

IP Camera User Manual

(v1.0)

Catalogue

1. Login interface	错误！未定义书签。
2. Realtime preview.....	- 5 -
2.1 Open/close preview.....	- 5 -
2.2 Full-screen preview.....	- 5 -
3. Parameter configuration	- 5 -
3.1 Device parameters.....	- 5 -
3.1.1 【Device Info】	错误！未定义书签。
3.1.2 【System Info】	- 6 -
3.1.3 【DST Setting】	- 6 -
3.2 Channel Parameters.....	- 7 -
3.2.1 【Display Settings】	- 7 -
3.2.2 【Video Settings】	- 8 -
3.2.3 【Video Parameters】	- 9 -
3.2.4 【Motion Detection】	- 10 -
3.2.5 【Video Tampering】	- 11 -
3.2.6 【Video Mask】	错误！未定义书签。
3.3 Network Parameters.....	- 14 -
3.3.1 【Network Settings】	- 14 -
3.3.2 【Management Platform】	- 15 -
3.4 Alarm & Exception.....	- 16 -
3.4.1 【Alarm Input】	- 16 -
3.4.2 【Alarm Output】	- 16 -
3.5 Account Parameters.....	- 17 -
3.5.1 【Account Setting】	- 17 -
3.5.2 【User Online】	- 18 -
3.6 System Management.....	- 18 -
3.6.1 【Auto Reboot】	- 18 -
3.6.2 【Stream Info】	- 18 -
3.6.3 【Restore】	- 19 -
4. Exit	- 19 -
5. The method of playing IPC video on VLC media player	- 20 -

Statement

The user manual is only a reference, please refer to the goods in kind prevail.

The user manual may contains technical inaccuracy or misprint.

Products or program that described in the manual might be modified or renewed at any time, upgrades will be proceeded without notice.

The screen shot picture in the manual for presentation use only.

If you have any questions or need to receive the latest firmware and supplementary specifications, please contact our after-sale department.

Notice

The manual shows how to use the product and the method prevent dangerous, please do follow it.

Please install the IP camera in a surrounding with suitable operating temperature & humidity(normal working temperature -10 ~ +60 centigrade).

Please check whether the power supply is correct or not before switching on the device.

Please don't shake the device violently and avoid the product to drop down.

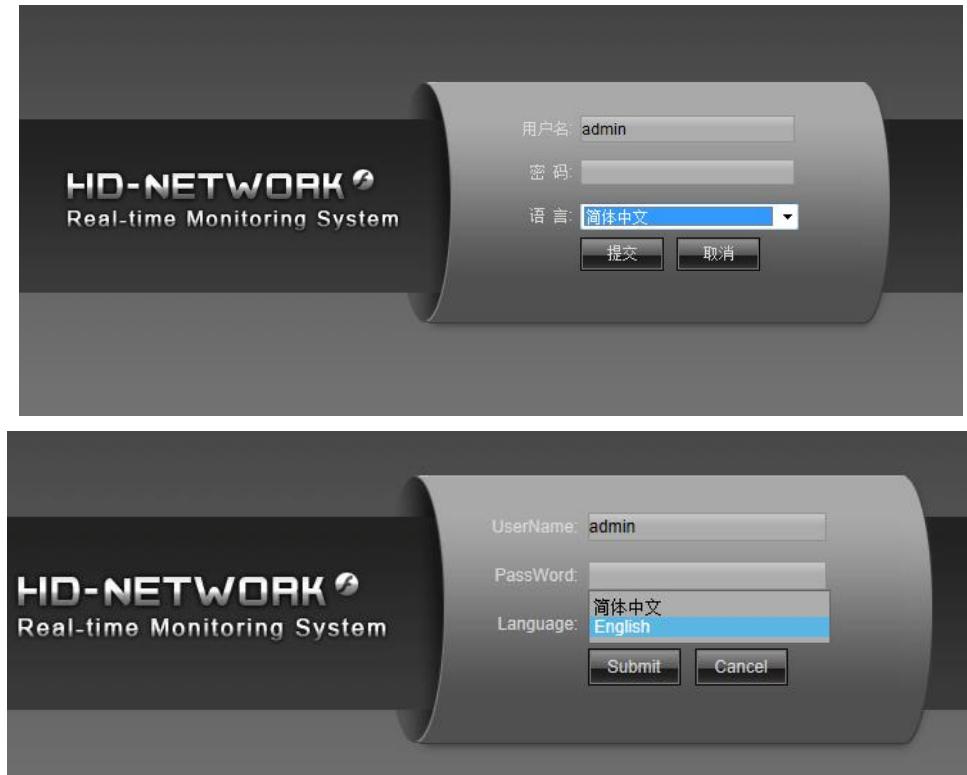
Avoid to install the device into dusty, humid and places with strong electromagnetic radiation.

Please don't pour any liquid in the device and avoid to put item with filled liquid on the device.

To protect the image sensor, please cover the image sensor with dust cap while leave the product unused. Please don't disassembly the product at will.

1. Login Interface

Entering IP address of front-end equipment in the IE Browser (default IP: 192.168.1.189), Login Interface shows as below:

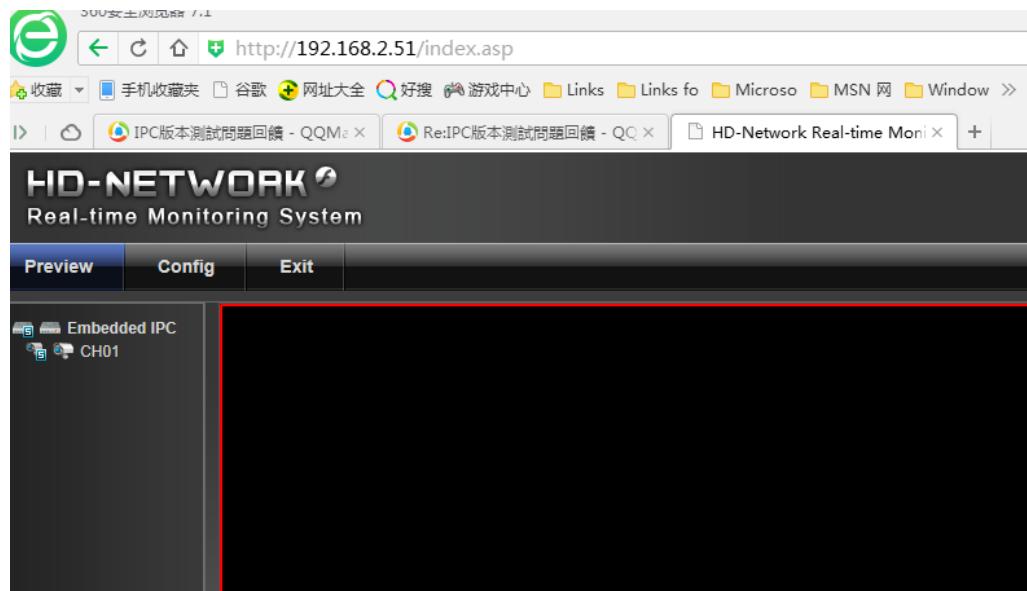


Username: admin (**default**)

Password: None (**default**)

