
Content

1 Product Introduction	3
2 Installation.....	3
2.1 Open-package Inspection	3
2.2 Hard Disk Installation.....	3
3,Local operation guide.....	4
3.1 Boot operation	4
3.1.1 Launch.....	4
3.1.2 Boot Guide.....	4
3.2 Right Click Menu.....	6
3.3 Main Menu	9
3.3.1 Playback.....	10
3.4.2 Record Backup	10
3.4.3 Network Config	11
3.4.3.1 Network	11
3.4.3.2 DDNS.....	11
3.4.3.3 UPNP.....	12
3.4.3.4 Email.....	12
3.4.3.5 Cloud.....	13
3.4.3.6 Wifi.....	13
3.4.3.7 Wireless Config	14
3.4.3.8 Net Service.....	14
3.4.4 Alarm	15
3.4.4.1 Motion Detect	15
3.4.4.2 Video Blind	15
3.4.4.3 Video Loss.....	16
3.4.4.4 Alarm Input	16
3.4.4.5 Alarm Output.....	17
3.4.4.6 Abnormality.....	17
3.4.5 HDD Manage.....	18
3.4.5.1 HDD Manage.....	18
3.4.5.2 HDD Info.....	18
3.4.6 Record.....	19

3.4.7 Channel Management	19
3.4.7.1 Channel Status	19
3.4.7.2 Channel Type	20
3.4.8 System	20
3.4.8.1 General.....	20
3.4.8.2 Encode	21
3.4.8.3 GUI Display	21
3.4.8.4 PTZ Config	22
3.4.8.5 Tour	22
3.4.8.6 Output Adjust.....	23
3.4.8.7 Restore.....	23
3.4.8.8 RS232	24
3.4.8.9 Account.....	24
3.4.9 Advanced.....	25
3.4.9.1 Version	25
3.4.9.2 Log	25
3.4.9.3 BPS	26
3.4.9.4 Online User.....	26
3.4.9.5 Device Info	27
3.4.9.6 Upgrade.....	27
3.4.9.7 Auto Maintain.....	28
3.4.9.8 Import/Export	28
3.4.10 Logout	29

1 Product Introduction

The XVR is a professional video surveillance and storage equipment, it adopt embedded Linux operation system, support high-efficiency H.264 video compression standard, advantage hard disk storage technology and multiple network protocols, realize high image quality, low bit rate, long time storage and strong network transmission and management functions, also can done the preview, control and playback in local interface.

The XVR can apply in bank, communication, electricity, judiciary, traffic, education, hotel, community and factory video surveillance systems.

2 Installation

2.1 Open-package Inspection

Please check the product package if there is damage first when you get it. The protective material of product package can suffer most of unexpected impact during transporting. Then take out the device, take off the plastics protective film and check it if there is damage. At last, open device case, check the connection of all cables if loose.

2.2 Hard Disk Installation

a, use a cross screwdriver to unscrew the screw in device case, then open the case.

b, fix the hard disk in the baseboard via screws

c, connect the hard disk data cable and power cable

d, close the device case, fix it via screws

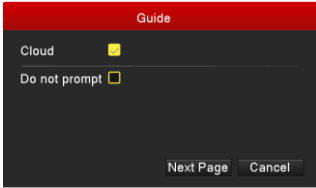
3, Local operation guide

3.1 Boot operation

3.1.1 Launch

Connect power adapter, put on power switch, then power light on. Connect XVR with monitor via HDMI or VGA cable, there will appear boot guide interface.

3.1.2 Boot Guide



Select “cloud” to enable cloud service function.

Select “Do not prompt”,XVR will not appear the Guide interface.

Click “Next Page” top enter next option,click “Cancel” to exit the Guide settings directly.

【Cloud Setting】



Scan IOS and Android QR code to download and install the mobile app, then scan the SN QR code to add the XVR to mobile app(please reference mobile app user manual).

Click “Next Page”.

【General Config】



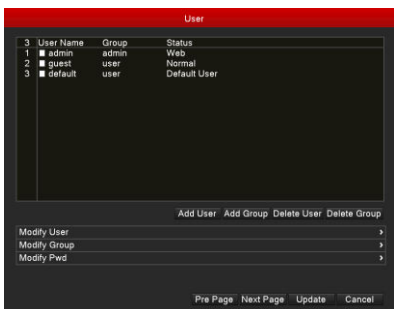
Configure XVR time,time format,date,date format,language,video standard, auto logout time,click “Next Page”

【 Network Config】



Configure XVR network parameters,click “Next Page”

【 User】



Configure user account name, password and permission, click “Next Page”.

【 Hard Disk】



Format hard disk and check the status,click "Next Page"

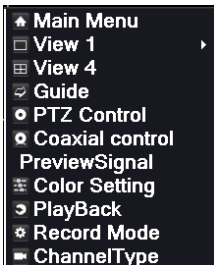
【 Save Config】



Click "OK" to save the Guide settings.

3.2 Right Click Menu

After launched normally, right click screen window, there will appear the menu as shown below.



