HD IPC IE Users Manual

V1.0

2014.8.25

IPC WEB INSTRUCTION

V1.0　2014/08/25

Thank you for purchasing our products. Please read the manual carefully before operating。

WARNING：

1　In order to prevent damage caused by fire or electric shock, please do not put cameras exposed in the moist environment or rainwater。
2　Please make sure the adapter is consistent with product specifications, otherwise it might cause fire, electric shock or damage.
3　Pay attention to polarity of the adapter, it might cause some accidents like fire。
4　Power supply must be firmly fixed so as not to loose to cause fire。
5　Please do not splash water on the product components when cleaning。
6　If the device gets ″abnormal smell or smoke″, please stop it immediately and contact with our customer service center。
7　Please do not open the camera if the camera stop functioning , contact your sales rep otherwise we won' t provide warranty

NOTES：
1　Do not make the products under great impact or stay away from strong electromagnetic interference and vibration。
2　There are some sophisticated parts inside the camera, therefore, during transportation and installation, please avoid the damage cause by stress or severe vibration. For the sake of safety, please do not switch on power before accomplishing all installation。
3　Please comply with all electrical safety standards during operation, camera or signal transmission cable should maintain a sufficient distance (50 meters) with high-voltage equipment or cables, if necessary, lighting and thunder protective measures must be taken。
4　Please install the camera in well-ventilated environment。
5　Please do not make the camera face sunshine or other strong light directly in case of any damage to the lens and the sensor。
6　The temperature and humidity range for cameras work are -10 ~ 50 ℃, less than 95% separately, please do not start cameras beyond this range。
7　To avoid lightning strikes, please make sure the installation of power supply ground line in a good condition。
8　To prevent the equipment from damage by shower or splash of water, please do not place the device substances such as liquid。
9　Regular Maintenance of the camera。

Chapter One： Settings

First find out the IP of the camera using IP Finder from the Disk, add an IP address with same network segment on the computer。
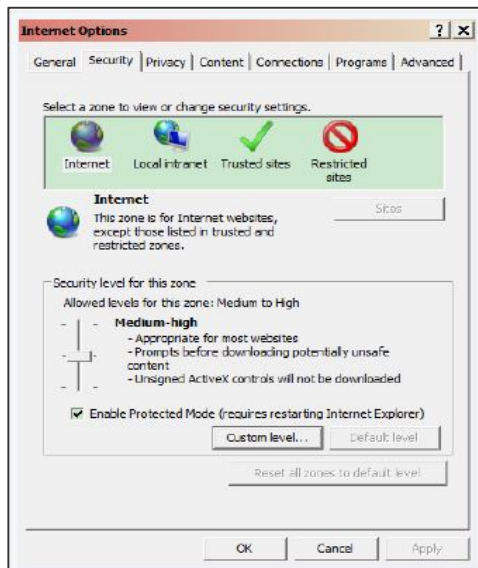
2.1 IE Setting

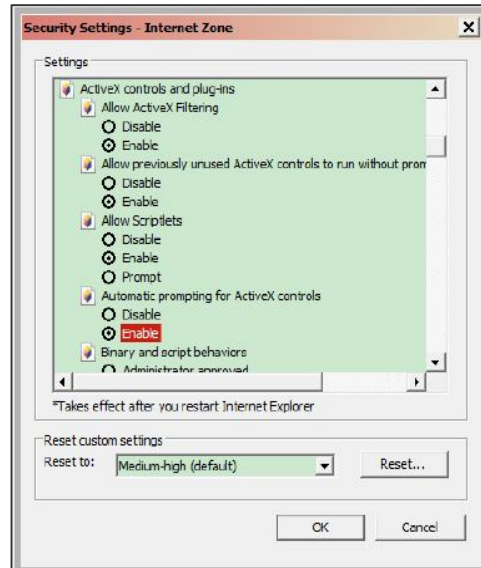If it's the first time using the IPC, you need to download Active X control。

Notes：the IE Browser must be above 6.0 Version.

2.1.1 IE6&IE7 Setting

Open IE Browser， "Tools—Internet—Setting—Internet Zone—Custom Level" (Picture 1) , enable all Active X controls(Picture 2)
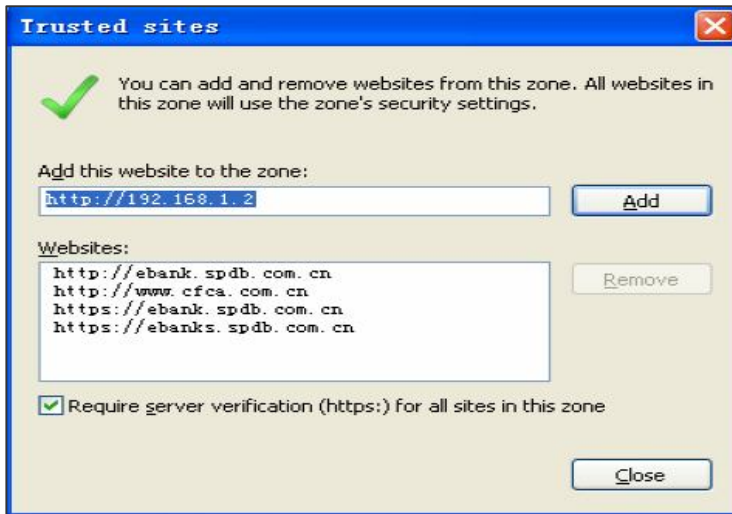
Picture 1 Internet Setting   Picture 2 Activate ActiveX

② "Security—Local Intranet—Custom Level"，enable all ActiveX controls。

③Windows XP，you need to add the IP address into the "Trusted Sites" (Picture 3)：
"Security—Sites"，input the IP Address for exampel：http://192.168.1.2, unclick "Require Server verification(https:)for all sites in this zone"，click "Add"、
then "OK"。

[Note]: Please restore security settings to "default." Level after network video ActiveX download is complete.

3.1.2 IE8 Setting method

① Open the IE browser, Internet Options – Modify ActiveX configure security settings, unsigned ActiveX component selection "prompt." Figure 4:
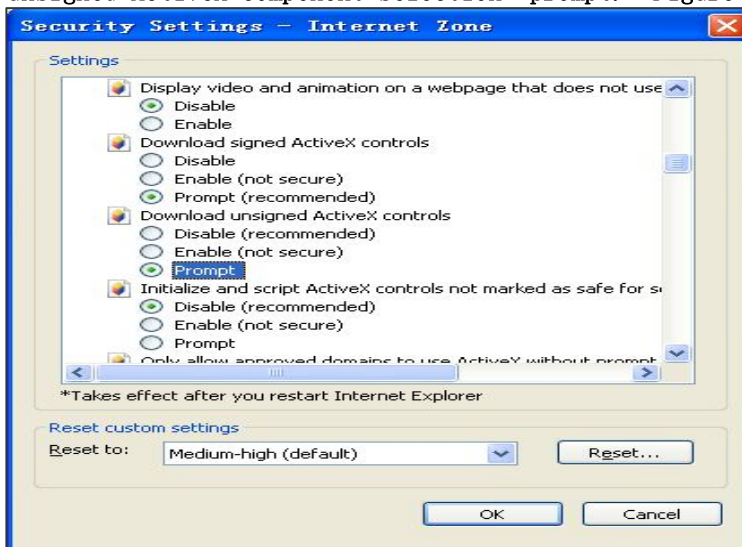

Figure 4 IE8 Internet Options

② Open IE8 browser, login server, there will be a security warning prompt, run the ActiveX control.

③ When modifying permission settings, to upload files to the server that contains the local directory path to enable. Like the figure 7 shown, IE8 browser, play the video file, you must leave this option checked, otherwise, you can not play the video file.
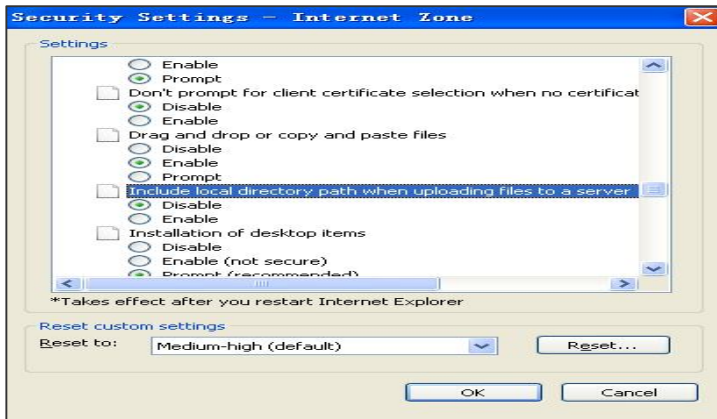
Figure 7 modify permissions settings

[Note]: In order to ensure your IE browser security, after closing the network video servers, these settings can be restored to a safe level.

Chapter II Device Connection & Login

2.1 Both methods can be used for the network connection between the camera and the computer:

  1) Between the network camera and a computer connected via a network cable.

  2) The network cameras and computers are simultaneously connected to the same switch / router, and keep both in the same network segment.