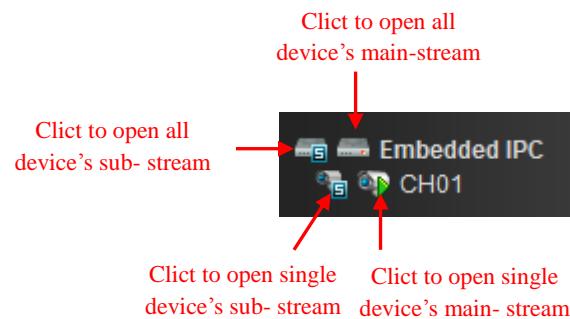
Language: Select Chinese or English

Click 【Submit】to login successfully, which shows as below:



2. Real-Time Preview

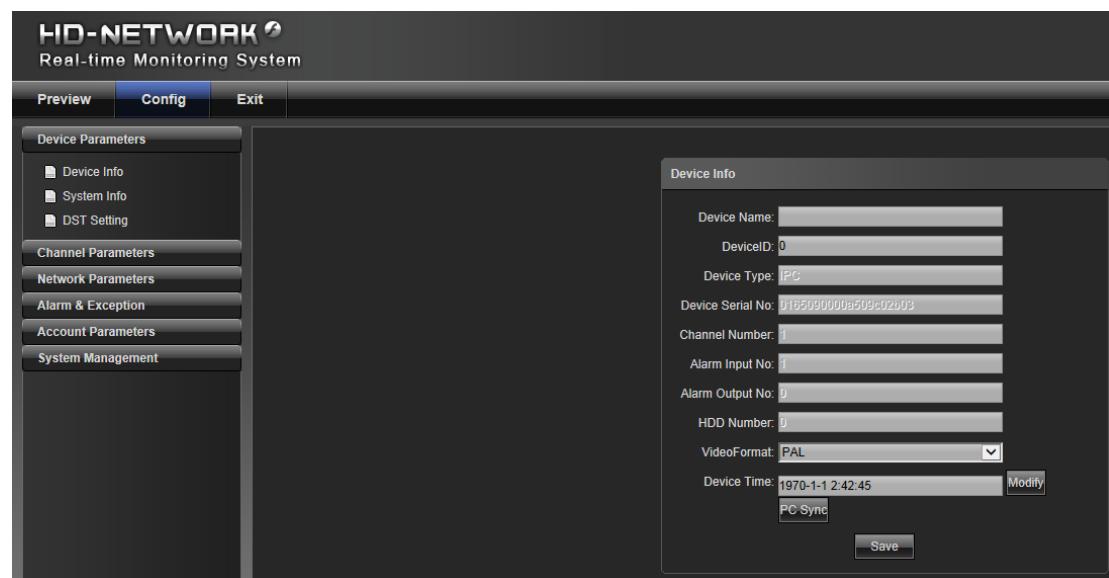
2.1 Turn on/off Preview



2.2 Full-screen Preview

Click icon  to get full-screen preview, , right-click mouse button in the preview window (or press the ESC key)can exit full screen.

3. Configuration



3.1 Device Parameters

Click “Parameters setting” to get option【Device info】【System info】and 【DST setting】showed as blow:

Device Info

Device Name:	
DeviceID:	0
Device Type:	IPC
Device Serial No:	0165090000a509c02b03
Channel Number:	1
Alarm Input No:	1
Alarm Output No:	0
HDD Number:	0
VideoFormat:	PAL
Device Time:	1970-1-1 2:43:50
Modify	
PC Sync	
<input type="button" value="Save"/>	

3.1.2 【System info】

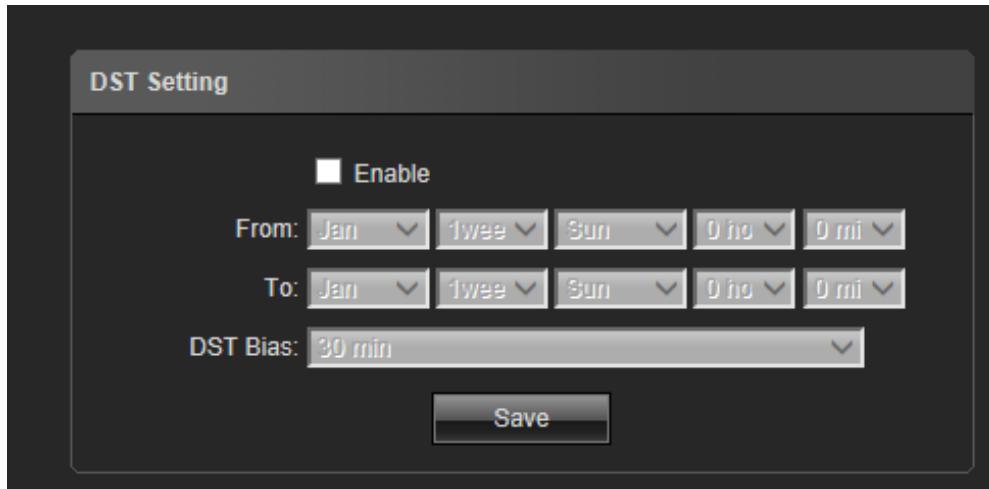
Check the system master and hardware version.

System Info

Master Version:	V1.0[20150122]
Hardware Version:	V1.0

3.1.3 【DST Setting】

DST setting : can enable /dinstable the setting



3.2 Channel Parameters

3.2.1 【Display settings】

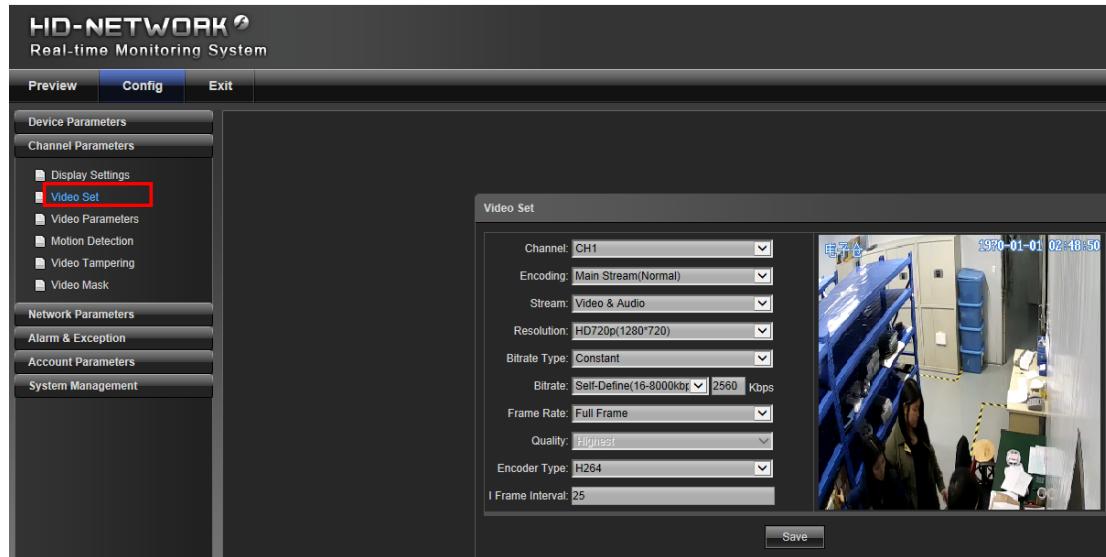


- 1) Channe: can select different channel (each ip camera have 1 channel)
- 2) Name: can admend or select if show the channel name .
- 3) Multi OSD: edit OSD content or select if show the OSD content
- 4) Time format : can select different time format .
- 5) Date format : can select different date format or select if show the date .
- 6) Brightness : adjust the brightness of the video.
- 7) Contract : adjust the contract of the video .
- 8) Saturation:adjust the saturation of the video
- 9) Chroma: adjust the chroma of the video
- 10) channel setting : change the channel address
- 11) date setting: change the address of the date
- 12) multi OSD : change the address of OSD

CLICK ↺ Can set back to default .