【 Main Menu】

Click to enter main menu interface

【 View 1】

Select one channel to display single channel video

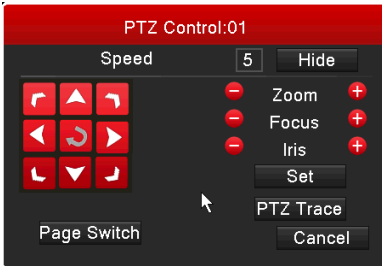
【 View 4】

Select four channels to display four channels video

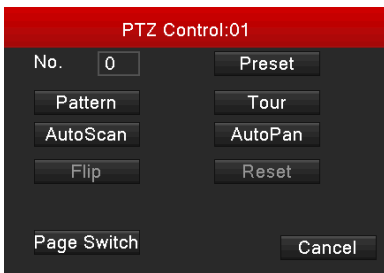
【 Guide】

Click to enter Boot Guide interface

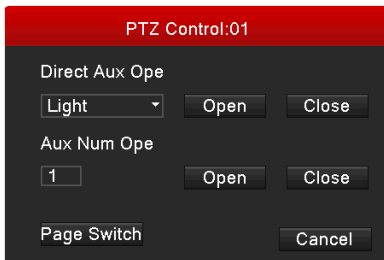
【PTZ Control】



Click "PTZ Control" to enter PTZ control Interface, then you can control speed, zoom, focus, iris and directions. Click "Page Switch"



Set preset place, pattern, tour and scan, click "Page Switch"

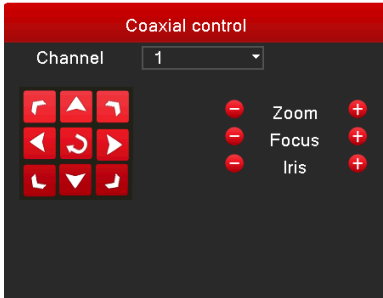


Set light, click "Page Switch".



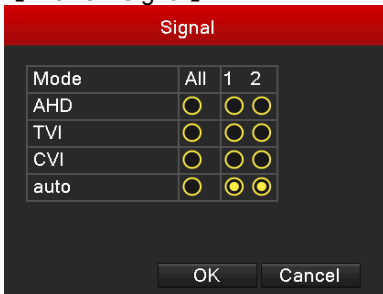
Enter and set camera menu

【Coaxial Control】



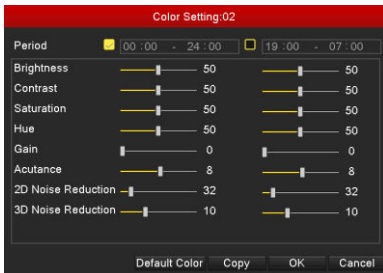
Click “Coaxial Control” to enter coaxial control interface.

【Preview Signal】



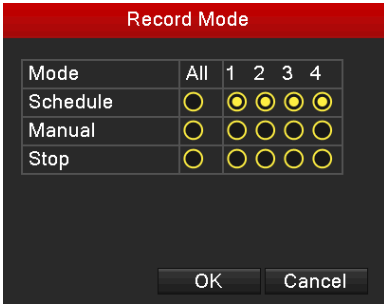
Click “Preview Signal” to enter preview signal selection interface, to set AHD/TVI/CVI signal preview

【Color Setting】



Click “Color Setting” to enter color setting interface, then you can set the image parameters of XVR.

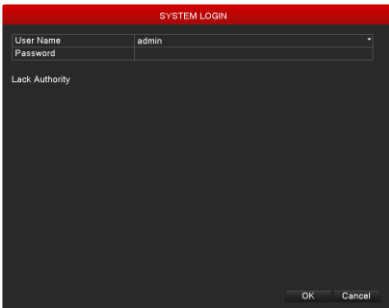
【Record Mode】



Click “Record Mode” to enter record mode interface to configure schedule/manual/stop record mode.

3.3 Main Menu

Login system to enter main menu interface

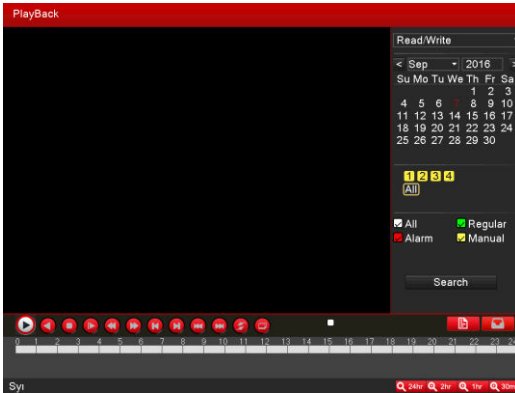


Default password is null, click “OK”



3.3.1 Playback

Click “Playback” icon to enter playback interface



Select playback time,channel and record type,click “Search”,then there will display the detailed storage time on the time line, click it at any time, there will playback the record in window.

3.4.2 Record Backup

Click “Backup” icon to enter record backup interface



Insert U disk into USB port,select backup channel,file type,record time and format,click “Search”,there will show the detailed record files in below list. Select the record file,click “Backup” to done the backup operations.

3.4.3 Network Config

Click “Network Config” icon to enter enter configuration interface.

3.4.3.1 Network

The screenshot shows the 'Network Config' window with a sidebar on the left containing menu items: Network, DDNS, UPNP, EMAIL, Cloud, Wifi, Wireless Config, and Net Service. The main area is titled 'Network Config' and contains the following settings:

Net Card	Wire Netcard
DHCP Enable	<input type="checkbox"/>
IP Address	172 . 16 . 25 . 99
Subnet Mask	255 . 255 . 255 . 0
Gateway	172 . 16 . 25 . 1
Primary DNS	202 . 96 . 134 . 133
Secondary DNS	8 . 8 . 8 . 8
Network Testing	
TCP Port	34567
HTTP Port	80
MTU	1500
HS Download	<input type="checkbox"/>
Transfer Policy	Quality Preferred

At the bottom right, there are three buttons: OK, Cancel, and Application.

Click “Network” to enter network parameters interface to configure XVR IP address, subnet mask, gateway, DNS address, ports, etc...

