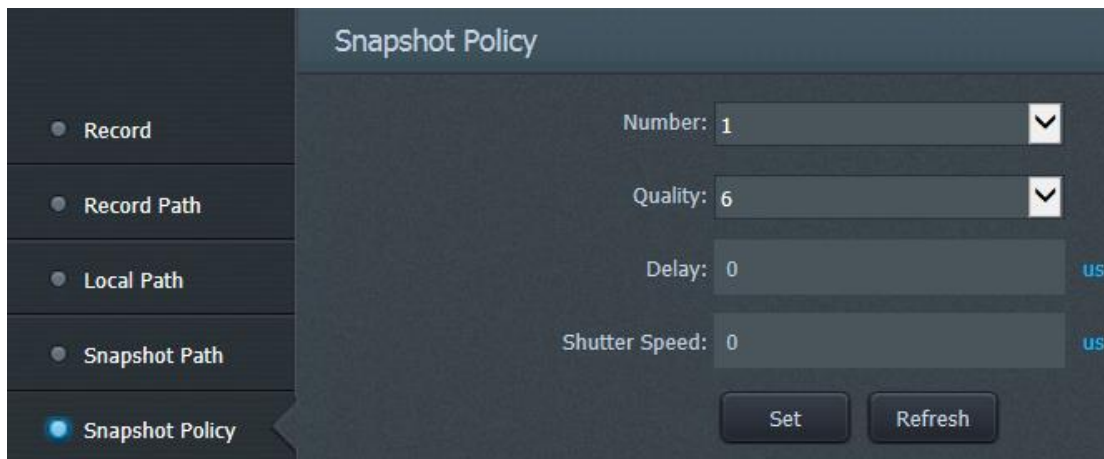
Click **【Snap Path】** to enter into alarm snapshot FTP path configuration interface.



Configuration way is the as FTP configuration way of “Record”.

5.6.5 Snapshot Policy

Click **【Snapshot Policy】** to enter into linked snapshot configuration interface.



Select **【Number】** pull-down menu, adjust snapshot quantity as trigger snapshot each time and user can snapshot 1-6pcs image for each time snapshot.

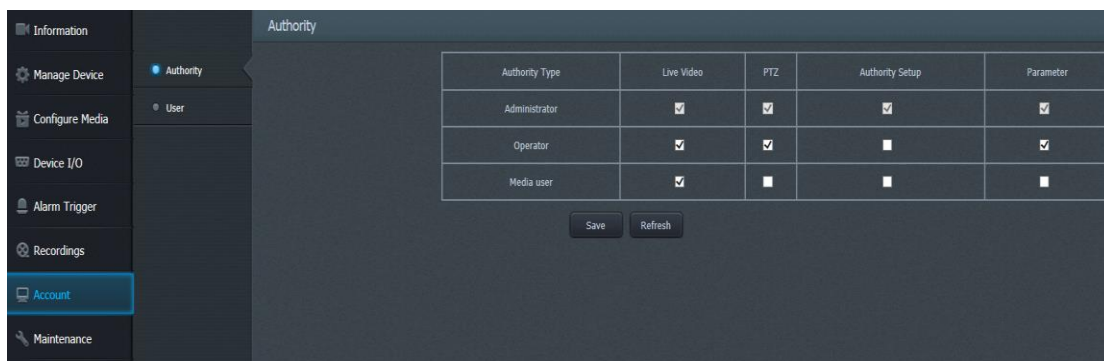
Select **【Quality】** pull-down menu, adjust image quality of snapshot.

Select **【Delay】** pull-down menu, adjust time interval from trigger snapshot to reality snapshot.

Select **【Shutter Speed】** pull-down menu, enter value to adjust exposure time of each snapshot.

5.7 Account

Click **【Account】** to enter into authority control interface.



Authority Type	Live Video	PTZ	Authority Setup	Parameter
Administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Media user	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.7.1 Authority

Click **【Authority】** to enter into authority configuration interface.

Authority Type	Live Video	PTZ	Authority Setup	Parameter
Administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Media user	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save Refresh

User can select and distribution authority of each group in sheet, click **【Save】** to complete settings and save.