Click “save” , can save the current setting.

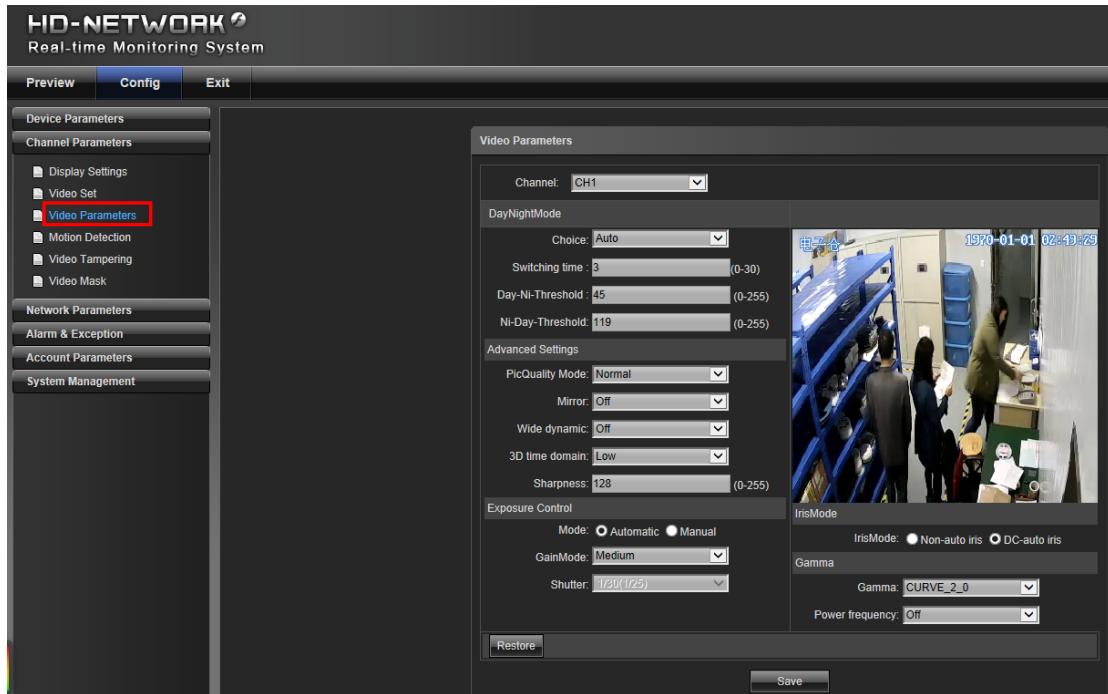
3.2.2 【Video Settings】



- 1) Channel: Different channel can be choosed (Only one channel for IP camera);
- 2) Encoding: Main-stream(timing) and substream(network transmition) are optional;
- 3) Stream: Including combined flow and video flow;
- 4) Bitrate Type: Constant and variable are optional;
- 5) Resolution: Same to the resolution(s) that IP Camera supported;
- 6) Bitrate: Can be defined with different figures in the pull-down menu, also can be customized between 16-8000kbps;
- 7) Frame Rate: Can be defined with different figures in the pull-down menu, default Full Frame;
- 8) Image Quality: Highest, good, better, genral, bad, very bad are optional, default Highest;
- 9) Encoder Type: H.264 as default;
- 10) I Frame Interval: 25 as default. It can be adjustable, but not suggest to be changed.

(Note: Modifying the parameters in “Video Setting” will lead to changes of IPC displaying.)

3.2.3 【Video Parameters】



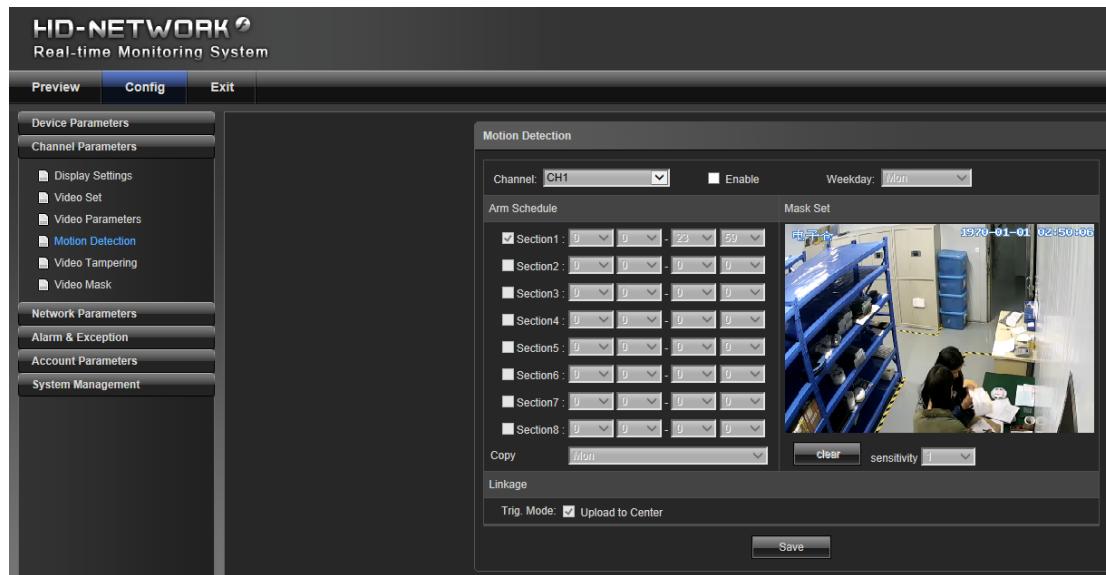
Can modify “Video Parameters” of IP Camera here

- 1) Channel: Currently channel
- 2) Choice: External trigger, Auto, Color, Black and White, Day/night switch delay value(0-30)is 3s by default, day/night switch mode for Non-infrared IPC is auto by default. day/night switch mode for IR IPC is external trigger by default. User can choose different day/night switch mode according to different IPC type and actual condition;
- 3) Picture Quality Mode: Normal, bright, nature; Normal by default.
- 4) Mirror: Off, Horizontal mirror, vertical mirror and 180° rotation;
- 5) Wide dynamic: Off, low, middle, high are optional;
- 6) 3D time domain: Off, low, middle, high, highest are optional;
- 7) Sharpness: 0-255 are adjustable, 128 by default;
- 8) Exposure Control: Automatic and Manual mode are optional;
- 9) Gainmode: Lowest, Low, middle, high, highest are optional; When exposure control mode is manual, gainmode is fixed;
- 10) Shutter: 1/30 (1/25) -10000 can be adjustable; When exposure control mode is automatic, shutter is fixed;
- 11) Iris mode: Non-auto iris and DC auto iris optional; IPC with DC auto iris lens can be revised;
- 12) Gamma: CURVE1.6、CURVE1.8、CURVE2.0、CURVE2.2;
- 13) Power frequency: Off, 50HZ, 60HZ;

Restore: Click this button to restore factory settings.

