



NVR
Network Video Recorder



 **Contract Holder**
Contract GS-07F-246BA



Contents

SAFETY INSTRUCTION.....3

CHAPTER 1 OVERVIEW OF NVR..... 1

 1.1 REAR PANEL..... 1

 1.2 REMOTE CONTROLLER.....2

CHAPTER 2 NVR CONNECTION..... 3

 2.1 HDD INSTALLATION.....3

 2.2 IP CAMERA AND MONITOR CONNECTION.....3

 2.3 POWER SUPPLY CONNECTION..... 3

CHAPTER 3 NVR BOOT UP.....3

 3.1 SYSTEM INITIALIZATION..... 3

 3.2 STARTUP WIZARD.....4

 3.3 MAIN INTERFACE..... 6

CHAPTER 4 NVR MENU..... 7

 POPUP MENU.....7

 4.2 MAIN MENU.....10

 4.2.1 Parameter..... 11

 4.2.2 Record Search..... 25

 4.2.3 Device.....34

 4.2.4 System.....36

 4.2.5 Advanced..... 42

 4.2.6 Shutdown..... 44

 4.3 MENU LOCK..... 44

 4.4 SPLIT MODE.....45

 4.5 STREAM SWITCH..... 45

 4.6 VIEW IMAGE QUALITY..... 45

 4.7 START SEQUENCE.....45

 4.8 MUTE..... 45

 4.9 START CRUISE..... 45

CHAPTER 5 WEB APPLICATION MANAGER..... 47

 5.1 ACTIVE X CONTROL DOWNLOAD AND INSTALLATION.....47

 5.2 WEB APPLICATION MANAGER LOGIN.....48

 5.3 LIVE INTERFACE..... 49

 5.3.1 Menu Bar.....49

 5.3.2 Playback.....51

 5.3.3 Parameter Setting.....54

 5.3.4 Local Setting.....65

 5.3.5 Logout.....65

CHAPTER 6 APPENDIX..... 66

6.1 TROUBLESHOOTING..... 66

6.2 USAGE MAINTENANCE..... 67

6.3 SYSTEM CONNECTION DIAGRAM..... 68

6.4 ACCESSORIES (GOODS IN KIND PREVAIL)..... 68



SAFETY INSTRUCTION

Please carefully read the following safety instruction so as to avoid personal injuries and prevent the equipment and other connection devices from being damaged.

1. Power sources (note: please use the power supply attached or specified by the manufacturer)

Never operate the equipment by unspecified power supply.

2. Never push objects of any kind through openings of NVR;

Never push objects of any kind through openings of NVR so as to avoid electric shock or other accidents.

3. Do not put the equipment in the dusty field;

Do not put the equipment in the dusty field.

4. Do not place the equipment under rain or humid environment

Do not place the equipment under humid environment like basement. If the equipment is in contact with water, please unplug the power cable and immediately contact your local dealer.

5. Keep the surface of the equipment clean and dry

Use soft damp cloth to clean the outer case of NVR (do not use liquid aerosol cleaners[®])

6. Do not operate if any problems are found

If there are any strange smell or sound, unplug the power cable and contact the authorized dealer or service center.

7. Do not try to remove the upper cover

Warning: Do not remove the cap of NVR so as to avoid electric shock.

8. Handle with care

If NVR does not work normally because of hitting on the hard object, please contact the authorized dealer for repair or replacement.

9. Use standard lithium battery(Note: Use the batteries attached or specified by the manufacturer)

After cutting off the power supply, if the system clock cannot continue to work, please replace the standard 3V lithium battery on the main board.

Warning: Turn off NVR before replacing the batteries, or you may be suffered from serious electric shock. Please properly dispose of the used batteries.

10. Put the equipment in a place with good ventilation.

The NVR system includes HDD, which produces large amount of heat during operation. As a result, do not block the ventilation openings(on the top, bottom, both sides and the reverse side) for cooling the system during operation. Install or put the equipment in the place with good ventilation.

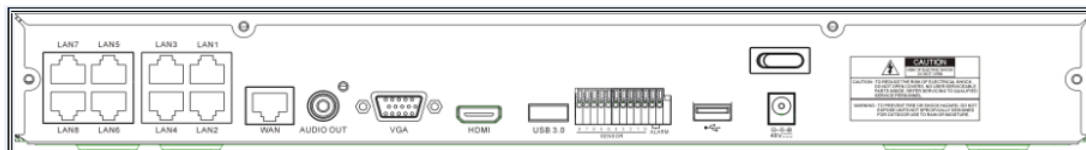
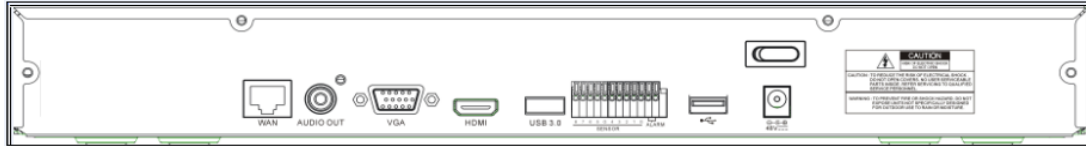
11. The attached power adapter can only be used for 1 set of NVR. Do not connect more equipment, or NVR may be restarted repeatedly because of insufficient power.

12. Prevent the equipment from water dropping or splashing. Do not place objects containing water, such as flower vase, on the equipment.

Chapter 1 Overview of NVR

1.1 Rear Panel

NVR Rear Panel (For reference only)



Item	Physical Port	Connection Method
1	Power Port	Startup and shutdown
2	Power Switch	Connect the attached power supply
3	USB Port	Connect USB devices, such as USB mouse and USB flash disk.
4	Sensor/Alarm	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 IP camera.
9	LAN Port	LAN network interface, support POE, can supply power to the camera.

Table 1-2

1.2 Remote Controller

Remote Controller (For reference only)

Table 2-3 Key functions of the remote controller

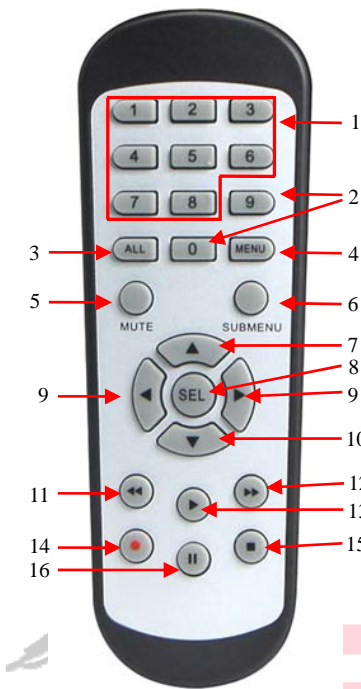


Table 1-3

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	Mute	Mute On/off
6	Submenu	Go to submenu
7	▲	Up arrow key, volume increase
8	SEL	Select key/Edit key
9	◀/▶	Left/Right key; Decrease/increase parameter value of control bar.
10	▼	Down arrow key, Volume decrease
11	◀◀	Rewind key
12	▶▶	Forward key
13	▶	Enter into record search menu / Play key
14	●	Record key
15	■	Stop manual record; stop playing
16		Pause/Sequence key

Chapter 2 NVR Connection

2.1 HDD Installation

Caution: Please do not take out hard drive when NVR is running!

HDD Installation:

(1) Cut power firstly, and then remove screws on both sides and rear panel and open NVR upper cover.

(2) Connect HDD data cable and power cable to the main board. Install the HDD and fix it on the bracket and then connect the HDD power cable and data cable.

(3) Put the upper cover back carefully

Note: If user requires higher performance HDD, it is strongly recommended to use hard drive for security.

2.2 IP Camera and Monitor Connection

Transmit signals of IP camera to NVR by the network cable and connect VGA port and HDMI port for output (Refer to Chapter 2.2 Rear Panel). Refer to Chapter 7 System Connection Diagram.

2.3 Power Supply Connection

Please use attached power adapter to connect NVR. Before power on, make sure network port is well connected.



Chapter 3 NVR Boot up

3.1 System Initialization

After connecting the power cable of NVR to wall outlet and pressing the power button, you will enter into the NVR system initializing screen.



