

Professional HD IP NVR



User Guide

Thank you purchasing the XRN HD IP NVR from Xvision Pro HD.

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

Please store this User Guide in an easily accessible location.

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SAFETY INSTRUCTION

- Check the input voltage (AC100V–AC240V) to the power supply module before connecting it.
- 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.
- In the unlikely event that the equipment should malfunction and emit an abnormal smell of smoke, please immediately stop it, shut off the power and contact your supplier.
- Please do not place this equipment near a heat source to avoid risk of fire.
- Please do not store, install and use this product in danger areas with inflammable or explosive substances.
- Please make sure the power is turned off when installing the product.
- Please ensure that you install the NVR in an area with good ventilation.
- Please do not use the NVR in an environment where temperatures that exceed either -20°C to +55°C.

Chapter 1 Overview of X2RxN

1.1 Functional Descriptions and Features

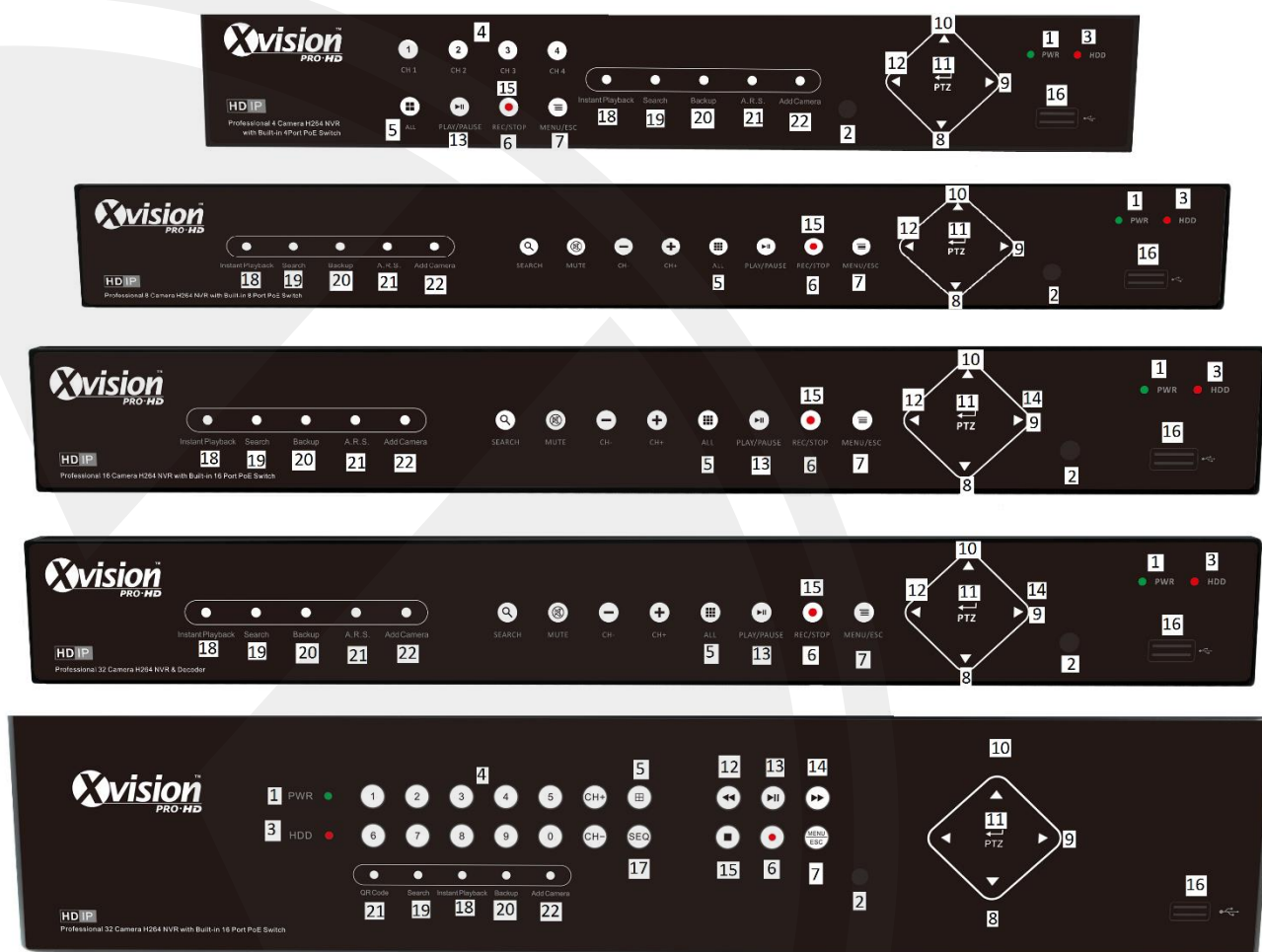
Function	Brief Description
Real time monitoring	Supports VGA and HDMI, real-time monitoring by web application manager and mobile phone, and support electronic amplifier, multi-screen sequence and PIP display.
Recording	Supports video compression standard of H.265. The video quality, resolution of each channel and video frame rate are adjustable. Support many recording modes, such as start-up recording, timing recording, manual recording, alarm recording, motion detection recording, remote recording, etc.
Record storage	Supports high capacity HDD 6TB with SATA port.
Record playback	Single-channel or multi-channel search and playback through NVR or network.
Record backup	Backup records from NVR to USB flash disk, mobile HDD; or from network to HDD.
Alarm setting	Alarm management of HDD and video input and the signal input from external alarm apparatus.
Network operation	Authorized accessing of remote client to ensure the system security.
Mouse operation	USB mouse operation to set system parameters conveniently and efficiently.
PTZ control	PTZ decoder communicated through RS485. Support PTZ preset auto cruise function.



Features:

- H.264 and H.265 for the X2R16N and X2R32N video compression format.
- G.711 audio compression format.
- Full real-time six functions (preview, recording, playback, backup, network monitoring, and mobile phone monitoring).
- Dual-stream network transmission.
- Smart phone video monitoring XIQCMS.
- Electronic amplifying and channel sequence display.
- Video packaging time is adjustable.
- Multiple alarm modes.
- USB 2.0/3.0 port, support backup, burning, software upgrading, mouse operation, etc.
- Support infra-red remote control.
- Support multi-language.
- Support automatic system maintenance.

1.2 Front Panel

X2RxN Front Panel



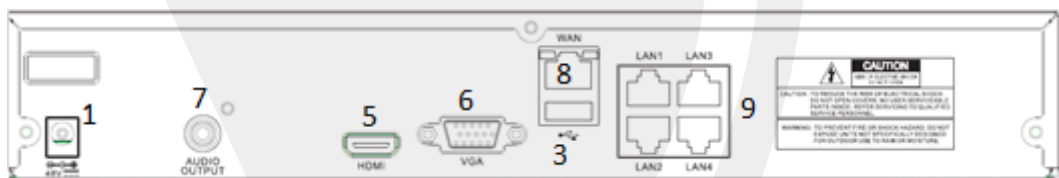
Item	Key title or Indicator	Remark	Function & Description
1	Power Indicator	PWR	If the “Green” indicator is on, the X2RxN is getting power
2	IR Receiver	●	IR receiver for Remote Controller.
3	HDD Indicator	HDD	If the “Red” indicator flashes, the hard drive is being read or written to. If the indicator is always on, it means the hard disk is abnormal, unformatted or has no recording files.
4	Channel select: CH1 CH2 CH3 CH4		Select a channel
5	QUAD		On Live or Playback mode, switch to Quad display.
6	REC	●	Press the button to start manual record.
7	MENU/ESC	◀	Enter into Main menu, exit or stop playing

8	Down Key	▼	Move down
9	SEL/EDIT	►	Enter into shortcut menu and select ENTER and EDIT
10	Up Key	▲	Move up
11	PTZ	PTZ	Enter into PTZ control interface
12	REW	◀◀	Move to left; Rewind function; decrease PTZ rotation speed and parameter value of graphic setting
13	PLAY/PAUSE	► II	Enter into Record Search menu and play. Pause / play frame by frame manually
14	FWD	▶▶	Right key; increase PTZ rotation speed and Parameter
15	STOP	■	Stop playing or stop manual record
16	USB	🔌	USB port
17	SEQ		Channel display switch in sequence
18	Instant Playback		Instantly plays back the last 5 minutes recording
19	Search		Shortcut key to Search menu
20	Backup		Shortcut key for backup
21	A.R.S		Shortcut key for P2P QR code
22	Add Camera		Shortcut key to Add IPC

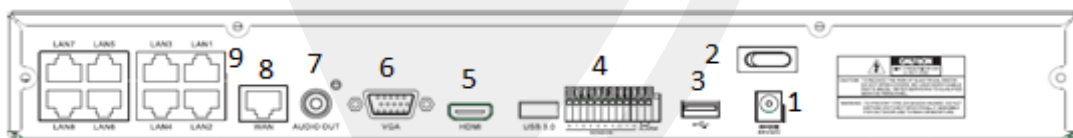
1.3 Rear Panel

X2RxN Rear Panel

X2R4N



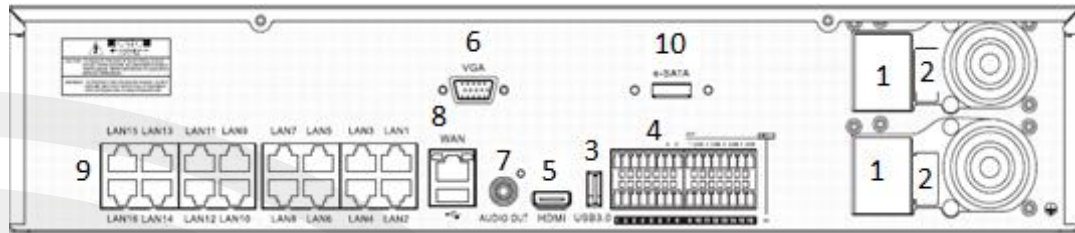
X2R8N



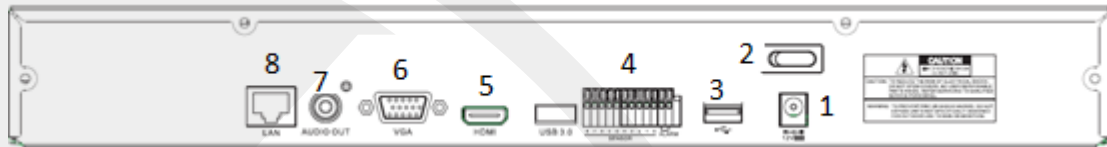
X2R16N



X2R32N



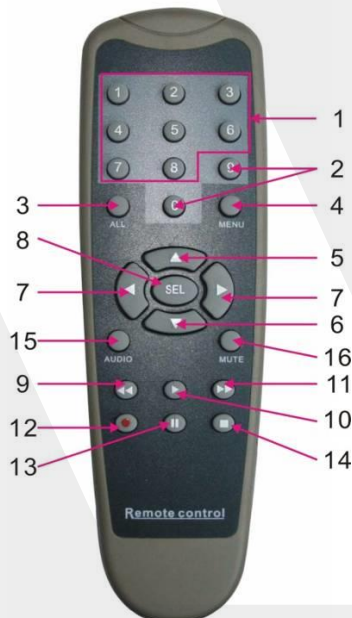
X2R32EN



Item	Physical Port	Connection Method
1	Power Port	Startup and shutdown
2	Power Switch (not on all)	Connect the attached power supply
3	USB Port	Connect USB devices, such as USB mouse and USB flash disk.
4	Sensor/Alarm (not on all)	Connect to sensor or alarming device
5	HDMI Port	HDMI high definition port
6	VGA Port	Connect to VGA monitor, such as PC monitor
7	AUDIO OUTPUT	Audio signal output, RCA interface
8	WAN Port	Network input interface of the router/Connect to web camera.
9	LAN Port	LAN network interface, support POE, can supply power to Xvision IPC.
10	e-SATA port (not on all units)	External HDD Connection

1.4 Remote Controller

Functions of the remote controller



Item	Key title	Key function
1	1-8	Channel select 1-8; Numeric key
2	9、0	Numeric key
3	ALL	Multiple display mode
4	Menu	Enter into Main menu/Exit
5	▲	Up arrow key, Volume adjust
6	▼	Down arrow key, Volume adjust
7	◀/▶	Left/Right key; Decrease/increase parameter value of control bar.
8	SEL	Select key/Edit key; selected operation.
9	◀◀	Rewind key
10	▶▶	Enter into record search menu; Play key
11	▶▶	Forward key
12	●	Record key
13	⏸	Pause/Sequence key
14	■	Stop manual record; stop playing
15	Audio	Go to main menu
16	Mute	Mute On/off

Chapter 2 X2RxN Connection

2.1 HDD Installation

HDD Installation:

- (1) Make sure your X2RxN is not powered, now you can remove the screws on both sides of the X2RxN and the rear panel. Slide the cover away from the front panel and lift off.
- (2) Within the X2RxN original box you will have the SATA cables for data and a Molex cable for power, connect these to the main board. Install the HDD(s) and screw it down using the provided screws. Once secure please connect the cables to the back of the HDD.
- (3) You can now place the cover back on, please take care to put all screws back into the holes they came from.

2.2 IPC (IP Camera) and Monitor Connection

The IPC will require CAT5/6 Patch cables and the Monitor out connections are either VGA or HDMI, please refer to table showing rear connections on X2RxN.

2.3 Power Supply Connection

Please use only the supplied power adapter to connect to the X2RxN. Please refer to table showing rear connections.

Chapter 3 X2RxN Boot up

3.1 System Initialization

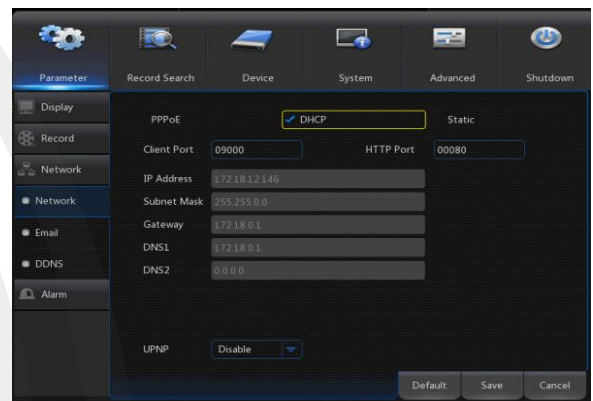
After giving power to the X2RxN, please note some units have a power on switch, please refer to the Rear panel section for more details on the unit you have. Once booted you will see the boot screen as shown.