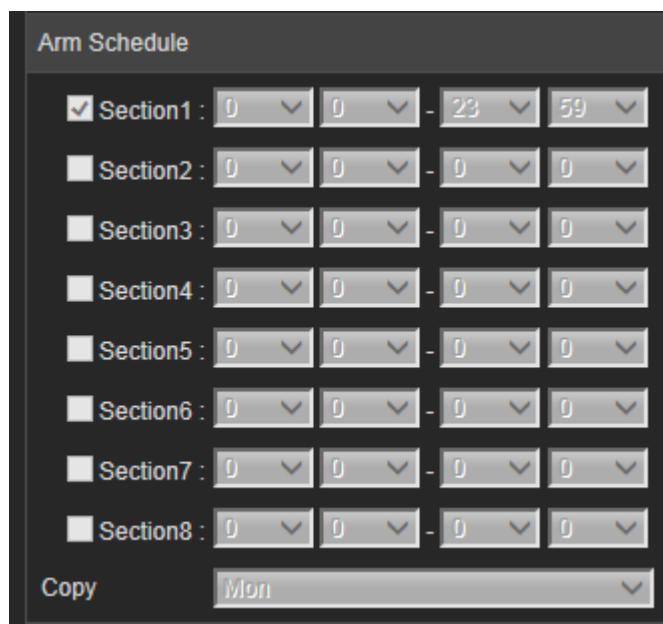
3.2.4 【Motion detection】

In the "motion detection" page, select to the channel number of start the motion detection, check the "start motion detection" and then select need protection of the week, as shown in picture:



Arm Schedule :

Can be set eight periods times of the protection time, and can make these eight periods time respectively copy into each week, as shown in picture :

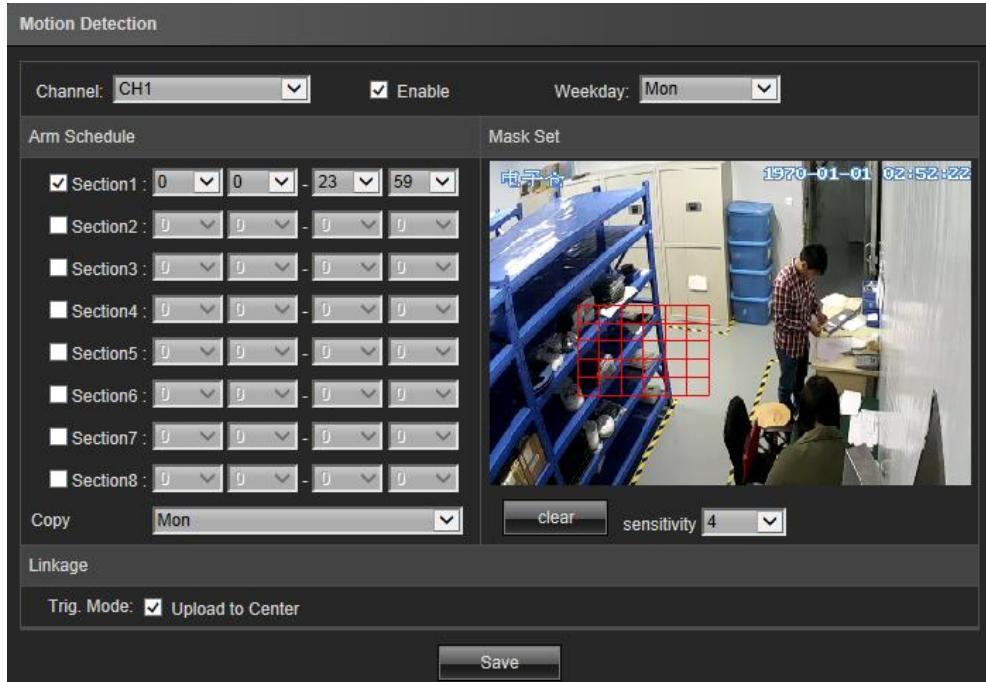


Motion detecting regional Settings:

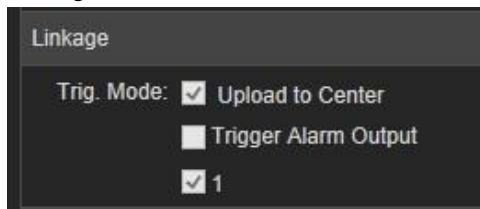
Box with the mouse click to choose image, can appear red box area

Click on the "all clear" to clear the area stipulated in the current channel

Sensitivity: the higher the sensitivity, detect the effect of moving will be more obvious



Linkage :