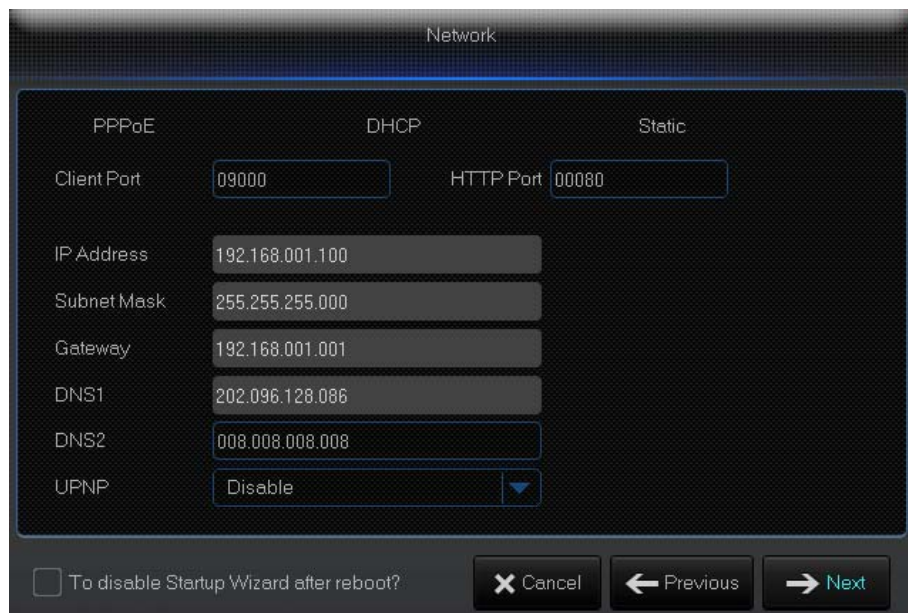
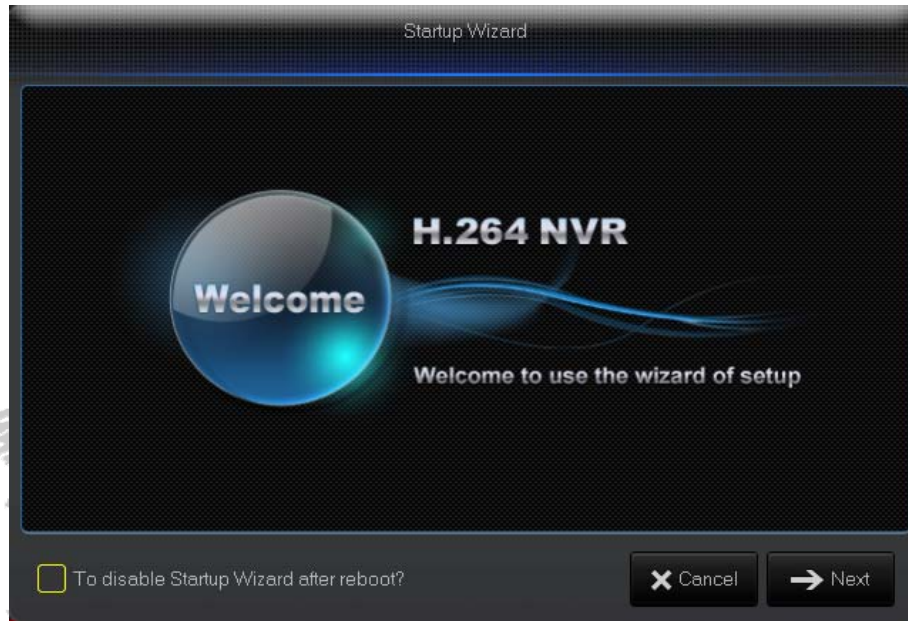
Note: The illustration in the user manual may not be the same as the menu interface in your monitor. All the illustrations are for users' reference.

3.2 Startup Wizard

After NVR startup is completed, the startup wizard will be displayed. If you do not want to make any setting, you may click “To disable Startup Wizard after reboot?” to cancel.

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

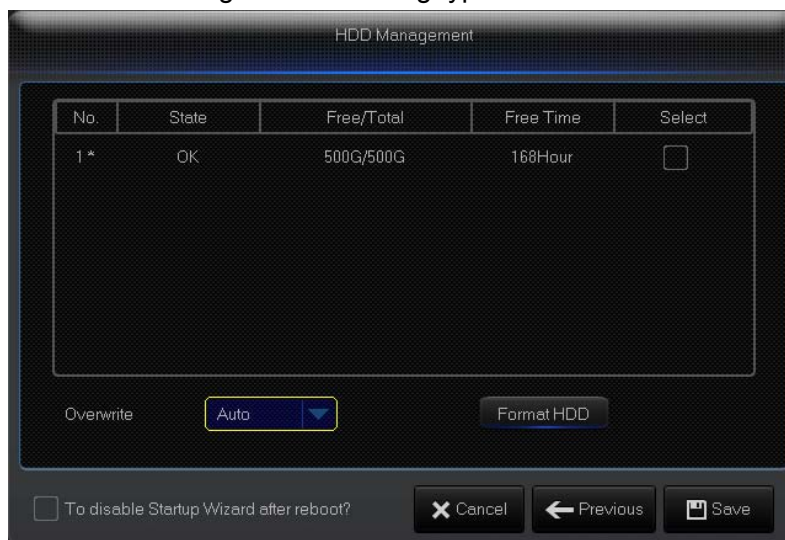
1. Homepage and network setup. In network setup page, user may set the network of NVR.



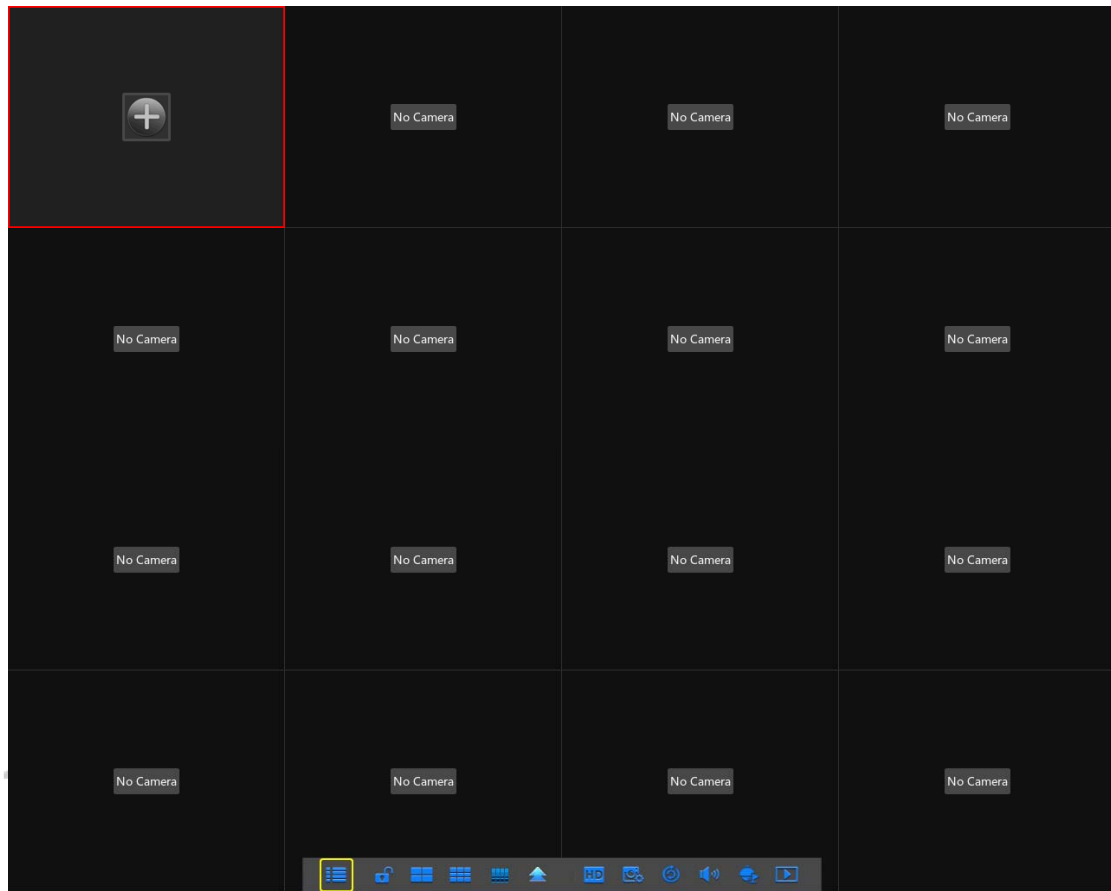
2. In this page, user may add and delete IPC. In this page, user may set recording time and scheduled recording of NVR.



3. It supports HDD formatting and overwriting type.



3.3 Main Interface



Note: When internal HDD is not connected to NVR or the HDD is not formatted, first channel of the live screen and accompany buzzer alarm. If you want to close the buzzer alarm, please enter into [Event → Alarm] to set HDD loss, HDD space not enough and alarm output to “off”.

Chapter 4 NVR Menu

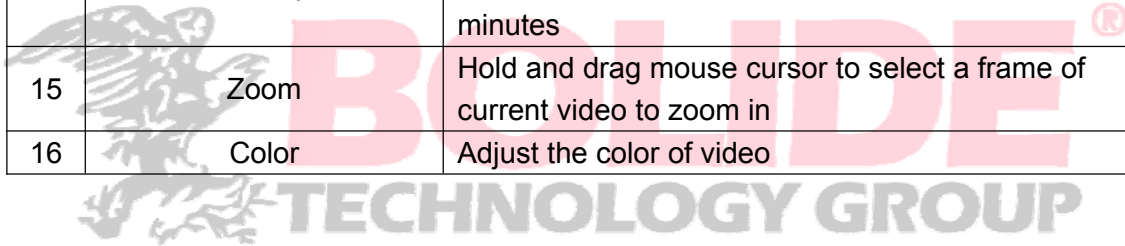
Popup Menu

After finishing system initialization, click right key of mouse on preview interface or slide the mouse to the bottom of screen to enter into Pop-up Menu. Now you could perform parameter setting and operate on Main Menu, Multi-Pics, Auto Cruise, Record Search, Sequence, Volume setting and Stream switching, shown as Picture 4-1.