3.4.3.2 DDNS

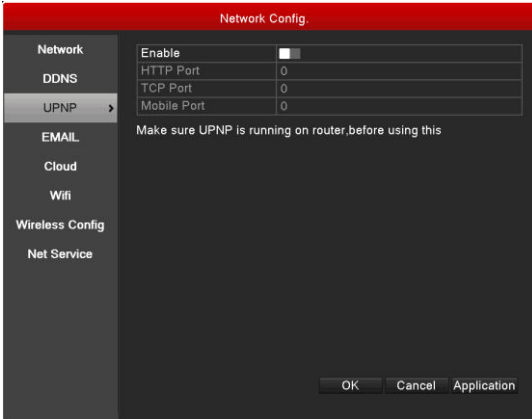
The screenshot shows the 'Network Config' window with the 'DDNS' menu item selected in the sidebar. The main area is titled 'Network Config' and contains the following settings:

DDNS Type	CN99
Enable	<input type="checkbox"/>
Domain Name	your.3322.org
User Name	
Password	

At the bottom right, there are three buttons: OK, Cancel, and Application.

Click “DDNS” to enter DDNS settings interface, configure DDNS function can support remotely visit XVR via domain address.

3.4.3.3 UPNP



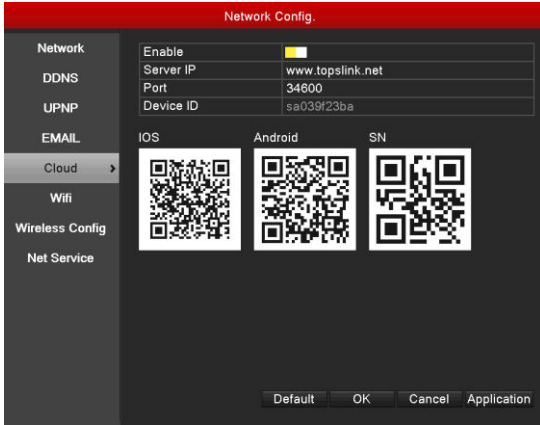
Click "UPNP" to enter UPNP settings interface, enable UPNP to realize auto-map all ports (Note: The router also need enable UPNP function)

3.4.3.4 Email



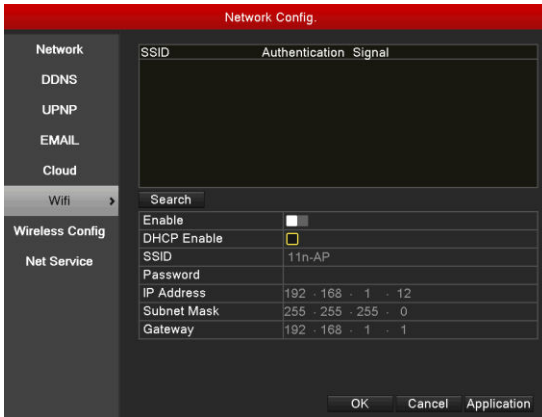
Click "Email" icon to enter email settings interface, configure email function can support alarm email linkage.

3.4.3.5 Cloud



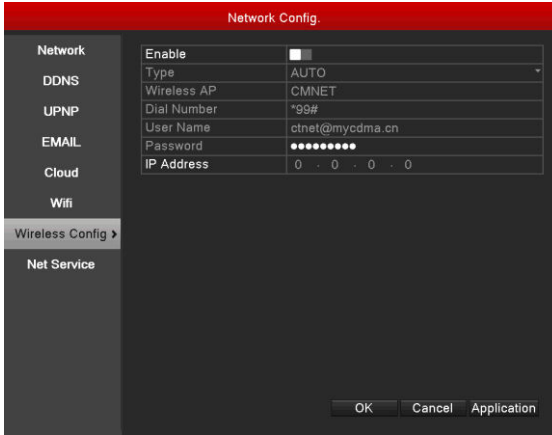
Click “Cloud” to enter cloud settings interface. Enable cloud function to support P2P connection via mobile App, web and CMS.

3.4.3.6 Wifi



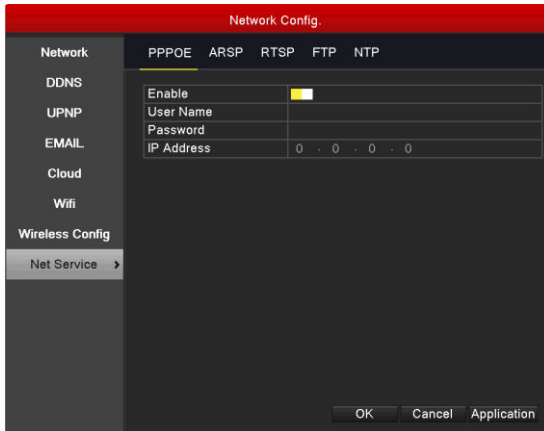
Click “WiFi” to enter WiFi settings interface. Configure WiFi function to connect WiFi router with wireless (Note: this function need XVR connect WiFi module)

3.4.3.7 Wireless Config



Click “Wireless Config” to enter wireless dial-up settings interface,enable it to realize 3G/4G wireless connection function (Note: this function need XVR connect 3G/4G module)

3.4.3.8 Net Service



Click “Net Service” function, then you can configure PPPOE/ARSP/RTSP/FTP/NTP functions

3.4.4 Alarm

Click “Alarm” icon to enter alarm management interface

3.4.4.1 Motion Detect

The screenshot shows the 'Alarm' management interface with the 'Motion Detect' tab selected. The settings are as follows:

Category	Setting	Value
Motion Detect	Channel	1
Motion Detect	Enable	<input checked="" type="checkbox"/>
Video Blind	Sensitivity	Middle
Video Loss	Region	Set
Alarm Input	Period	Set
Alarm Output	Interval/Sec.	1
Abnormality	Delay/Sec.	10
Abnormality	Alarm Output	<input type="checkbox"/>
Abnormality	Record delay/Sec.	10
Abnormality	Record Channel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abnormality	Tour	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abnormality	PTZ Activation	Set
Other	Show Message	<input checked="" type="checkbox"/>
Other	Send Email	<input type="checkbox"/>
Other	Buzzer	<input type="checkbox"/>
Other	FTP upload	<input type="checkbox"/>

Buttons at the bottom: Advanced, OK, Cancel, Application

Click “Motion Detect” to enter motion detection alarm settings interface.