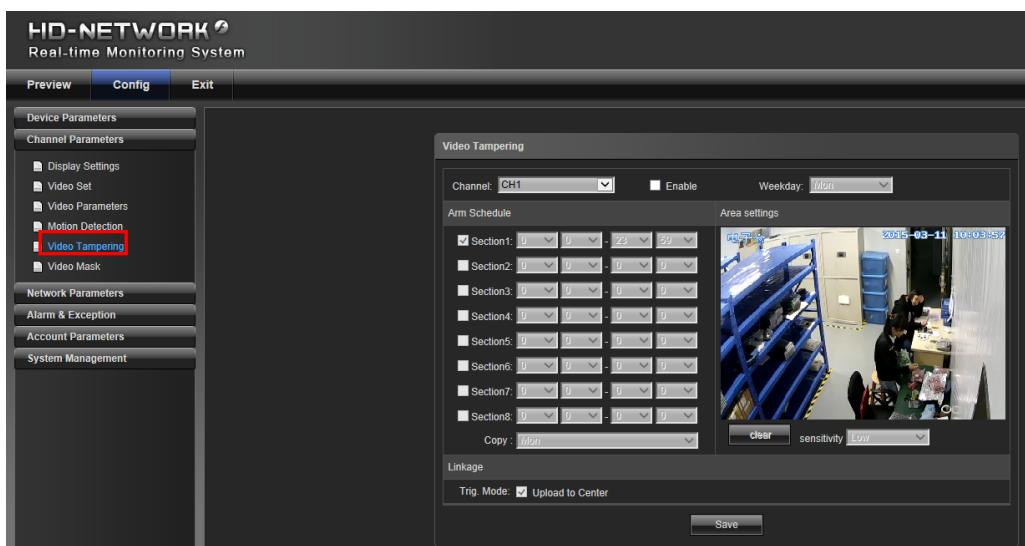


Upload center: alarm information can also view the local end

Trigger the alarm output: trigger corresponding other alarm equipment

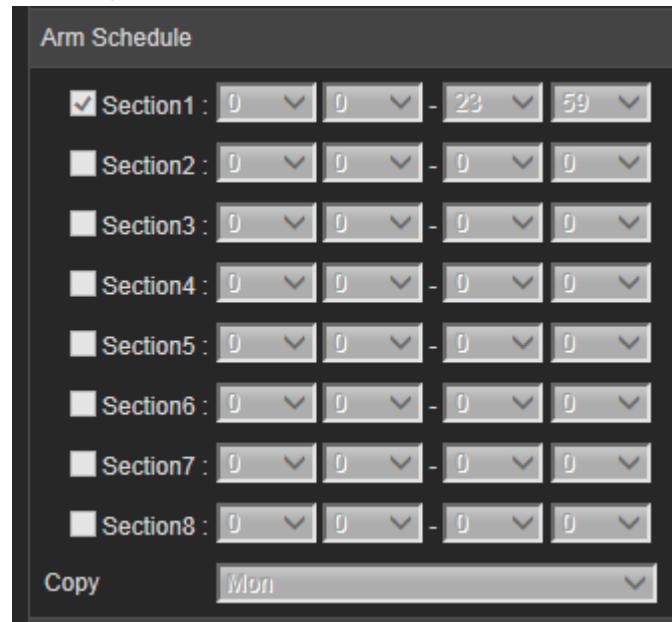
3.2.5 【Video Tampering】

In the "Video Tampering" page, select the channel number of start keep out alarm,check the "Video Tampering" and then select need protection of the week, as shown in picture:



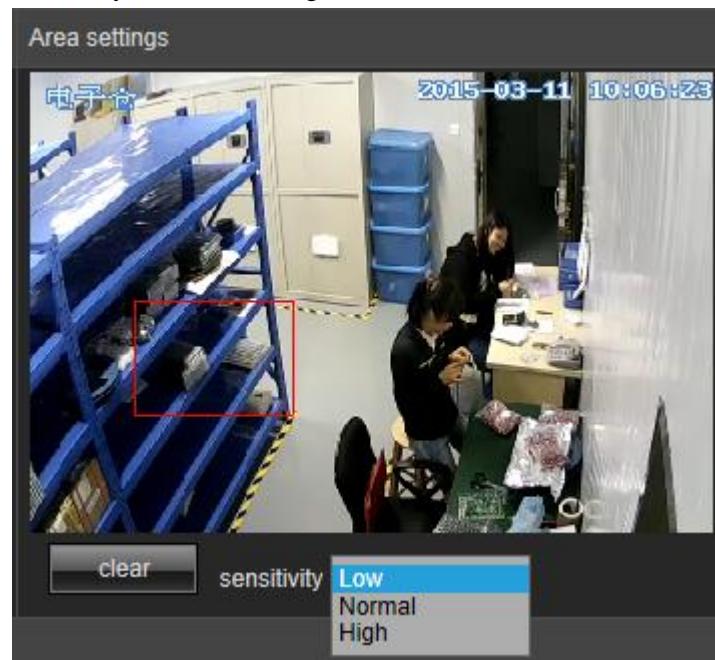
Arm Schedule:

8 sections can be set up for arm schedule, and these 8 sections can be copied to every week, as the following:



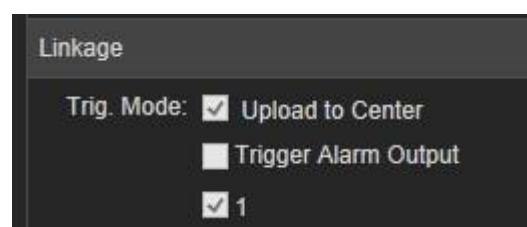
Area Settings:

Left click to choose the area, so there is a red box area, set up the video tampering area, adjust the sensitivity, as the following:



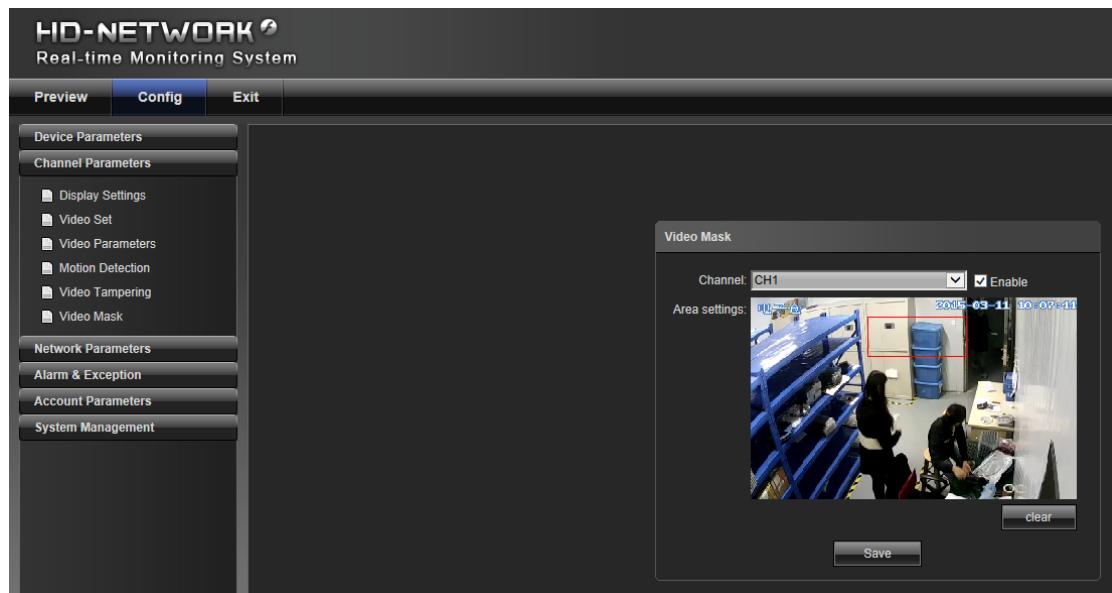
Linkage:

Choose the linkage when the alarm is triggered, as the following:

