

Professional Full HD IP Camera & Professional HP IP NVR



Cameras

NVR's

IE Browser Operating Instruction

Thank you for purchasing from Xvision Pro HD.

Please ensure that you read and understand this Instruction Guide before operating the camera.

Please store this Instruction Guide in an easily accessible location.

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Safety Precautions

- 1. Do not install the equipment in an environment with too much moisture, dust or smoke dust as this may result in fire or electric shock.**
- 2. In the unlikely event that the equipment should malfunction and emit an abnormal smell or smoke, please immediately stop it, shut off the power and contact your supplier.**
- 3. Please do not place this equipment near a heat source to avoid risk of fire.**
- 4. Please do not store, install and use this product in danger areas with inflammable or explosive substances.**
- 5. Please make sure the power is turned off when installing the product.**
- 6. Please ensure that you install the camera in an area with good ventilation.**
- 7. When installing the camera, please make sure that it does not face any objects giving out strong lights as this will damage the CCD of the camera.**
- 8. Please do not use the camera in an environment where temperatures that exceed either -20°C to +55°C.**

1. Introduction

This guide is for the XC/XRN IE Browser menu.

It is recommended that the units are setup and tested before being mounted or installed.

Please note that as of February 2014 all of the XRN/XC units only support Internet Explorer and the CMS software. New firmware is in the final beta stages to support all browsers, this will be available on website and will already be loaded to cameras purchased in May 2014.

These instructions are for guidance only detailed information is in accordance with the product. The instructions may include some technical inaccuracies or typographical errors, these will be corrected in future updates.

The product or procedures described in the instructions may be changed or updated at any time without prior notice. Screenshots used in the instruction are only for indications and explanations.

This guide continues from the XC/XRN Quick setup guide, please make sure you have read that before continuing this guide.

2. Recap

Once you have set the IP address, amended our Active X controls and installed them, viewed the XC IP camera on our Browser, you can now go through all the menu options.



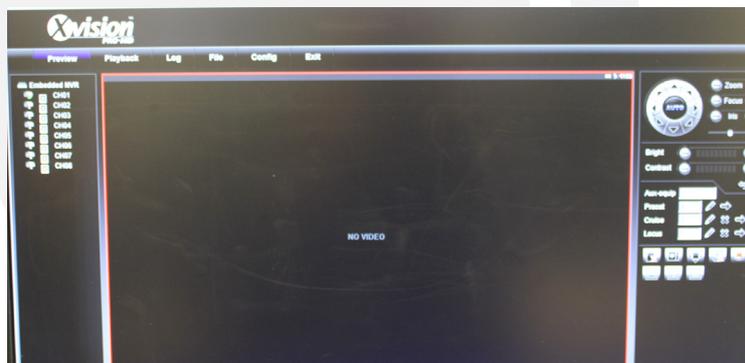
Navigate back to your XC/XRN device, <http://192.168.1.100> that we previously setup.

Input user name: admin (default setting)

Input password: no password

Select language:

Click [Submit], as shown below:

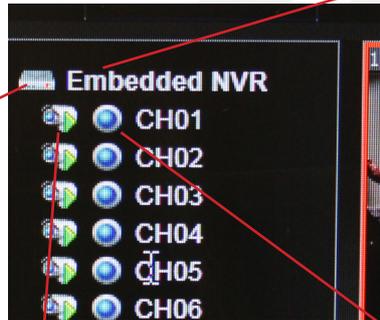


3. Preview

Now you will notice that you have no image just a black screen, you will need to press the Open button as described below.

3.1 Open/Close Preview

Click to open all the sub streams



Click to open all attached devices

Click to open a single device sub stream

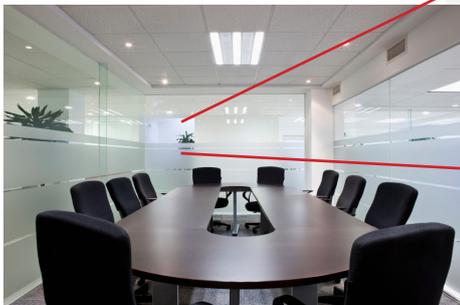
Click to open a single device

3.2 Full-screen Preview

Click the full-screen icon  in the lower right corner to preview in full screen. In the preview window, right click (or Esc key) to exit from full screen display.

3.3 Electronic Zoom-in

Use your mouse to select the preview channel to be zoomed in by scrolling the mouse wheel, as shown below:



3.4 PTZ Control



PTZ control: 8 directional keys to rotate front-end devices, and AUTO indicates auto-rotation.

Zoom in/out: Adjust the degree of zooming in/out

Focus: Adjust the size of focus

Aperture: Adjust the size of aperture

Speed: Use the slider to regulate the PTZ speed



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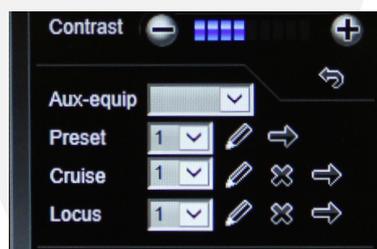
Bright: Adjust the brightness of the screen

Contrast: Adjust the contrast of the screen

Saturation: Adjust the saturation of the screen

Hue: Adjust the hue of the screen

The  arrow is used to restore default settings.