3.2 Startup Wizard

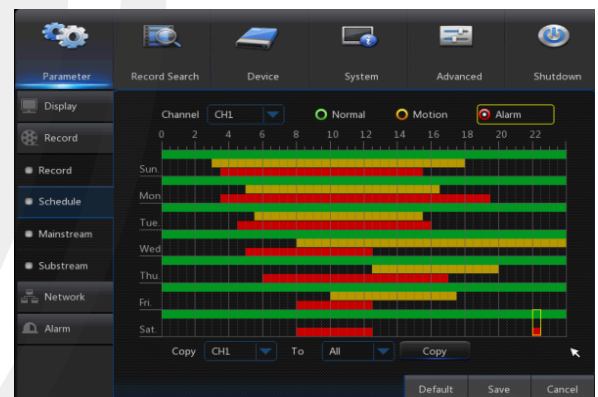
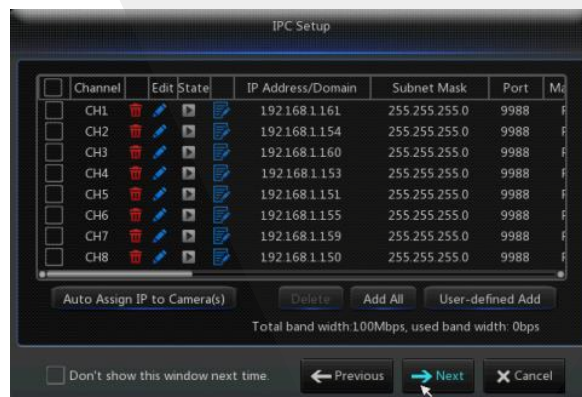
Once booted you will be greeted with the startup wizard, if you do not want to see this wizard again after you have completed it, you may click “Don't show this window next time” to cancel.

Wizard setting menu includes: Homepage, Network setup, IPC setup, Record Schedule and hard disk maintenance.

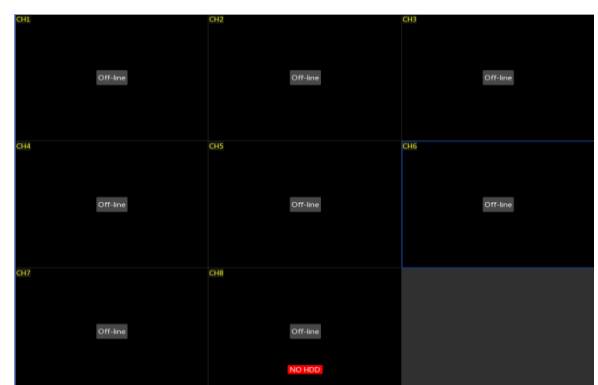
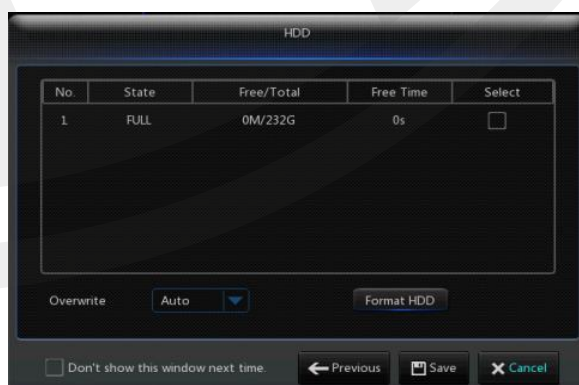
- Homepage and Network setup; you can setup the network port example DHCP/Static etc.



- IPC Setup; you can add and delete IPC's; Record Schedule's, you can set the recording time and scheduled recording of X2RXN.



- HDD; HDD formatting and overwriting and Main Interface



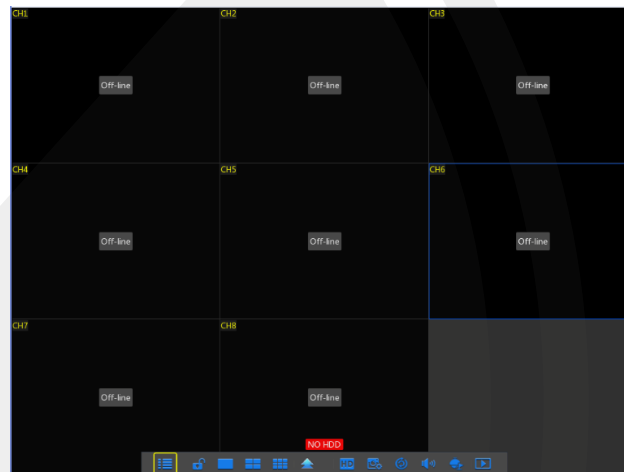
Note: When an internal HDD is not connected to X2RxN or the HDD is not formatted, you will hear a buzzer alarm. If you want to cancel the buzzer alarm, please navigate into [Event→Alarm] to set HDD loss, HDD space not enough and alarm output to “off”.

Chapter 4 X2RxN Menu

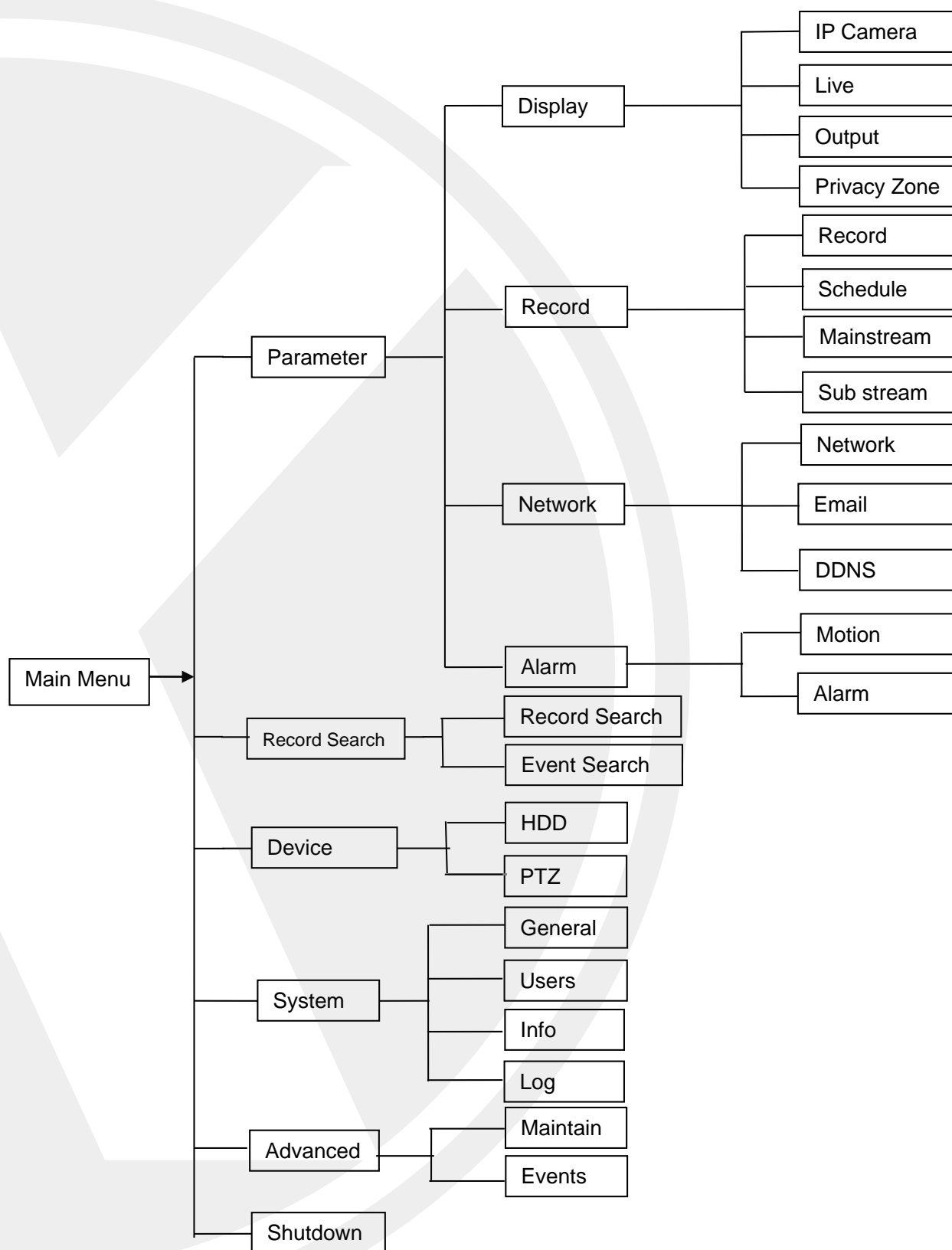
Popup Menu

After finishing with the system wizard, click right button on the mouse, this will show the preview interface or slide the mouse to the bottom of screen to enter into Pop-up Menu.

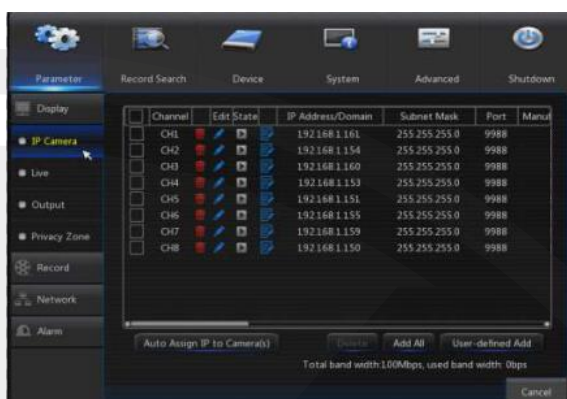
Now you can make system changes in the Main Menu, The options in the pop-up menu may be varied slightly according to different parameter settings. The options in the menu will be explained in detail in the following chapters.



4.1 Main Menu Flow Chart Guide



4.2 Main Menu



When on LIVE mode, click the mouse button, or [Menu] button on the remote controller/ Front panel, or click [Menu] icon on the toolbar to enter the main menu screen.

If the system interface is locked, refer to section unlock by inputting the password.

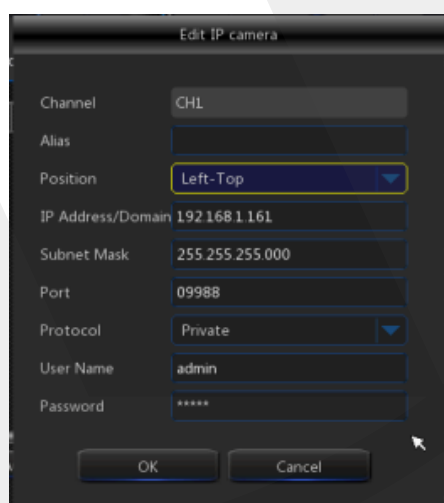
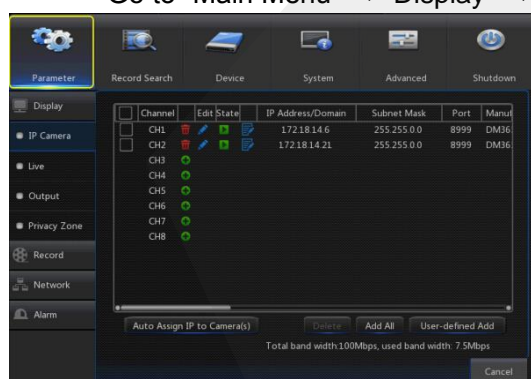
In the Main Menu mode, you can make changes to the settings, Record Search, Device, System, Advanced and Shutdown.

4.2.1 Parameter

4.2.1.1 Display

4.2.1.1.1 IP Camera

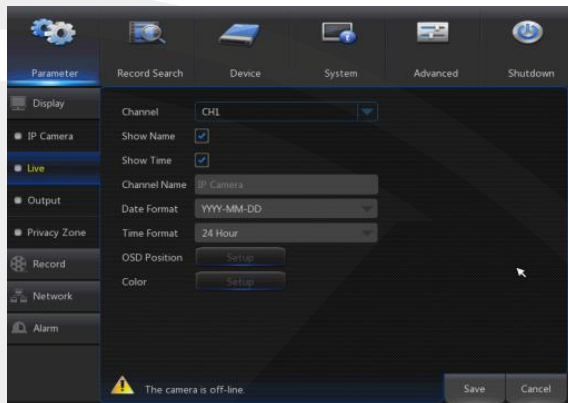
Go to “Main Menu” → “Display” → “IP Camera”



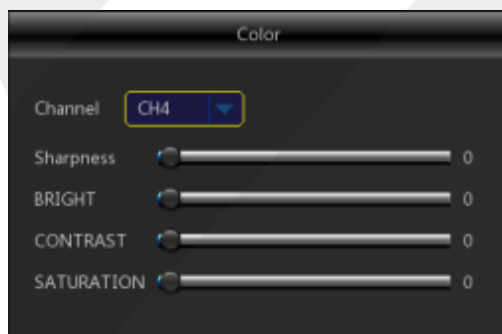
- **Channel:** IPC camera channel
- **Edit/User defined:** Modify the name and location of channels, change other IPC or protocols, etc.
- **State:** Display IPC on-line state.
- **IP address:** Modify IP address of IPC camera.
- **IP Address/Domain :** IP address of the IPC connected to the channel.
- **Subnet Mask:** IPC camera subnet mask.
- **Port:** Connection port number of the currently set IPC.
- **Manufacturer:** Manufacturer for different IPC
- **Device type:** Add IPC with different protocols.
- **Protocol:** The selected access protocol for IPC to connect to the X2RxN.
- **MAC Address:** Physical address for device
- **Software:** Display current version of the IPC.
- **Auto Assign IP to Camera:** This will use the built in network POE switch to assign your IPC(s) IP addresses automatically, please note the IP addresses handed out will be based on the settings you input on the X2RxN e.g. if your X2RxN IP address is 192.168.1.2 your 1st IPC will be 192.168.1.3 and so on.

4.2.1.1.2 Live

Go to “Main Menu” → “Display” → “Live”

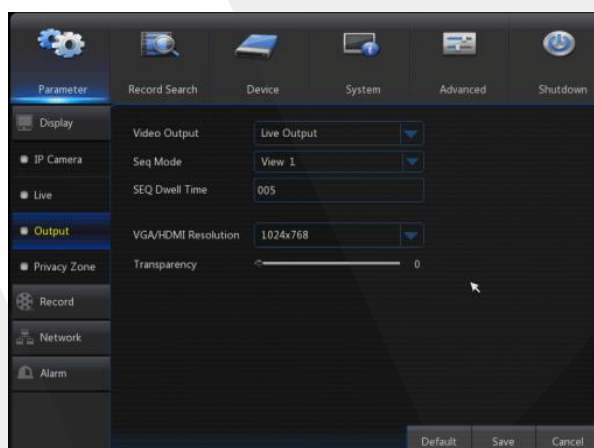


- **Channel:** Select channel number.
- **Show Time:** Tick the checkbox to display time.
- **Channel Name:** Name marked on the IPC.
- **Date Format:** Set date format such as d/m/y or m/d/y.
- **Time Format:** 12 hour or 24 hour.
- **OSD Position:** set the position of IPC name and time.
- **Color:** Adjust the Chroma, brightness, contrast and saturation of the IPC of the channel.