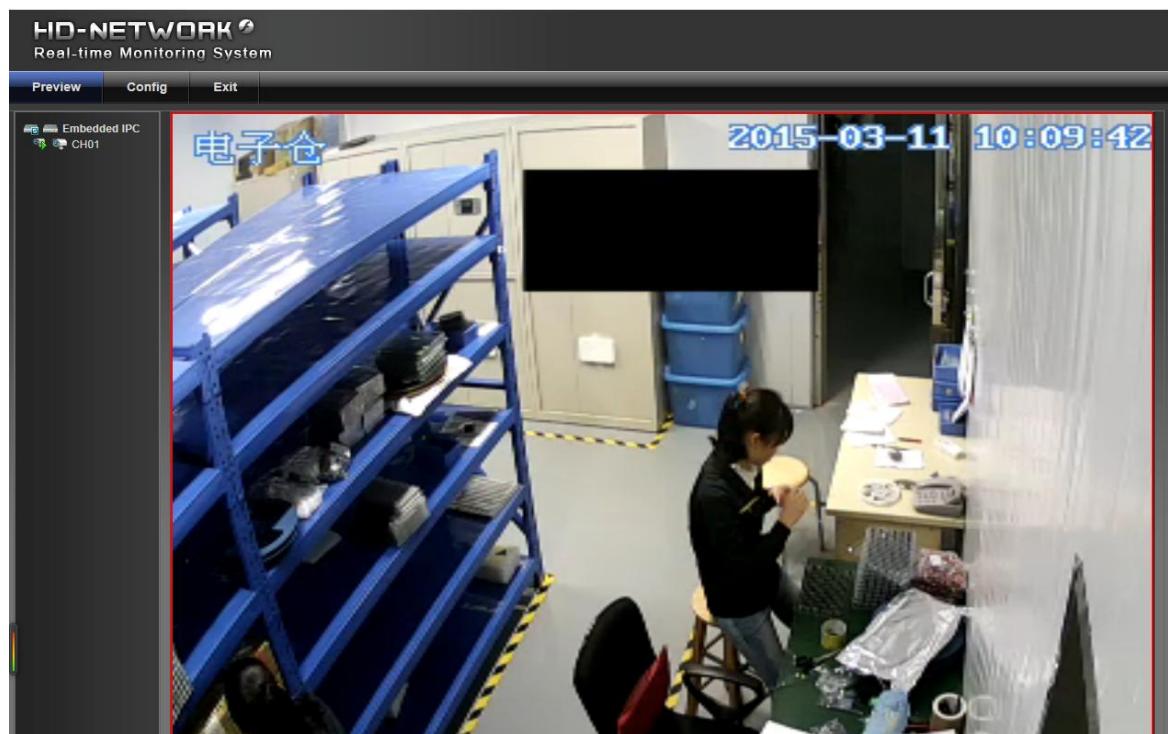


3.2.6 Video Mask

In “Video Mask”, choose the channel to do video mask, click “Enable” as the following:

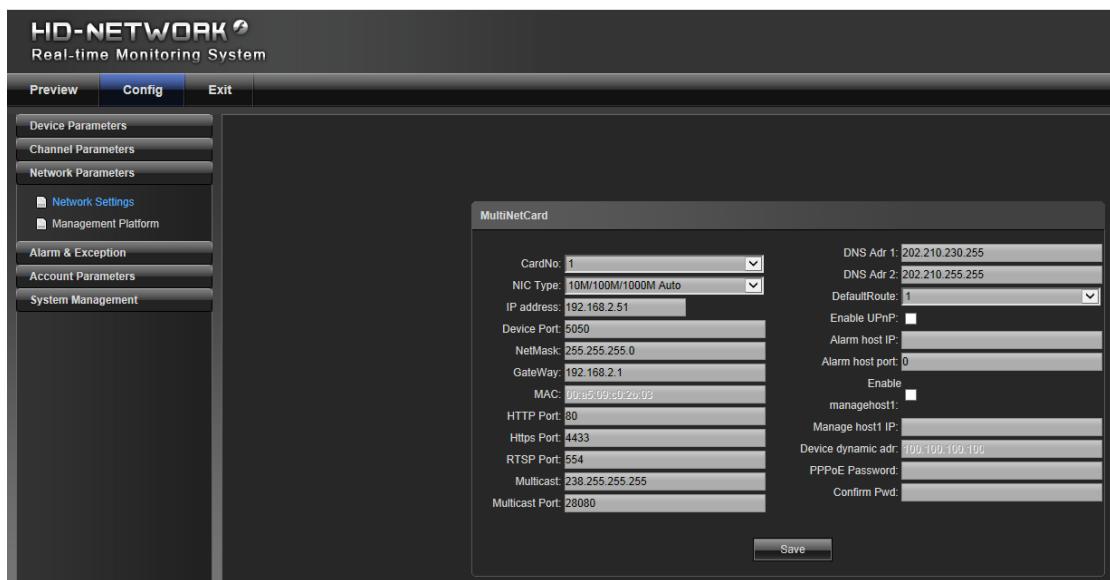


Video Mask Picture



3.3 Network Parameter

3.3.1 【Network Settings】



- 1) Card Type: can choose different card type according to the need
- 2) IP Address: input relevant number to modify IP address
- 3) Device Port: input relevant device port
- 4) NetMask: input relevant IP's netmask
- 5) Gateway: input relevant gateway address
- 6) MAC: display the present network connector MAC
- 7) HTTP Port: input relevant port (default is 80)
- 8) Https Port: input relevant port (default is 4433)
- 9) RTSP Port: input relevant port (default is 554)
- 10) Multicast: input the multicast address
- 11) DNS Adr: DNS server address
- 12) DNS Adr 2: DNS server backup address
- 13) Enable UPNP: enable, device port and HTTP port will automatic mapping to the router
- 14) Alarm Host IP: input the alarm host IP
- 15) Alarm Host Port: input the alarm host port
- 16) Manage Host 1 IP: input the manage host port
 - Input device dynamic IP
 - Input PPPoE password
 - Confirm password

3.3.2 【Management Platform】

The screenshot shows the 'Management Platform' configuration page. The left sidebar has a 'Management Platform' section selected. The main area displays a table titled 'Management Platform' with columns for Index, Protocol, and State. The table contains 8 rows, each with an index number from 1 to 8, a protocol type of 'I8S', and a state of 'Open'. There are 'Modify' and 'Del' buttons next to each row.

Index	Protocol	State
1	I8S	Open
2		Close
3		Close
4		Close
5		Close
6		Close
7		Close
8		Close

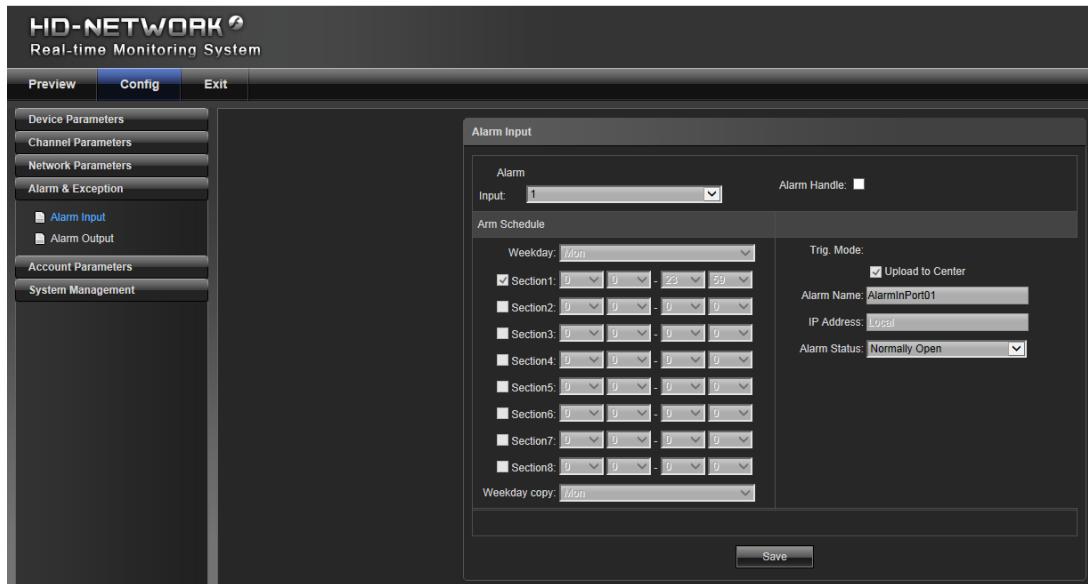
Click modify, user can set up the i8s protocol