Set a preset point] Set a preset point by using direction keys on the PTZ control to rotate the camera to the desired location, and then select a preset number from the “preset point” drop-down list and then pressing

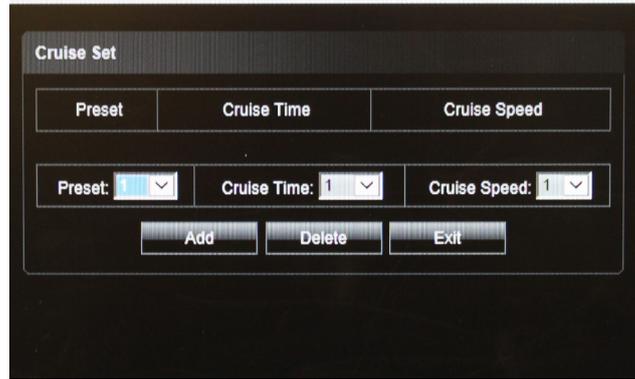
 button.

[Call a preset point] Call a preset point by selecting a preset number to be called from the “preset point” drop-down list and pressing  button.

[Set a cruise] Select a cruise number from the “cruise” drop-down list and press  button.

The screen will then display and click ‘cancel’ after setting to exit from this screen.

In the “cruise” setting page, select preset point, cruise time and cruise speed and then click “Add” button to add the preset point for the cruise path (you can add several preset points). Click “Delete” button to delete a preset point.



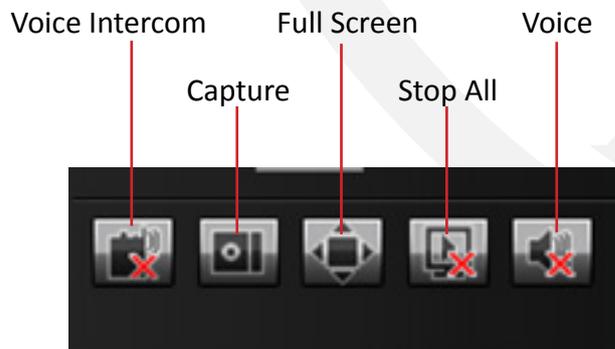
Call a Cruise - Call a cruise by selecting a cruise number from the “cruise” drop-down list and then clicking  button.

Delete a cruise- Delete a cruise by selecting a cruise number from the “cruise” drop-down list and then clicking  button.

Set a locus - Select a locus number from the “Locus” drop-down list and click “enable locus memory”  button. Then perform PTZ controls, and click “disable locus memory”  button. The locus is memorized.

Call a locus - Call a locus by selecting a locus number from the “Locus” drop-down list and clicking  button.

Delete a locus - Delete a locus by selecting a locus number from the “locus” drop-down list and then clicking  button.



Voice Intercom - Click it to enable or disable voice intercom

Capture - Capture for preview. Click it to pop up its storage path automatically.

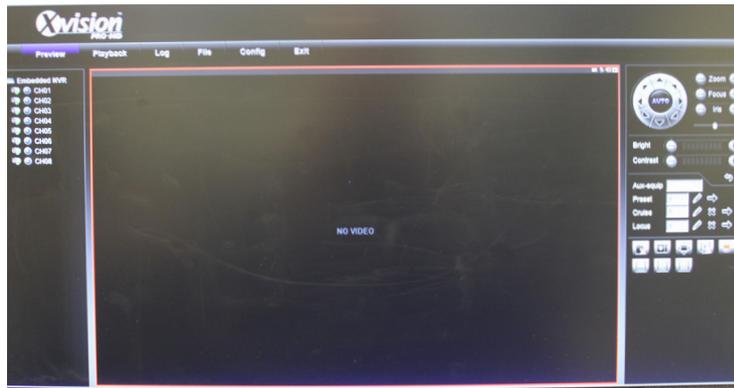
Full screen - Display the current preview in full screen

Stop all - Stop all current previews

Voice - Enable / disable front-end voice

Please Note: X indicates it is off or disabled

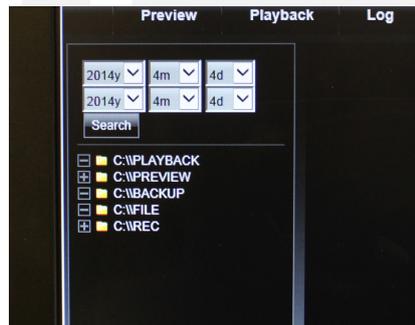
4. File Management



4.1 Search

Select the start time, and click the  button, the lower part displays searched images and videos (double click to display files).

Please Note: You can change video or image storage path, which will be detailed later.



4.2 Review Playback Image

To review playback images under the C:\Program Files\PLAYBACK directory, double click the file.