Select channel number and enable it, configure sensitivity,region,period and alarm linkage.

3.4.4.2 Video Blind

The screenshot shows the 'Alarm' management interface with the 'Video Blind' tab selected. The settings are as follows:

Category	Setting	Value
Motion Detect	Channel	1
Motion Detect	Enable	<input checked="" type="checkbox"/>
Video Blind	Sensitivity	Middle
Video Loss	Region	Set
Alarm Input	Period	Set
Alarm Output	Delay/Sec.	10
Abnormality	Alarm Output	<input type="checkbox"/>
Abnormality	Record delay/Sec.	10
Abnormality	Record Channel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abnormality	Tour	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abnormality	PTZ Activation	Set
Other	Show Message	<input type="checkbox"/>
Other	Send Email	<input type="checkbox"/>
Other	Buzzer	<input type="checkbox"/>
Other	FTP upload	<input type="checkbox"/>

Buttons at the bottom: Advanced, OK, Cancel, Application

Click “Video Blind” to enter video blind alarm settings interface. Select channel number and enable it, configure sensitivity, region, period and alarm linkage.

3.4.4.3 Video Loss

The screenshot shows the 'Alarm' settings interface with the 'Video Loss' section selected. The interface is dark-themed with a red header. On the left, a sidebar lists 'Motion Detect', 'Video Blind', 'Video Loss', 'Alarm Input', 'Alarm Output', and 'Abnormality'. The main area displays the following settings:

Channel	1
Enable	<input checked="" type="checkbox"/>
Period	Set
Delay/Sec.	10
Alarm Output	<input type="checkbox"/>
Record delay/Sec.	10
Record Channel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Tour	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
PTZ Activation	Set
Other	<input type="checkbox"/> Show Message <input type="checkbox"/> Send Email <input type="checkbox"/> Buzzer <input type="checkbox"/> FTP upload

At the bottom, there are buttons for 'Advanced', 'OK', 'Cancel', and 'Application'.

Click “Video Loss” to enter video lost alarm settings interface. Select channel number and enable it, configure sensitivity, region, period and alarm linkage.

3.4.4.4 Alarm Input

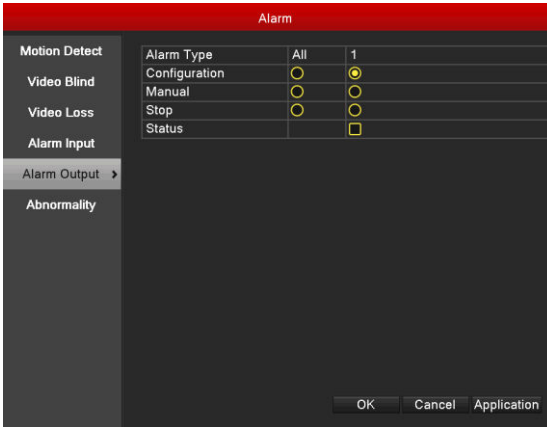
The screenshot shows the 'Alarm' settings interface with the 'Alarm Input' section selected. The interface is dark-themed with a red header. On the left, a sidebar lists 'Motion Detect', 'Video Blind', 'Video Loss', 'Alarm Input', 'Alarm Output', and 'Abnormality'. The main area displays the following settings:

Alarm In	1
Enable	<input checked="" type="checkbox"/>
Type	Normal Open
Period	Set
Interval/Sec.	1
Delay/Sec.	10
Alarm Output	<input type="checkbox"/>
Record delay/Sec.	10
Record Channel	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Tour	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
PTZ Activation	Set
Other	<input type="checkbox"/> Show Message <input type="checkbox"/> Send Email <input type="checkbox"/> Buzzer <input type="checkbox"/> FTP upload

At the bottom, there are buttons for 'Advanced', 'OK', 'Cancel', and 'Application'.

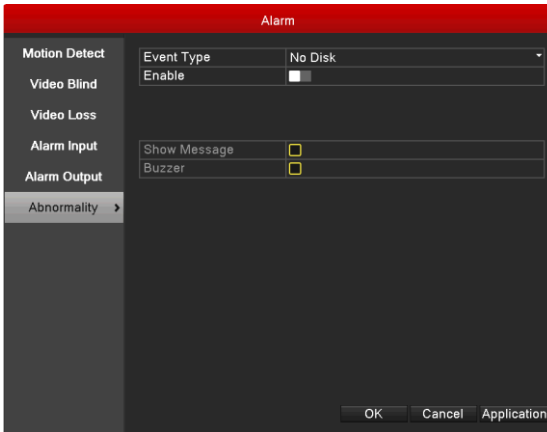
Click “Alarm Input” to enter alarm input alarm settings interface. Select channel number and enable it, configure sensitivity, region, period and alarm linkage.

3.4.4.5 Alarm Output



Click “Alarm Output” to enter alarm output linkage settings interface and configure it.