The screenshot shows the 'Editing Management Platform' dialog box. It contains fields for 'Management' (set to 'Platform'), 'Protocol' (set to 'I8S'), and 'State' (set to 'Open'). There are 'Save' and 'Back' buttons at the bottom.

i8s protocol turn on, customer can use the NVR and IPC plug and play function of i8s protocol

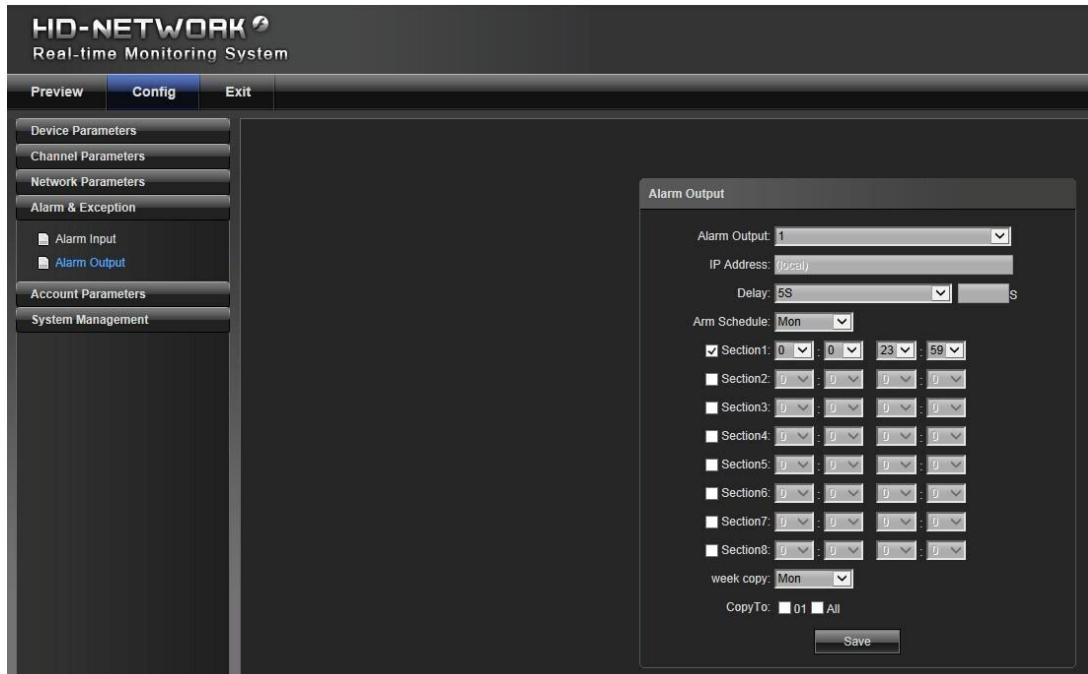
3.4 Alarm & Exception

3.4.1 【Alarm Input】



- 1) Choose the alarm input alarm number.
- 2) Choose the alarm status: "Normal Open/Normal Close".
- 3) Set the protection time.
- 4) Choose the linkage

3.4.2 【Alarm Output】



Choose the alarm input alarm number.

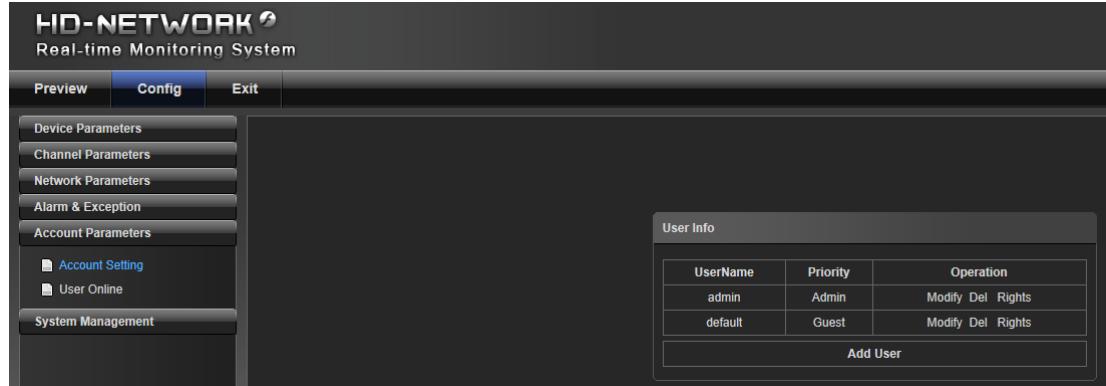
- 1) Choose the output delay time of alarm(When the alarm after the trigger, alarm output

corresponding time delay)

- 2) Set the protection time.
- 3) Can copy the parameters to the relevant week.

3.5 User Information

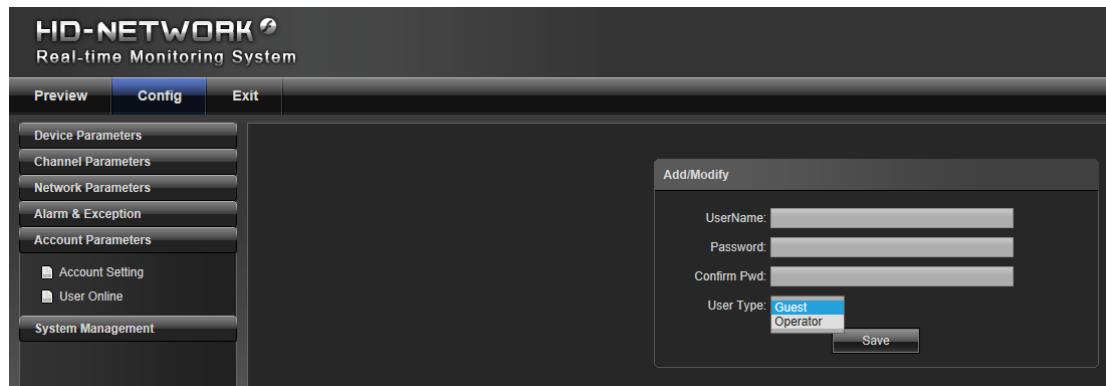
3.5.1 【User Management】



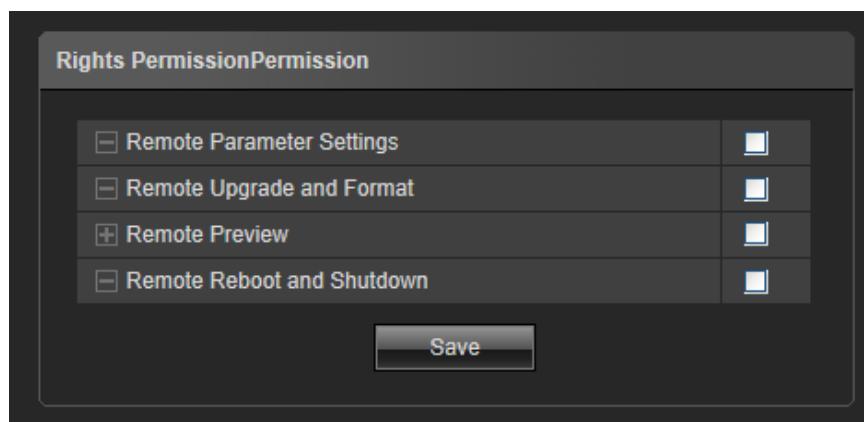
“admin” Administrator. (defaults)

“default” Average user, boot login permissions for the “default” user permissions.