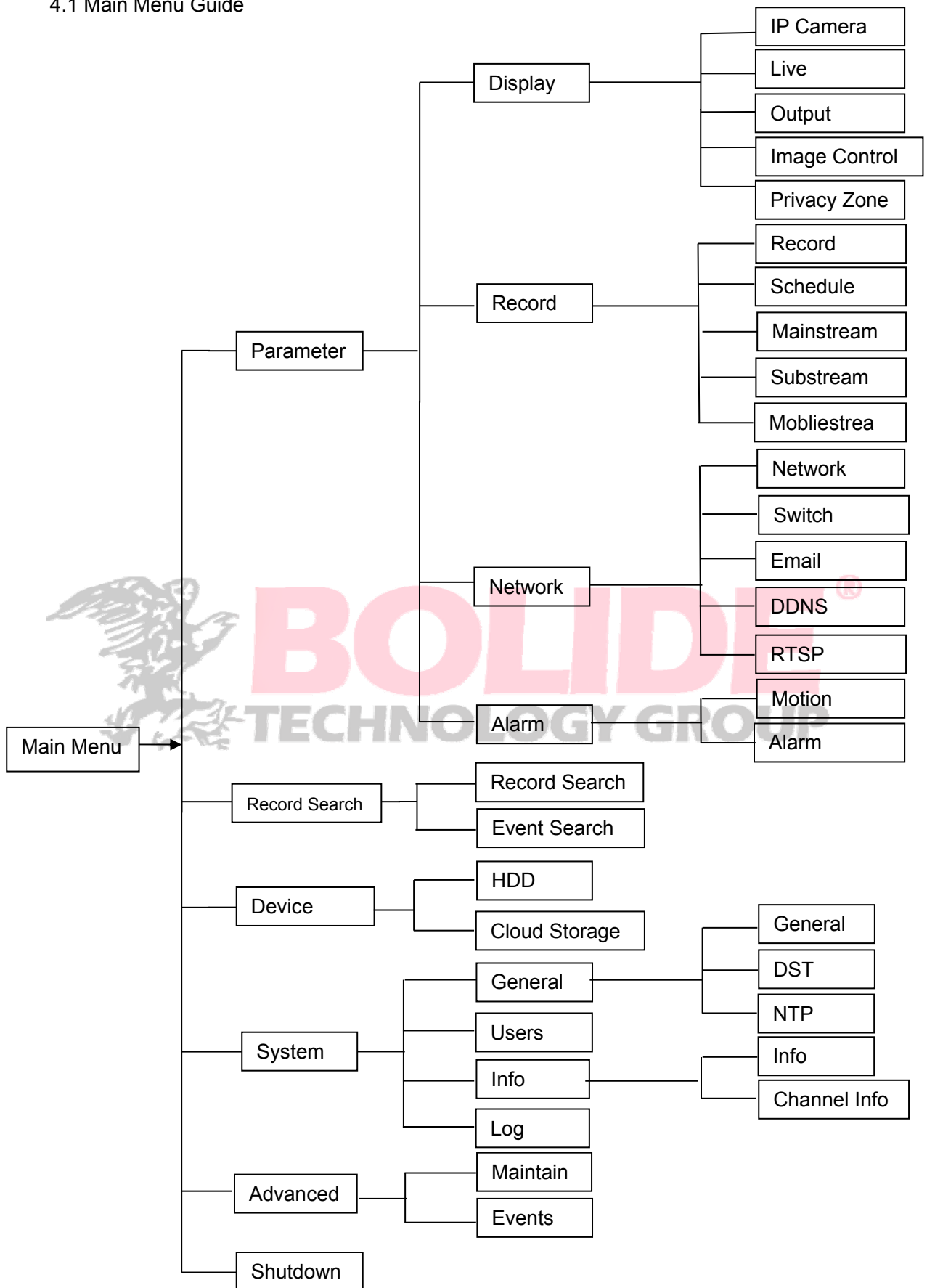
The options in the pop-up menu may be varied slightly according to different parameter settings. The options in the menu will be explained in detail in the following chapters.



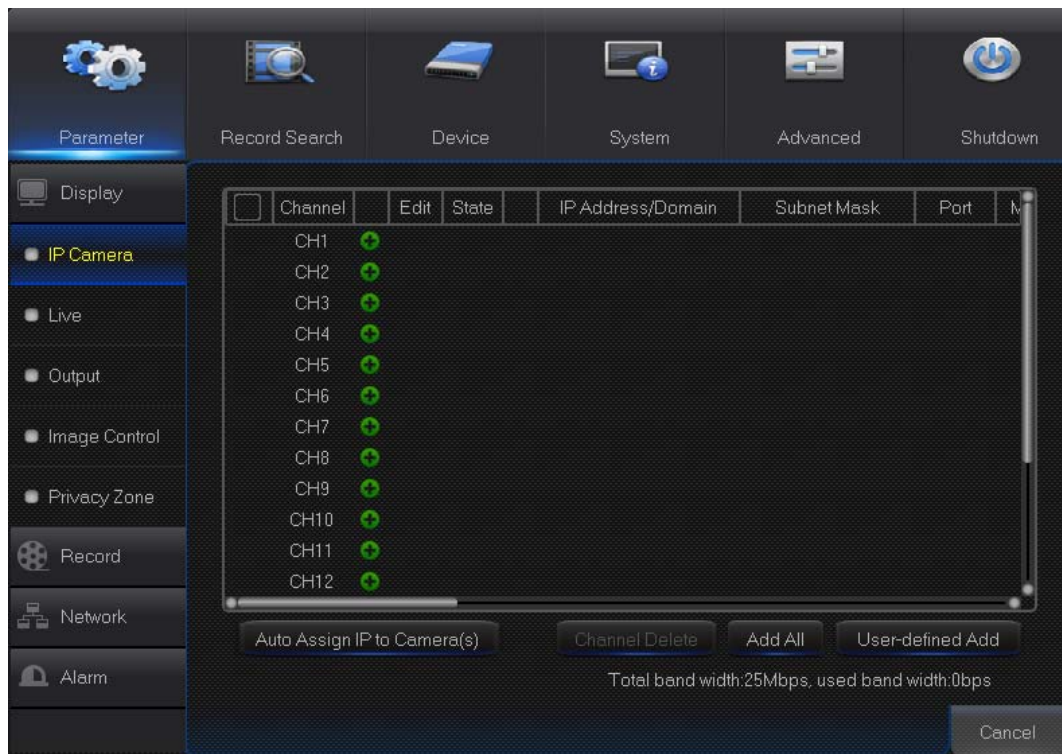
Component Name		Function
1	Main Menu	Access the main menu
2	Manually Lock Screen	Sign out or access sign-in page
3-5	Four-Channel Layout/Nine-Channel Layout/Sixteen-Channel Layout	Display four channels of video/ Display nine channels of video/ Display sixteen channels of video
6	More Layout	Displays different channel layout
7	Stream Switch	Switch between Main Stream and Sub Stream
8	View Image Quality	Switch among Realtime, Balanced and Smooth
9	SEQ	Start or stop SEQ
10	Mute	Audio output and volume control
11	PTZ Cruise	Set the preset positions for PTZ, the dome camera will start to cruise.
12	Playback	Replay video recorded
13	Record	Enable or disable manual recording
14	Instant Playback	Display channel name Quick playback of video of last 5 minutes
15	Zoom	Hold and drag mouse cursor to select a frame of current video to zoom in
16	Color	Adjust the color of video




4.1 Main Menu Guide



4.2 Main Menu



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

If system interface is locked, refer to chapter 4.3 to unlock by inputting password.

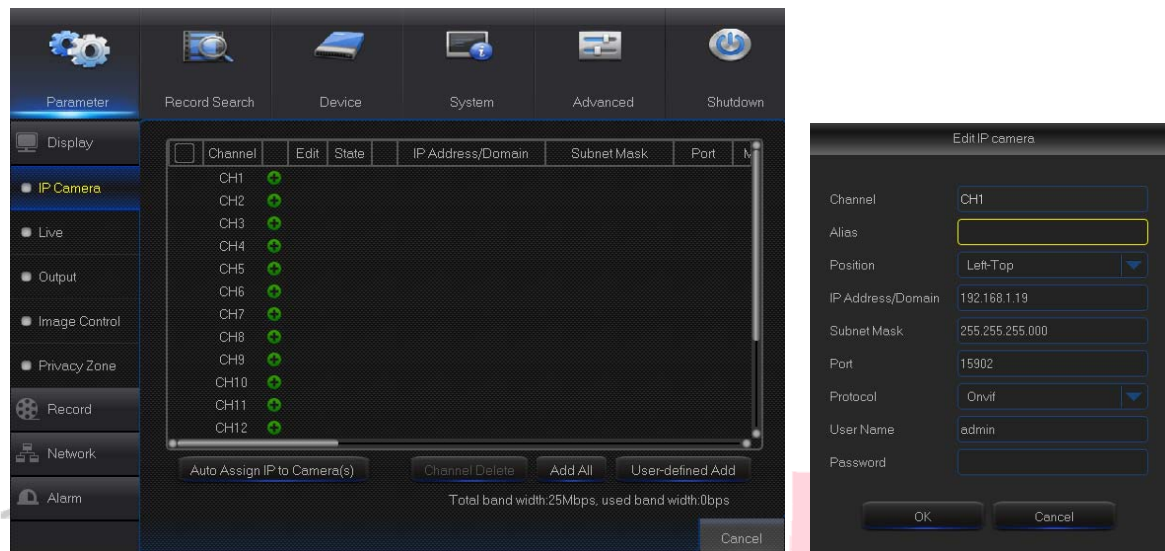
In Main Menu mode, you can make settings for Parameter, Record Search, Device, System, Advanced and Shutdown.