3.4.4.6 Abnormality

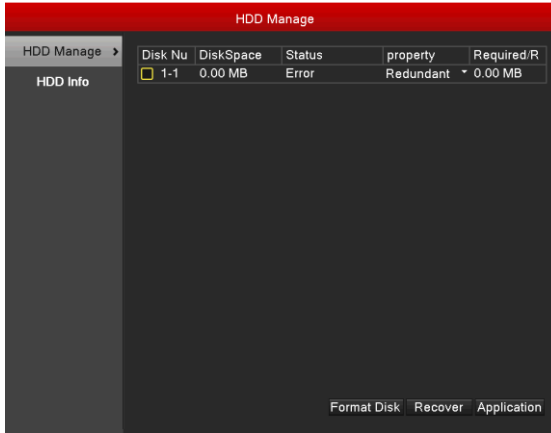


Click “Abnormality” to enter abnormality alarm settings interface. Select the event type and enable to configure it.

3.4.5 HDD Manage

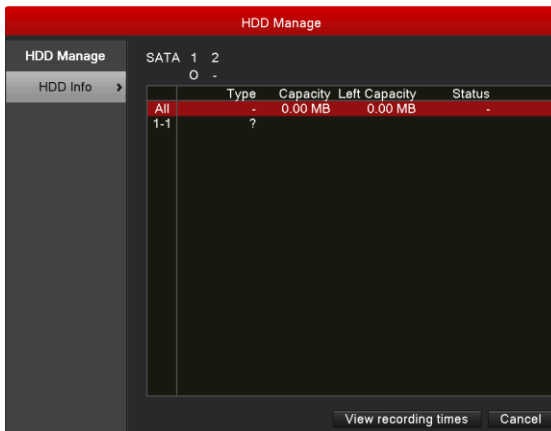
Click “HDD Manage” icon to enter hard disk management interface

3.4.5.1 HDD Manage



Select hard disk, click “Format Disk” to format the HDD, then you can check the hard disk status and set the property.

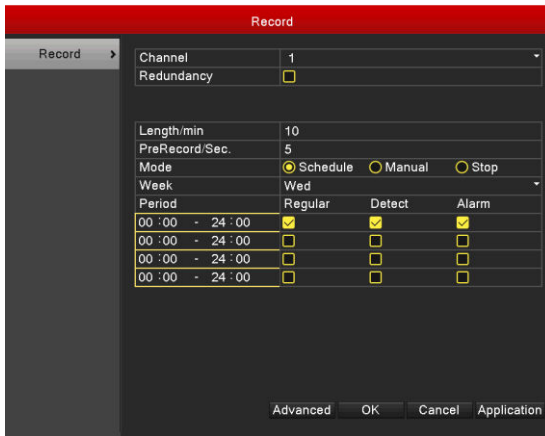
3.4.5.2 HDD Info



Click “HDD Info” to enter hard disk info interface to check the detailed capacity and status.

3.4.6 Record

Click “Record” icon to enter record settings interface.

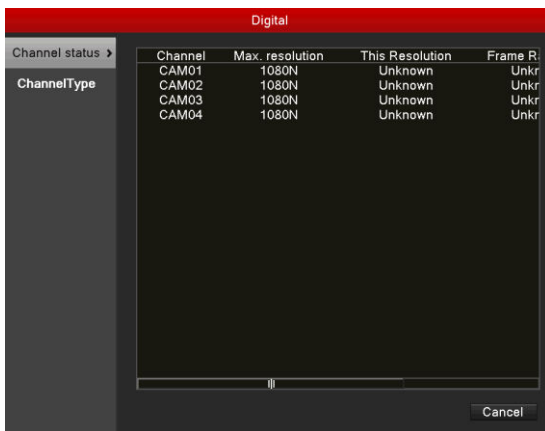


Select record channel,configure record length,prerecord time,record mode and record period,click “OK”.

3.4.7 Channel Management

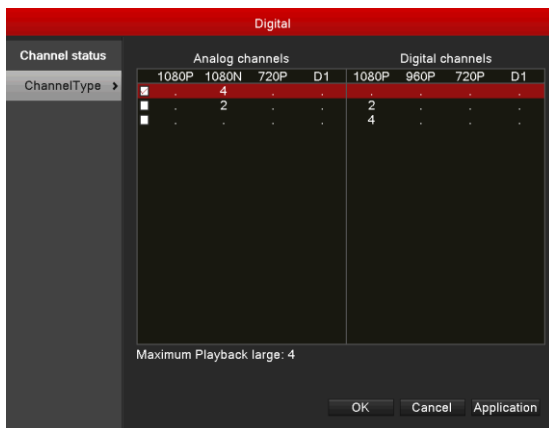
Click “Digital” icon to enter channel management interface

3.4.7.1 Channel Status



Click “Channel Status” to check the detailed channels status

3.4.7.2 Channel Type

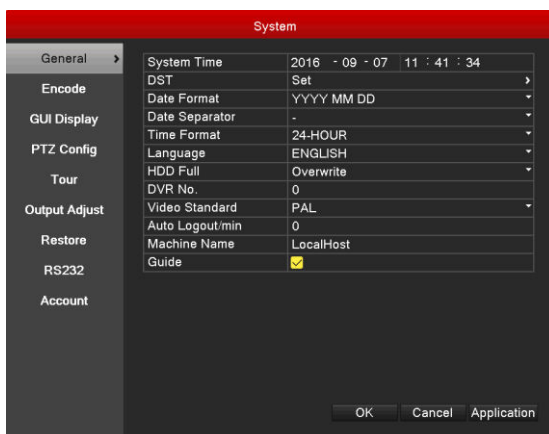


Click "Channel Type" to enter channel type selection interface. Check and select the channel mode,click "OK".