4.2.1.1.3 Output

Go to “Main Menu” → “Display” → “Output”

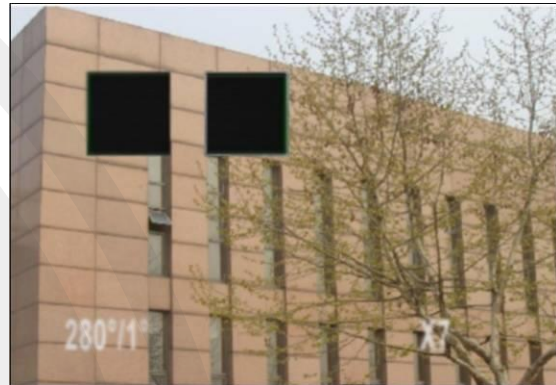
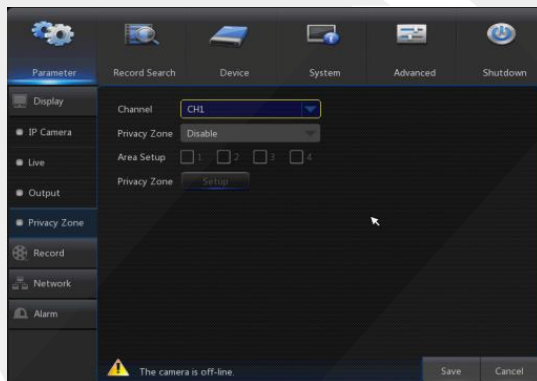


- **Video Output:** Live Output
- **Seq Mode:** Set sequence mode
- **SEQ Dwell Time:** Sequence dwell time is set 5 seconds by default. User may set it as required.
- **VGA/HDMI Resolution:** VGA output or HDMI output. supports 1024×768 , 1280×1024 , 1440×900 , 1280×720 , 1920×1080
- **Transparency:** Set the transparency of the menu in the range of 0—128.

4.2.1.1.4 Privacy Zone

Privacy Zone is for setting areas that you do not want to be visible on the live view (Public areas)

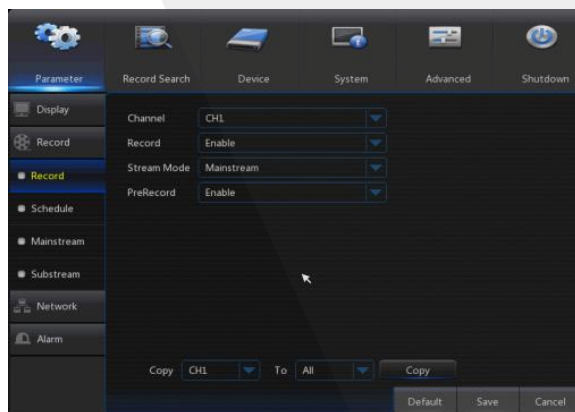
1. Select the number of the zone to be set (maximum 4 zones can be set for single channel)
2. Click “Setup” to adjust the position of the zone.
3. After finish setting, right click the mouse to return to the “**Privacy Zone**” page.
4. Click “Save” to save the setting.



4.2.1.2 Record

4.2.1.2.1 Record

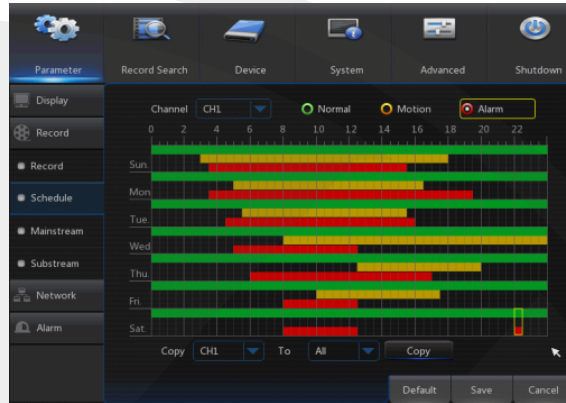
Go to “Main Menu” → “Record” → “Record”



- **Channel:** Set the desired channel in the drop-down menu
- **Record:** Set up the record status (Enable/Disable) of each channel.
- **Stream Mode:** Select Mainstream or Sub stream.
- **Prerecord:** “Enable” status supports pre-record for motion detection record or I/O trigger record.

4.2.1.2.2 Schedule

Go to “Main Menu” → “Record” → “Schedule” to enter into the Schedule interface and set the record schedule of the X2RxN.



Select the channel and the date to be set. One week's schedule can be set.

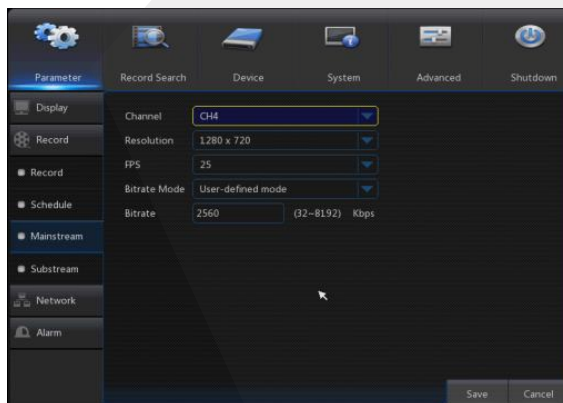
The record schedule of the current channel can be copied to any other channel or all channels.

Note:

1. In the Record menu and Record Search menu, No Color stands for no record;
2. “Green” stands for normal record and “yellow” stands for motion record
3. “Red” stands for alarm record,

4.2.1.2.3 Mainstream/Sub stream

Go to “Main Menu” → “Record” → “Mainstream/Sub stream”.



Mainstream and sub stream are the two video bit streams of the IPC. Mainstream is mostly used for recording and the sub stream is mostly used for remote network monitoring, due to its lower data size.

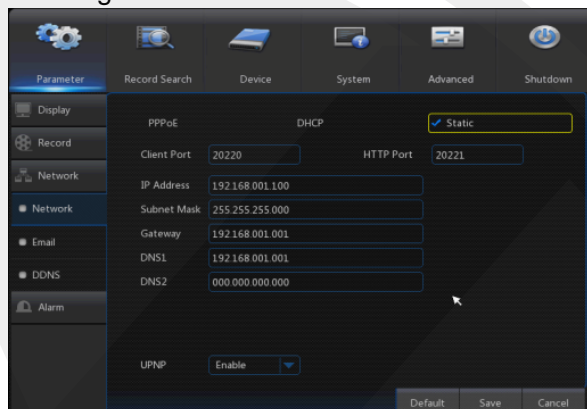
- **Channel:** Select a channel
- **Resolution :** Set IPC resolution as required
- **FPS:** Min 1 and max 30
- **Bitrate Mode:** Preview Mode and User-defined Mode
- **Bitrate:** Set IPC bitrate

4.2.1.3 Network

4.2.1.3.1 Network

Go to “Main Menu” → “Parameter” → “Network”

Select your choice of network connection (PPPOE, DHCP, and Static) and set Port, then you may remotely control the monitoring, recording, playback or backup of the X2RXN through network.



The X2RxN units support P2P, so there is no need for port forwarding on your router.

DHCP as an example. In this mode, the router automatically assigns an IP address for the X2RxN. After restarting the X2RxN or DHCP server, the IP address obtained by the X2RxN may be different. As a result, the user should check the IP address and port number for each X2RxN. The operation procedure is as follows:

1. Select DHCP, click Save and refresh the X2RxN. Input Client Port for XIQCMS and HTTP Port for Web Browser access (the two values must not be the same).

2. Set obtained IP address of the X2RxN and the mapping port. Refer to section 4.2.4.2.

3. Remotely visit X2RxN by IP address:

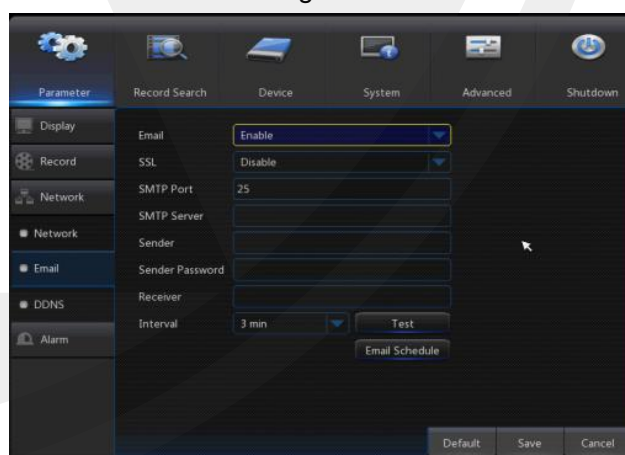
http://Public network IP (e.g. 87.95.2.15): Web port number (such as 00080) See networking guide for more help remote viewing your X2RxN.

http:// Intranet IP (e.g. 192.168.x.x): Web port number (such as 00080) (Only available in the same LAN)

4.2.1.3.2 E-mail

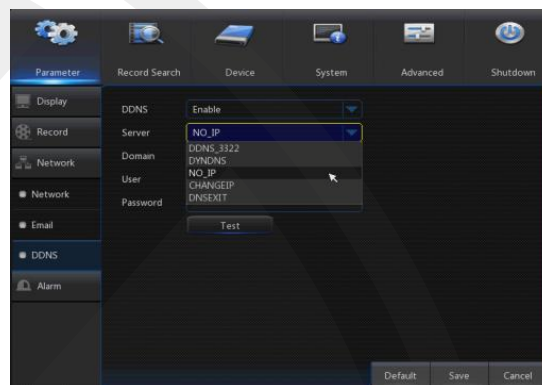
Go to “Main Menu” → “Parameter” → “Network” → “Email” to enter into the menu interface.

Receive or Send the X2RxN alarm Email and set parameters like Email address, SSL, Email Enable, Interval and Email Schedule. The related parameter setting should be consistent with the X2RxN local setting.



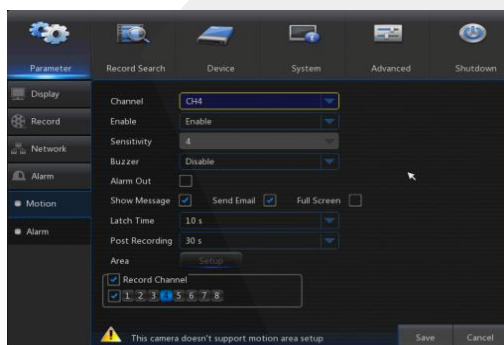
4.2.1.3.3 DDNS

Go to “Main Menu” → “Parameter” → “Network” → “DDNS” to enter into the menu interface. User may set DDNS in any one of the above network connections after applying dynamic domain service. The user may remotely access the X2RXN through the domain by using the browser in the form of http://applied domain: mapped Web port number. When using DDNS domain name to access the X2RxN, user shall confirm that the port can be normally connected to current IP on the public network and the settings for server address/host name/user/password/setting should be consistent with the settings on the X2RxN local setting.



4.2.1 Alarm

Go to “Main Menu” → “Parameter” → “Alarm” → “Motion” to enter into the interface.



4.2.2.1 Motion

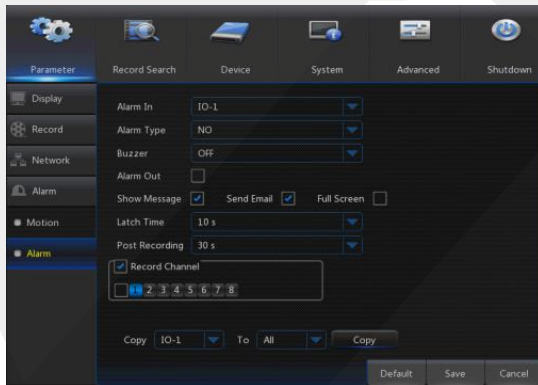


- **Channel:** Enable or disable Motion function.
- **Sensitivity:** Support 1-8 level, 8 is the highest level.
- **Buzzer:** When detecting object moving, buzzer makes alarms (disable, 10 seconds, 20 seconds, 40 seconds and 60 seconds).
- **Alarm Out:** Connect to the alarm switch of the alarm apparatus.
- **Show Message:** Messages will be displayed on the screen when moving object is detected and alarms are made.
- **Send Email:** When moving object is detected, send Email to the specified Email address.
- **Full Screen:** When moving object is detected, messages will be displayed in full screen.
- **Latch Time:** When moving object is detected, the alarm time can be set as 10 seconds, 20 seconds, 40 seconds and 60 seconds.
- **Post Recording:** After the alarm finishes, the duration time of the alarm recording can be set as 30 seconds, 1 minute, 2 minutes and 5 minutes.

- **Area:** Click it to enter into the interface to set the motion detection area to be monitored. A single channel is divided into 15 X 12 (PAL) or 15 X 10 (NTSC) configurable grids. The red grids indicate that the motion detection in the area is enabled, white semitransparent ones indicates that the motion detection in the area is disabled. After setting is completed, right click the mouse button to return and click Save to make the parameter setting effective.
- **Record Channel:** When object motion is detected, the recorded channel setting will be activated.

4.2.4.1 Alarm

Go to “Main Menu” → “Alarm” → “Alarm” to enter into the interface.



This is the alarm management and setting of the X2RxN. The user may set alarms under different status in the interface.

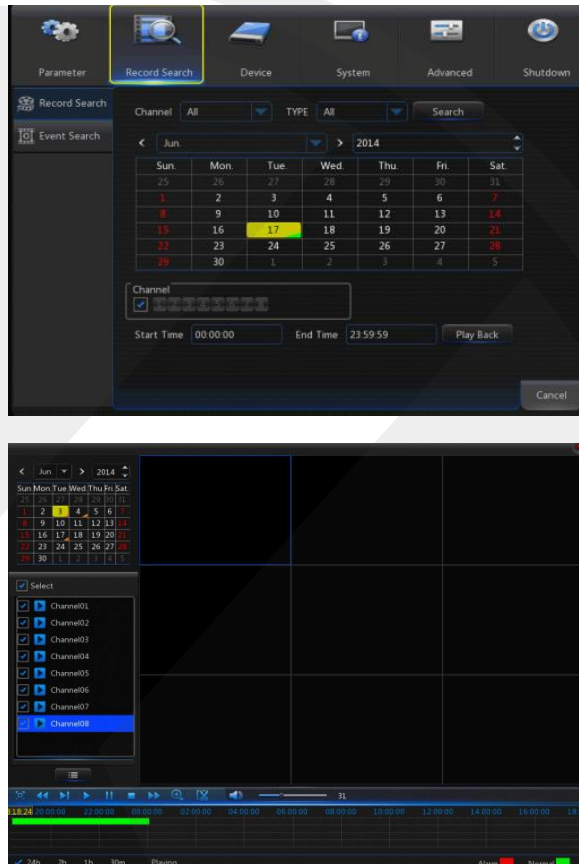
- **Alarm In:** User may set four groups of alarm input.
- **Alarm Type:** There are three kinds of status, i.e. Always ON, Always OFF, and OFF. Always ON: When the trigger is on, I/O alarm appears; Always OFF: When the trigger is off, I/O alarm appears; OFF: Do not receive I/O alarm from trigger.
- **Buzzer Time:** You can set how long the buzzer will sound when motion is detected (off, 10s, 20s, 40s, 60s)
- **Alarm out:** Connect the external alarm switch.
- **Show Message:** Display the alarm messages on the screen when motion alarm is detected.
- **Send Email:** Set to send email to specified email when motion alarm is detected.
- **Full Screen Alarm:** When motion is detected, the corresponding channel will be switched to the full screen mode.
- **Latch time:** set how long the buzzer will sound when object move is detected by external sensor (10s, 20s, 40s, 60s)
- **Post Recording:** set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).
- **Record Channel:** The record channel will be activated when the object move is detected.
- **Copy:** copy current channel parameters to any other channel (setting of record channel cannot be copied).