5.7.2 User

Click **【User】** to enter into user configuration page.

User	Authority Type	Delete	Modify
admin	Administrator		

Add

Click **【Add】** to enter into user configuration interface.

User:

Password:

Confirm:

Group: Administrator

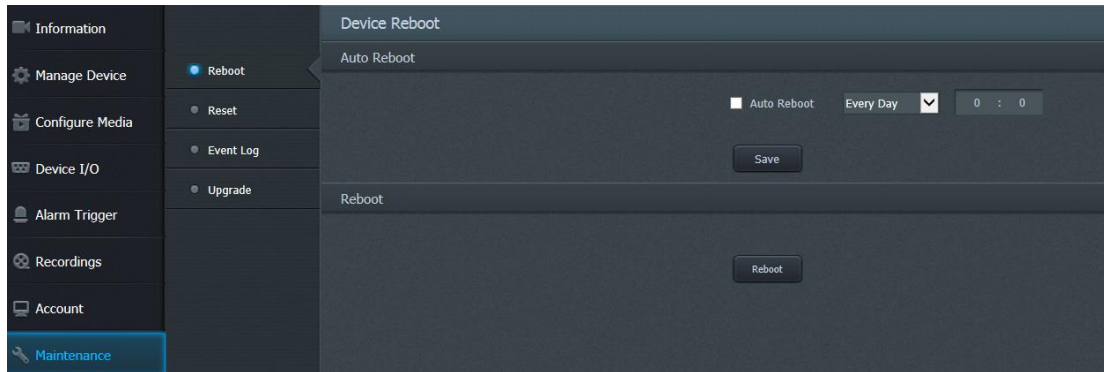
Add Cancel

User enter personality user name and set up password. Adjust **【Group】** pull-down

menu to setup user group and limit user authority.

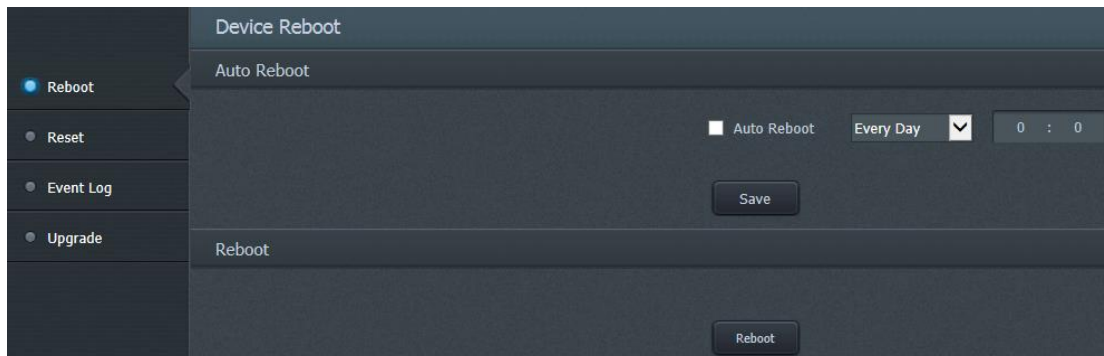
5.8 Maintenance

Click **【Maintenance】** to enter into maintenance interface.



5.8.1 Reset

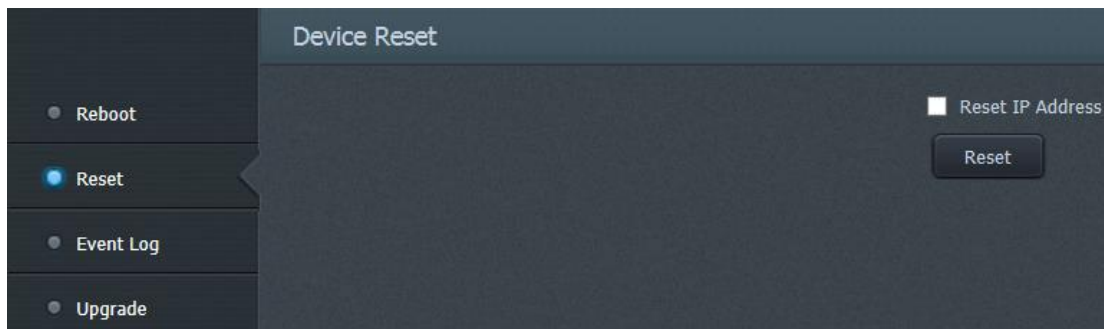
Click **【Reboot】** to enter into reboot interface.