4.2.1 Parameter

4.2.1.1 Display

4.2.1.1.1 IP Camera

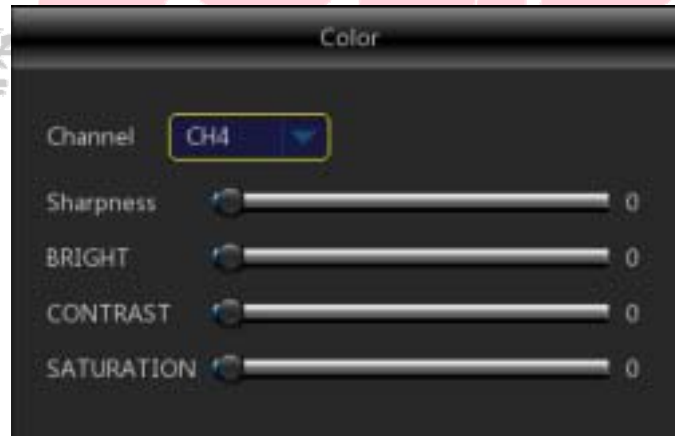
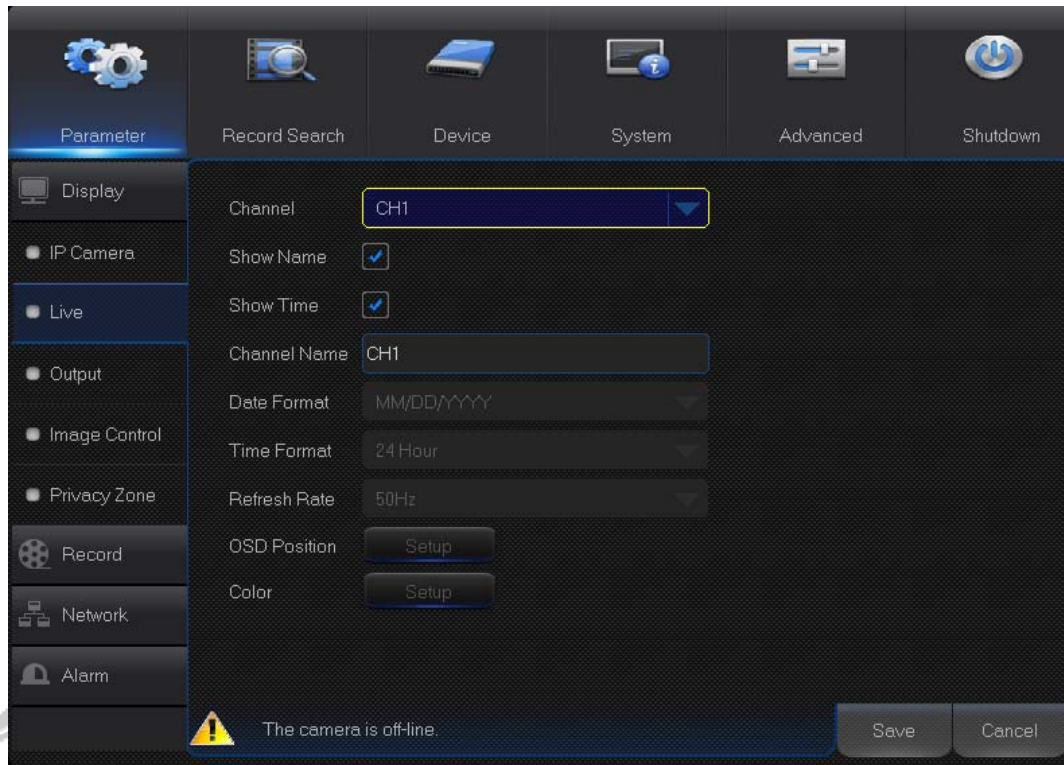
Go to “Main Menu”→“Display”→“IP Camera” to enter into the interface.



- **Channel:** IP camera channel
- **Edit:** 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 IP camera.
- **IP Address/Domain:** IP address of the IPC connected of the channel
- **Subnet Mask:** IP 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 NVR
- **MAC Address:** Physical address for device
- **Software:** Display current version of IPC.

4.2.1.1.2 Live

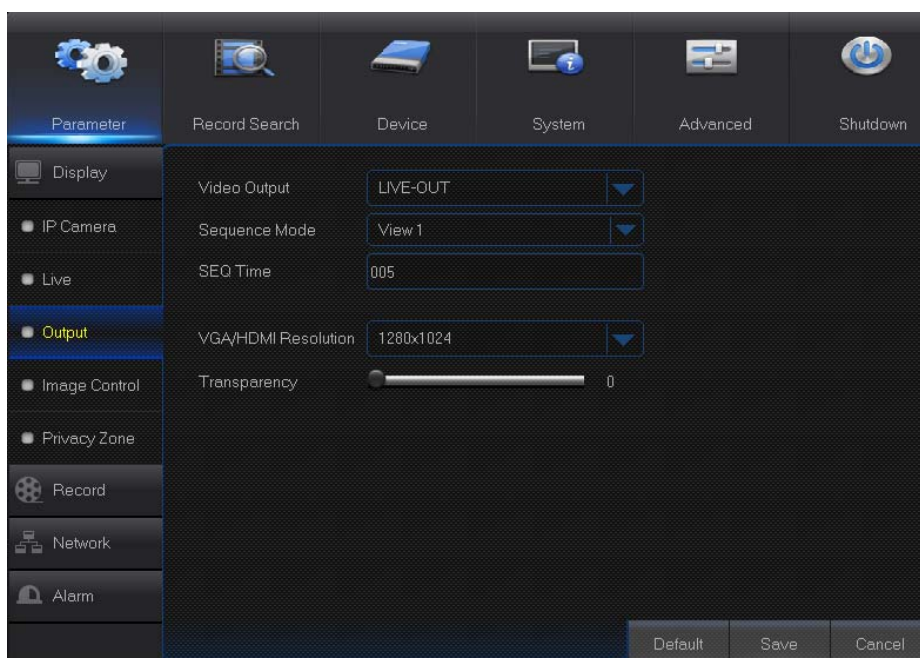
Go to “Main Menu”→“Display”→“Live” to enter into the interface.



- **Channel:** Select channel number.
- **Show Time:** Tick the checkbox to display time.
- **Channel Name:** Name marked on IPC
- **Date Format:** Set date format such as m/d/y or y/m/d
- **Time Format:** 12 hour or 24 hour
- **OSD Position:** Freely 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

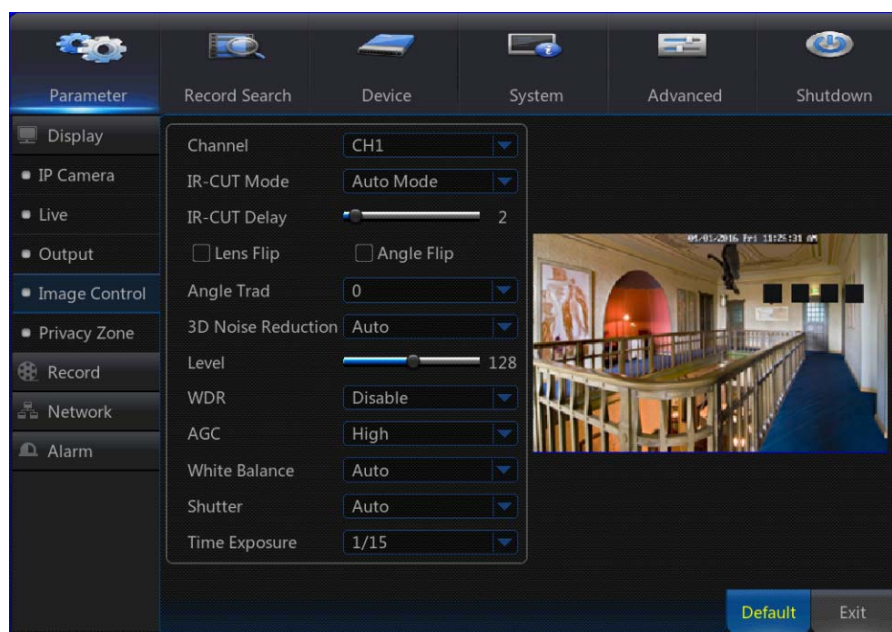
Go to “Main Menu” → “Display” → “Output” to enter into the interface.



- **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. Including 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 Image Control

“Main Menu” → “Display” → “Image Control”, entering the interface.

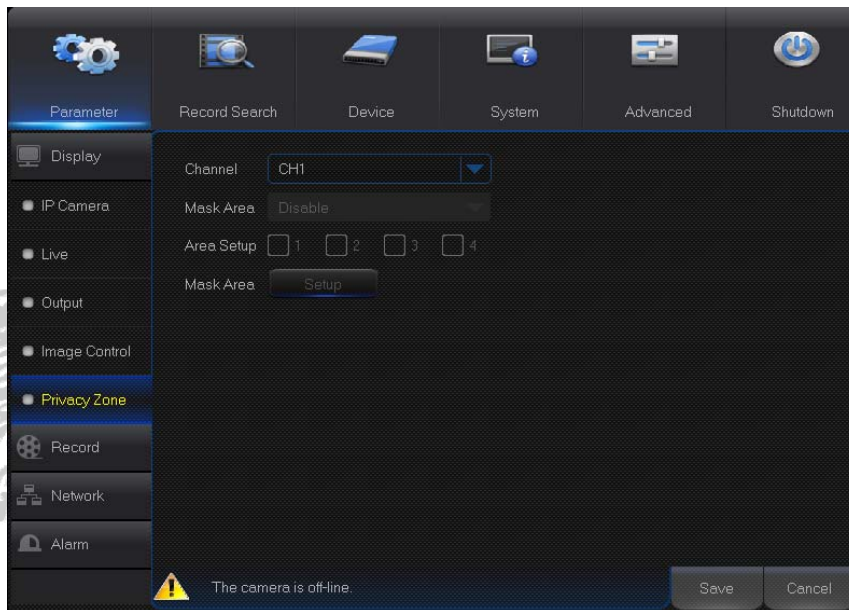


Configure the parameters for the IPC, IR-Cut Mode, Angle Flip, Back Light compensation, 3D Noise Reduction , Wide Dynamic, and White Balance. The parameters take effect immediately.

4.2.1.1.5 Privacy Zone

Privacy Zone is for setting some invisible parts in the selected channel.