Please run "DeviceManager.exe" tool (you can find it in the accompanying CD-ROM) on the computer. This tool will automatically search for IP cameras, and the emergence of a list of local network cameras, shown in Figure 8.
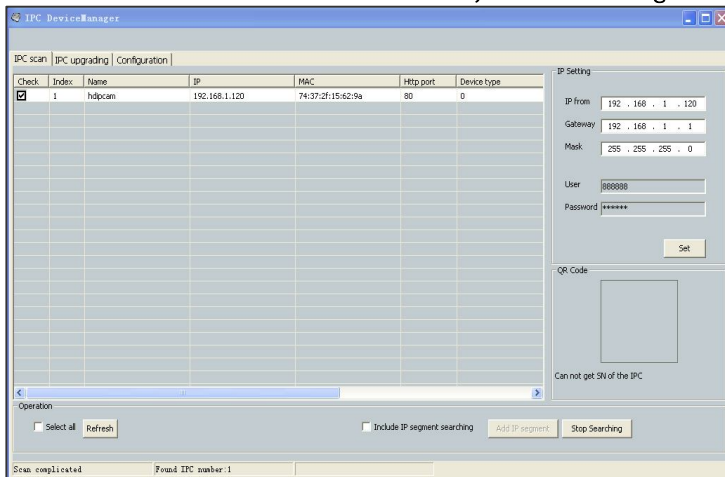

Figure 8 ip search

2.2 Login

    There are two login approach as follows:

  1) Enter the IP address of the camera directly in the IE browser; enter the login interface (Figure 9 or Figure 10).

2) use the mouse to select the search engine to find the camera right after the IP address, open the home page to enter login interface (Figure 9 or Figure 10).
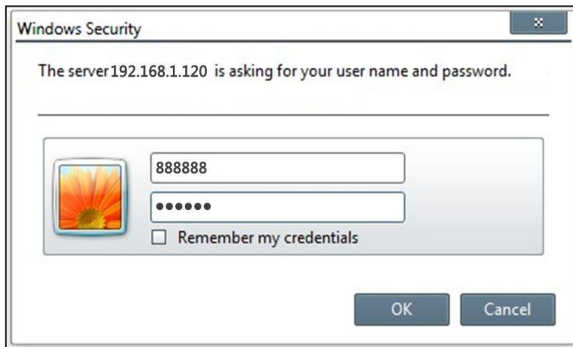
Figure 9 XP Login IPC   Figure 10 Win7 Login IPC

Note: The network camera factory set default IP address is: http://192.168.1.120, default http port 80, the default user name and password 888888, as shown in Figure 9 and Figure 10.
Note: To protect your privacy, please first login to edit your user name and password.

Chapter III: Preview Interface Description
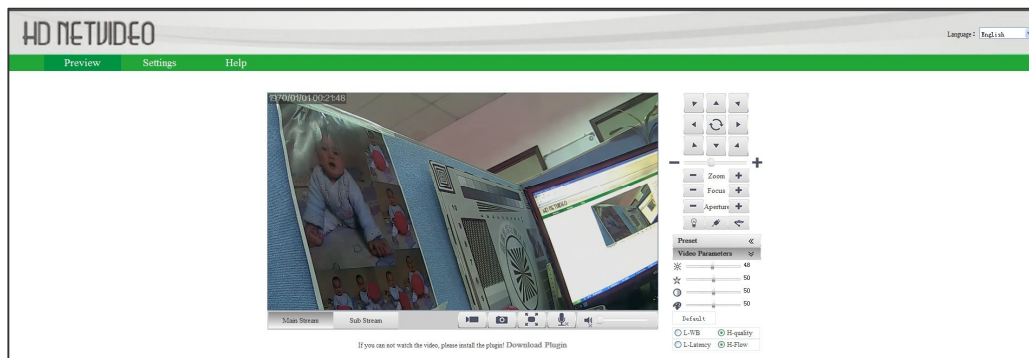3.1, after the successful landing of the camera, preview the interface shown in Figure 11

Figure11 Preview interface

3.2 Preview - Video surfaces Icon Description Figure 12

icon	function	instruction
Main Stream	Main Stream	Open the mainstream yards video, the video is displayed by default mainstream code
Sub Stream	Sub Stream	Open the sub-stream video code
	Open Video	Click after opening manual recording, click again to close video
	Close Video	In this state said it is recording, the video is automatically saved when you close to the local
	Capture	Click once to capture a real-time picture
	Full Screen	Click on the video screen covered in full screen
	Close Talkback	In this state the intercom off
	Open Talkback	In this state intercom open
	Close Sound	Sound off in this state
	Open Sound	In this state the sound turned

Figure12, Icon instruction description

Note: (1) a pure stream of type [video], the audio preview invalid.
(2) [IPC] at the same time supports only one user intercom, intercom proposal promptly closed after use intercom, easy to use by others.
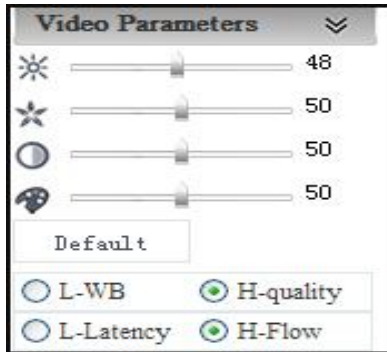
3.3, preview – video parameters in Figure 13

Figure13Video Parameters icon
(1) Click [Video Parameters tab, open the parameter settings page.
(2) by adjusting the corresponding slider can be realized on the video brightness, sharpness, contrast, saturation adjustment.
(3) If you need to put the video parameters are restored to the default state, you can click [Restore Default] button.
(4) according to the specific circumstances in which the network environment, from [low bandwidth], [high], [low latency], [high] in selecting the appropriate smooth preview mode.

3.4, preview –PTZ control
Note: This feature is only available with a 485 ball machine or camera support control.
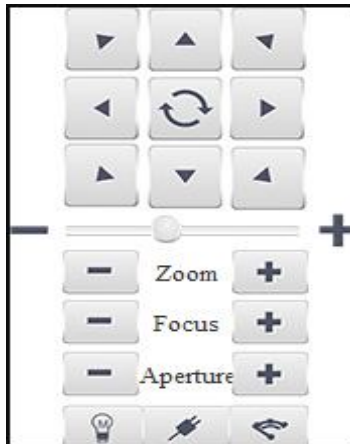

Figure14 PTZ Icon
(1) [PTZ] to eight control buttons control the direction of movement of the head to eight, eight buttons to control the middle button to automatically scan button, when clicked, PTZ will automatically scan; click this button again, the stop scanning.
(2) [speed] to manually adjust the PTZ rotation speed is adjustable from 0 to 100, the greater the number, the faster the head rotation.
(3) [zoom large / small] control the camera zoom lens, including the optical zoom and electronic zoom.

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(4) [focal length near / far] electronic focusing camera for autofocus ineffective when used.

3.5, preview -PTZ control - Preset

Enter the preset number, and click the Find button to select the preset position operation, including [Settings] and [call] operation.
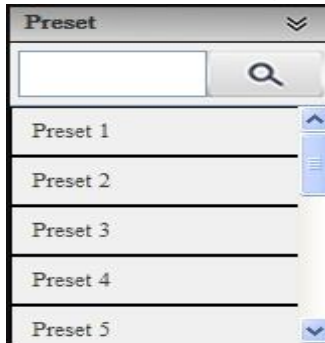

Figure15 Preset Icon

(1) [setup]: control of the ball or head movement to the designated location in the blank field, enter the preset number, click the button [icon], then click the [Settings] button to add the corresponding preset success; support adding more pre-is set.

(2) [call]: In the blank field, enter the preset number, click the button [icon], and then click [call] implementation calls the corresponding preset position, the ball or head movement to the designated preset position

3.6, the preview screen - Click Right to set.

(3) TCP / IP: after click, open TCP / IP of network, perform TCP / IP settings.

(4) Port: after click, open port option in the network settings, perform port settings.

(5) Audio: after click, open audio options in audio/video settings, perform audio settings.

(6) video streams: after click, open Video streaming option in audio/video settings, perform video streaming settings.

(7) System Information: after click, open the System Information option in the System Settings, view system information.

(8) Maintenance: after click, open the maintenance of the system setup options, for maintenance, upgrade operations.

4.2.1 Set - audio and video - Audio, in Picture 20
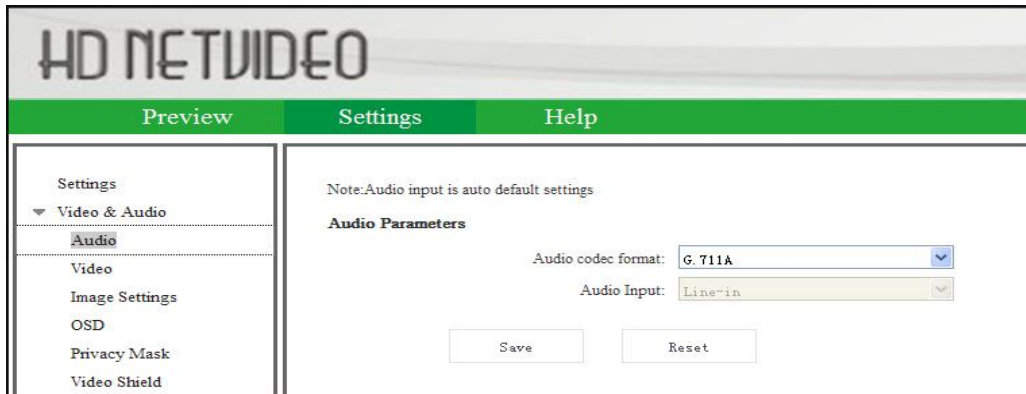
Picture 20 Setting Audio Interface

(1) [audio encoding formats] support G.711A, G.711U optional.
(2) [Audio] default linear input, this option can not be changed.
(3) Click [Save] button to save the current settings.
(4) Click [Reset] button to cancel the current setting.
Note: The audio input is automatically configured, generally do not need to make changes, the revised audio parameters need to restart the device.