3.4.8 System

Click "System" icon to enter system settings interface.

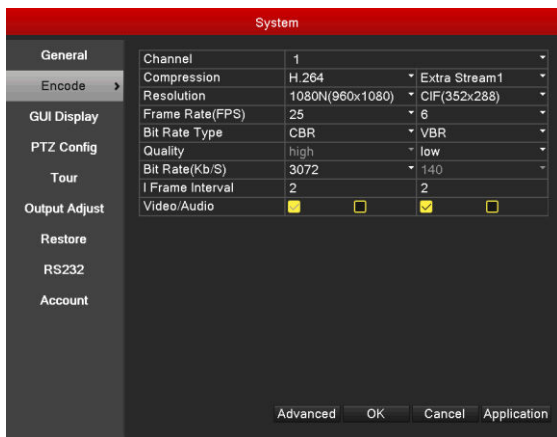
3.4.8.1 General



Click "General" to enter system general settings interface,then you can configure

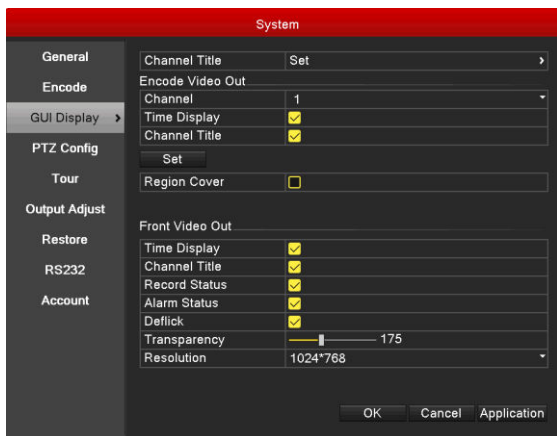
the system time,date,format,language,video standard etc.

3.4.8.2 Encode



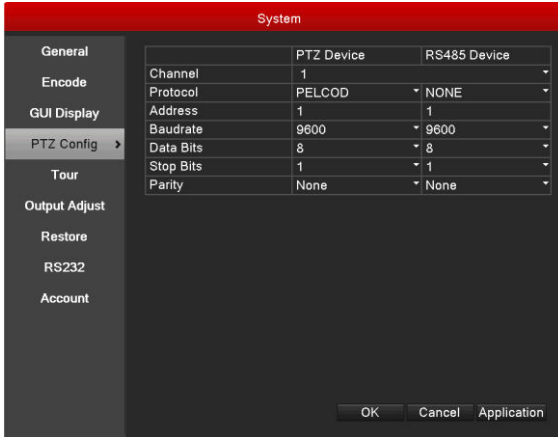
Click “Encode” to enter encode settings interface.Select channel number and configure the compression,resolution,frame rate,bit rate and I frame interval settings.

3.4.8.3 GUI Display



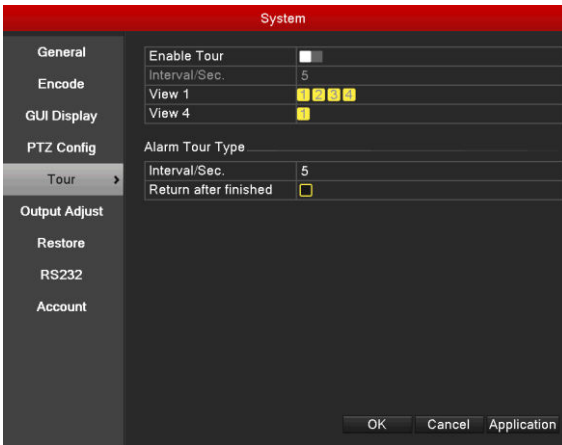
Click “GUI Display” to enter GUI display settings interface,then you can configure the detailed channel display settings

3.4.8.4 PTZ Config



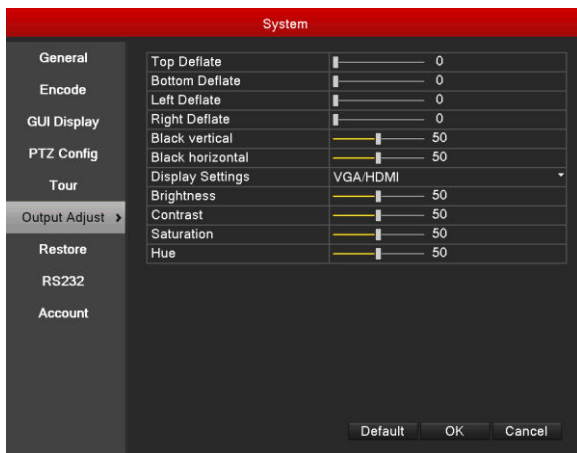
Click “PTZ Config” to enter PTZ settings interface,configure the parameters,click “OK”.

3.4.8.5 Tour



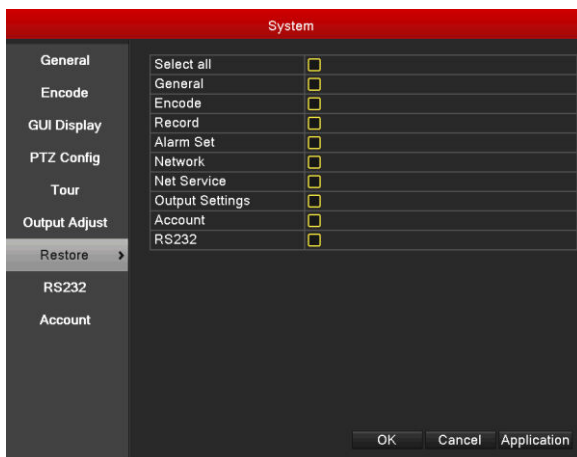
Click “Tour” to enter tour settings interface, enable and select the tour channels and interval time.