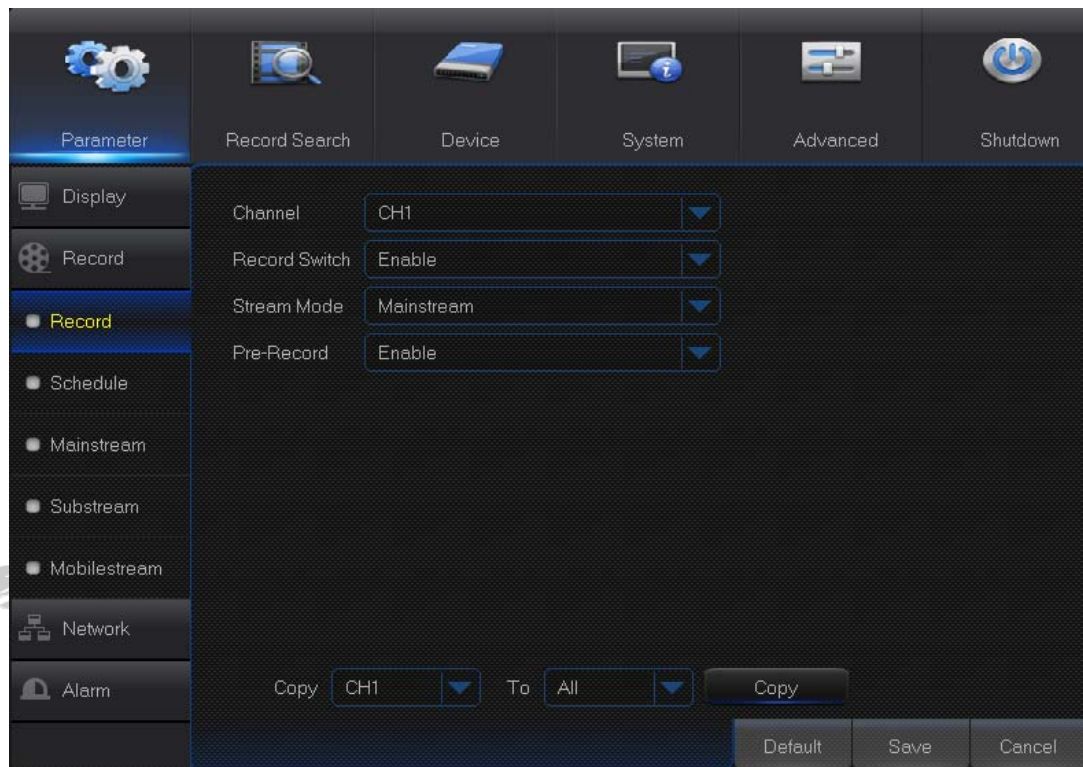
1. Select the number of the zone to be set (maximum 4 zones can be set for single channel)
2. Click “Setup” to adjust the position of the zone.
3. After finish setting, right click the mouse to return to the “Privacy Zone” page.
4. Click “Save” to save the setting.



4.2.1.2 Record

4.2.1.2.1 Record

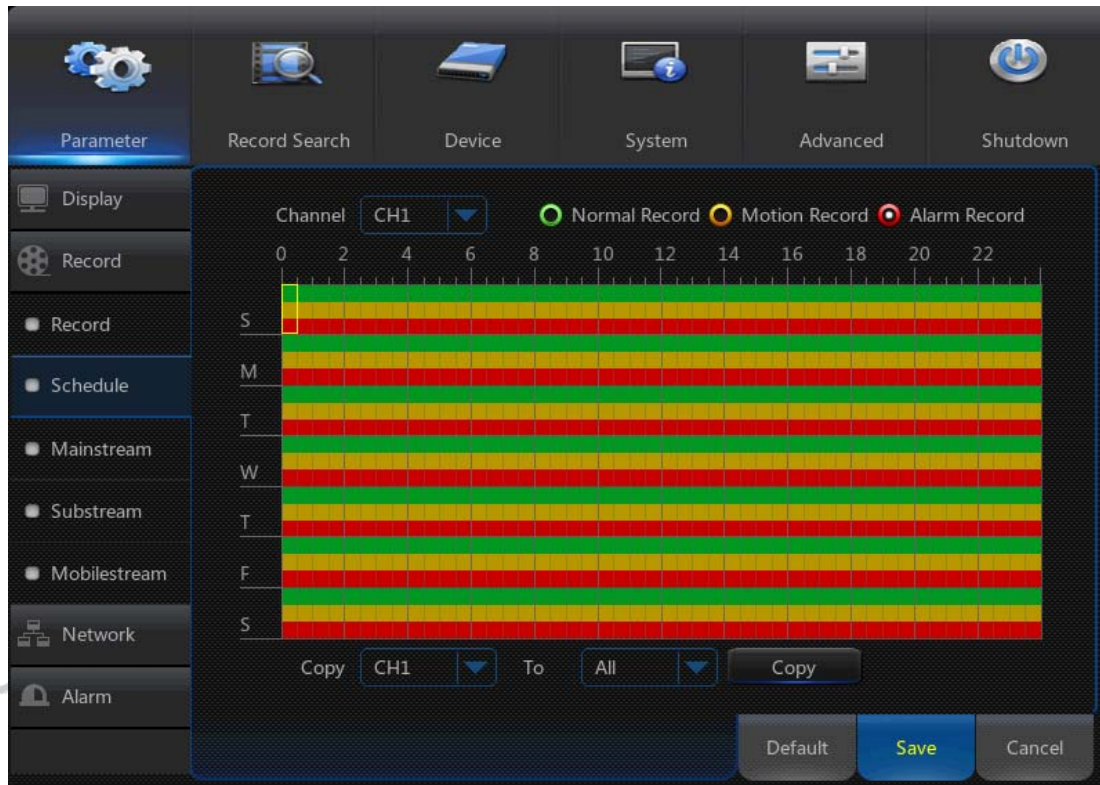
Go to “Main Menu”→“Record”→“Record” to enter into the interface.



- **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 Substream.
- **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 NVR.



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

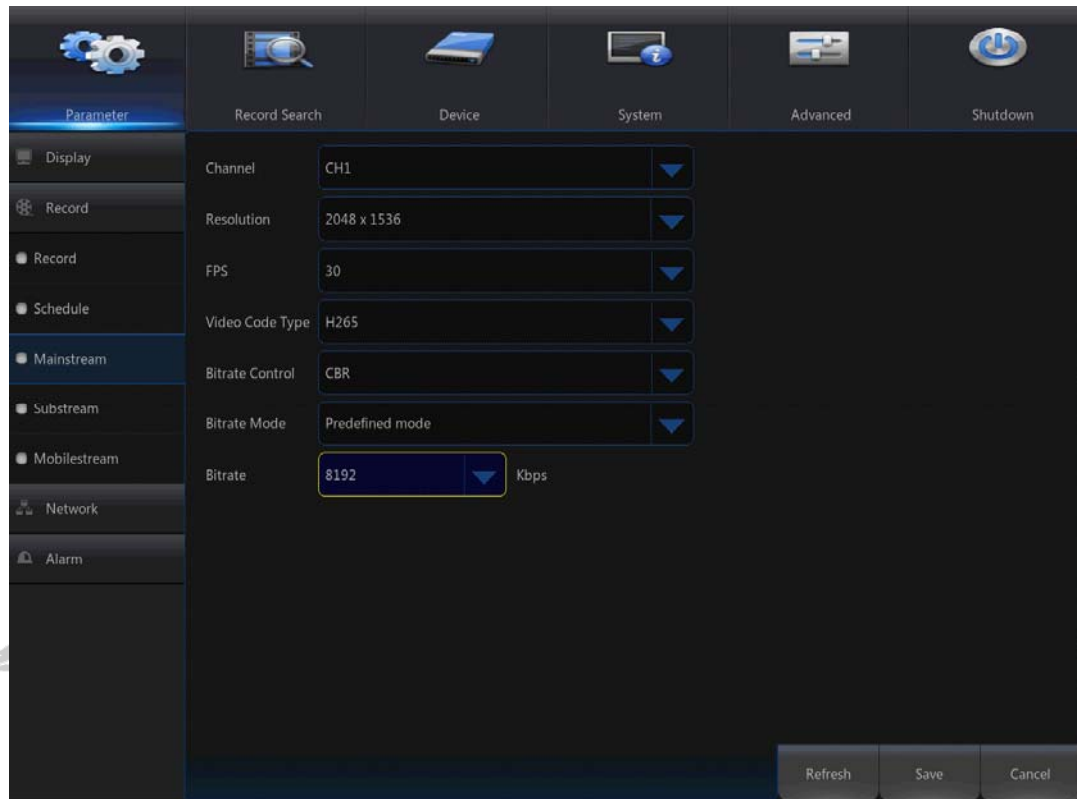
The record schedule of the current channel can be copied to any other channel or all channels.

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/Substream/Mobilestream

Go to “Main Menu”→“Record”→“Mainstream/Substream/Mobilestream” to enter into the menu interface.



Mainstream ,Substream and Mobilestream are the three video stream of IPC. Mainstream is mostly used for recording and the substream and Mobilestream are mostly used for remote network monitoring.

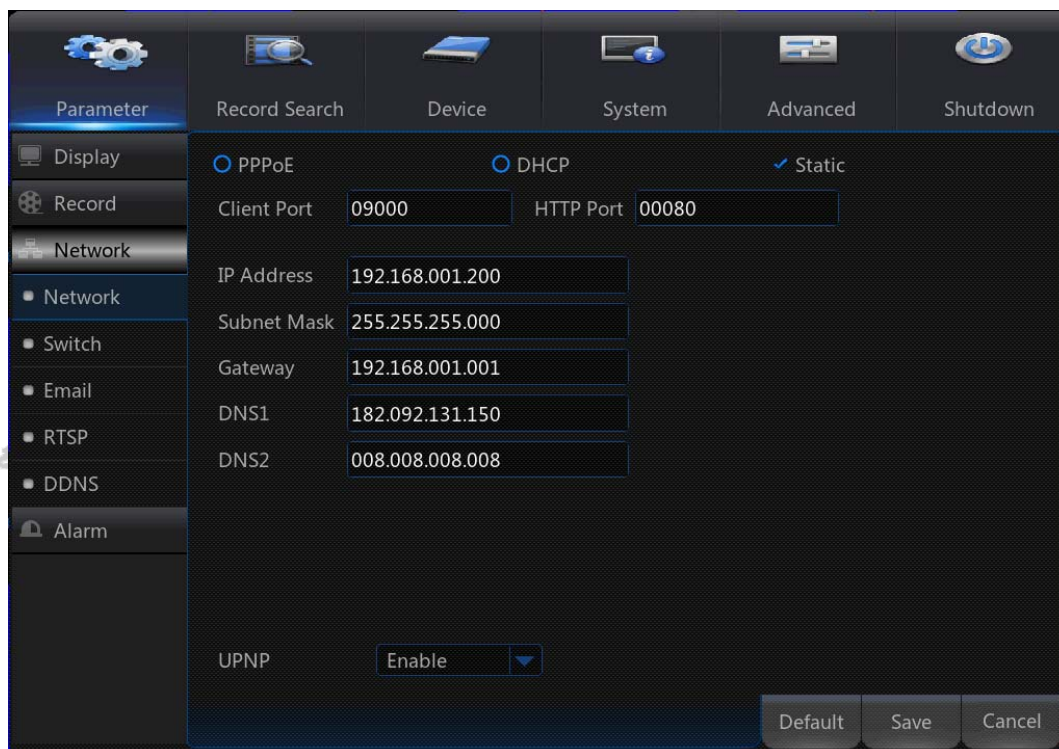
- **Channel:** Select a channel
- **Resolution:** Set IPC resolution as required
- **FPS:** Min 1 and max 30
- **code type:**H.264 and H.265
- **Bite rate control:** Dynamic and Statics
- **Bitrate Mode:** Preview Mode and User-defined Mode
- **Bitrate:** Set IPC bitrate

4.2.1.3 Network

4.2.1.3.1 Network

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

Select a kind of network connection (PPPOE, DHCP,Static) and set Port, then user may remotely control the monitoring, recording, playback or backup of NVR through network.