4.2.2 Set - audio and video - video streams, in Picture 21
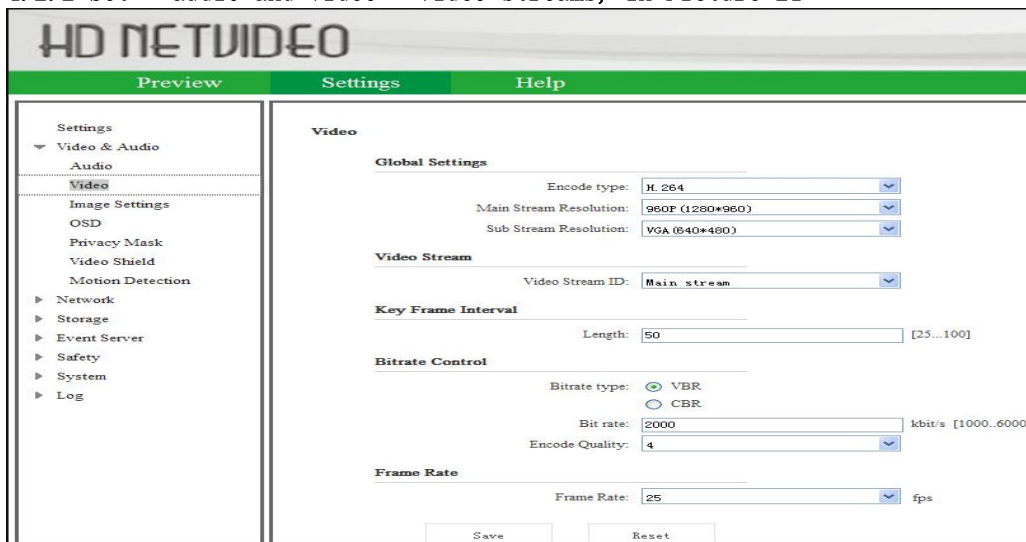
Picture 21 Set the video stream interface

(1) [encoding type] H.264.
(2) [resolution] main stream 5M> 3M> 1080P> 960P> 720P, resolution settings backwards compatibility.
(3) [times] Stream Resolution VGA> CIF> QCIF, the resolution setting backwards compatibility.
(4) [ID] provides video streaming bit rate and variable bit rate two kinds of fixed election test.
(5) [length] (25-100) are available, the smaller the length, the greater the share of space when storing.
(6) [use] to provide primary and secondary code stream flow two election test.
(7) [Bit Rate] can be set according to demand, but can not exceed the limits.

(8) [encoding quality] (1-6) are available, the higher the value, the higher the degree of compression.
(9) Frame Rate can be set according to demand, but can not exceed the limits.
(10) Click [Save] button to save the current settings.
(11) Click [Reset] button to cancel the current setting.

4.2.3 Set - audio and video - image settings, in Picture 22
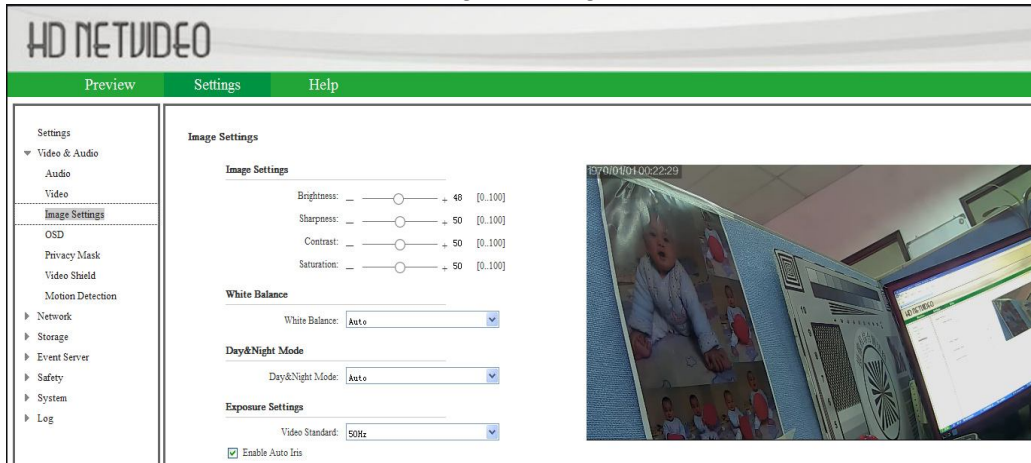
Picture 22 image settings interface

(1)] [image display]set brightness sharpness, contrast, saturation according to environment, not out of range (1-100).
(2) [WB] provides automatic, outdoor, indoor, fluorescent four kinds election test.
(3) [D/N Mode] provides automatic day and night mode, color, black and white three kinds election.
(4) [Video System] 50 Hz (PAL), 60 Hz (NTSC format) of two selected test.
(5) [IRIS] Please adjust aperture when the camera supports auto iris boxes to enable automatic iris function, default off.
Note: The image settings are timely entry into force, the effect on the right display.

4.2.4 Set - audio and video - characters superimposed, in Picture 23
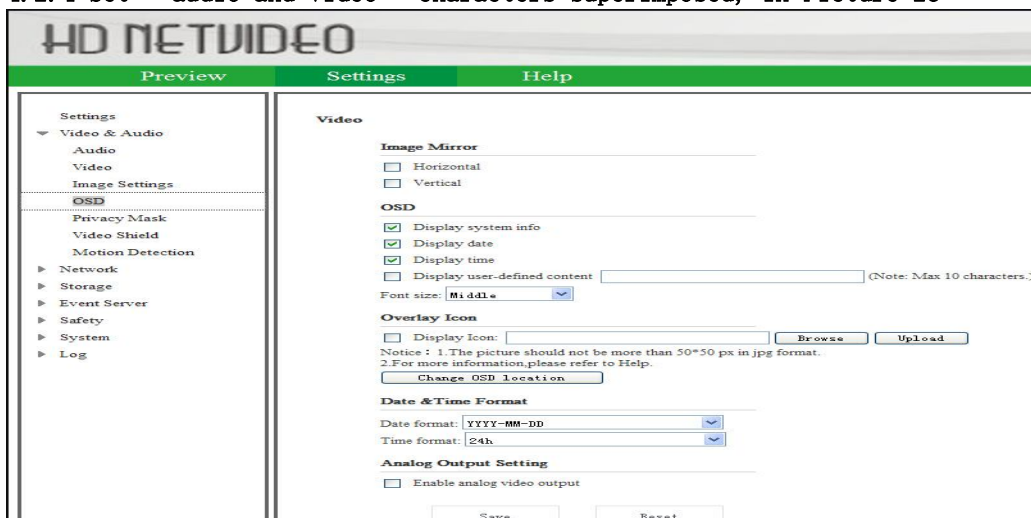
Picture 23 OSD interface

(1) [Mirror] provides horizontal and vertical mirror mirroring rate two kinds election test.

(2) [text overlay] listed options can be displayed on a video screen, custom content can not exceed the scope of words.

(3) [icon] support superimposed on the video screen to load a logo picture, but the picture specification must meet the requirements.

(4) [Date Format] three kinds of support to change the display format of the date to choose from.

(5) [Time format] support 24H and 12H two formats.

(6) [Analog Output] when the camera supports analog output, check this option turned off by default.

(7) Click [Save] button to save the current settings.

(8) Click [Reset] button to cancel the current setting.

4.2.5 Set - audio and video - Privacy masking, in Picture 24
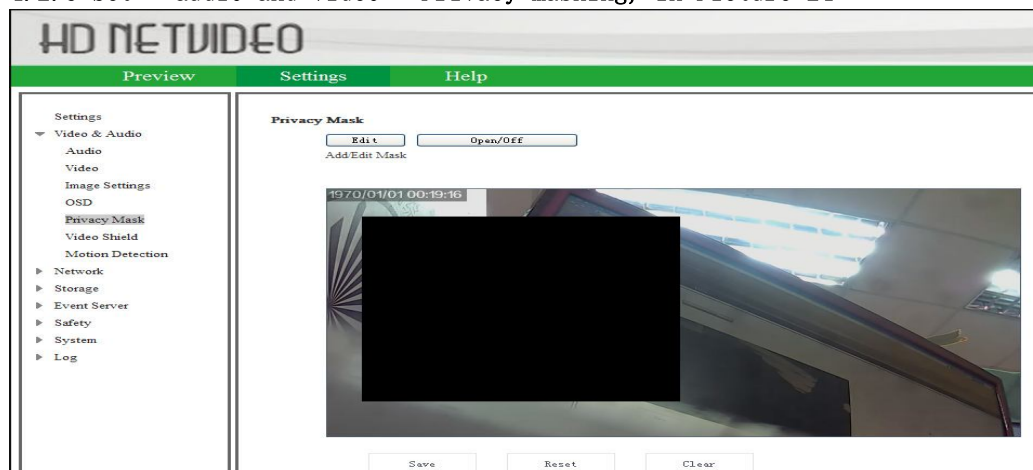
Picture 24 privacy masking interface

(1) [edit] mouse click Edit Label button, drag a black box where you need shelter.