Please Note: The front end device should support SD card storage to enable this function

4.3 View Preview Image

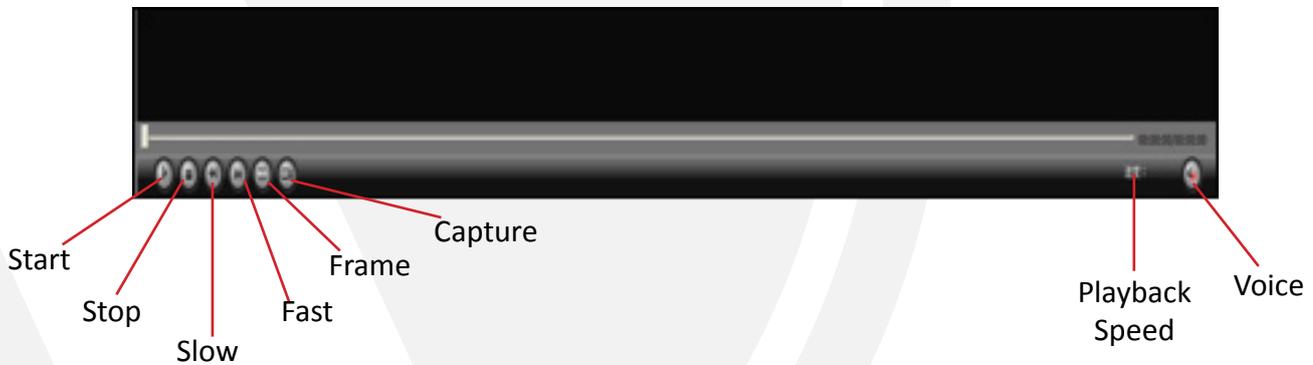
To review preview images under the C:\Program Files\PREVIEW directory, double click the file, as shown below.



4.4 View Backup File

To review playback video files under the C:\Program Files\BACKUP directory, double click the file, as shown below.

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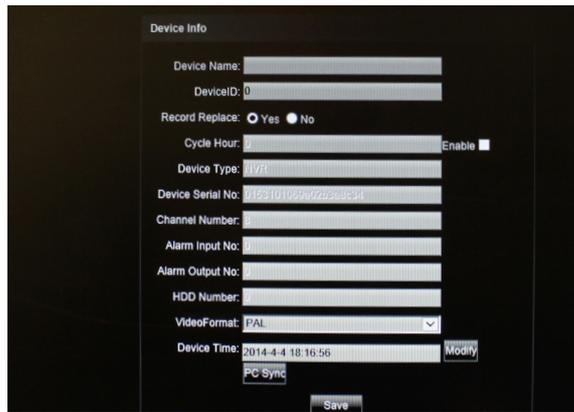
Please Note: The device should support SD card storage to enable this function.

4.5 View Images in File Management

To view files in file management, go into the C:\Program Files\FILE directory and double click it.

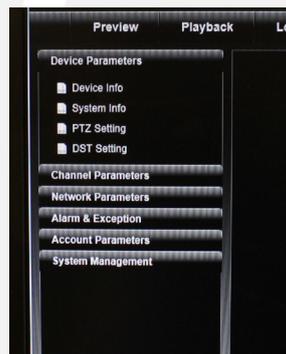
Please Note: the device should support SD card storage to enable this function.

5. Parameter Settings



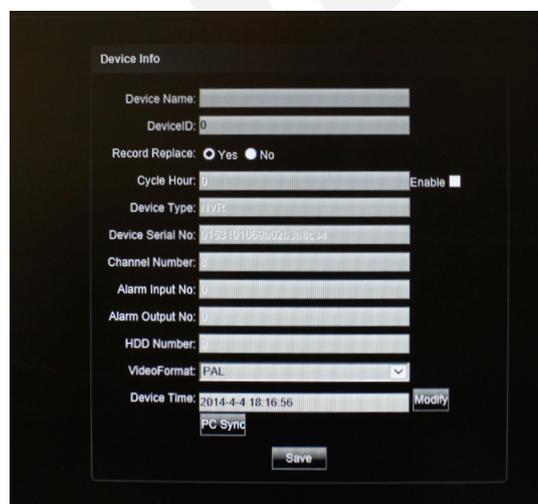
5.1 Device Parameters

Click parameter to display [Device info], [RS232], [Decoder] and [DST setting] options, as shown below. These options can be different depending on the device you are accessing.



5.1.1 Device Info

To view and edit basic information of the device.



5.1.2 RS232

This option allows you to set the RS232 parameters.

Device Info

Device Name: _____

DeviceID: 0

Record Replace: Yes No

Cycle Hour: _____ Enable

Device Type: _____

Device Serial No.: _____

Channel Number: _____

Alarm Input No.: _____

Alarm Output No.: _____

HDD Number: _____

VideoFormat: PAL

Device Time: 2014-4-4 18:16:56 Modify

PC Sync

5.1.3 PTZ Setting

The decoder option, allows you to set the RS485. (Combined with the PTZ)

PTZ Setting

Channel: CH1

Bits per second: 2400

Data Bits: 8

Stop Bits: 1

Parity: None

Flow Control: None

Protocol: PELCOD

PTZ address: 1 Copy To

Save

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5.1.4 DST Setting

DST Setting

Enable

From: _____

To: _____

DST Bias: _____

Save

Here you can enable and set the DST parameters.