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

1. Select DHCP, click Save and refresh NVR. Input Client Port and HTTP Port (the two values must not be the same).
2. Set obtained IP address of NVR and the mapping port. Refer to section 4.2.4.2.
3. Remotely visit NVR by IP address:

http://Public network IP: Web port number (such as 00080)

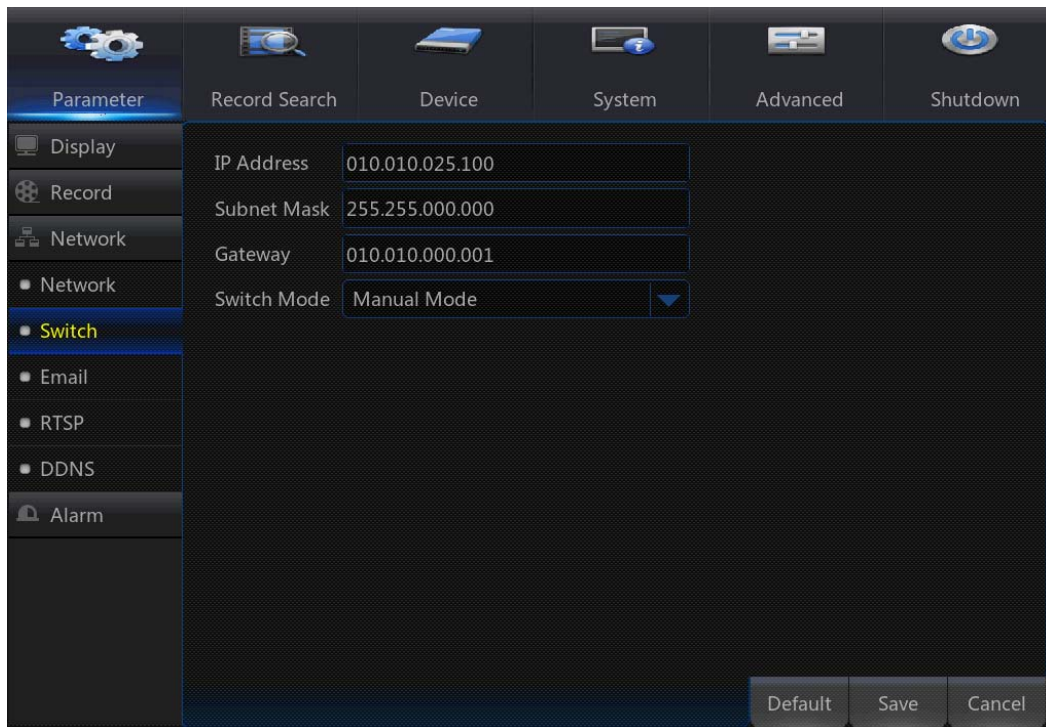
http:// Intranet IP: Web port number (such as 00080) (Only available in the same LAN)

For PPPoe, Static and DHCP, after setting IP address of NVR, the extranet port shall be mapped on the router before visiting NVR through public network.

Note: Save after setting to make effective. If there are multiple NVR in a LAN, make sure their MAC addresses are different (Refer to System).

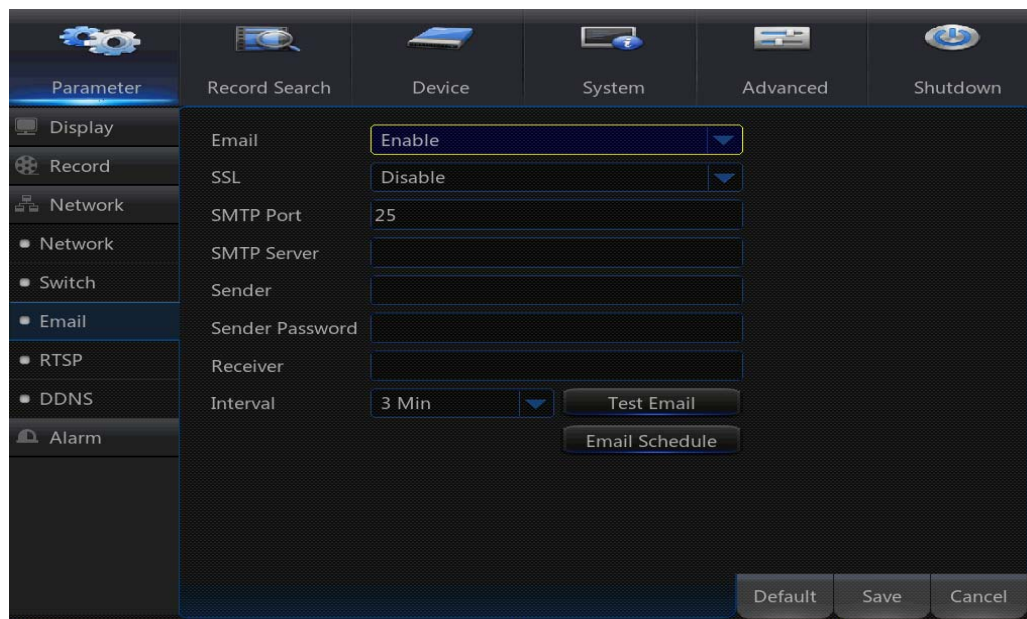
4.2.1.3.2 Switch

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



4.2.1.3.3 E-mail

Go to “Main Menu”→“Parameter”→“Network”→“Email” to enter into the menu interface. Receive or Send NVR alarm Email and set parameters like Email address, SSL, Email Enable, Interval and Email Schedule. The related parameter setting should be consistent with the NVR local setting.



Mail Schedule:

Select the channel and the date you want to 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.

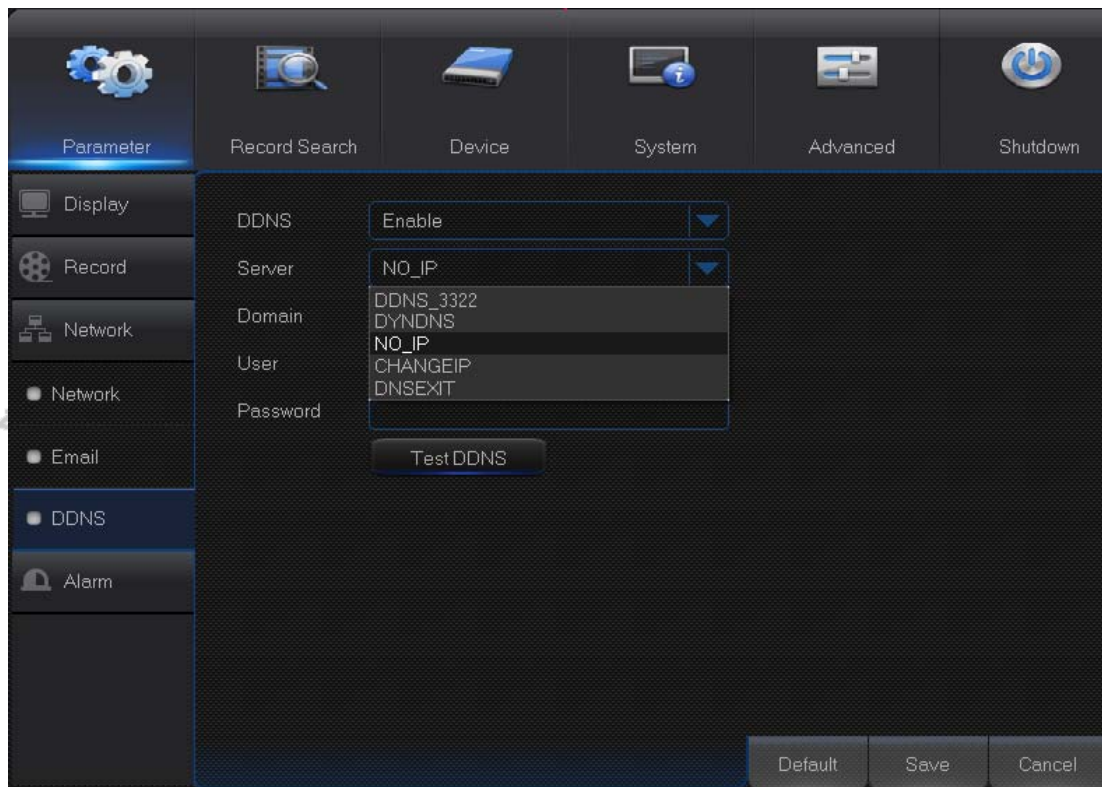
Note:

1. Green stands for Motion: Email will be sent in case of object motion;
2. Yellow stands for Alarm: Email will be sent in case of object alarm;
3. Red stands for Exception: Email will be sent in case of exception, e.g. DiskFull, DiskError, VideoLoss.