(2) [Save] to set up the necessary shelter, save the label button appears after clicking the green box that means setting success.

(3) [on / off] on and off the set to support the success of the mask area.

(4) [Reset] button to cancel without saving shelter settings area.

(5) [Clear] to cancel all masking locale.

    Note: You can set up four shaded area

4.2.6 Set - audio and video - video block as shown, in Picture 25
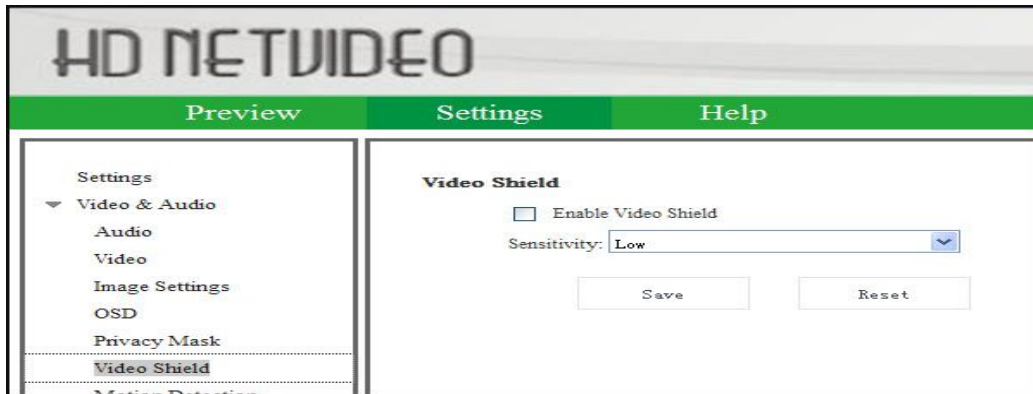
Picture 25 videos block interface

(1) [Video obscured] use this feature, be sure to check the Enable Video blocked.
(2) [Sensitivity Level] low, medium and high three levels to choose from.
(3) [Save] button, save the current settings.
(4) [Reset] button, cancel the current setting.

4.2.7 Settings – Audio and Video – Motion Detection as shown, in Picture 26
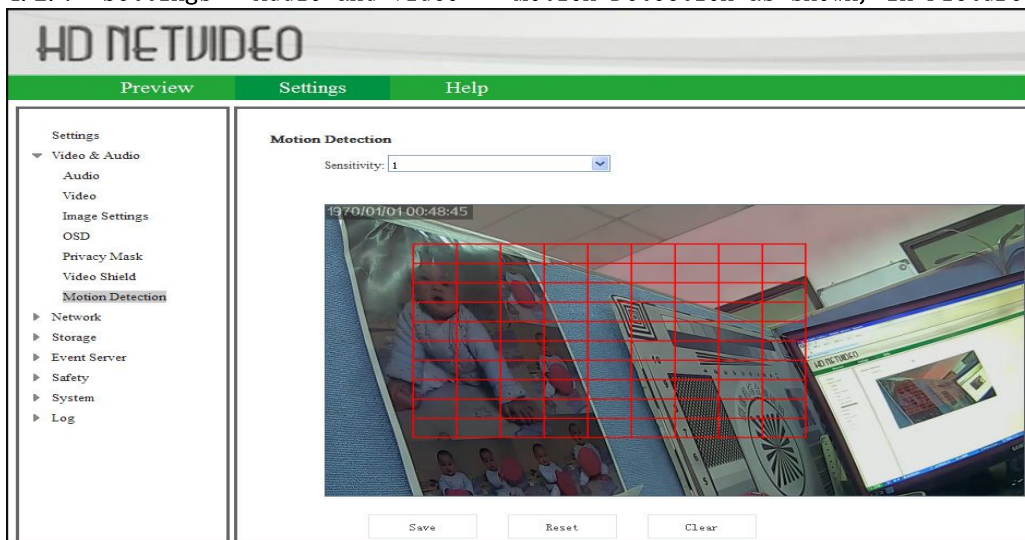
Pic26 Motion Detection Interface

When using motion detection, drag a square by the mouse in the needed area directly.
【Sensitivity】(1~10 level) 10 levels optional.
【Reset】button, cancel unsaved motion detection setted area.
【Delete】button, cancel all setted area.

4.3.1 Settings – Network – TCP/IP as shown, in Picture 27
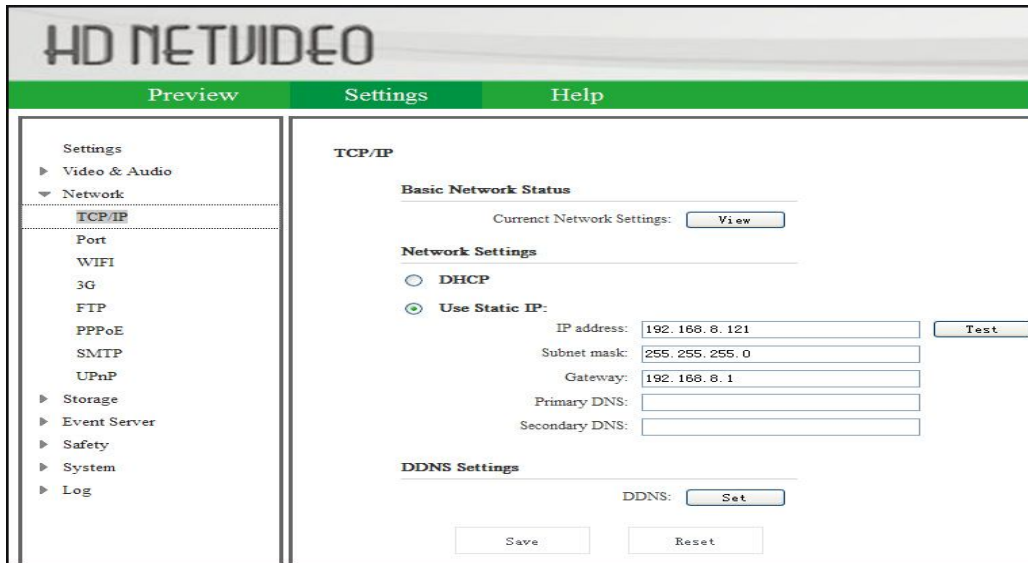
Pic 27 TCP/IP Interface

(1)【View】Show the basic network status(include IP address, Subnet mask, Wifi status)
(2)【DHCP】Clicking, DHCP will automatically assign IP for the device.
(3)【Static IP】Need enter static IP address, Subnet mask, Gateway and Server.
(4)【DDNS】Click to enter the Set, choose the corresponding server type and fill in Domain name, Account, Password, check and save, DDNS set finished.
(5)Click【Save】button, saving current settings.
(6)Click【Reset】button, cancel current settings.

4.3.2、Settings-Network-Port as shown in pic 28
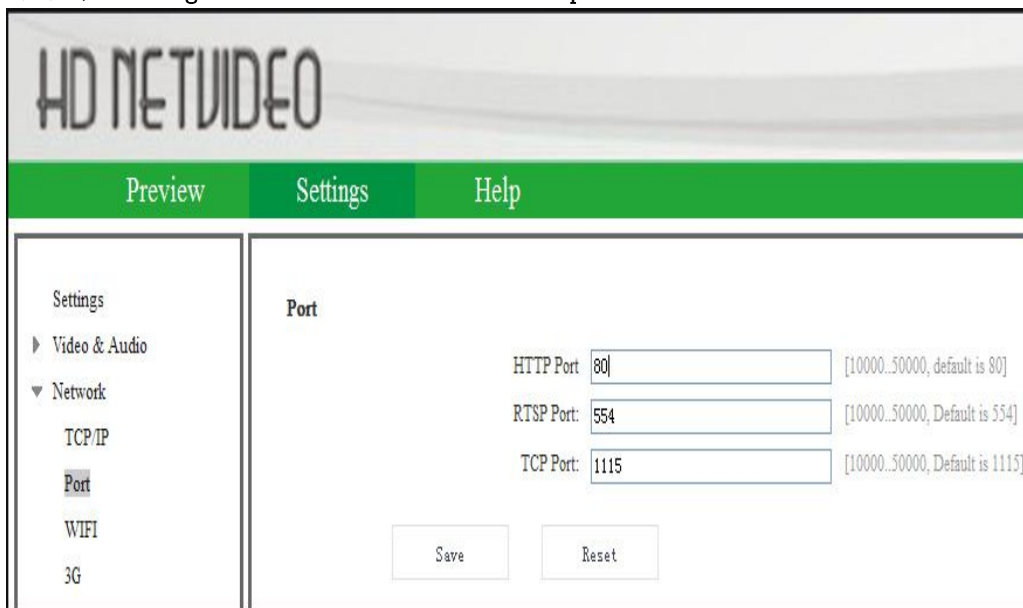
Pic 28 Port Interface

（1）【HTTP Port】is a web visiting port，range（10000-50000），default is 80。
（2）【RTSP Port】is a video port，range（10000-50000），default is 554。
（3）【TCP Port】is a data exchange port，range（10000-50000），default is 1115。
（4）Click【Save】button, saving current settings.
（5）Click【Reset】button, cancel current settings.