3.4.8.6 Output Adjust



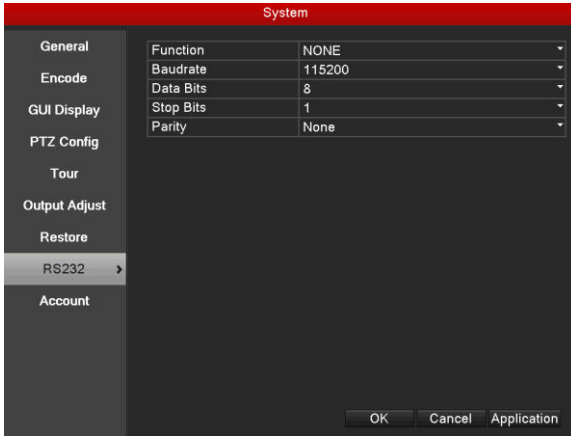
Click “Output Adjust” to enter output adjust interface to configure output image parameters.

3.4.8.7 Restore



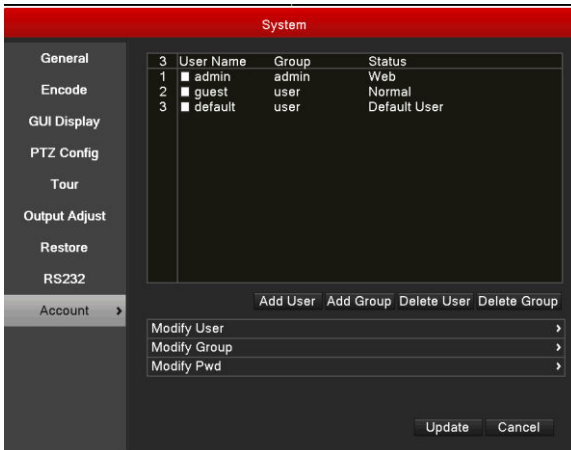
Click “Restore” to enter restore settings interface, select the menu and click “OK” to restore the settings back to factory.

3.4.8.8 RS232



Click "RS232" to enter RS232 settings interface to configure the parameters

3.4.8.9 Account

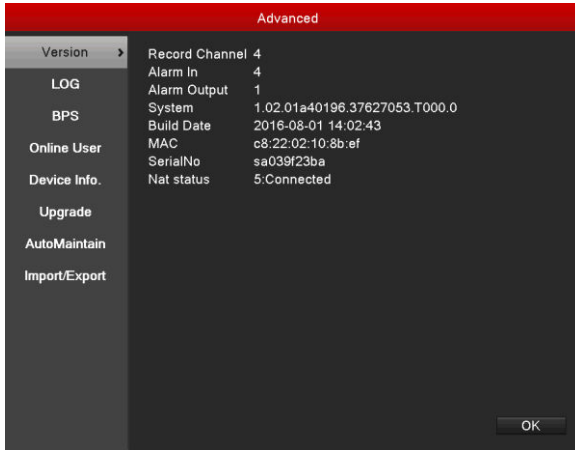


Click "Account" to enter user account management interface. You can do the operations to add, delete and modify the account name, password and group.

3.4.9 Advanced

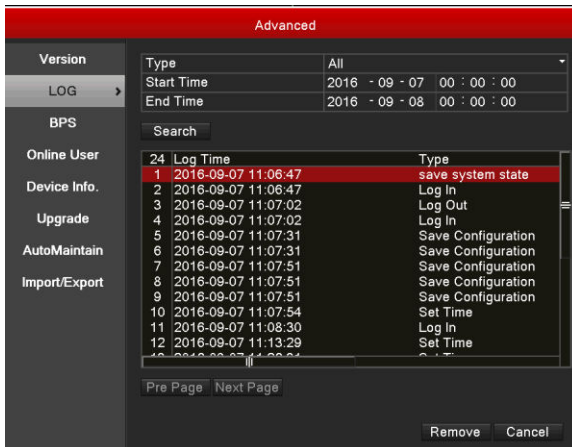
Click “Advanced” to enter advanced settings.

3.4.9.1 Version



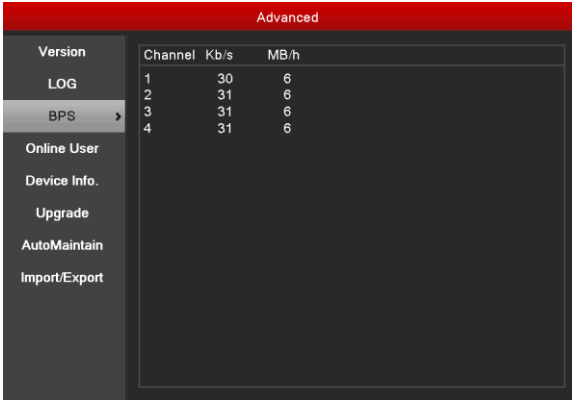
Click “Version” to check the XVR version info.