5.2 Channel Parameters

5.2.1 Display Settings



Channel No.: Change a channel No.

Channel Name: Modify the name of a specific channel

Time Format: Change a time format of a specific channel

Date Format: Change a date format of a specific channel

OSD location: Set the name and time of a specific channel

Parameter Adjustment: Adjust the brightness, contrast and saturation

Copy: Copy set parameters to other channels

5.2.2 Video Settings

Channel No.: Change a channel number (the webcam has only one channel)

Encoding type: Normal record, network record or event record

Stream type: Complex stream and video stream

Resolution: Displays resolution types supported by front-end Network camera

Bitrate type: Constant bit rate or variable bit rate

Max bitrate: Set different code rate for different channels

Frame rate: Select different value from the drop-down list. FULL is used by default.

Video quality: Select different video qualities as required. "Highest" is used by default.

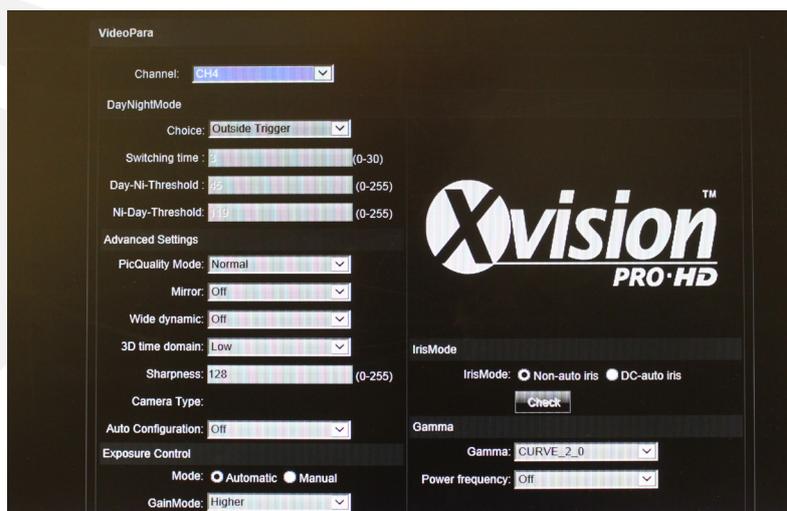
Frame type: Select different frame types

I frame interval: Set I frame interval

Please Note

Change of "video settings" will directly change front-end Network camera parameters.

5.2.3 Video Parameters



Current Channel: Select a different channel number

Day/night auto switch: Externally triggered, auto, color, black/white, day/night switching (0-30) is completed in 3 seconds by default. For non-IR web models, the auto option is used by default. For IR web models, “externally triggered” is used by default. A user can select a day/night switch mode according to models and operating environment.

Image Mode: Standard, bright, natural. Standard is used by default

Auto Gain: Low, medium and high. Medium is used by default. The higher the auto gain is, the higher the sensitivity in low illumination level will be. However the noise is level will be higher.

White Balance: Auto, indoor, outdoor. Auto is used by default. The user can switch modes according to its working scenario.

Image: Normal, level, vertical, 180°. Normal is used by default

Backlight Compensation: Off, BLC, HBLC. OFF is used by default. For BLC, Black Light Compensation is enabled, while for HBLC, strong light inhibition is enabled

Shutter Mode: Auto, flicker, 1/30(25)-1/5000, X2-X30. Auto is used by default.

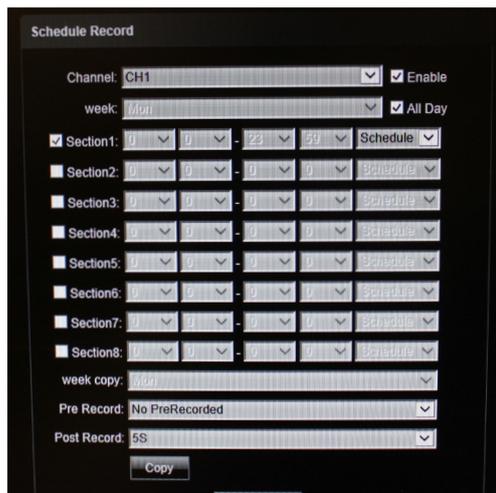
Lens Aperture: Auto and manual

Sharpness: On and off, 0-100 adjustable. On is used by default with its value being 80

3D noise reduction: On and off, 0-100 adjustable. ON is used by default with its value being 25.

This option is not supported on all devices.

5.2.4 Schedule Record



Channel No.: Change a channel No.

Enable: Check Enable/Disable

All day: If it is checked, it is recorded all day

Week: Select a different week day

Time Section: Set different types of records in 8 sections for a day

Week Copy: Can copy set parameters to other weeks

Pre-record: Set the pre-record time to trigger event record

Post-record: Set the post-record time to trigger event record

Copy: Copy set parameters to other channels

Please Note

The device should support SD card storage to enable this function.