4.3.3、Settings-Network-Wifi/3G as shown in pic 29, 30
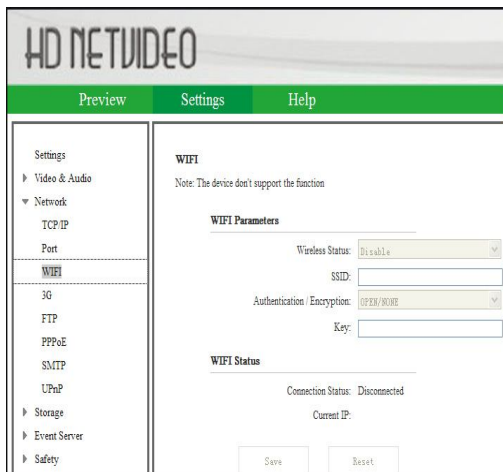
Pic29 Wifi Interface   Pic30 3G Interface
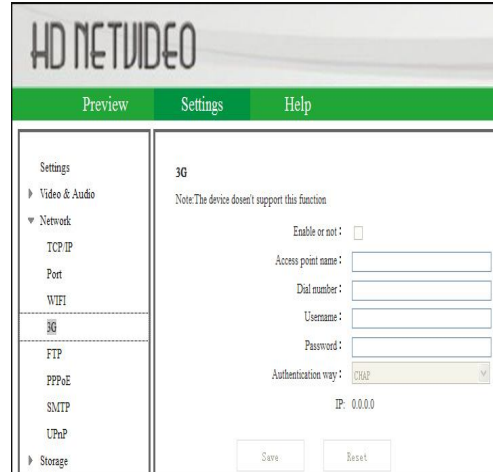
（1）When using Wifi/3G, must enable the wireless status.
（2）Make sure the username, password, number, dot and ID right.
（3）Save, it will show the connection status and current IP address.
（4）Click【Save】button, saving current settings.
（5）Click【Reset】button, cancel current settings.
Note: Setting and using available only when device support this function.

4.3.4、Settings-Network-FTP as shown in pic31
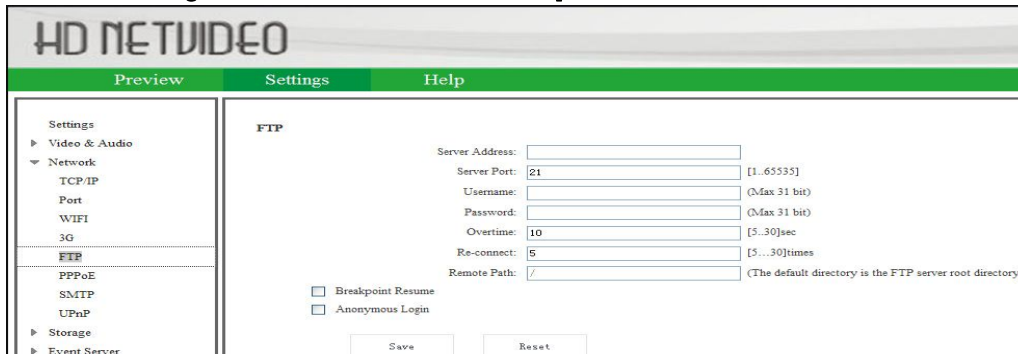
Pic31 FTP Interface

Set up the server address, server port, username, password, path of FTP and save, then you can set information for FTP server.
Click【Reset】button, cancel current settings.

4.3.5、Settings-Network-PPPOE as shown in pic32

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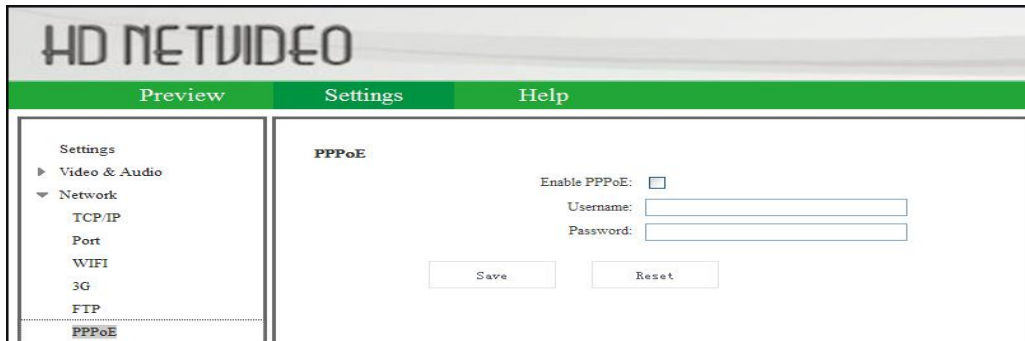
Pic32 PPPOE Interface

(1) When using PPPOE function, must enable it first.
(2) Make sure the username, password right.
(3) Click【Save】button, saving current settings.
(4) Click【Save】button, saving current settings.
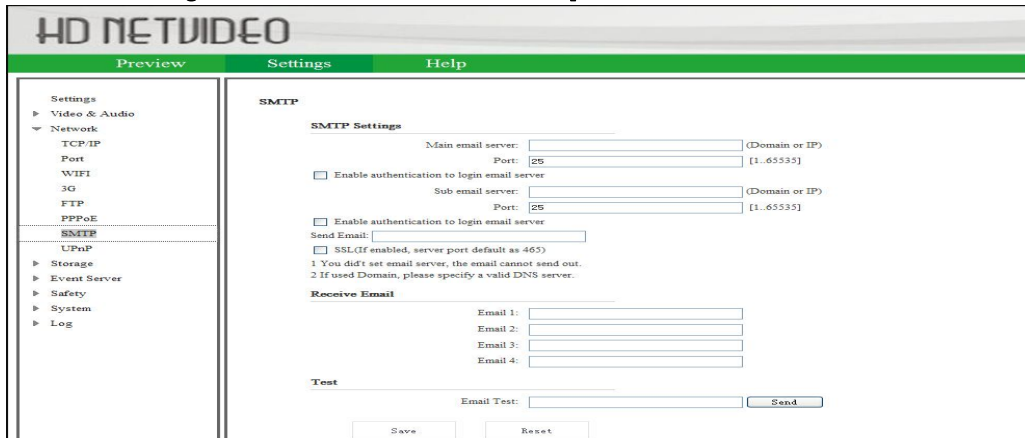

4.3.6、Settings-Network-SMTP as shown in pic33

Figure 33 SMTP interface

(1)【Primary mail server】fill in primary mail server like smtp.163.com.
(2)【primary server port】Email need to fill in the corresponding port, like the 163emial, the port is 25.
(3)【use identity verification】click and expand the window, then login by user name and password.
(4)【start using SSL encryption】If need, click start using directly.
(5)【recipients email】support 4 recipients email.
(6)【test】Set up one email to test if it is ok.
(7) click【save】button, save current settings.
(8) click【reset】button, to cancel current settings.
Note: Email server port, if not sure, please search on internet.
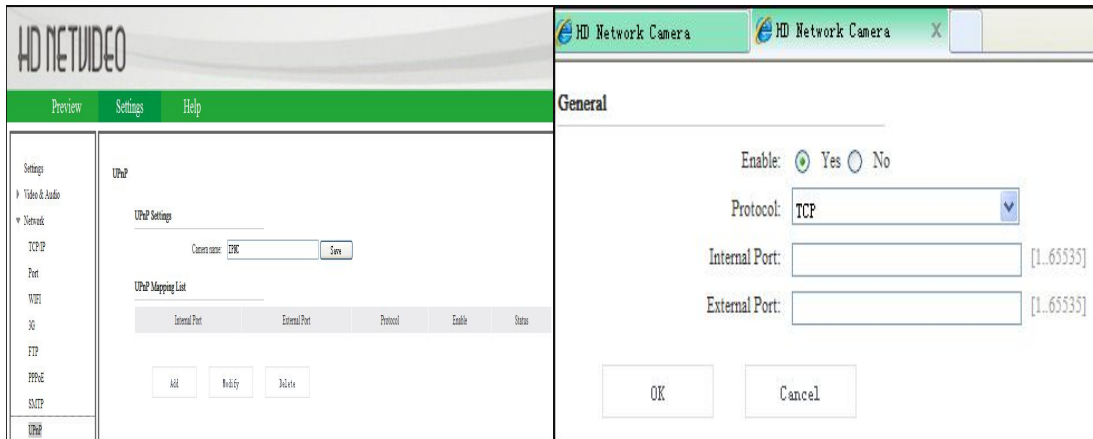