The screenshot displays the 'Mail Schedule' configuration window. The top navigation bar includes 'Parameter', 'Record Search', 'Device', 'System', 'Advanced', and 'Shutdown'. The left sidebar lists various settings: 'Display', 'Record', 'Network', 'Network', 'Switch', 'Email', 'RTSP', 'DDNS', and 'Alarm'. The main area shows a grid for 'Channel CH1' with columns for 'Motion' (green), 'Alarm' (yellow), and 'Events' (red). The grid is divided into three columns: Motion (0-2), Alarm (2-10), and Events (10-24). The grid shows a repeating pattern of Motion (Green) from 0 to 2 hours, Alarm (Yellow) from 2 to 10 hours, and Events (Red) from 10 to 24 hours. The interface includes a 'Copy' button, a 'To' dropdown menu set to 'All', and an 'Email' button. At the bottom, there are 'Default', 'Save', and 'Cancel' buttons.

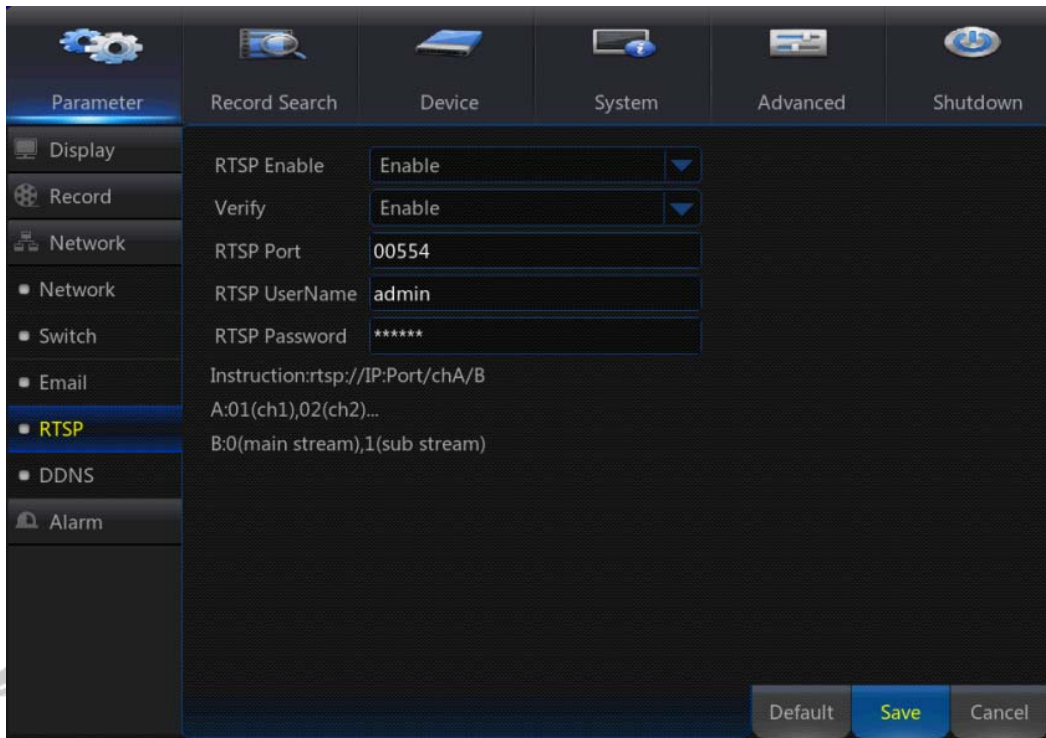
4.2.1.3.4 DDNS

Go to “Main Menu”→“Parameter”→“Network”→“DDNS” to enter into the menu interface. User may set DDNS in any one of the above network connection after applying dynamic domain service. User may remotely access NVR through domain by using browser in the form of http://applied domain: mapped Web port number. When using DDNS domain name to access NVR, 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 NVR local setting.



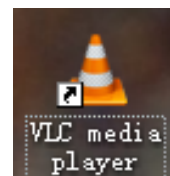
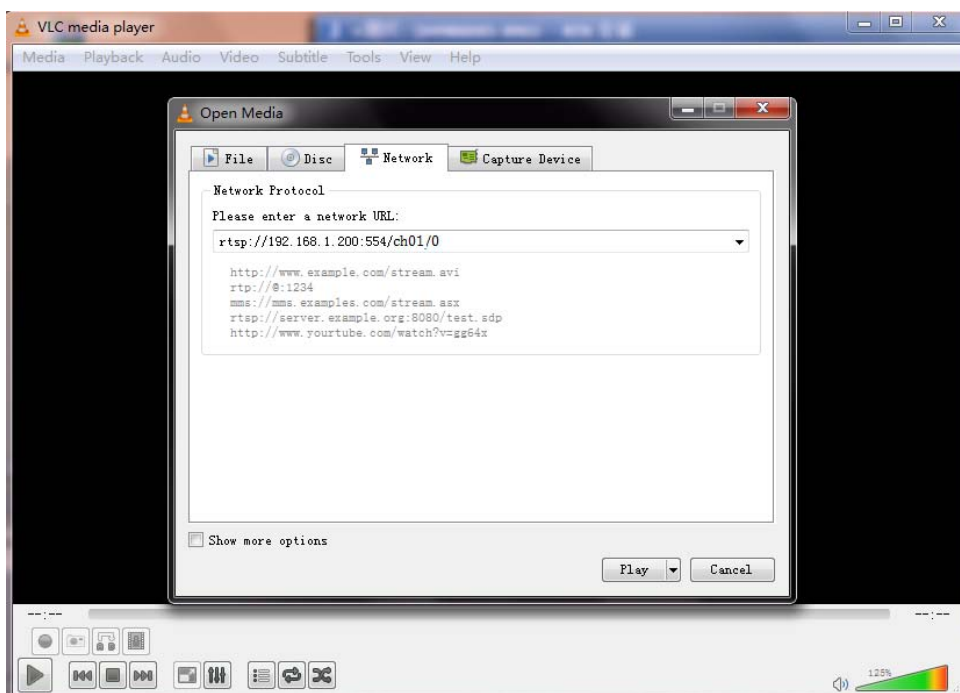
4.2.1.3.5 RTSP

Go to “Main Menu” → “Parameter” → “Network” → “RTSP”. Set user name and password to view video by PC software VLC



- **RTSP Enable:** Enable/Disable
- **Verify:** Enable/Disable
- **RTSP Port:**00554
- **RTSP User Name:** admin
- **RTSP Password:**111111
- **Instruction:** rtsp: //IP:Port/chA/B
- **A:** 01(ch1), 02(ch2)...
- **B:** 0(main stream),1(sub stream)

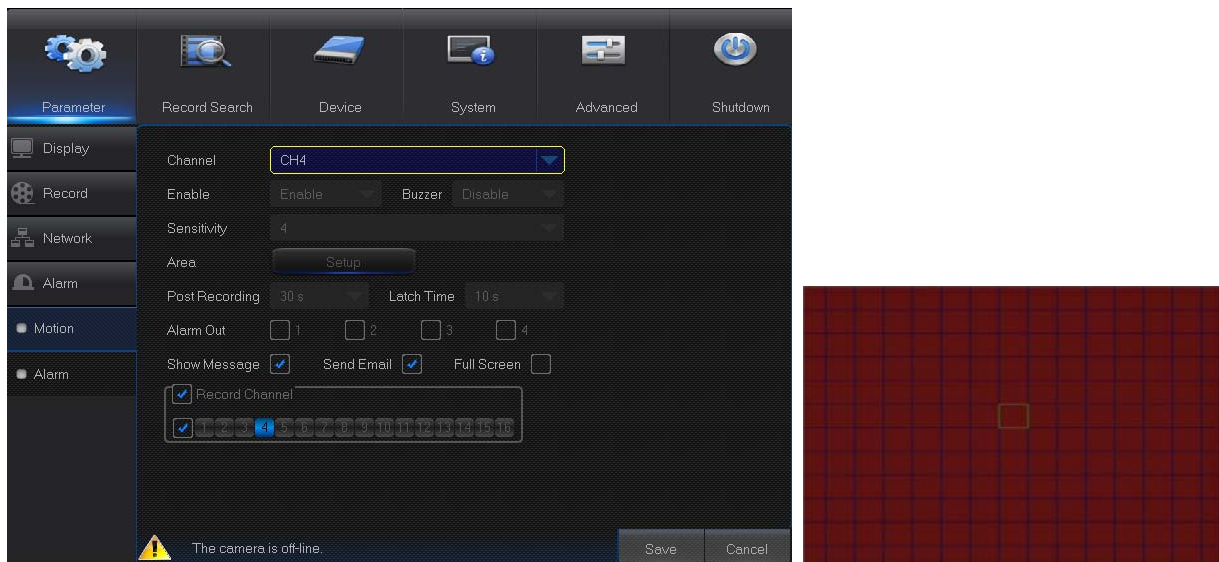
Follow the instruction to input IP and port to preview video.