Alarm Type	Functions & Descriptions
Video Loss	When the X2RxN fails to receive video signals due to some problems (camera damage, line dropout or damage, power failure), the alarm will appear.
Motion Detection	When the IP camera detects object moving, the alarm will be activated. Sensitivity is subject to the actual application environment test. Sensitivity is adjusted according to the sensitivity of moving object detection and parameters are modified by combining the area setting .
I/O Status	Communicate with alarm device through I/O port. Alarm signals sent by IR sensor or other devices will be transformed to the system recognized signal and activate relevant channel to record or control the device output.
HDD Status	Alarm will appear when HDD does not work due to damage, power failure, HDD auto-overwrite off and insufficient space.

4.2.2 Record Search

4.2.2.1 Record Search

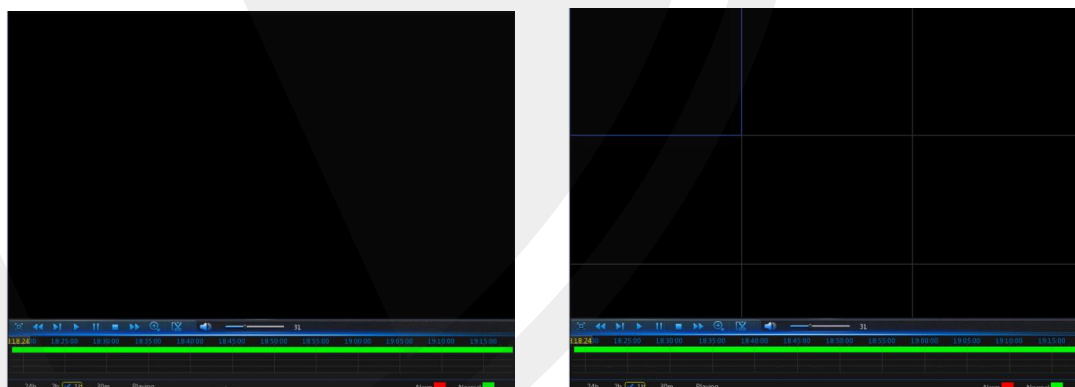
Go to “Main Menu “→”Record Search” → “Record Search” to enter into the interface.



- **Channel:** Select the channel you want to search.
- **Type:** Select the type of playback record. There are two options, i.e. Normal and Alarm.
- **Start Time/End Time:** Select the specific period of time. The default setting is from 0:00 to 24:00.
- **Playback Channel:** Click a date and select corresponding channel in Playback Channel. The selected channels shall not be more than 16.
- **Playback:** Select the desired year and month and click “Search”. If there are any records, a yellow corner mark which shows the recording at specific date will appear at the down-right corner of the date sheet. Select the date checkbox and select playback channel and click Playback to enter into the interface.
- **Playback interface:** You can use the Playback Control bar to operate the Fast Forward (X2, X4, X8 and X16), Rewind (X2, X4, X8 and X16), Slow play (1/2, 1/4 and 1/8 speed), Play, Pause/Frame. You can click or drag the volume control bar to adjust volume. When playback ends, the X2RXN will remain in the playback interface

Time Axis setup, file clip and zoom in/out

- 1) The X2RXN supports processing control bar function when playing back record files.

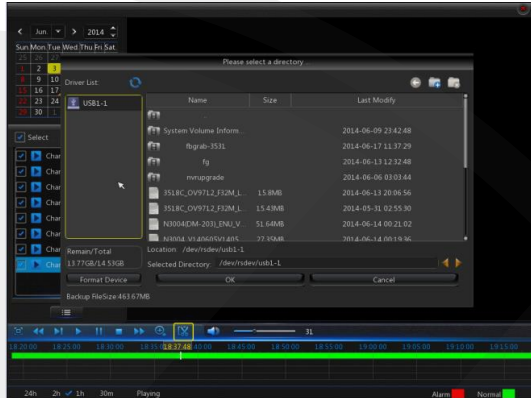



Time Axis zoom: Default value is 24 hours. Allow user to select 2 hours, 1 hour, 30 minutes or user-defined.


➤ **Detailed operation:**

Fixed time axis: If you select [2h] option, that means the processing control bar cover two-hours video content. The time range refers to 1 hour before and after the middle point.

2) Record clip and backup function and playback zoom in/out function.

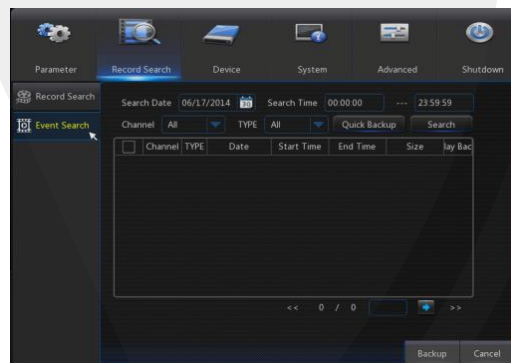



➤ **Clip and backup:** When it is under single channel playback, the [] icon will appear in the Play Control bar. Click the icon to start video clip function, click the icon again to end the function and pop up the dialog. Now, you may save the clipped video file.


➤ **Zoom out:** When it is under single channel playback, the  icon will appear in the Play Control bar. Click the icon to zoom in certain area of the playback screen and right click mouse to return the Playback page.


4.2.2.2 Event Search

Go to “Main Menu “→”Record Search “→”Event Search “to enter into the interface.
In this page, the user may search details by date, time, channel and record type. The relevant operations are as follows:



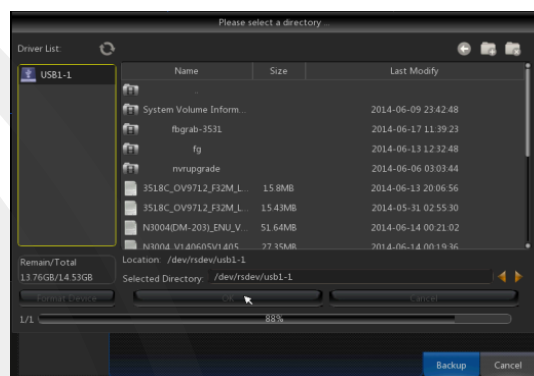
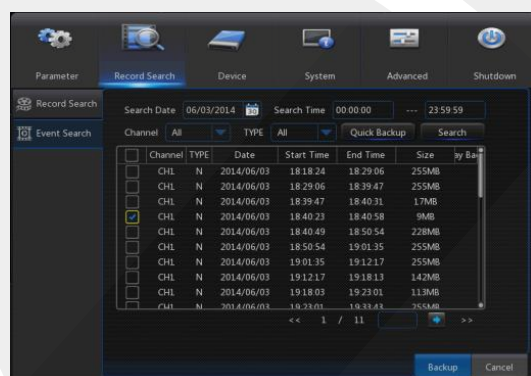
: Previous page; Click the button to go to previous page when viewing events (except the first page). When viewing the first page, click this button to display the event list in the first page.

: Next page; Click the button to go to next page when viewing events (except the last page). When viewing the last page, click this button to display the event list in the last page.

 : Jump; Input the desired record event page in the input box and click arrow button to jump to the input page.

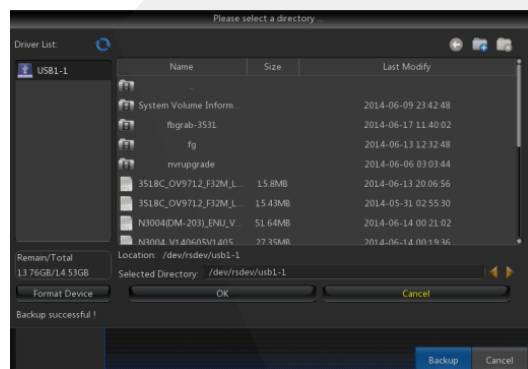
Two types of backup: Quick Backup and Backup

If you want to back up a record in the detailed file list, you may tick the checkbox at the left of the record (“√” means it has been selected) and click “Backup” to enter into “Select backup type” (Make sure USB disk or other portable storage device are connected).



If you want to back up with USB, select USB and click OK to start processing and you may see the backup progress.

If you want to back up with DVD, select DVD and click OK to start processing and you may see the backup progress.



After backup finishes, message Backup Finishes will appear at bottom-right corner.

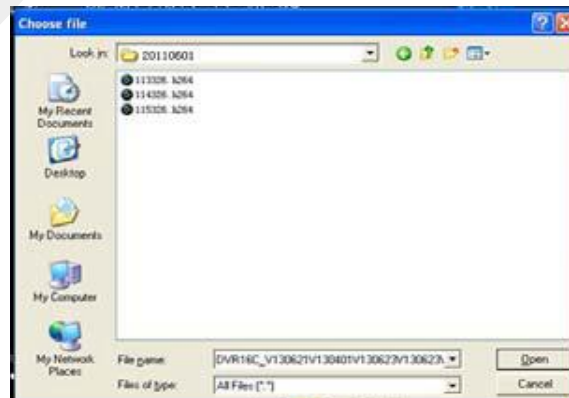
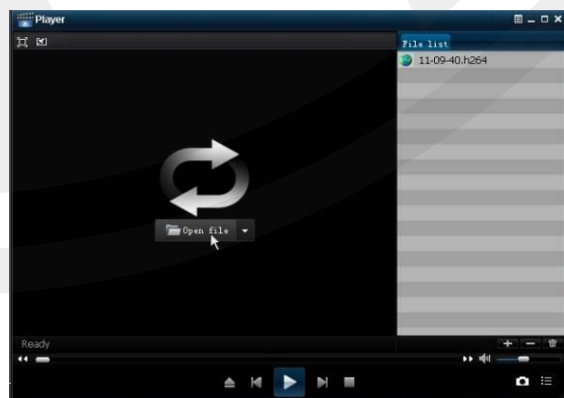
If the file is backed up with format of .264, it can be played back by XIQClient player on the CD attached with the X2RXN (the player will be automatically installed during installing XIQClient. CD backup file is in format of *.NVR).

Note: Before backup, connect devices for backup (USB flash disk or other devices with USB interface)

4.2.2.3 Play Backup Files

1. Copy backup files to the computer.


2. Open playback player and click “+” or . For example, if you want to choose *.264, add backup file and select a file to play.





: Play: Click to play file


: Pause: Click to pause.

: Stop: Click to stop playback.


: Next: Click to play next file.


: Previous: Click to play previous file


: Slow Playing: click to play at 1/2, 1/4, 1/8, 1/16 speed.


: Fast Playing: click to play at 2x, 4x, 8x, 16x speed.

: Open file

: Full screen display

: Never on top

: Always on top


: On top during playing

: Screenshot: Save path: installation directory\Video Client\Capture


: Adjust volume

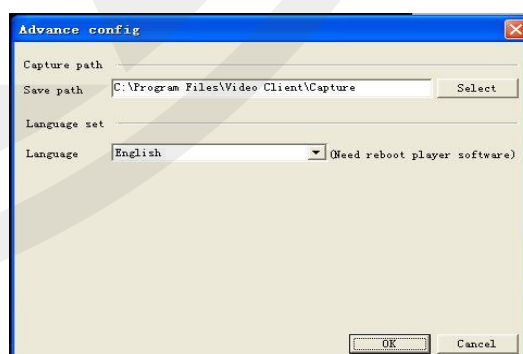
: Add folder or file.

: Delete file in the list.

: Delete all files in the list.

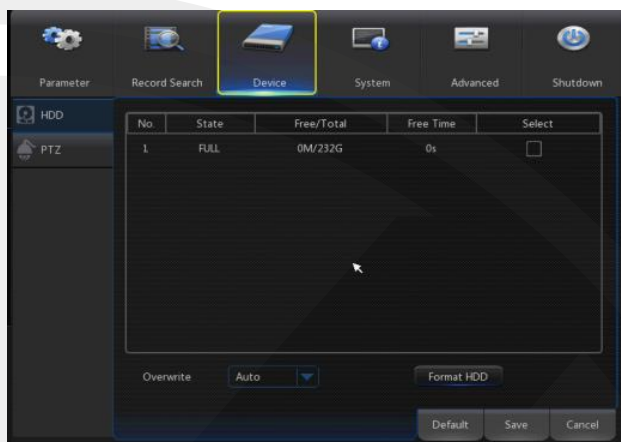
: Expand/pack up the list.

: Advanced configuration: Set the save path for the captured pictures and set the display language of player.

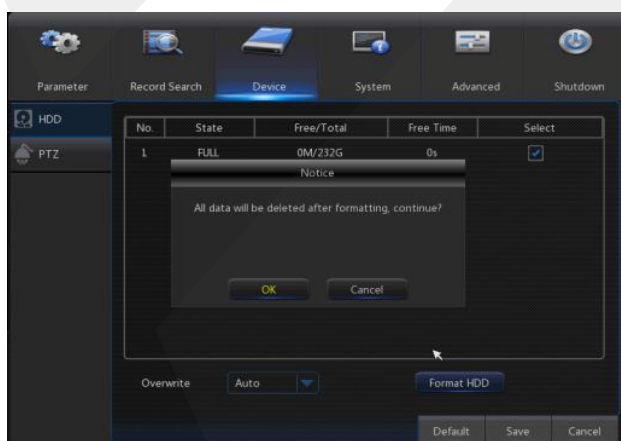


4.2.3 Device HDD

Go to “Main Menu” → “Device” → “HDD” to enter into the interface.



When the X2RxN has HDD's connected, the system will automatically detect if the HDD's are normal or not; If the HDD's need to be formatted, status will be shown as “Not formatted”. Select the HDD and format. If the system detects HDD is normal state, the HDD status will be shown as “Normal”.

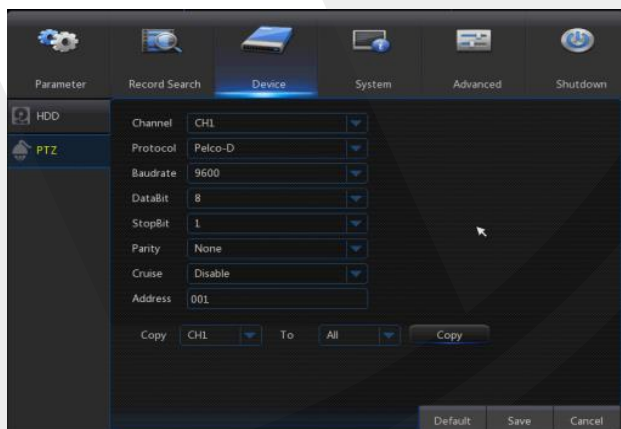


- **No:** Number of HDD's connected to system.
- **Status:** It shows the current status of HDD. It will be available only when HDD is “Normal”.
- **Free/Total Space:** Remaining or total space of HDD
- **Free Time:** Remaining time for HDD recording according to currently set “Resolution”, “Encoding Rate” and “Frame Rate” of image.
- **Auto-overwrite:** When set to ENABLE, the X2RxN will overwrite the oldest files on the hard drive if hard drive space is full. When set to DISABLE, the X2RxN will stop recording if hard drive space is full. Overwrite time: 1 day, 3 days, 7 days, 14 days, 30 days and 90 days. It means the longest storage time of records in HDD. If the time is over, the records will be deleted. For example, if the time is set as 3 hours and the data in HDD include 12, 13, 14, 15, 16, 17, 18, 19 and 20 o'clock, then data 18, 19 and 20 will be saved and data 12, 13, 14, 15, 16 and 17 will be deleted.
- **Format HDD:** Format HDD for the first use.