4.3.7、settings -internet-Upnp figure 34

Figure 34 Upnp interface

(1) 【camera name】set up upnp camera name freely.
(2) 【add】click add tag button like figure 34, set up protocol, port and save (done).
(3) 【revise】Revising the port of added upnp.
(4) 【delete】Deleting the port of added upnp.
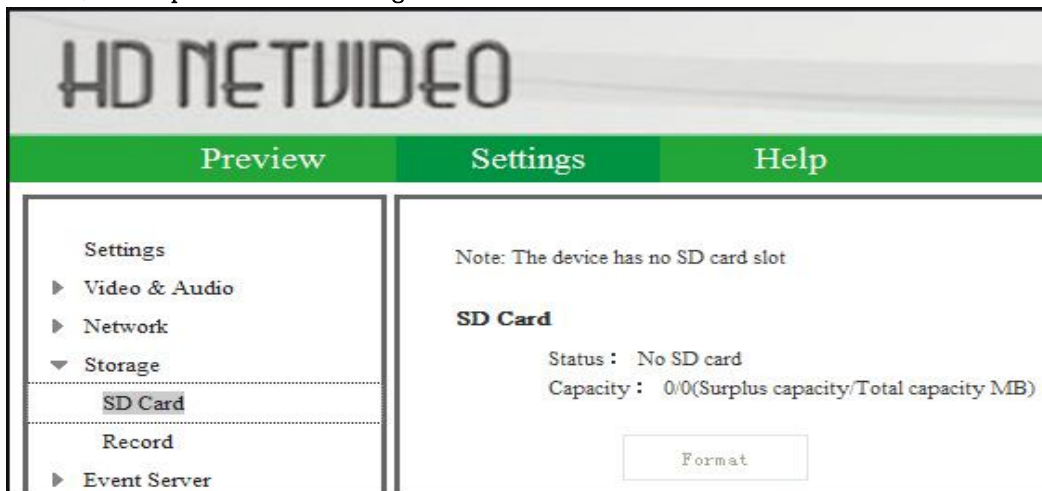
4.4.1、set up – save like figure 35

Figure 35 SD card set up interface

1) on this interface, can check SD card's status, and formatting the SD card.
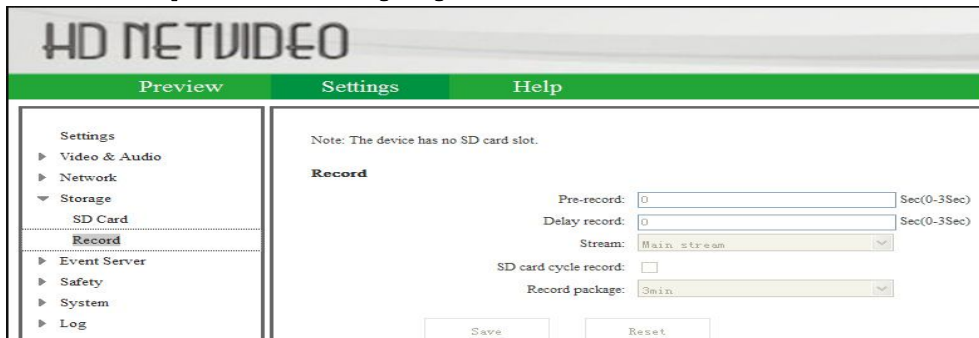Note: if camera without SD card, no this function.

4.4.2、set up-save-recording figure 36

Figure 36 save-recording

（1）【Pre recording time】Pre recording, set up the time rage (0-3s).

（2）【continue recording time】When recording is completed, continue to extend recording time rage(0-3s).

（3）【recording bit stream】Choosing bit stream of the recording camera.

（4）【cycle recording】click cycle recording of SD card.

（5）【video package】packing the video according to the recording time.

（6）click【save】button save the current settings.

（7）click【reset】button cancel current settings.

Note: if camera without SD card, no this function.

4.5.1、set up-events figure 37

figure 37 event server interface

（1）【name】set up TCP server name freely. Like figure 37

（2）【IP address】fill in IP address of TCP server.

（3）【port】fill in TCP port. (the port can not be repeated with others).

（4）【finish】saving TCP information which been added.

（5）【delete】delete TCP information which been chosen.
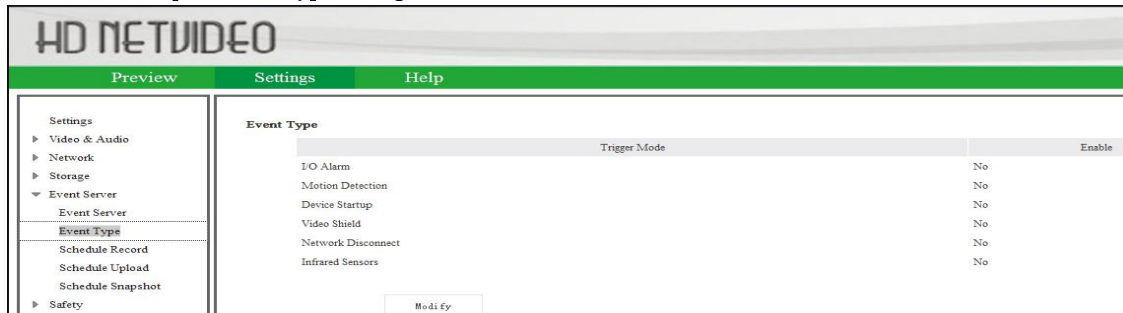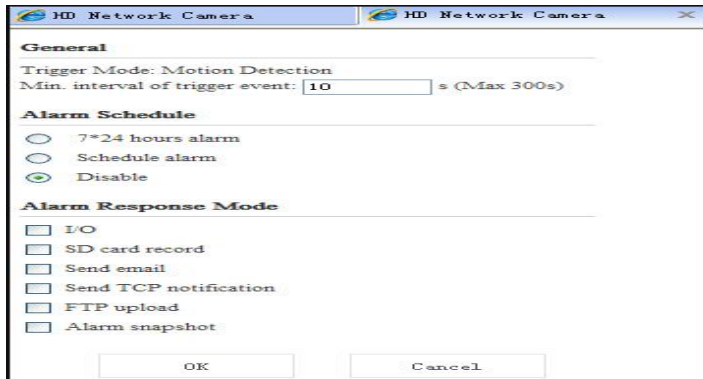
4.5.2、set up-event type Figure 38

Figure 38 event type

1）instruction of opening event as followed figure.

(1) 【the minimum time interval】Time range (1-300s).

(2) 【alarm time table】3 options of 7*24 hours alarm, schedule alarm, Disable.

(3) 【handling methods】6 handling methods for choosing. (can choose multi-types at the same time)

(4) 【finish】Saving the current settings.

(5) 【delete】Delete current settings.

◎Other event：I/O alarm、startup equipment、video shaded、off-line alarm、infrared sensors, the settings are same with motion detection.
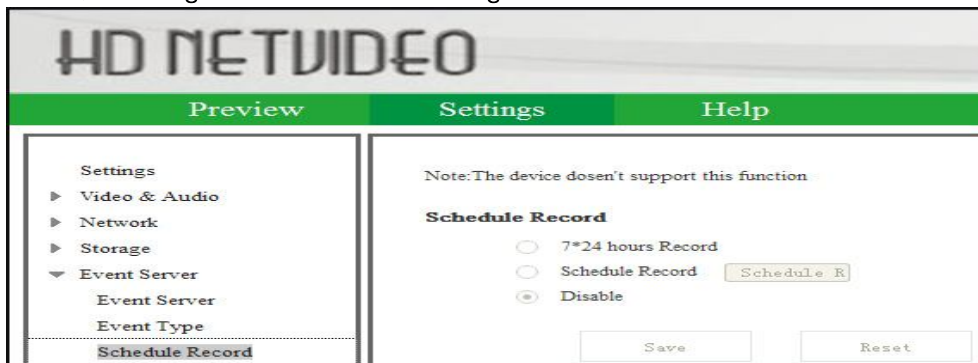
4.5.3、Setting Schedule record Figure 39

Figure 39 timing recording interface

This interface, can set up recording time, 2 options can be chosen.

◎Schedule Upload、Schedule Snapshot, the settings are same with Schedule record. Note: if camera without SD card, no this function.
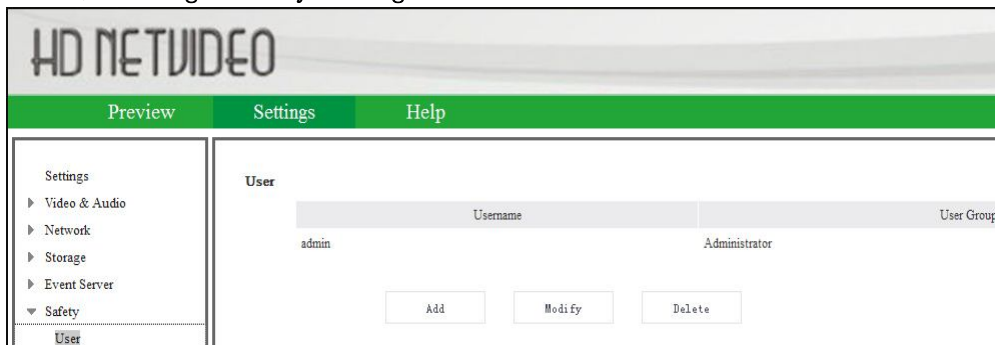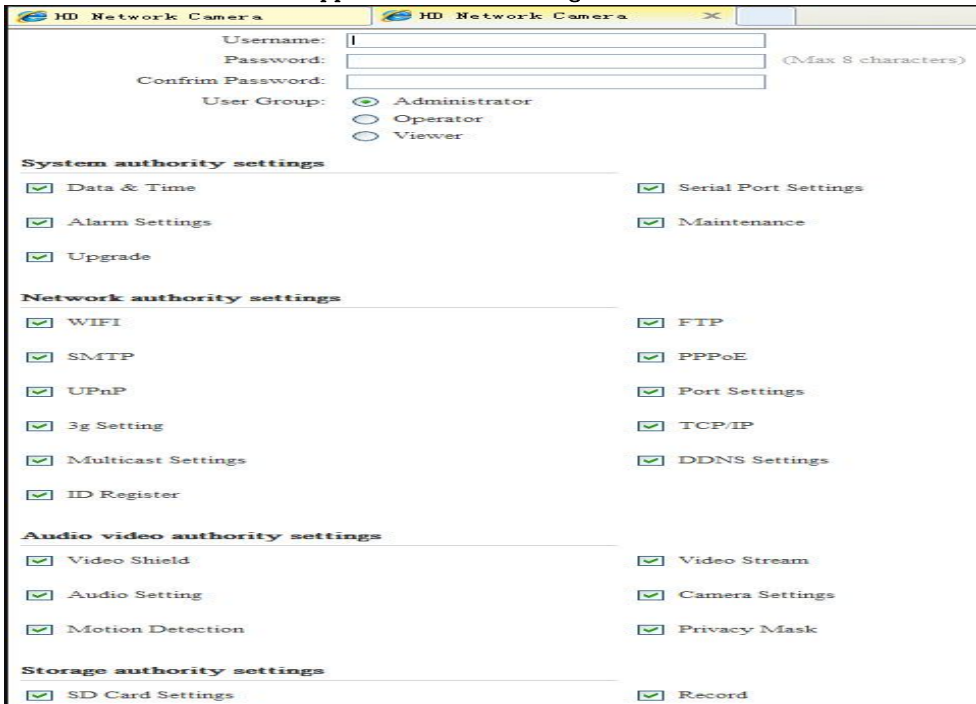
4.6.1、Settings-Safety figure 40