User can configure auto reboot time at **【Auto Reboot】** and also click reboot at **【Reboot】** to complete reboot.

5.8.2 Reset

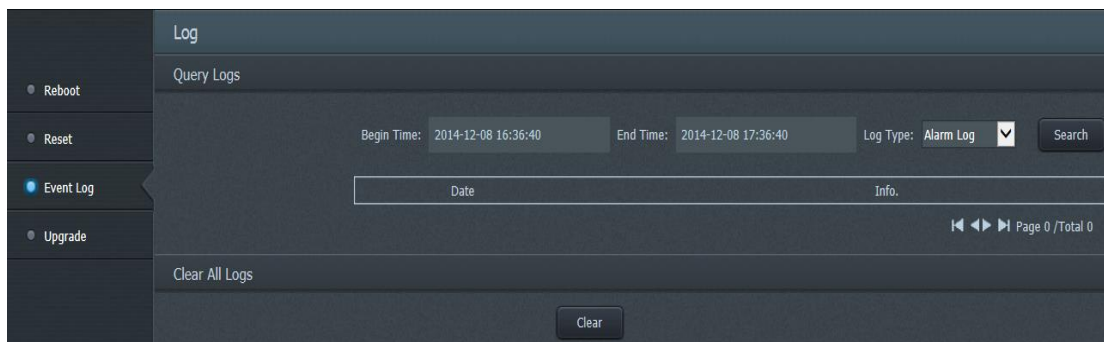
Click **【Reset】** to enter into reset interface.



User can click reset button to reset system configuration parameter in this interface and also can select **【Reset IP】** to reset device to default.

5.8.3 Event Log

Click **【Event Log】** to enter into event log interface.



User can narrow the space of query by query function such as adjust time and log type at **【Query】** item.

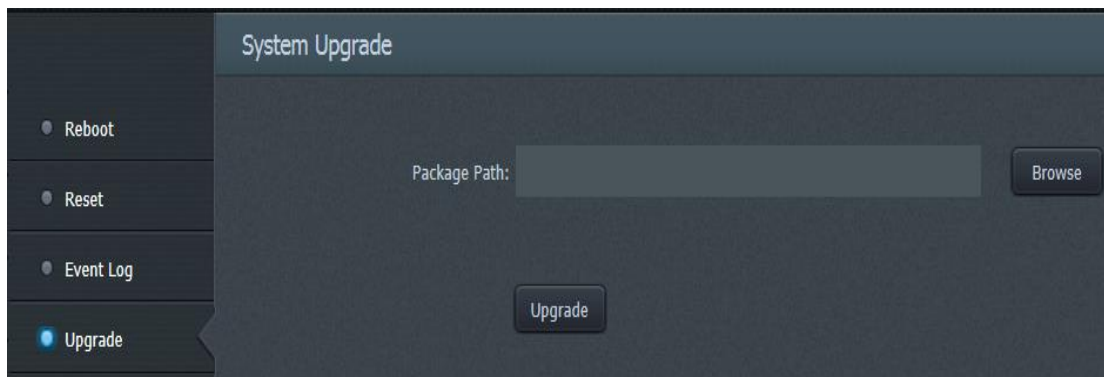
User can clear all generation log recording by **【Clear】** at **【Clear】** item.

5.8.4 Upgrade

Click **【Upgrade】** to enter into device IE port upgrade interface.



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Click **【Browse】** to select upgrade file and click **【Upgrade】** to start upgrade program.

Notice: Device will stay in upgrade reset status after upgrade successfully for 3 minutes. During that time, device can't work normally.

Important to allow the camera to upgrade the firmware correctly, while upgrading is strongly recommend not to operate the camera.



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