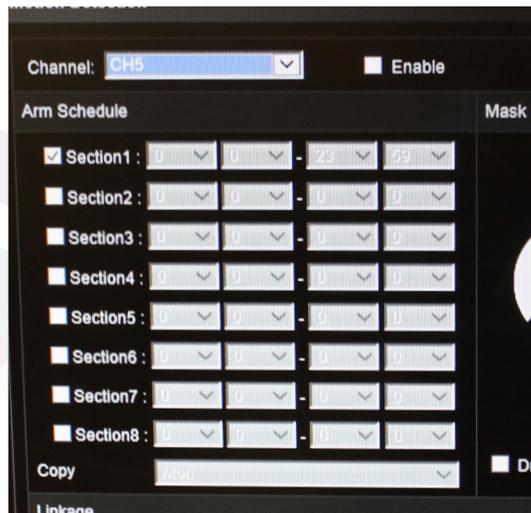
5.2.5 Motion Detection

On the “Video Tampering” page, select a channel number for which the mask alarm is enabled. Check the “Enable” box and then select the week to be armed.



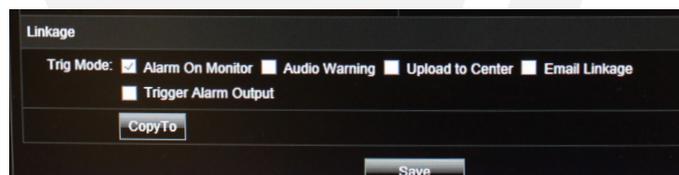
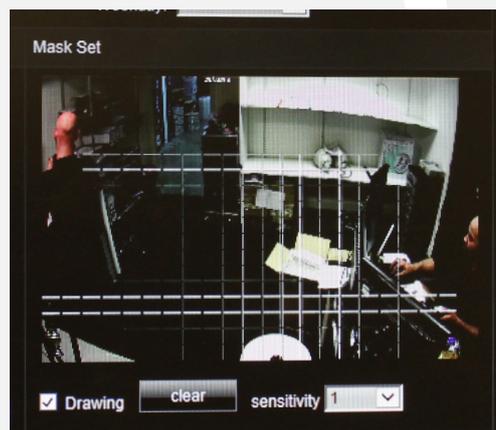
Arm schedule:

You can set 8 sections of arm schedule, and then copy them to each week.



Settings on motion detection area:

1. Check “Drawing” to select the area to be detected
2. Click “Clear” to clear the designated area for the current channel
3. Sensitivity: the higher the sensitivity is, the better the motion detection effect is.



Linkage

1. **Alarm on monitor:** View alarm information on the monitor
2. **Audio Warning:** The device gives warning sound
3. **Upload to Centre:** View alarm information in the control center
4. **Email Linkage:** After an alarm is triggered, it will send an email to the designated email address
5. **Trigger Alarm Output:** Trigger related alarm device

5.2.6 Video Tampering

On the “Video Tampering” page, select a channel number for which the mask alarm is enabled. Check the “Enable” box, and then select the week to be armed, as shown below:



Arm schedule

You can set 8 sections of arm schedule and then copy them to each week, as shown below:



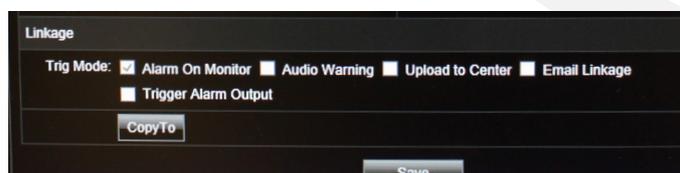
Mask set

Check “Drawing” to set the area giving mask alarm and adjust the sensitivity, as shown in the following figure.



Linkage

Choose a linkage mode if an alarm is triggered, as shown below.



5.2.7 Video Mask

On the Video Mask page, select the channel No. to enable mask alarm and then check “Enable”.



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5.3 Network Parameters

5.3.1 Network Settings

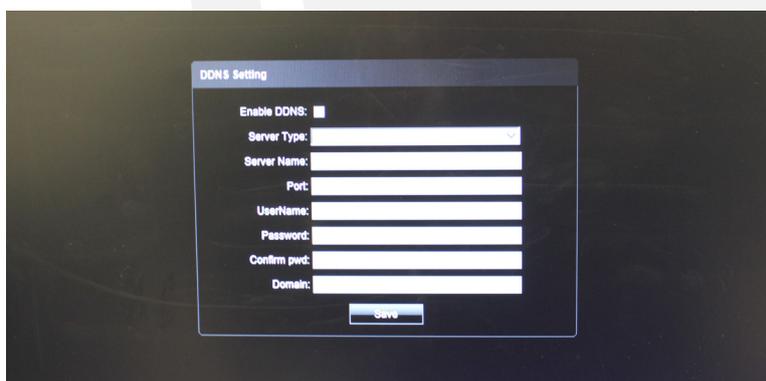
CardNo: 1	DNS Server Adr 2: 202.210.255.255
NIC Type: 1000M Full-Dup	DefaultRoute: 1
IP address: [] DHCP <input checked="" type="checkbox"/>	Enable UPnP: <input type="checkbox"/>
Device Port: 5050	Alarm host IP: []
NetMask: []	Alarm host port: 0
GateWay: []	Enable PPPOE: <input type="checkbox"/>
MAC: []	PPPoE UserName: []
HTTP Port: 80	Device dynamic adr: []
Https Port: 4433	PPPoE Password: []
Multicast: 255.255.1.0	Confirm Pwd: []
DNS Server Adr 1: 87.194.255.155	