Figure 40 User interface

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1）Click on add will appear the following interface

(1)【Username】Write down the new login username.
(2)【Password】Write down the new login user password and confirm it.
(3)【User group】Provide three options of administrator、operator and viewer.
Note: The authorities of three options are different, setting up according to the demand, of which the administrator is the largest.
(4)【Finishing】To save the current settings.
(5)【Cancel】To delete the current settings.
(4)【Modification】To modify the selected user.
(5)【Cancel】To delete the selected user.

4.6.2、Settings-safety-IP address filtering （as picture 41)
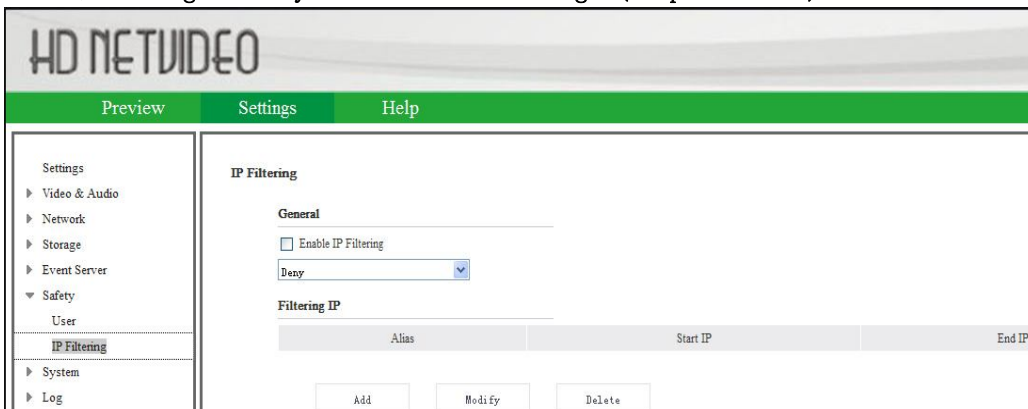
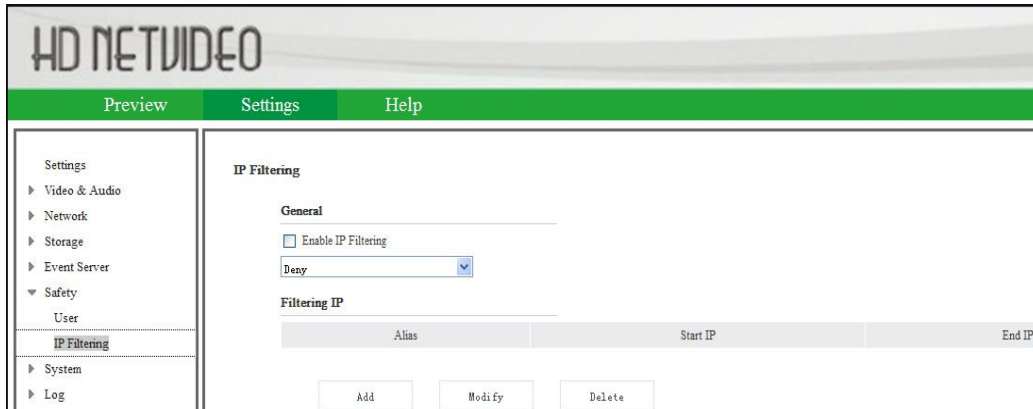Picture 41 IP filtering

(1)【Routine】Please choose it when using IP address filtering.
(2)【Addition】Fill in IP address which needs to be filtered.

（3）【Modification】Modify the existing IP address.

（4）【Cancel】cancel The existing IP address.
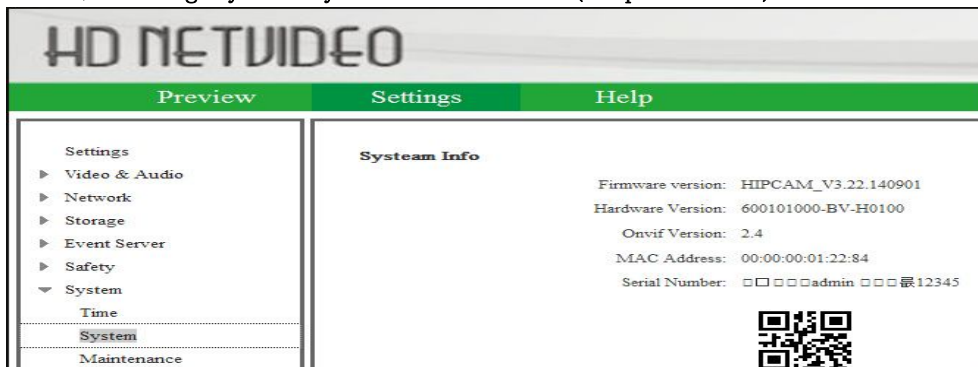
4.7.1、Settings-system (as picture 42)

Picture 42 time setting interface

（1）【Time＆date settings】Fixed display the current date and time，changes according to the Date and time Settings.

（2）【Time zone】Choose corresponding time zone according to different regions, in order to avoid the time error.

（3）【Automatically adjusting the daylight saving time】choose it according to the demand.

（4）【Time pattern】provide three options according to the demand.

（5）【Save】To save the current settings.
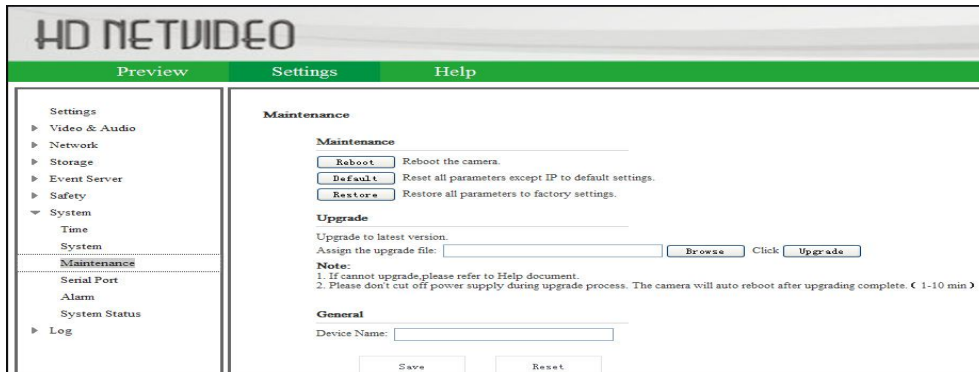
（6）【Reset】To cancel the current settings.

4.7.2、Setting-system-system information (as picture 43)

Picture 43 system information interface

1) This interface fixes the corresponding information of the camera.

4.7.2、setting-system-maintain (as picture 44)

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Picture 44 maintain the interface

(1) 【Reboot】Reboot the camera.
(2) 【Default】Reset all parameters except IP to default settings.
(3) 【Restore】Restore all parameters to factory settings.
(4) 【Upgrade】conduct the software upgrading of the camera.
(5) 【General Setting】Name the camera and which will display underneath the camera image.
(6) 【Save】To save the current settings.
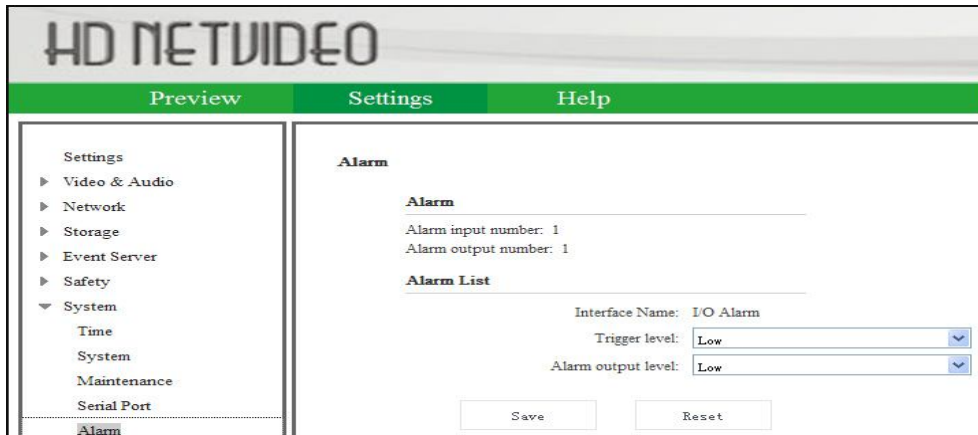(7) 【Reset】To cancel the current settings.