Note: Recording can only be performed when HDD is in “Normal” state.

4.2.4 PTZ

Go to “Main Menu” → “Device” → “PTZ” to enter into the interface.



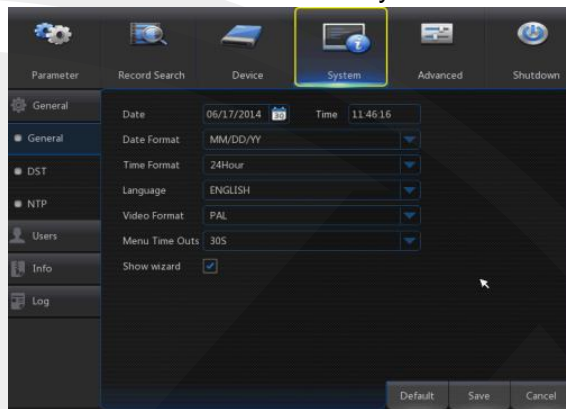
Select a PTZ channel and set PTZ protocol (Pelco-D, Pelco-P), Baud rate (1200, 2400, 4800, 9600), Data Bit (8, 7, 6, 5), Stop Bit (1, 2), Parity (None, Odd, Even Mark Space), Address and Cruise.

Parameter setting for above channels must be the same as that of PTZ so that PTZ can be controlled. The protocol, baud rate and PTZ address must be set.

4.2.4 .1 System

4.2.4.1.1 General

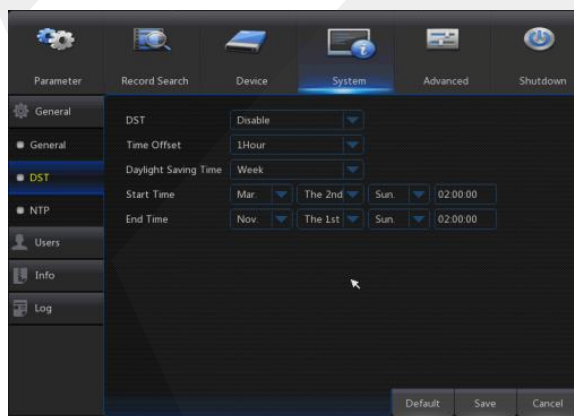
Go to “Main Menu” → “System” → “General” to enter into the interface.



The user may set Date, Time, Date Format, Time Format, Language, Video Format, Menu Timeouts enable Show Wizard on this page.

4.2.4.1.2 DST

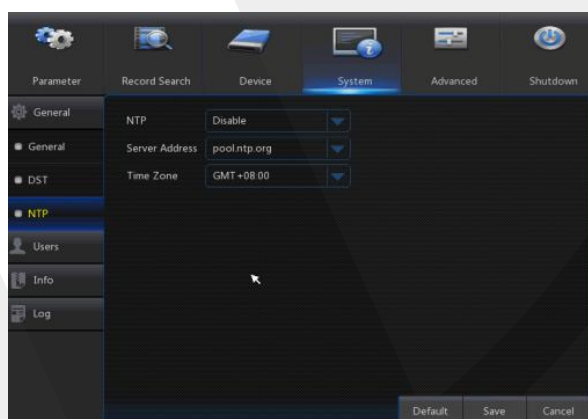
Go to “Main Menu” → “System” → “General” → “DST” to enter into the interface.



Enter into the interface to set DST, Time Offset, Start Time and End Time.

4.2.4.1.3 NTP

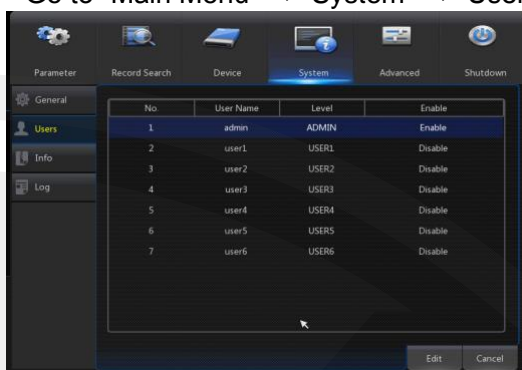
Go to “Main Menu” → “System” → “General” → “NTP” to enter into the interface.



- **NTP service:** Enable/Disable NTP function.
- **Server Address:** Select the NTP server time.windows.com, time.nist.gov, pool.ntp.org).
- **Time Zone:** Corresponding time zones for various nations or regions.
- **Update Time:** Enable the NTP function and save parameters and click Update Time to calibrate the system time.
- **Note:** When the NTP function is set to “Enable”, system will calibrate the system time at every 00:07:50 and every start-up.

4.2.4.2 Users

Go to “Main Menu” → “System” → “Users” to enter into the User interface.



Supports up to seven users, including one administrator and six users. Click [Edit] button to enter into the [User Edit] interface to input user name and password.

User Name may consists of 8 characters and the password is composed by number 0-9 with max length of 8 numbers

Set user password. Administer is authorized to set user's authority level.

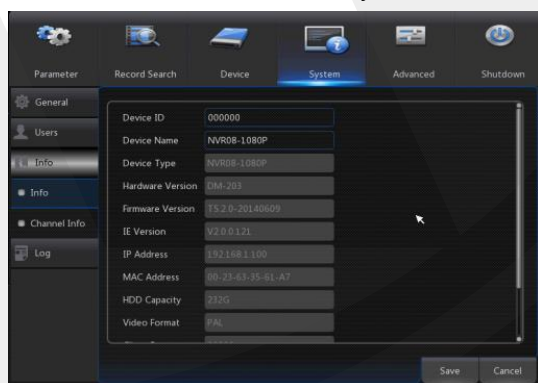


- **Log Search:** allow you to check all the system logs.
- **Parameter:** allow you to set all the parameters.
- **Maintain:** allow you to update version firmware, recover ex-factory value, device reboot and shut down.
- **Disk Management:** allow you to manage and control the HDD and USB drive.
- **Remote Login:** allow you to remotely login X2RxN.
- **SEQ Control:** allow you to sequence live screens for all the channels.
- **Manual Record:** allow you to manually start/stop record.
- **Backup:** Tick-select the ENABLE option and select channel for backup, the user is allowed to back up the record in the selected channel.
- **Live:** Tick-select the ENABLE option and select a channel and the user is allowed to view all the live images in the selected channel.
- **Playback:** Tick-select the ENABLE option and the user is allowed to playback the selected record in the channel.

4.2.4.3 Info

4.2.4.3.1 Info

Go to “Main Menu” → “System” → “Info” to enter into the interface.



The user can view system information, including Device ID, Device Name, Device Type, Hardware Version, Firmware Version, IE Client Version, IP Address/Domain, MAC Address, HDD Capacity, Video Format, Media Port, Web Port, etc.

4.2.4.3.2 Channel Info

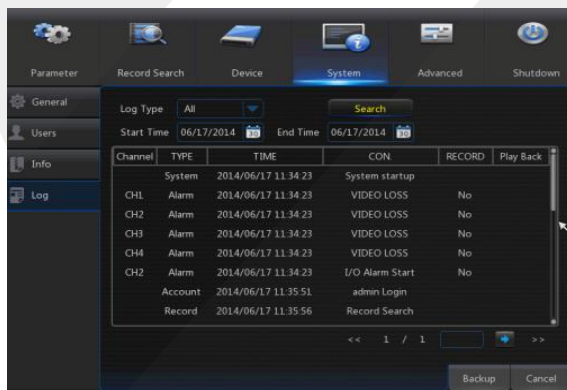
Go to “Main Menu” → “System” → “Info” → “Channel Info”.



The user may view the information of various connected IPC, including state, mainstream, sub stream, motion detection, privacy zone, cruise, etc.

4.2.4.4 Log

Go to “Main Menu” → “System” → “Log”.

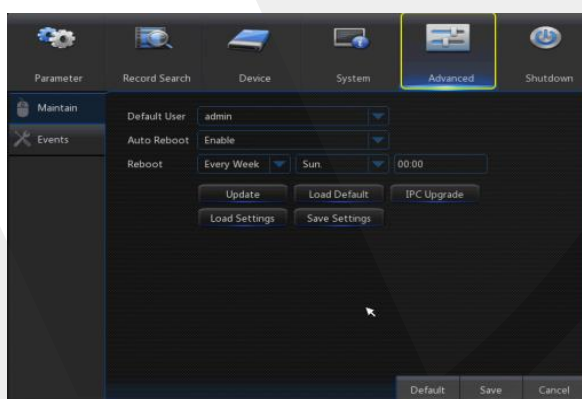


User may search log information in different period of time. Click “Backup” to save all the log information.

4.2.5 Advanced

4.2.5.1 Maintain

Go to “Main Menu” → “Advanced” → “Maintain” to enter into the interface.



- **Auto Reboot:** Enable the auto maintenance function to reboot system regularly at every day/week/month. When Auto Reboot is enabled, the X2RxN should be in the main interface and no user operation.
- **Upgrade:** Decompress update file package and copy the upgrade file folder named “nvupgrade” to the root directory of USB flash disk; Insert the USB flash disk into USB port of the X2RxN; Click <Upgrade>.

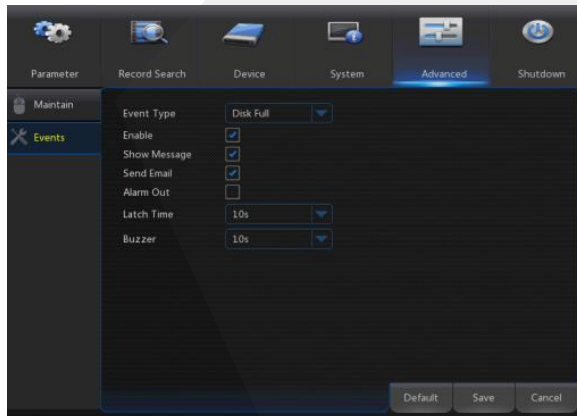
- **Load Default:** If [Load Default] is selected, you can initialize the system to the ex-factory default. Click “Load Default” and select items to be restored
- **Load Settings:** Load parameters in the removable storage device to the X2RxN.
- **Save Settings:** Save the set parameters of user's the X2RxN to the removable storage device.
- **IPC Upgrade:** IPC can be upgraded by the connected the X2RxN. Decompress IPC upgrading file and copy *.sw file to nvupgrade directory and copy to the root directory of U flash disk, as shown in Picture 4-41—>Insert the USB flash disk into USB port of the X2RxN—>Select the IPC you want to upgrade—>Click Upgrade to start upgrading IPC.

Note: Do not take out the USB memory or cut off the power during upgrading. When the update is done, system will be automatically restarted. After about 5 minutes, the upgrading will be finished. It is recommended to **load ex-factory default** after upgrading. The auto maintain function can be effective only when the X2RxN returns back to Preview mode with no any operation within the set auto maintain time. Also please note not all IPC support firmware upgrade through the X2RxN.



4.2.5.1 Events

Go to “Main Menu” → “Advance” → “Events” to enter into the interface.

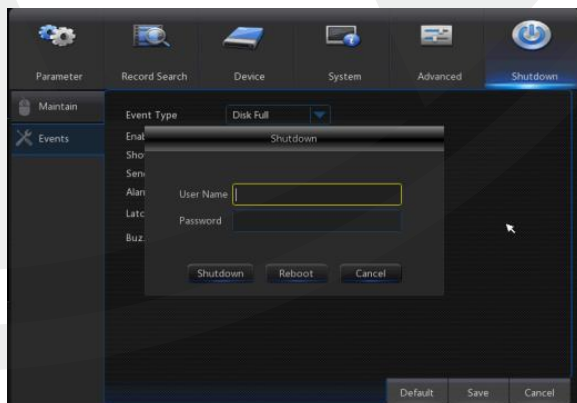


- **Event Type:** Supports three abnormal types: Disk Full, Disk Error and Video Loss.
- **Enable:** Active alarms for abnormal situations.
- **Alarm Out:** Enable or disable alarms
- **Latch Time:** How long the buzzer will sound when external sensor alarm is detected (10s, 20s, 40s, and 60s).
- **Show Message:** Set show message on the screen when sensor alarm is detected.
- **Buzzer:** How long the buzzer will sound (10s, 20s, 40s, and 60s).
- **Send Email:** Select to send Email a specified Email address when abnormal events appear.


4.2.6 Shutdown

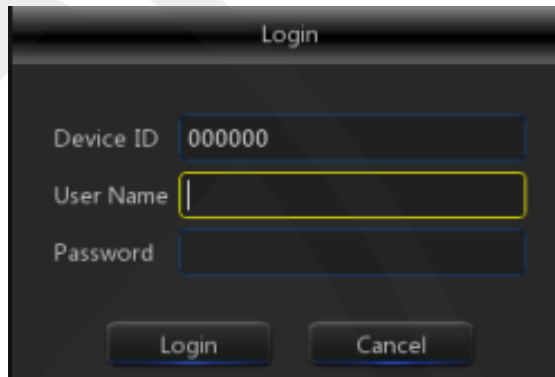
Go to “Main Menu” → “Shutdown” to enter into the menu interface.

Shutdown function requires user to login by inputting User Name and Password as to shut down or reboot system.



4.3 Menu Lock

In consideration of system security, user may click the icon  on the toolbar when you leave the X2RxN and the system interface will be locked. User has to input Device ID, User Name and Password on the login interface to unlock (**Default: User Name: admin, Password: blank**). The login interface.




A screenshot of a 'Login' dialog box. It has a dark background with white text. The title 'Login' is at the top. There are three input fields: 'Device ID' with the value '000000', 'User Name' which is empty and highlighted with a yellow border, and 'Password' which is empty. At the bottom, there are two buttons: 'Login' and 'Cancel'.

Note: Administrator has all authorization of menu operation and users have limitations for authorization and have to get authorization from administrator.


4.4 Split Mode

There are many display modes in video channel, including single channel display, SEQ display and split mode.

4.5 Record Search

Click  icon on the toolbar to enter into the Record Search interface to search and playback.

4.6 Mute

Click  icon on the toolbar or Mute button on the panel or remote controller to control the mute of X2RxN.