3.4.9.2 Log



Click “Log” to enter log management interface. Select log type, start time and end time, click “Search”, there will show the detailed log info in the below list

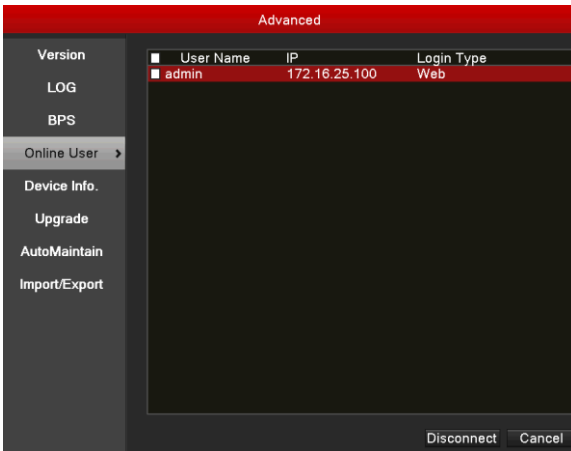
3.4.9.3 BPS



Channel	Kb/s	MB/h
1	30	6
2	31	6
3	31	6
4	31	6

Click “BPS” to check the channels bit rate status.

3.4.9.4 Online User

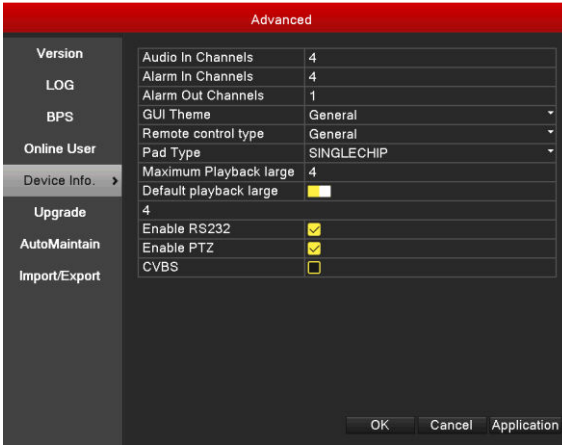


User Name	IP	Login Type
admin	172.16.25.100	Web

Disconnect Cancel

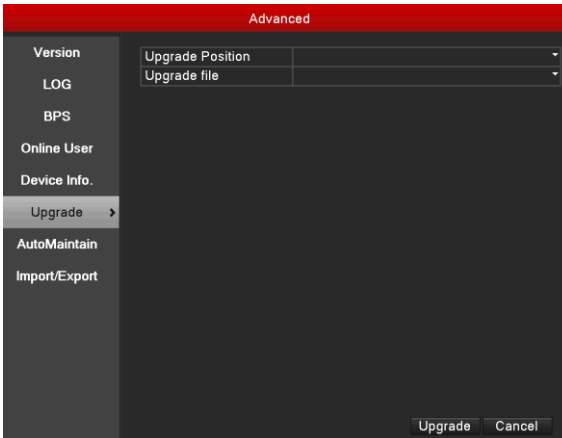
Click “Online User” to check the current online user status

3.4.9.5 Device Info



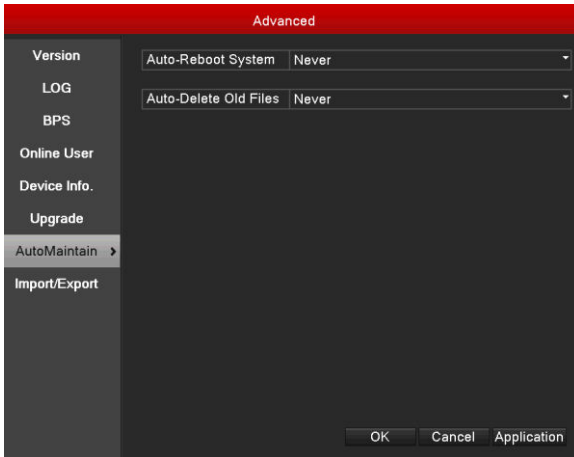
Click “Device Info” to check the XVR hardware configuration info

3.4.9.6 Upgrade



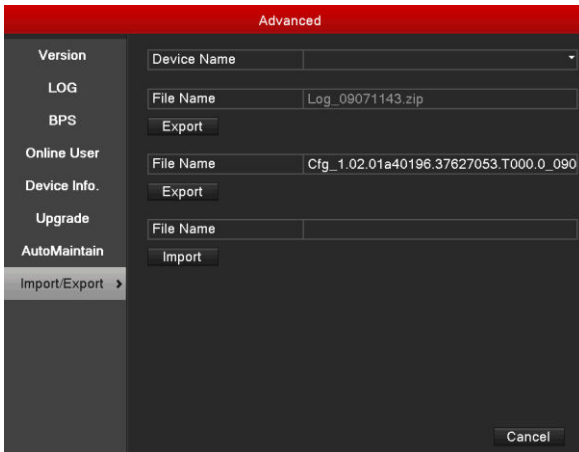
Click “Upgrade” to enter system upgrade interface, copy firmware file in U disk, then insert it into XVR USB port, select upgrade file,click “Upgrade”.

3.4.9.7 Auto Maintain



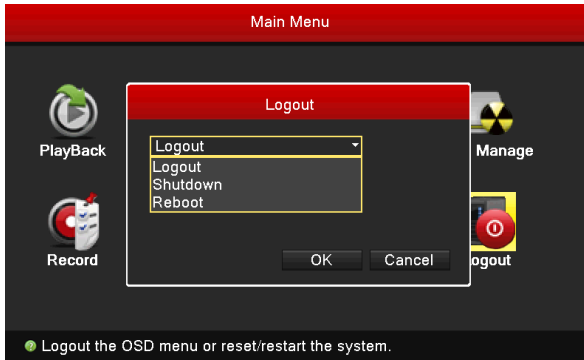
Click "Auto Maintain" to enter auto maintain interface, you can set the auto-reboot time and auto-delete old files.

3.4.9.8 Import/Export



Click "Import/Export" to enter import and export configuration file interface, you can do the import and export system configuration file operations.

3.4.10 Logout



Click "Logout" icon to enter logout system interface. Select logout, shutdown and reboot, click "OK".