1. **NIC Type:** Select a NIC type as required.
2. **IP Address:** Input IP address.
3. **Auto Config:** If this is enabled, the device will auto gain a valid IP address according to DHCP of the router.
4. **Device Port:** Input the device port number.
5. **Subnet Mask:** Input the subnet mask corresponding to this IP address.
6. **Default Gateway:** Input the related gateway address.
7. **MAC:** Display the physical address of the current network interface.
8. **HTTP Port No.:** Input the related port No. (80 by default)
9. **Multicast:** Input the related multicast address.
10. **DNS Server Adr 1:** IP address of DNS server.
11. **DNS Server Adr 2:** IP address of DNS server.
12. **Alarm Host IP:** Input the IP address of the alarm host.
13. **Alarm Host Port:** Input the port No. of the alarm host.
14. **Enable PPPOE:** Check it to enable this feature. When enabled, you will be need to fill in the following;
Input PPPOE user name.
Input device dynamic address.
Input PPPOE password.
Confirm password.
15. **Enable UPNP:** If this option is enabled, device port and HTTP port will automatically be mapped into the router.

5.3.2 DDNS Settings

DDNS is implemented through a dynamic domain resolution server. It requires a PC with fixed IP address on the Internet, which the dynamic domain resolution server runs. This is covered in more detail in our DDNS guide.

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1. Select DDNS server type (Ipserver, Dyn dns, PeanutHull and 3322, currently, only 3322 is supported)
2. Input server name. For example, member.3322.org
3. Input port No.
4. Input user name.
5. Input password.
6. Confirm password
7. Input spare domain.

5.3.3 NTP Settings

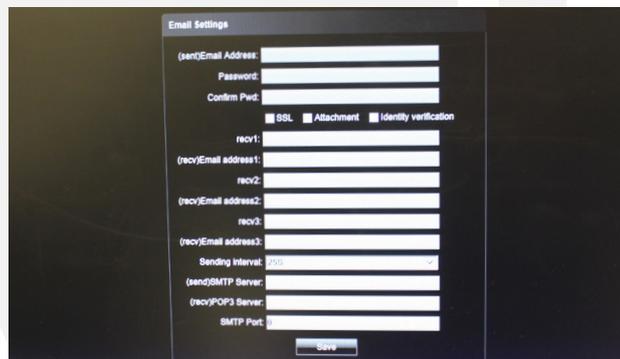


1. **Input Server Address:** IP address of NTP server.
2. **NTP Port:** Only TCP transmission is supported by SNTP. The port number is 123 by default.
3. **Synchronize Every:** Input the time interval to be adjusted.
4. **Select Time Zone:** Optional time zone.
5. **GMT:** Change the the time.

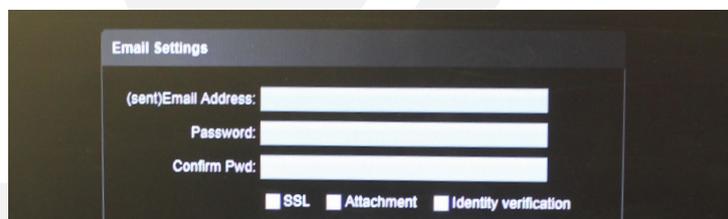
5.3.4 Email Settings

These details will need to come from your ISP or you system administrator.

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Outbox Settings



1. **Email Address:** Input the address of the outbox
2. **Password:** Input the password of the outbox
3. **Confirm Password:** Confirm the password
4. **Attachment:** Capture when attachment alarms
5. **Identity Verification:** Verify before sending an email

Inbox Settings

Please note that you can set 3 receiving email at most.

Adjusting Server Settings

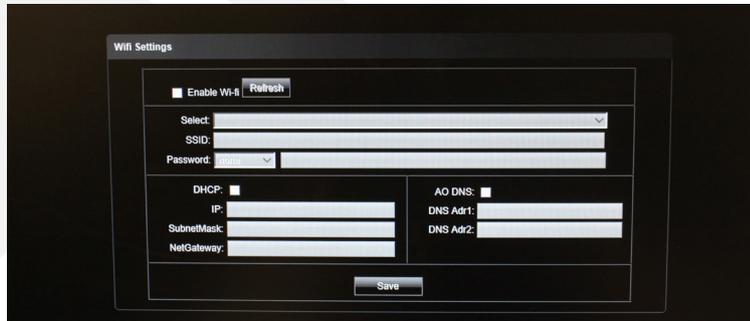
1. **Sending Interval:** Set the interval time to send an email
2. **SMTP Server:** Set the address of the smtp server for the sending email
3. **POP3 Server:** Set the address of the pop3 server for the sending email
4. **SMTP Port:** Set the port No. of the smtp server for the sending email

5.3.5 3G Settings

Connect to an external 3G device to enable 3G features. Select a device type, input phone number and then select work state. Finally, click “Save”, as shown in the figure below.