4.7.3、Setting-system-serial port (as picture 45)
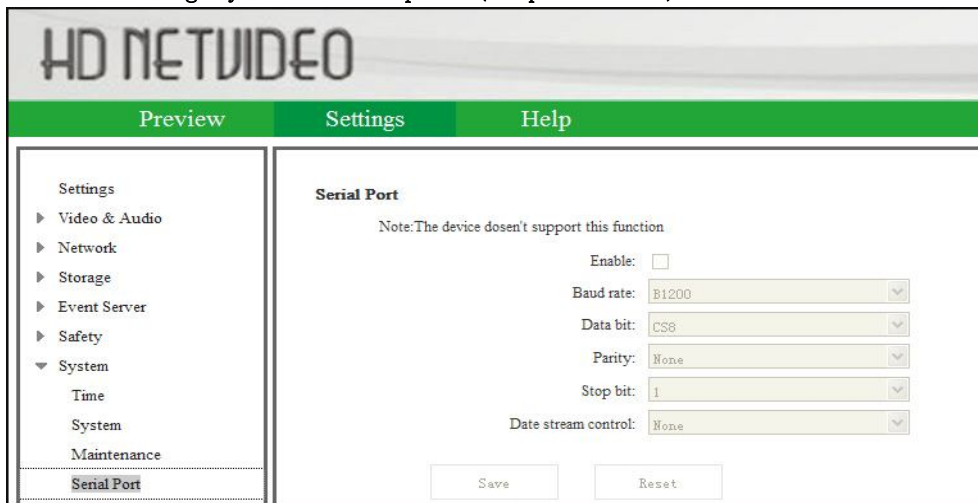
Picture 45 serial port interface

1) To control the speed dome camera.
　Note:You can't set up the window if camera is not the speed dome camera.

4.7.4、Setting-system-alarm (as picture 46)

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Picture 46 alarm interface

（1）【I/O alarm setting】Display alarm input & output number.

（2）【Alarm setting list】Set the requirements of alarm output level.

（3）【Save】To save the current settings.

（4）【Reset】To cancel the current settings.

4.7.4、setting-system-system state

1）This interface fixes the corresponding information of the camera.

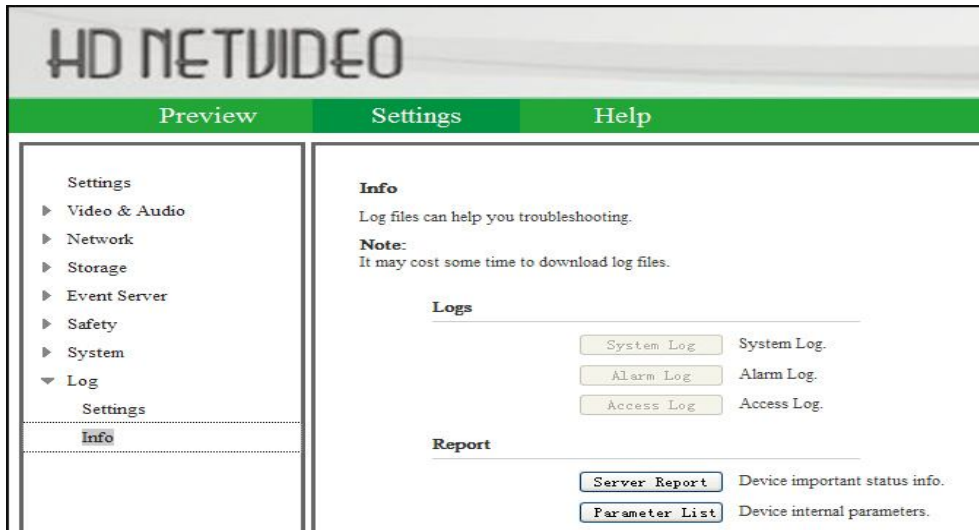4.8.1、Setting-Log Picture 47
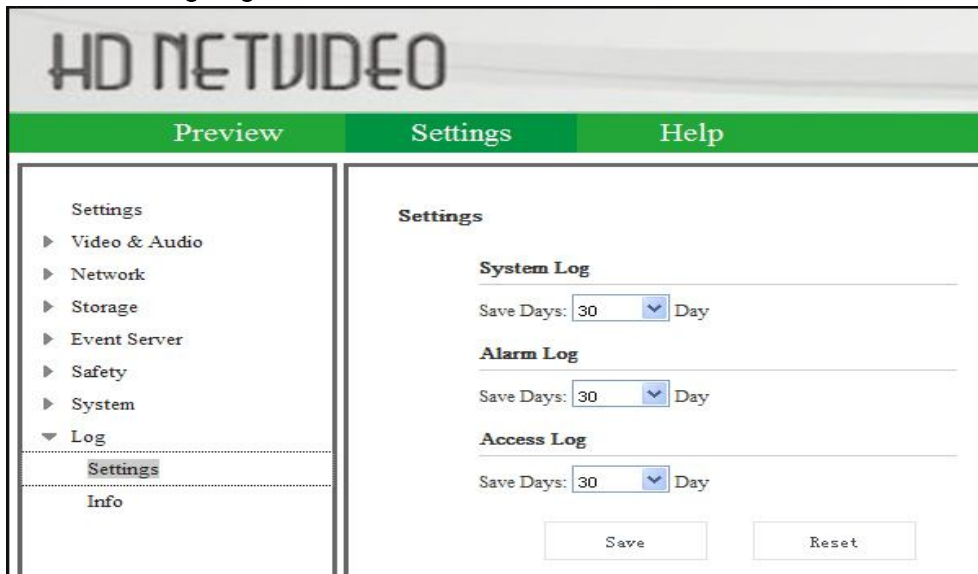
Picture 47 The log configuration interface

（1）【System Log】Save days（10~60 days）。

（2）【Alarm Log】 Save days（10~60 days）。

（3）【Access Log】Save days（10~60 days）。
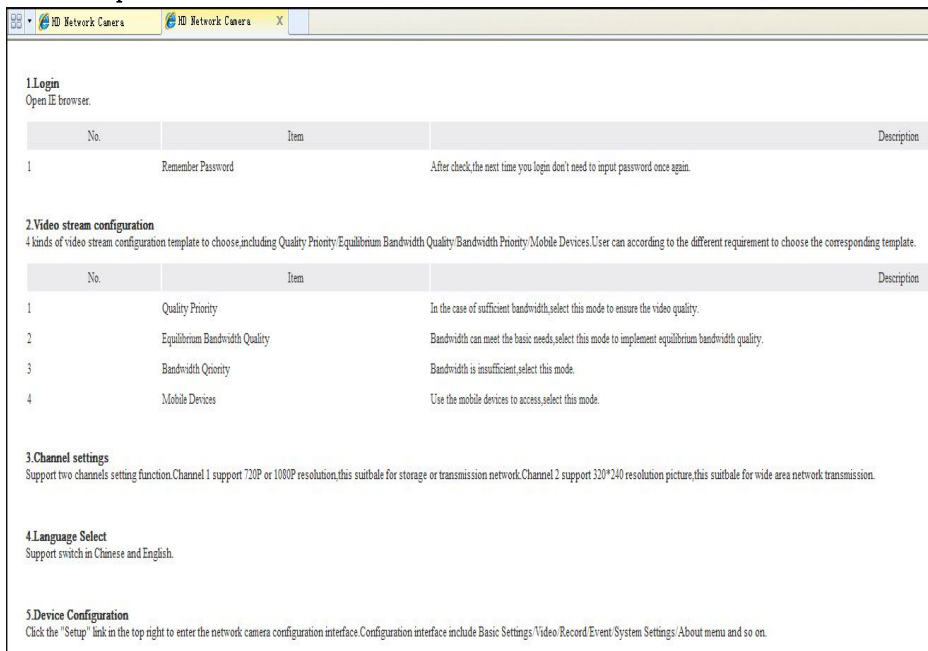
（4）【Save】

（5）【Reset】

4.8.2、Settings-Log-Log information Picture 48

Picture 48 Log information

(1)【System Log】Examine the system log.

(2)【Alarm Log】Examine the Alarm log.

(3)【Access Log】Examine the visiting log.

(4)【Sever report】Display the sever important information.

(5)【Parameter List】Display the parameter information。

Remark： only for Camera log。

4.9、Help Picture49

Picture 49 Help interface

1) Show some native parameters and operating instructions。

Description: if any questions, errors in this manual, please contact with our company after-sales department or technical support, thank you.