4.7 Start Sequence

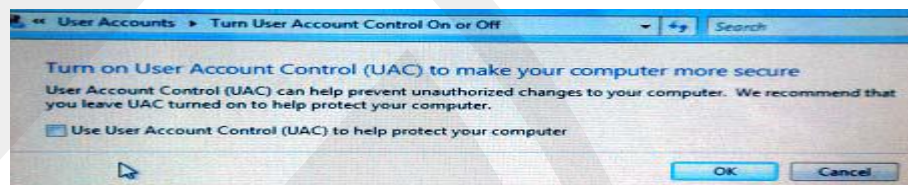
After set channel sequence time, click Start Sequence icon  on the toolbar to start sequence.

Chapter 5 Web Application Manager

5.1 ActiveX control download and installation

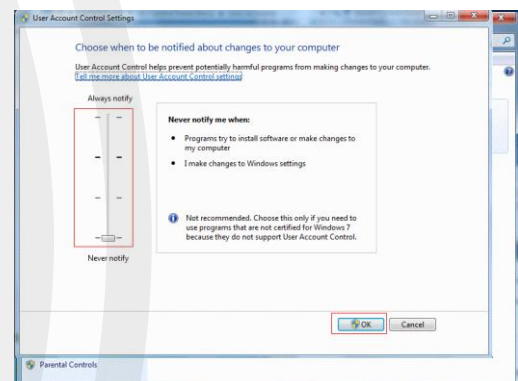
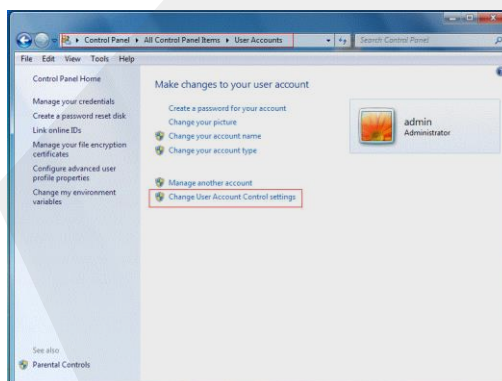
Open your web browser and input the IP address of the X2RxN, such as: <http://192.168.1.168> . Your PC will download and install “ActiveX” plug-in automatically. If your computer system is Windows Vista or Windows 7/8, you may need to setup the user authority for remote control, or you may not be able to backup or record.

Vista System: Start → Setup → Control Panel. Set user authority in control panel (as shown in picture below). Remove the Tick “√” in front of the option “Use UAC to help protect your computer” and confirm OK.

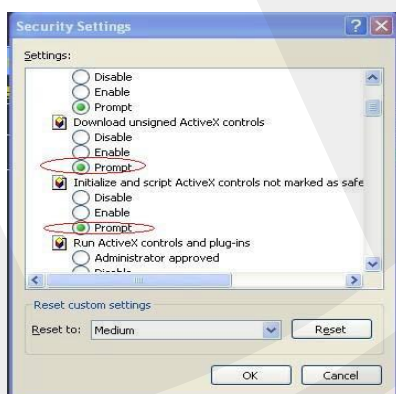


Vista

WIN7/8:



Note: If the ActiveX control is not downloaded successfully, please check if your browser's safety level or firewall setting is set too high. Please open IE browser→ [Menu Bar] Tools → Internet options→ Security → Internet →Custom level → Enable the options.



If the web application runs for the first time, please wait for about one minute to finish downloading.

If you want to use the undated ActiveX control at a computer which you have already logged in before, please delete the original control and click [Start→Run] and then input the command characters: “regsvr32/u HiDvrOcx.ocx”. Press OK. When you log in at the next time, new ActiveX control will be automatically downloaded. Please wait.

5.2 Web Application Manager Login

After ActiveX controls installation, please input user name and password, select Main Stream or Sub Stream (In general, select main stream for LAN and sub stream for WAN), and select language in the interface. There is an option for opening all channel preview, select it to open all live pictures. Press Login to log in to client and remotely visit X2RXN. The default password is *admin* and the administrator is authorized to modify the password. Set password as per what you have set in the X2RxN, if none then leave blank.

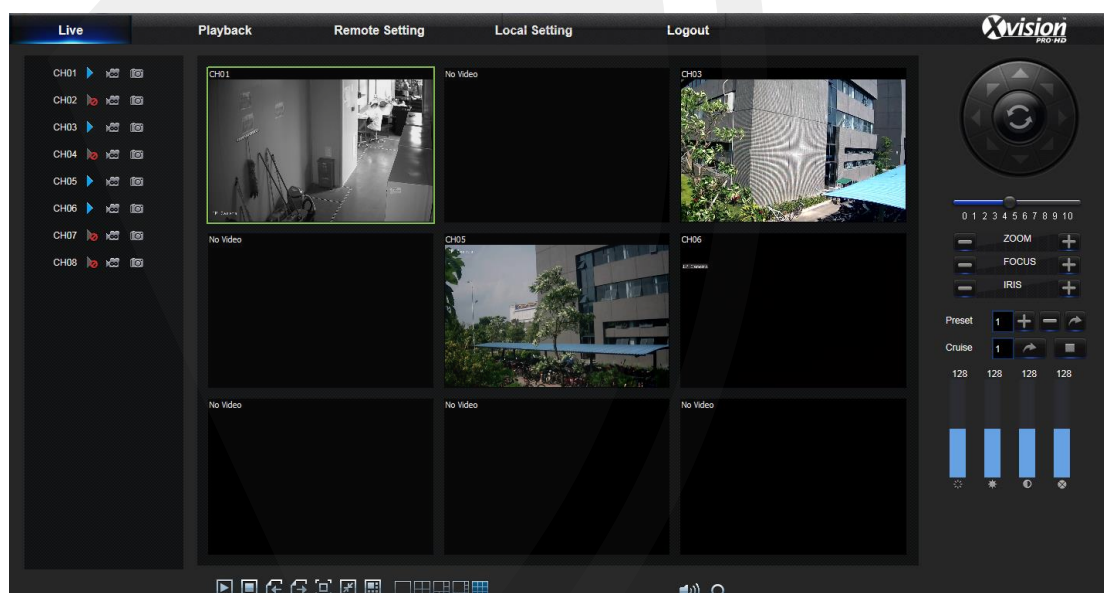


The image shows a 'User login' dialog box for 'Xvision PRO HD'. It contains the following fields and options:

- IP Address: 172.18.12.63 (dropdown)
- User Name: admin (text input)
- Password: masked with dots (password input)
- Client Port: 9000 (text input)
- Stream Type: Sub stream (dropdown)
- Language: English (dropdown)
- ☒ Remember Pwd
- ☒ Open All Channels Preview
- Login (button)
- Reset (button)

5.3 Live Interface

Log in and you will be shown the live video images.



5.3.1 Menu Bar

Menu Bar: Live, Replay, Configuration, Local Setting and Logout

5.3.1.1 Live Display

Log in the Web Application Manager, system will be defaulted to enter into <Live> interface. You can click [Play] button to Open/close live images, on-spot record, capture, and many live display modes.

Buttons on a single live interface:



: Volume switch



: Record switch: the remote record switch of client. Record will be automatically saved to a specified location on PC after the function is enabled.

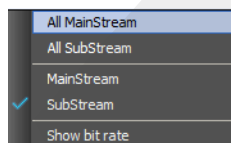


: Snapshot: Capture the selected live image and save it to a specified location on PC. The image is saved as *.bmp format.



: Open or close the images on Live window.

Or **click the right button on the mouse on each <Live> window** to pop up channel operation menu.



Show bit rate: Tick Show Bit rate to show IPC bit rate in current window.



: Switch display mode in channel window



: Open all the Live channels.



: Close all the Live channels



: Display previous group of channels

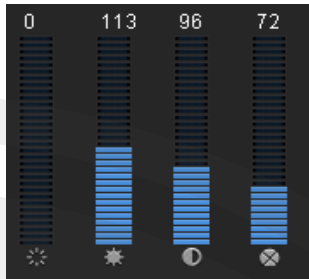






: Display next group of channels




: Click to maximize the current window to full screen. Right click to pop up menu option and select Exit Full Screen.

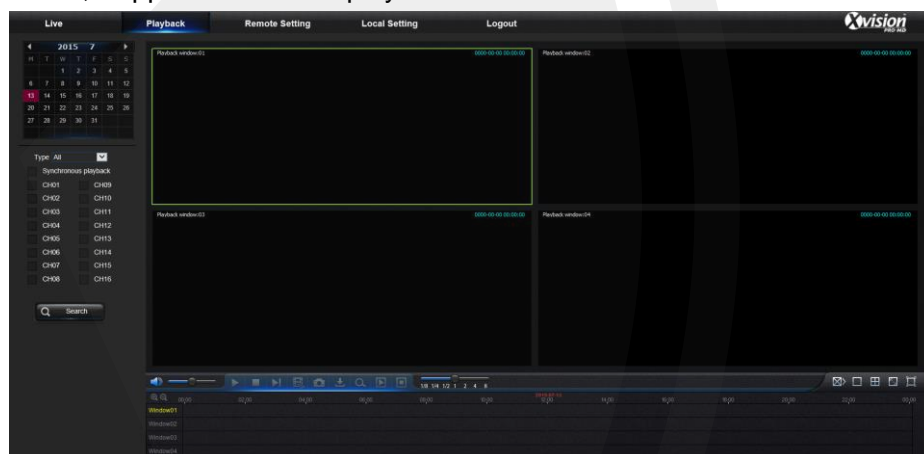
5.3.1.2 Video Control



- : Adjust the chromaticity of video
- : Adjust the brightness of video
- : Adjust the contrast of video
- : Adjust the saturation of video

5.3.2 Playback

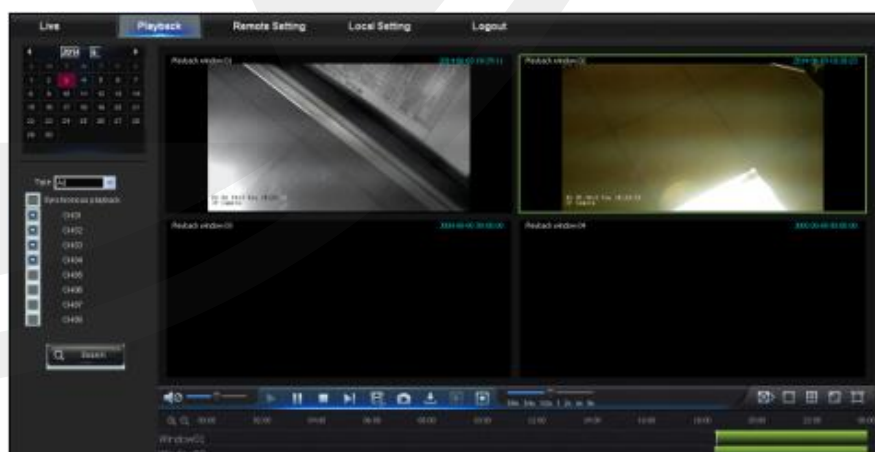
Click  to enter into Playback interface to remotely view the records in X2RxN HDD, Supports 4 channel playback.




5.3.2.1 Record Search





Record playback procedure:

Firstly, select the date you want to check and select 4 channels. Any recorded files in current channel at the current date will be displayed in the status bar of the interface.



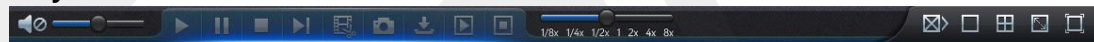
Secondly, select record type (Normal record, Alarm record and All) and channels, and then click “ Search”, and the time axis panel will display specific time quantum. On the time axis, red part stands for alarm record, yellow stands for normal record and original part stands for no record during this period.

Before playback, choose to enable playback 4 channels synchronously. If you






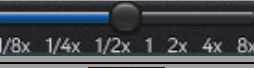










Tick-select “ Synchronous playback”, that means the selected channel will playback synchronously; otherwise, you could separately control the channels in playback. Thirdly, start playback. Click  to start record playback. When mouse cursor is moving on the time axis, the time point of current position will be displayed on the time axis screen. Click the icon  or  in/out the time bar display ratio.

5.3.2.2 Playback Control


Playback control bar:




Detailed brief description is shown as below list

Key	Description	Key	Description
	Play		Enable the volume switch
	Pause		Volume adjustment bar
	Stop		Slow playing 1/2,1/4,1/8, Fast playing 1/2,4/8
	By frame		Stop playing all the files
	Record Clip		Single channel mode
	Snap		Quad mode
	Download		Full Screen
	Open all the playback channels		Stop playing all the playback

Record file clip:

After opening playback, click  icon to clip the selected file; and click again to stop the clip function. Then playback clip is successfully done. Record clip file will be saved as *.264 format.

Snapshot function:

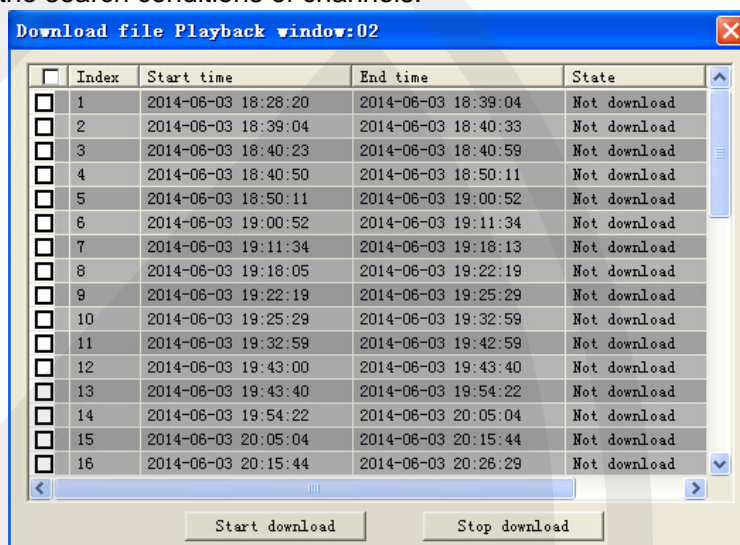
Move the mouse cursor to the channel you want to capture, and click [] icon to capture the live images remotely. After capturing the images successfully, a path prompt box will be popped up.



The captured file will be saved as .bmp format.

Record file download:

Click download icon “” on the control bar to display all the matched record file according to the search conditions of channels.



Tick-select the record file you want to download and click [Start download] .System will download the record file in sequence and save to local PC. The downloading file will be displayed in percentage form. After downloading finishes, “Complete” will be displayed on the status bar.

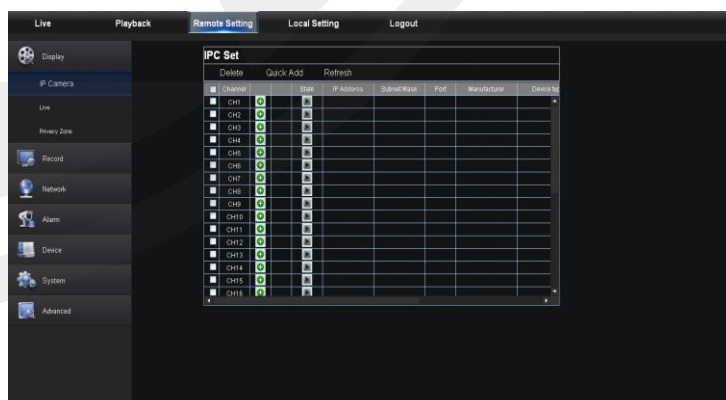
5.3.3 Remote Settings

Click Parameter Setting to enter into the interface shown, including Display, Record, Network, Alarm, Device, System and Advance.