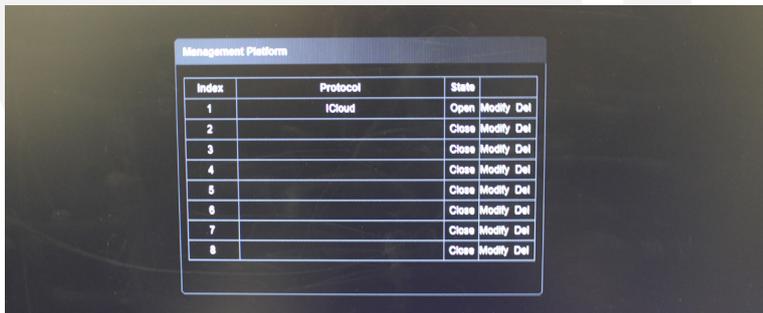
5.3.6 WiFi Settings

Connect to an external WiFi device, enable WiFi features and click refresh and the device will automatically search the wireless network. Then, input related parameters and click “Save”, as shown in the following figure.



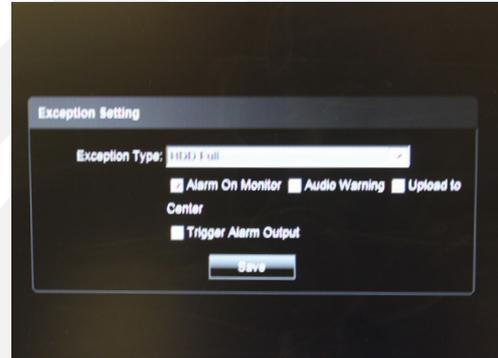
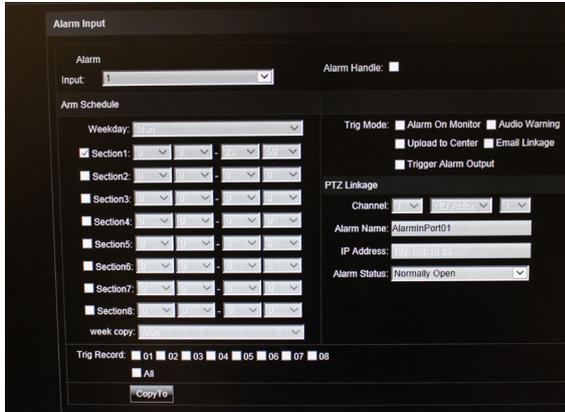
5.3.7 Management Platform

This option is for internal use and will allow you to integrate with other platforms in future firmware updates.



5.4 Alarm & Exception

5.4.1 Alarm Input



1. Select the alarm No. for alarm input
2. Select alarm status “Normally open/normally closed”
3. Alarm schedule
4. Select linkage mode
5. Set linkage PTZ (such as preset point, cruise and locus)

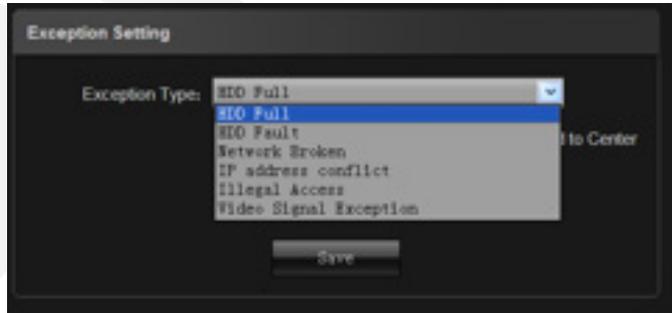
5.4.2 Alarm Output



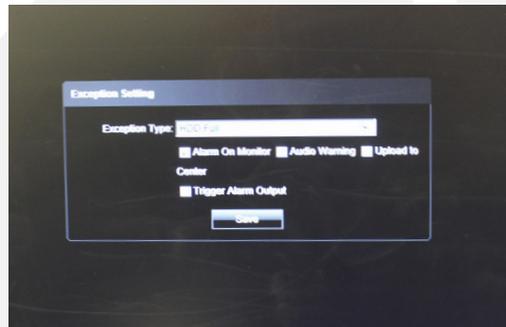
1. Select the alarm No. for alarm output
2. Select the delay for outputting an alarm (when the alarm finishes, the alarm will output at the delayed time)
3. Alarm schedule
4. Copy set parameters to the related week day

5.4.3 Exception Setting

This option will allow you to set an alarm 'beep' or error message on screen when any the following occur; HDD full, HDD fault, network broken, IP address conflict, illegal access and video signal exception.



Their corresponding linkage modes are shown in the following figure;



5.5 User Info

5.5.1 User Management

User Info				
UserName	Priority	IP combine	MAC combine	Operation
admin	Admin	0	0:0:0:0:0	Modify Del Rights
default	Guest	0	0:0:0:0:0	Modify Del Rights

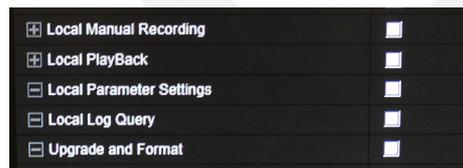
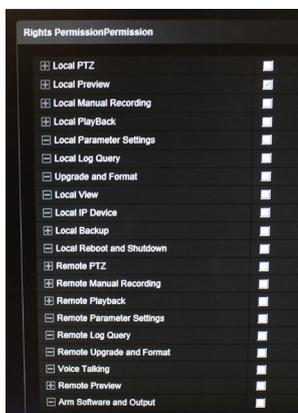
Add User

Admin is the administrator (default).