Click 【Add User】 to add a new user, as below picture:



Click 【permissions】 for new users assign permissions, shown as the picture:



Click **【delete】** to delete the new user.

3.5.2 【User Online】

To display current users online info

The screenshot shows the 'User Online' section of the system. On the left, there's a vertical menu with options like Device Parameters, Channel Parameters, Network Parameters, Alarm & Exception, Account Parameters, System Management, Auto Reboot, Stream Info, and Restore. The 'User Online' option is selected. The main area displays a table titled 'Online Users' with one row of data: No. 1, UserName: admin, Login Type: Remote, Login Time: 2015-03-11 10:02:49. A 'Refresh' button is at the bottom right of the table.

No	UserName	Login Type	Login Time	IP
1	admin	Remote	2015-03-11 10:02:49	

3.6 System Management

3.6.1 【Auto Reboot】

The screenshot shows the 'Auto Reboot' configuration page. The left sidebar has the same menu as the previous screenshot. The main area contains a 'Maintenance Mode' dropdown menu with options: Disable (selected), Every Day, Every Week, and Once.

Maintenance Mode:	Disable	Every Day	Every Week	Once
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To choose “Management Mode” and “Maintenance Duration”; device will reboot based on specific patterns

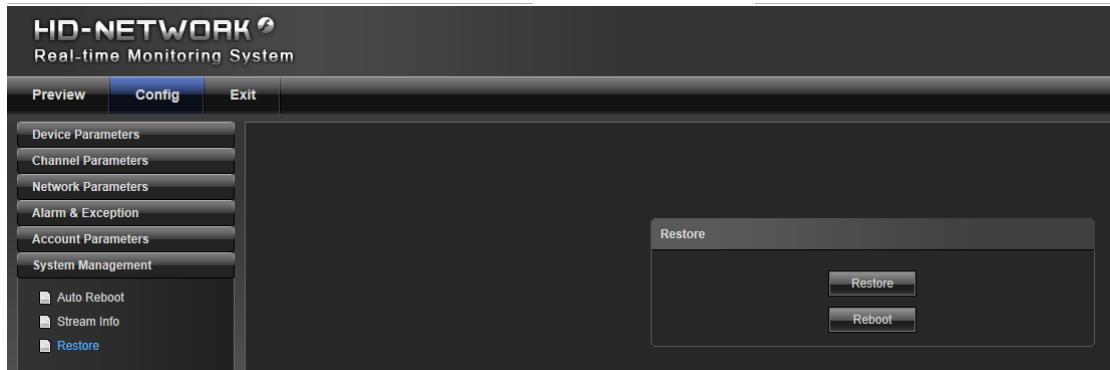
3.6.2 【Stream Info】

The screenshot shows the 'Stream Info' page. The left sidebar includes the 'Stream Info' option. The main area displays a table titled 'Stream Info' with one row of data: CH 1, Main Stream 2544(kb/s), Sub Stream 504(kb/s), Main Stream 1117(MB/H), Sub Stream 221(MB/H). A 'Refresh' button is at the bottom right.

CH	Main Stream	Sub Stream	Main Stream	Sub Stream
1	2544(kb/s)	504(kb/s)	1117(MB/H)	221(MB/H)

To check current IPC mainstream and substream info.

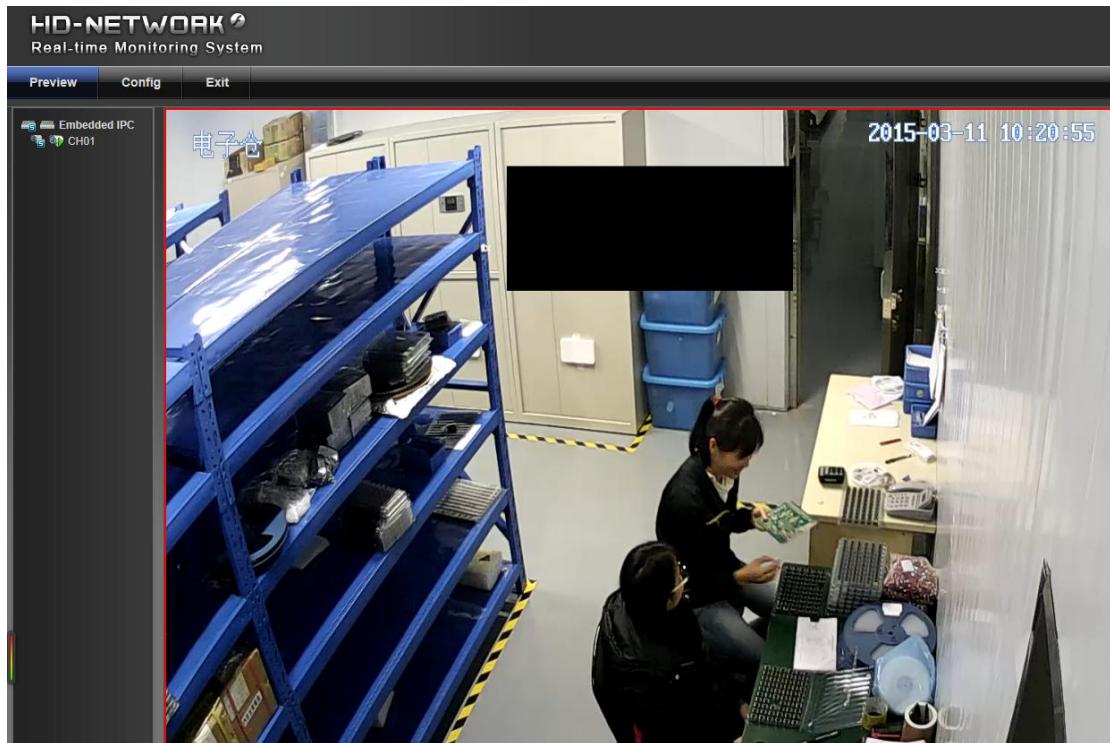
3.6.3 【Restore】



Restore: To restore factory default.

Restart: Reboot device

4. System Exit



To click to exit the system.

5. Ways to play RTSP stream video by VLC media player

1. To download and install VLC media player

Run VLC media player “Media”→“Open network streaming”→Input from “Network URL”

rtsp://**192.168.1.189**:554/**ch01.264**?ptype=udp

rtsp://**192.168.1.189**:554/**ch01_sub.264**?ptype=udp

The red represents the IPC’s IP address and channel number

ch01.264 represents IPC mainstream

ch01_sub.264 represents IPC substream

IPC only fills in ch01.264 and ch01_sub.264 as IPC only has 1 channel.