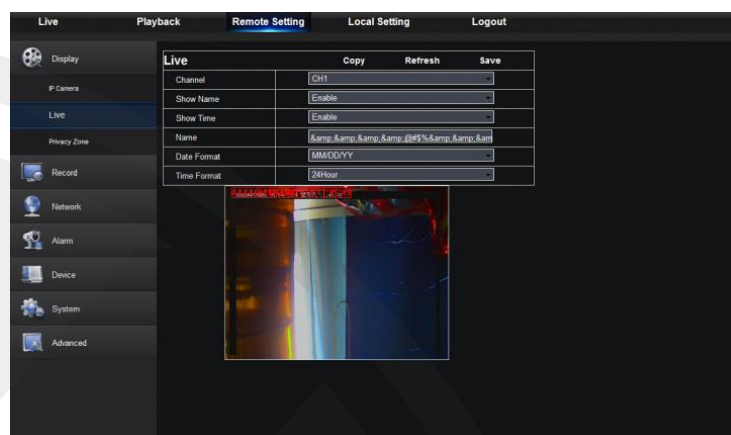
5.3.3.1 Display

Unfold [Display] option to find its sub-options: IP Camera, Live and Privacy zone.

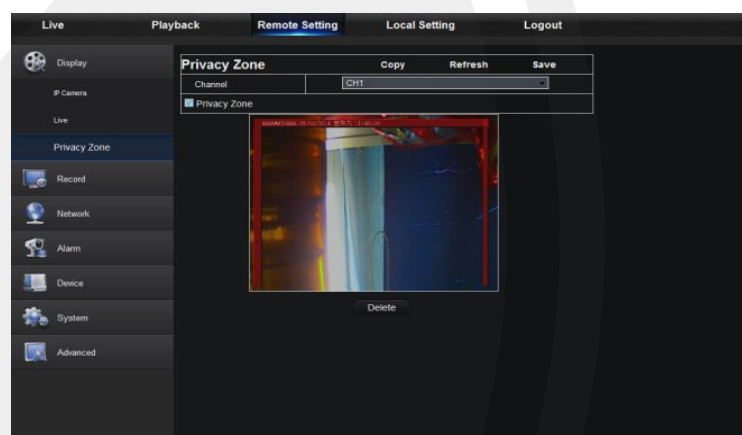
IP Camera: Display the information of added IPC. It can quickly add the on-line IPC and delete the added IPC.



Live: Change channel name, position, channel preview and relevant parameters. If show time is set as <disable>, current X2RxN system time will not appear on the screen on live mode.



Privacy Zone: Each channel can set 4 privacy zones, the relevant parameters should be consistent with X2RxN local setting. Select zones to be deleted and click “Delete” and click “Save” at up-right corner.



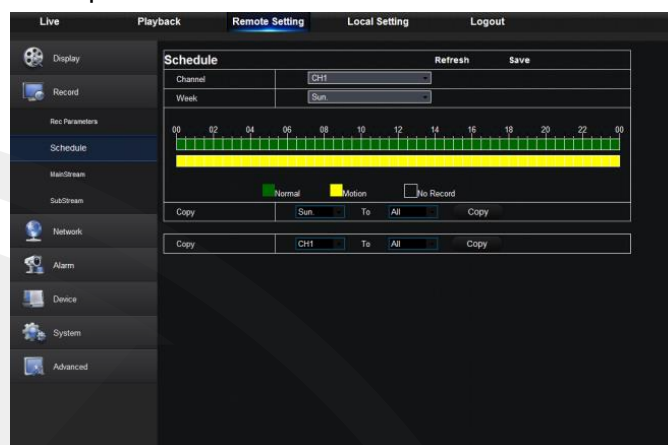
5.3.3.2 Record

Click <Record> option to unfold its sub-options: Record parameter, Schedule and Stream configuration.

Record Parameters: The parameters should be consistent with X2RxN local setting.

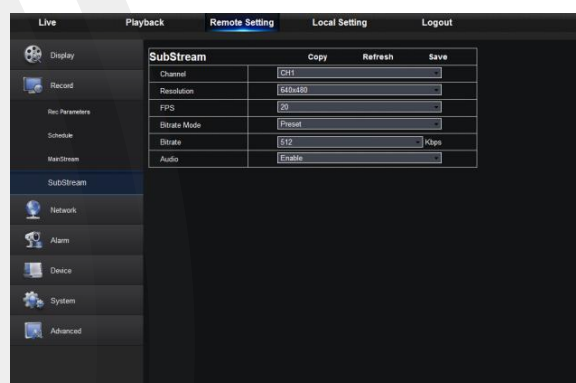
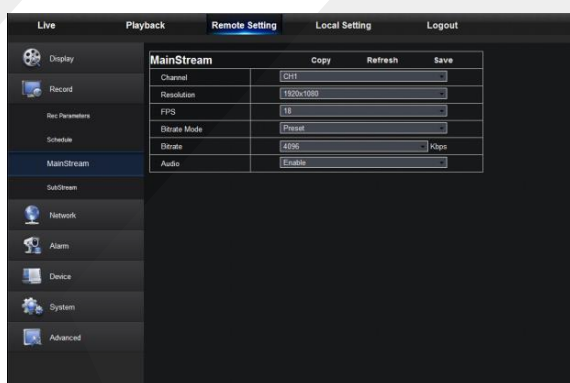


Record Schedule: The parameters should be consistent with X2RxN local setting.



Green stands for Normal record; Yellow stands for Motion detection; Red stands for I/O trigger record.

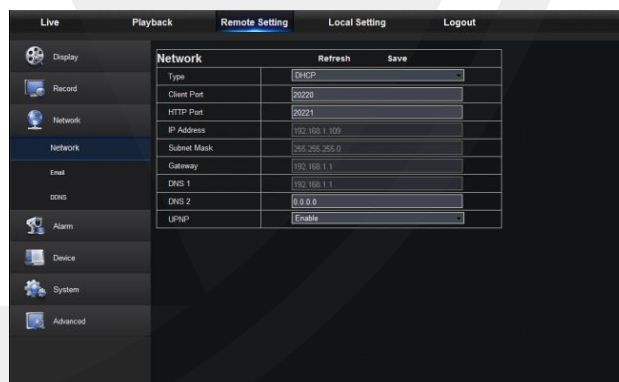
Stream setting: User may set Mainstream and Sub-stream. The relevant parameters should be consistent with X2RxN local setting.



5.3.3.3 Network

Unfold <Network> to show its sub-options: Network, Email, and DDNS configuration.

LAN setting: X2RxN supports Static/DHCP/PPPOE modes. System default network type is <Static>. User can set parameters as required. After the network parameters are modified successfully, X2RxN will automatically restart.



Email: Set X2RxN alarm Email configuration parameters, including Email address, SSL, Email Enable, Interval and Email Schedule, etc. Detailed parameters should be consistent with X2RxN local setting.

The screenshot shows the 'Remote Setting' tab for 'Email' configuration. The left sidebar lists various settings: Display, Record, Network, Email (selected), DDNS, Alarm, Device, System, and Advanced. The main panel has tabs for 'Live', 'Playback', 'Remote Setting', 'Local Setting', and 'Logout'. Under 'Remote Setting', there are 'Email' and 'Email Test' sections. The 'Email' section contains a table with the following fields:

	Refresh	Save
Email	Enable	Schedule
SSL	Disable	
SMTP Port	25	
SMTP Server		
Sender Email		
Sender Pwd		
Receiver Email		
Interval	3Min	

Below the table is an 'Email Test' section.

DDNS: After user applies for DDNS service, you can enable <DDNS> function under any one network type mode (Static, DHCP and PPPoe). You may remotely visit the X2RxN through the domain name (http://domain name: Web port No). When visiting the X2RxN using DDNS, you should make sure the port and current IP can connect in public network (WAN). Details settings, including server address, host, user, and password, should be consistent with X2RxN local setting.

The screenshot shows the 'Remote Setting' tab for 'DDNS' configuration. The left sidebar lists various settings: Display, Record, Network, Email, DDNS (selected), Alarm, Device, System, and Advanced. The main panel has tabs for 'Live', 'Playback', 'Remote Setting', 'Local Setting', and 'Logout'. Under 'Remote Setting', there are 'DDNS' and 'DDNS Test' sections. The 'DDNS' section contains a table with the following fields:

	Refresh	Save
DDNS	Enable	
Server	CHANGEIP	
Host Name	hyuan.ddns.ms	
User Name	hyuan	
Password	*****	

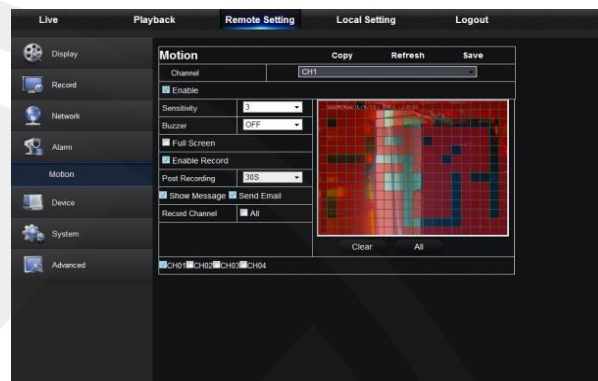
Below the table is a 'DDNS Test' section.

5.3.3.4 Alarm

Alarm setting includes Motion Detection and I/O Alarm Parameters.

Motion Detection: Configure Sensitivity, Alarm out, Alarm Record and Alarm Capture, etc.

Detailed settings should be consistent with the X2RxN local settings.



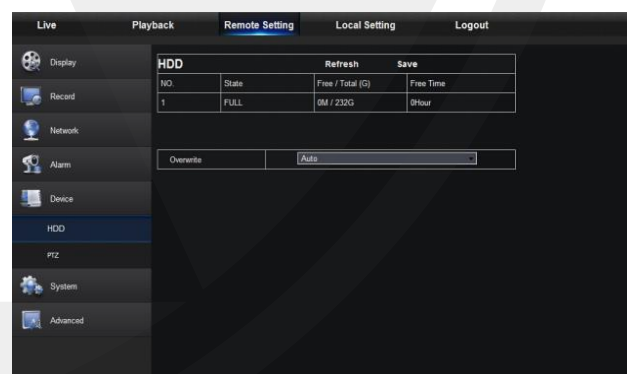
I/O alarm setting (not available on all models): Set parameters for I/O Alarm, Alarm Out, Alarm Record, Send Email, etc. Detailed setting should be consistent with the X2RxN local settings.



5.3.3.5 Device

Click <Device> to unfold its sub-options: HDD and PTZ

HDD: Check HDD status of X2RxN and overwritten time. Detail setting should be consistent with X2RxN local settings.



PTZ: (Not supported on all models)

Set the relevant parameters of PTZ. Detail setting should be consistent with X2RxN local settings.

The screenshot shows the 'Remote Setting' tab with the 'PTZ' sub-tab selected. The interface includes a left sidebar with options: Display, Record, Network, Alarm, Device, HDD, PTZ, System, and Advanced. The main area displays PTZ settings for 'CH1'. The settings are as follows:

	Copy	Refresh	Save
Channel	CH1		
Protocol	Pelco-D		
Baudrate	9600		
Data Bit	8		
Stop Bit	1		
Parity	None		
Cruise	Disable		
Address	1		

5.3.3.6 System

Click <System> option to unfold its sub-options: General, Users and information.

General: Check X2RxN language and video system and set system time, date/time format, menu display time, DST and NTP parameters. Detailed setting should be consistent with X2RxN local setting.

The screenshot shows the 'Remote Setting' tab with the 'System' sub-tab selected and the 'General' sub-tab active. The interface includes a left sidebar with options: Display, Record, Network, Alarm, Device, System, General, Users, Info, and Advanced. The main area displays General settings. The settings are as follows:

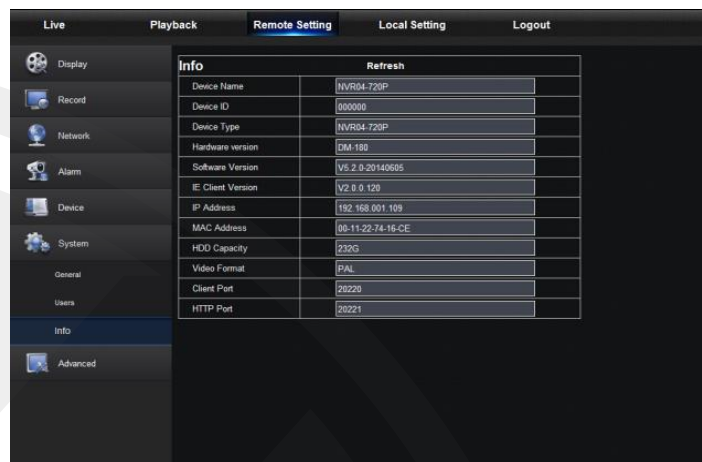
	Refresh	Save
System Time	8/4/2014 11:53:11	
Date Format	MM/DD/YY	
Time Format	24hour	
Language	ENGLISH	
Video Format	PAL	
Menu Time Out	30S	
Start show wizard	Enable	
<input checked="" type="radio"/> DST <input type="radio"/> NTP		

Users: Configure user name and password. Detailed setting should be consistent with X2RxN local setting.

The screenshot shows the 'Remote Setting' tab with the 'System' sub-tab selected and the 'Users' sub-tab active. The interface includes a left sidebar with options: Display, Record, Network, Alarm, Device, System, General, Users, Info, and Advanced. The main area displays Users settings. The settings are as follows:

	Refresh	Save		
NO.	User Name	Password	Active	User Name: admin
1	admin	Disable	Enable	Password: [input]
2	user1	Disable	Disable	Confirm: [input]
3	user2	Disable	Disable	Active: [input]
4	user3	Disable	Disable	Password: Disable
5	user4	Disable	Disable	
6	user5	Disable	Disable	
7	user6	Disable	Disable	

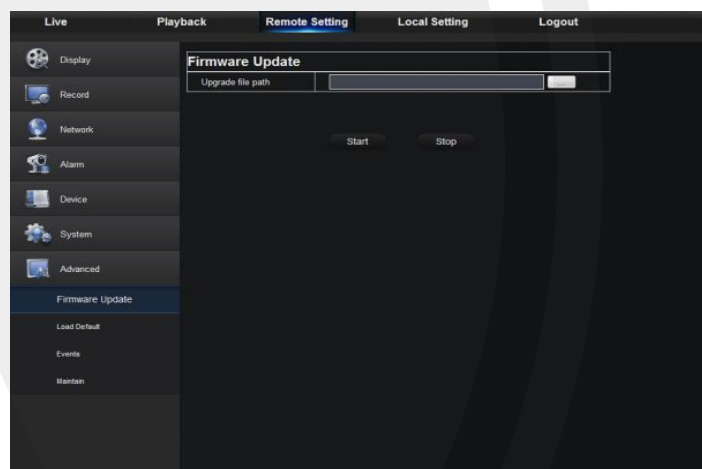
Information: Search device name, device number, device type, MAC address, software version, IE version and hardware version of X2RxN shown.