Default indicates general users with permissions authorised to default users (default).

1. Click [Add] to add a user, as shown in the following figure.

2. Click [RightsPermission] to assign permission to the new user, as shown below.



3. Click [Delete] to delete the new user.

5.5.2 Online User

No	UserName	Login Type	Login Time	IP
1	admin	Local	2014-04-04 18:16:34	
2	admin	Remote	2014-04-04 18:08:47	192.168.10.111
3	admin	Local	2014-04-04 17:50:27	
4	admin	Remote	2014-04-04 17:47:25	127.0.0.1

The online user section will display the current online user information.

5.6 System Management

5.6.1 System Update

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Click the related update package to locate the system update and click 'Update'.

5.6.2 Auto Reboot

Selecting 'maintenance mode' and 'maintenance time', the device will reboot according to the designated mode.

5.6.3 Stream Info

CH	Main Stream	Sub Stream	Main Stream	Sub Stream
1	4256(kb/s)	1134(kb/s)	1870(MB/H)	498(MB/H)
2	4448(kb/s)	1133(kb/s)	1954(MB/H)	497(MB/H)
3	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
4	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
5	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
6	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
7	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)
8	0(kb/s)	0(kb/s)	0(MB/H)	0(MB/H)

Refresh

To view information about main stream and sub stream of current channels.

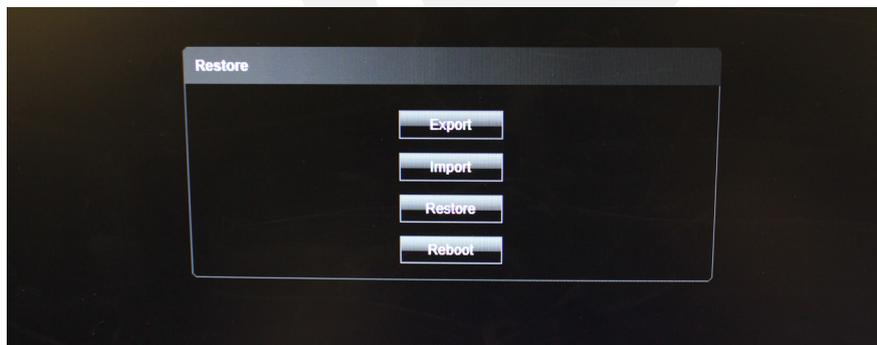
5.6.4 HD Disk

HDD No	Capacity(MB)	Free Space(MB)	Status	Type

Format

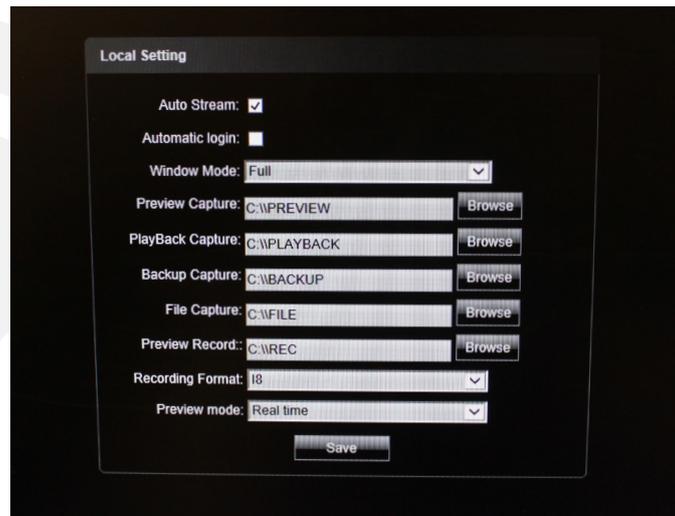
To view its capacity and free space, as well as to format it.

5.6.5 Restore



1. **Export:** Export all configurations to PC or USB
2. **Import:** Import selected configuration to the system
3. **Restore:** Restore default settings
4. **Reboot:** Restart the system

5.6.6 Local Setting



1. **Auto Stream:** If it is checked, the sub stream is connected for small screen, and the main stream is connected for large screen.
2. **Window Mode:** Set the aspect ratio of the preview window (filling, 4:3, 16:9)
3. **Preview Capture:** Modify the path of the preview capture
4. **Playback Capture:** Modify the path of the playback capture
5. **Backup Capture:** Modify the path of the backup capture
6. **File Capture:** Modify the path of the file capture

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5.7 Exit

Closes your session and takes you back to the login page.

Manufactured exclusively for:

 **Xvision**TM
PRO-HD

www.xvision.com



TECHNICAL SUPPORT

For technical support, please contact your local distributor.

LIMITED WARRANTY

This product is supplied with a 12 month warranty. The warranty excludes products that have been misused (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

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