5.3.3.7 Advanced

Click Advance to unfold its sub-options: Firmware Update, Load default, Events and Maintain.

Firmware Update: Remotely update X2RxN system.

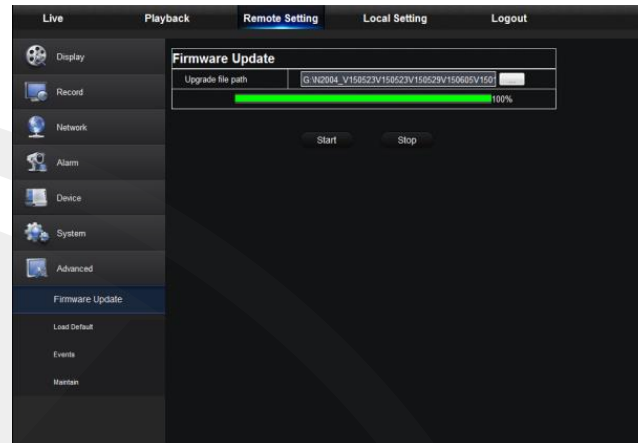


Updating procedure:

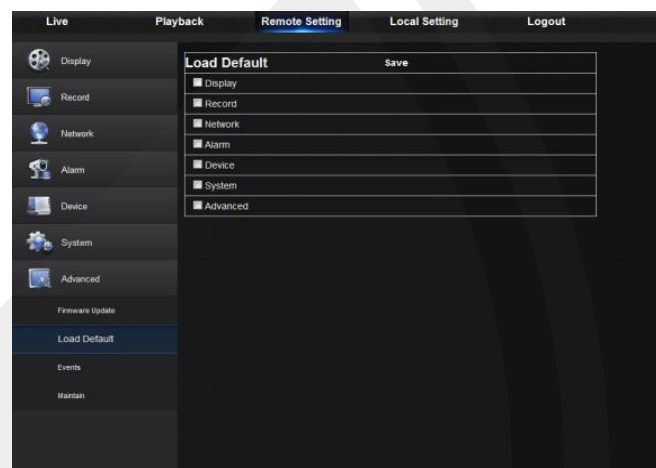
Firstly, select the update file path. The file format is .sw.



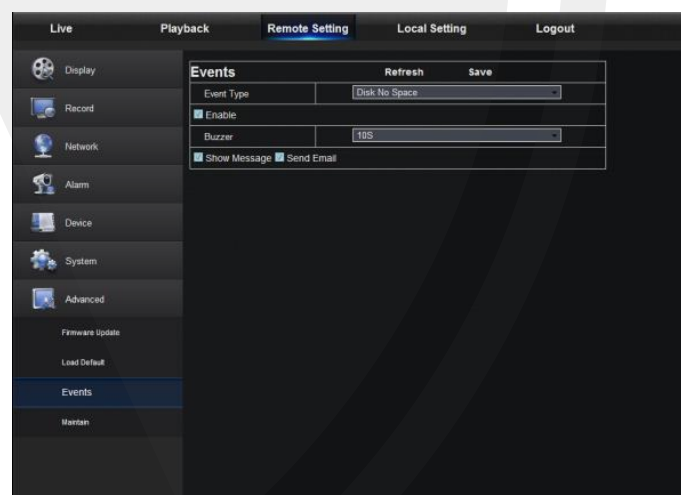
Secondly, click “Start” to start updating. The updating progress can be seen on the screen.



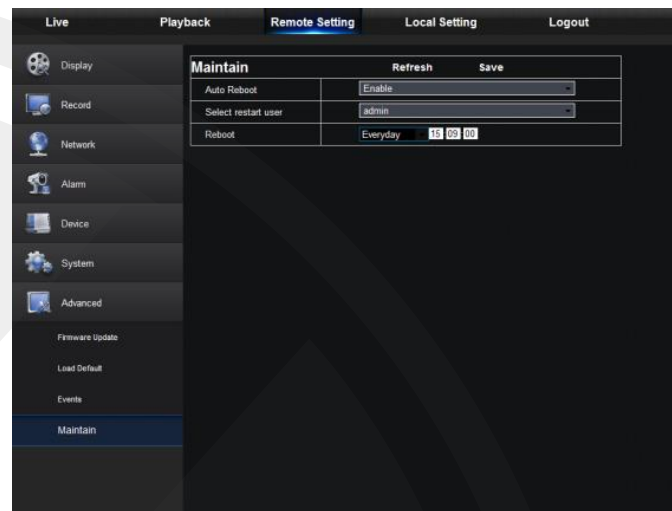
Load Default: Remotely restore default parameters of the X2RxN.



Events: Configure Event Type, Buzzer, Send Email, Show Message and other parameters. Detailed setting should be consistent with X2RxN local setting.

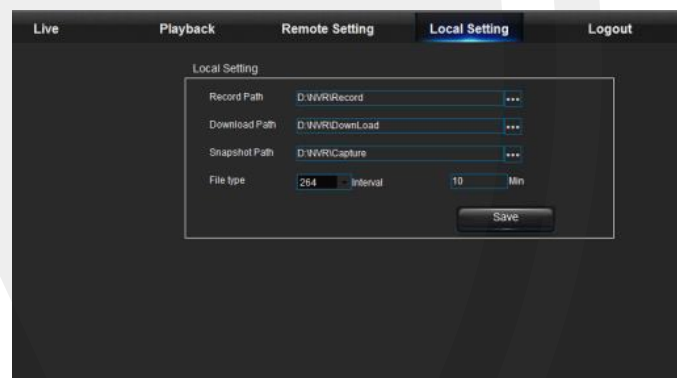


Maintain: Remotely set auto maintain time for X2RxN shown. Detailed setting should be consistent with X2RxN local setting.




5.3.4 Local Setting

Set Record Path (save Live record and Playback clip file), Download Path for remote file, Snapshot Path for captured pictures, Interval for switching record files (Packaging time), and File type (H264 and AVI) shown.



5.3.5 Logout

Click  to log out and return to the Login interface.

Chapter 6 Appendix

6.1 Troubleshooting

1. Q: What can I do if the system does not detect the HDD?
A: Check if the power supply system is properly connected and data cord and power cables are securely connected, or you may check if your HDD is supported by contacting your place of purchase.
2. Q: I have changed the password but forget the new password, how can I access the system?
A: If you forget system password, please consult with your place of purchase. We strongly suggest user to set password easy to be remembered and relatively safe.
3. Q: We see abnormal video signal or even no video signal by connecting the X2RxN and camera together. Power supply for both devices is OK. What is wrong?
A: Check network cable at X2RxN side to see if the cable is firmly connected and if it is worn out and needs to be replaced, check IP address and Stream/Resolution settings.
4. Q: How to prevent X2RxN from being influenced by heat?
A: The X2RxN needs to dissipate heat while it is running. Please place the X2RxN in a place with good air circulation and away from heat sources to ensure stability and life of the X2RxN.
5. Q: The remote controller doesn't work but the monitor screen is OK and panel keys are functional. Why?
A: Operate again by aiming the remote controller at the IR receiver on front panel. If it still doesn't work, please check if the batteries in the remote controller need replacing. If not, check with your place of purchase for advice.
6. Q: I want to take out HDD from my PC and install it in X2RxN. Can it work?
A: please check with your place of purchase if your HDD is supported in the X2RxN, also remember if you add a HDD to the X2RxN this will format your HDD and you will lose all information stored on it.
7. Q: Can I playback while recording?
A: Yes. The system supports the function of playing while recording.
8. Q: Can I clear some records on HDD of X2RxN?
A: In consideration of the file security, you may not clear part of records. If you want to remove all the records, you can format HDD.
9. Q: Why can't I find any records during playback?
A: please check your overwrite statues, you may have over written the date and time you are trying to search for. Also check status of HDD.
10. Q: Why doesn't dynamic detection work?
A: Please check if the motion detection alarm setting at IPC side is correct and if the

sensitivity is set too low.

11. Q: Why doesn't alarm work?

A: Please check if the alarm setting, alarm connection and alarm input signals are corrected correctly.

12. Q: Why does buzzer keep alarming?

A: Please check the alarm setting, check if motion detection function is enabled and object motion is detected all the time and if I/O alarm is set as Always Off. also, refer to corresponding HDD alarm setting.

13. Q: Why can't I stop recording by pressing "STOP" button or click "Stop Recording" in context menu?

A: Pressing Stop button can only stop manual record. If you want to stop Scheduled recording in certain time quantum, please change the setting to No Record. To stop Startup recording, please change record mode to scheduled recording or manual recording. Then you may stop recording by the prescribed methods. Another way of stopping recording is to set channel in record setting as off.

Chapter 7 Accessories



Remote Controller



Power transformer



USB Mouse



CD



User Manual

Chapter 8 Specifications

X2R4N Spec

Model	X2R4N
Recording Bandwidth	Max 25Mbps
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576)
Recording Compression	H.264
Display Split	1/4
live/Playback performance	D1/720P:4ch real-time 1080P :2ch real-time
Output Interface	1 HDMI, 1 VGA
Display Resolution	1920×1080, 1280×1024,1440x 900, 1280×720, 1024×768
Bit Rate	32 ~ 8192kbps
Record Mode	Continuous/Manual/Motion detect /Sensor/Alarm recording
Alarm Input/out	no
Ethernet	RJ-45 port (100M)
Smart Phone	iPhone, iPad, Android, Tablet - XIQCMS
Internal HDD	1 SATA HDDs, support 6TB,
e-Sata	option
USB	2 x 2.0 USB/ 3.0 USB for mouse
ONVIF	ONVIF Version 2.0 conformance
POE	4 PoE ports
Power Supply	NVR: DC 48V1.2A PoE Switch: DC48V
Dimension (W×D×H)	300X227X53mm

X2R8N Spec

Model	X2R8N
Recording Bandwidth	Max 100Mbps
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576)
Recording Compression	H.264
Display Split	1/4/8
live/Playback performance	D1/720P :8ch real-time; 1080P : 6ch real-time
Output Interface	1 HDMI, 1 VGA
Display Resolution	1920×1080, 1280×1024,1440x 900, 1280×720, 1024×768
Bit Rate	32 ~ 8192kbps
Record Mode	Continuous/Manual/Motion detect /Sensor/Alarm recording
Alarm Input/out	8ch Alarm in / 1ch alarm out
Ethernet	RJ-45 port (1000M)
Smart Phone	iPhone, iPad, Android, Tablet - XIQCMS
Internal HDD	2 SATA HDDs, each HDD max 6TB, Total 12TB
e-Sata	option
USB	1 x 3.0 USB for backup/upgrade , 2 x 2.0 USB for mouse
ONVIF	ONVIF Version 2.0 conformance
POE	8 PoE ports
Power Supply	NVR: DC 48V 2A PoE Switch: DC48V
Dimension (W×D×H)	380x340x50mm

X2R16N Spec

Model	X2R16N
Recording Bandwidth	Max 200Mbps
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576)
Recording Compression	H.264/H.265
Display Split	1/4/8/16
live/Playback performance	D1:16ch real-time; 720P:12ch real-time; 1080P: 6ch real-time
Output Interface	1 HDMI, 1 VGA
Display Resolution	1920×1080, 1280×1024,1440x 900, 1280×720, 1024×768
Bit Rate	32 ~ 8192kbps
Record Mode	Continuous/Manual/Motion detect /Sensor/Alarm recording
Alarm Input/out	8ch Alarm in / 1ch alarm out
Ethernet	RJ-45 port (1000M)
Smart Phone	iPhone, iPad, Android, Tablet - XIQCMS
Internal HDD	2 SATA HDDs, each HDD max 6TB, Total 12TB
e-Sata	option
USB	1 x 3.0 USB for backup/upgrade , 2 x 2.0 USB for mouse
ONVIF	ONVIF Version 2.0 conformance
POE	16 PoE ports
Power Supply	NVR: 220V 190W PoE Switch: DC48V
Dimension (W×D×H)	380x340x50mm

X2R32N Spec

Model	X2R32N
Recording Bandwidth	Max 200Mbps
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576)
Recording Compression	H.264/H.265
Display Split	1/4/8/16/32
live/Playback performance	D1:16ch real-time; 720P:12ch real-time; 1080P: 6ch real-time
Output Interface	1 HDMI, 1 VGA
Display Resolution	1920×1080, 1280×1024,1440x 900, 1280×720, 1024×768
Bit Rate	32 ~ 8192kbps
Record Mode	Continuous/Manual/Motion detect /Sensor/Alarm recording
Alarm Input/out	16ch Alarm in / 4ch alarm out
Ethernet	RJ-45 port (1000M)
Smart Phone	iPhone, iPad, Android, Tablet - XIQCMS
Internal HDD	8 SATA HDDs, each HDD max 6TB, Total 48TB
e-Sata	1
USB	1 x 3.0 USB for backup/upgrade , 2 x 2.0 USB for mouse
ONVIF	ONVIF Version 2.0 conformance
POE	16 PoE ports
Power Supply	AC 100~240V/ 5A, 50~60Hz
	PoE Switch: DC48V
Dimension (W×D×H)	440 x460x89mm

X2R32EN Spec

Model	X2RN32EN
Recording Bandwidth	Max 200Mbps
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576)
Recording Compression	H.264
Display Split	1/4/8/16/32
live/Playback performance	D1:16ch real-time; 720P:12ch real-time; 1080P: 6ch real-time
Output Interface	1 HDMI, 1 VGA
Display Resolution	1920×1080, 1280×1024,1440x 900, 1280×720, 1024×768
Bit Rate	32 ~ 8192kbps
Recording Mode	Continuous/Manual/Motion detect /Sensor/Alarm recording
Alarm Input/out	8ch Alarm in / 1ch alarm out
Ethernet	RJ-45 port (1000M)
Smart Phone	iPhone, iPad, Android, Tablet - XIQCMS
Internal HDD	2 SATA HDDs, each HDD max 6TB, Total 12TB
USB	1 x 3.0 USB for backup/upgrade, 2 x 2.0 USB for mouse
ONVIF	ONVIF Version 2.0 and above conformance
Power Supply	DC 12V 5A
Dimension (W×D×H)	380x340x50mm

Manufactured exclusively for:



www.xvision.com



RoHS
Compliant



TECHNICAL SUPPORT

For technical support, please contact your local distributor.

Alternatively, 0871 222 1430

LIMITED WARRANTY

This product is supplied with a 12 month warranty (extendable to 3 years). 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.

Xvision UK, Unit 2 Valley Point, Beddington Farm Road, Croydon, Surrey CR0 4WP

www.xvision.com