4.2.1.4 Alarm

4.2.1.4.2 Motion

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



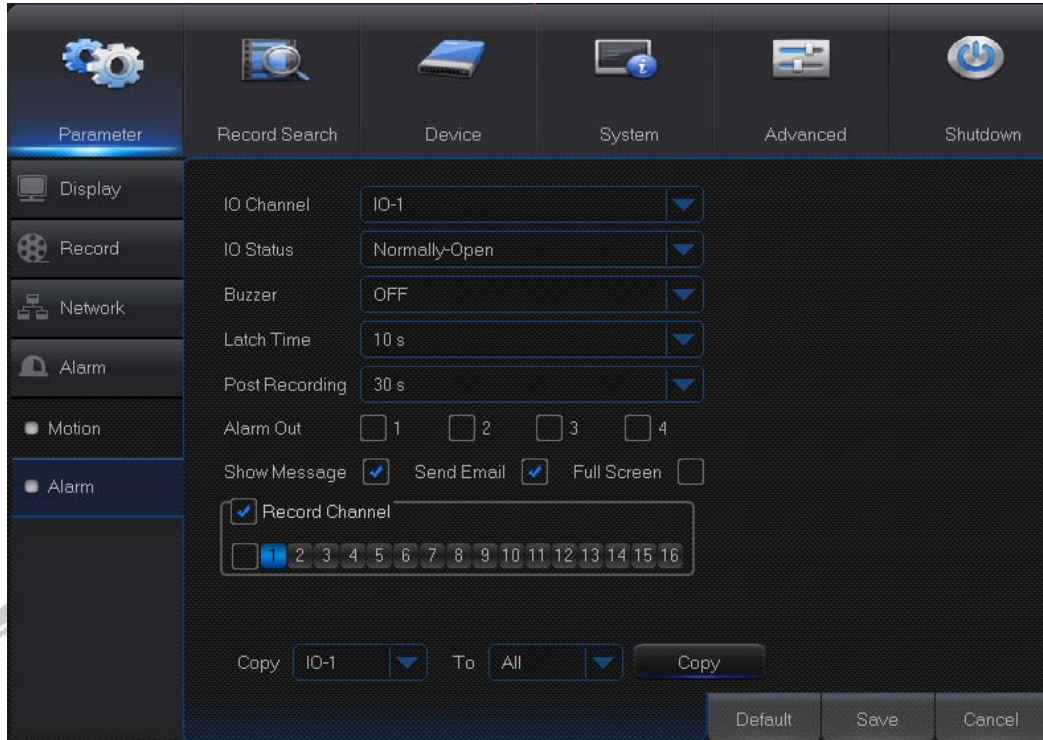
- **Channel:** Enable or disable Motion function.
- **Sensitivity:** Support 1-8 level, 8 is the highest level.
- **Buzzer:** When detecting object moving, buzzer makes alarms (disable, 10 seconds, 20 seconds, 40 seconds and 60 seconds).
- **Alarm Out:** Connect to the alarm switch of the alarm apparatus.
- **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 intensively.

A single channel is divided into 20 × 15 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 record channel setting will be activated.

4.2.1.4.2 Alarm

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



It is the alarm management and setting of the machine. User may set alarms under different status in the interface. Please refer to Table 2-4

- **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 the motion is detected, the corresponding channel will be switched to the full screen mode.
- **Latch time:** you can set how long the buzzer will sound when object move is detected by external sensor(10s, 20s, 40s, 60s)
- **Post Recording:** You can 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:** Allow you copy current channel parameters to any other channel (setting of record channel cannot be copied).

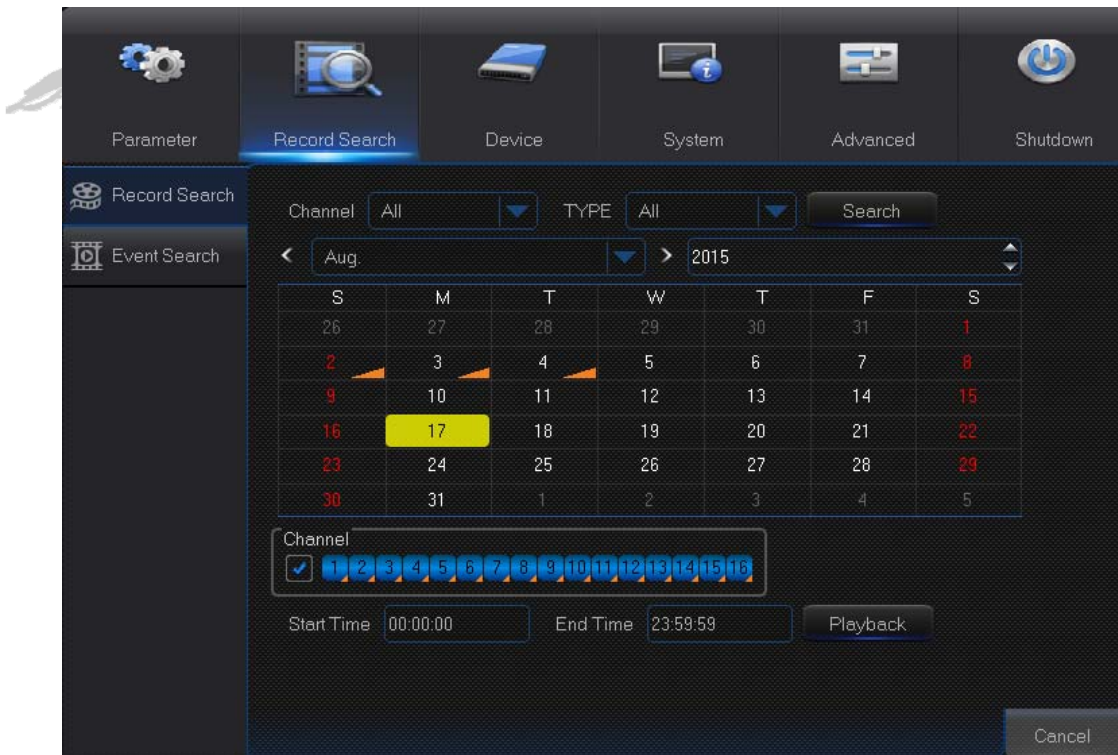
Alarm Type	Functions & Descriptions
Video Loss	When NVR fails to receive video signals due to some problems (camera damage, line dropout or damage, power failure), the alarm will appear.
Motion Detection	When IP camera detects object moving, alarm will be activated. Sensitivity is subject to the actual 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.

Table 2-4

4.2.2 Record Search

4.2.2.1 Record Search

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



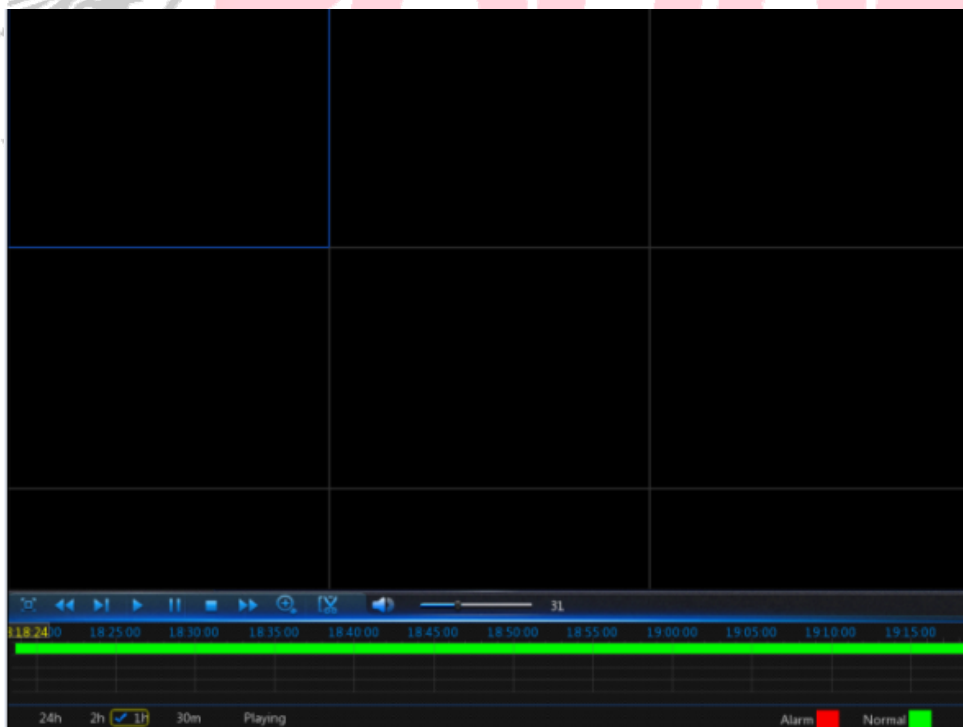
- **Channel:** Select the channel you want to search.
- **Type:** Select the type the playback record. There are two options, i.e. Normal and Alarm.
- **Start Time/End Time:** Select the specific period of time. The default setting is from 0:00 to 24:00.
- **Playback Channel:** Click a date and select 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, NVR will remain in the playback interface.



Time Axis setup, file clip and zoom in/out

- 1) The NVR supports the processing control bar function when playing back record files

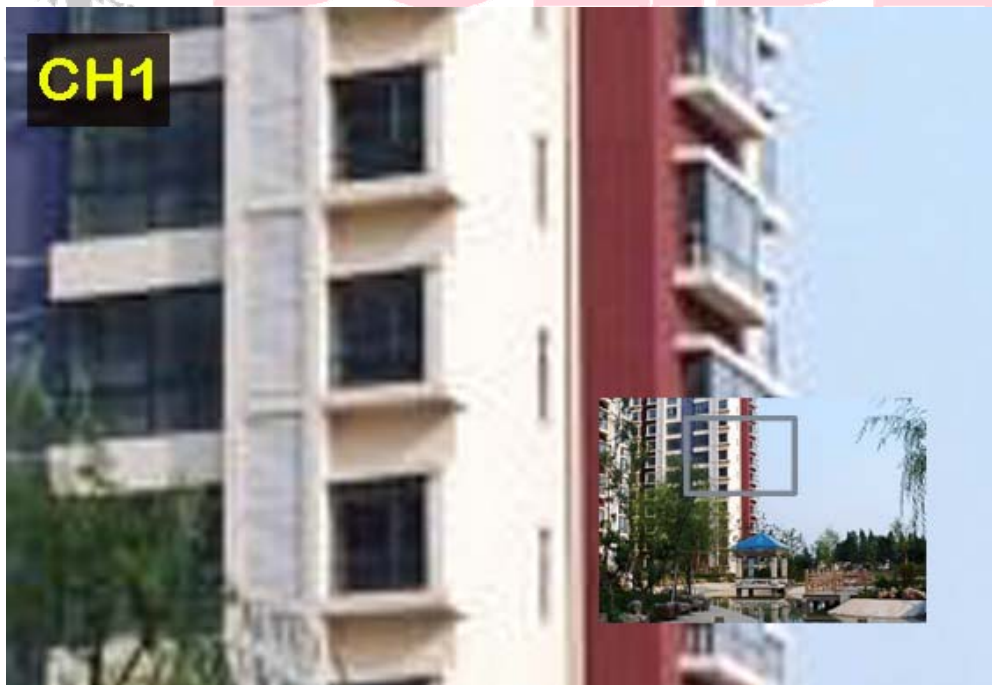
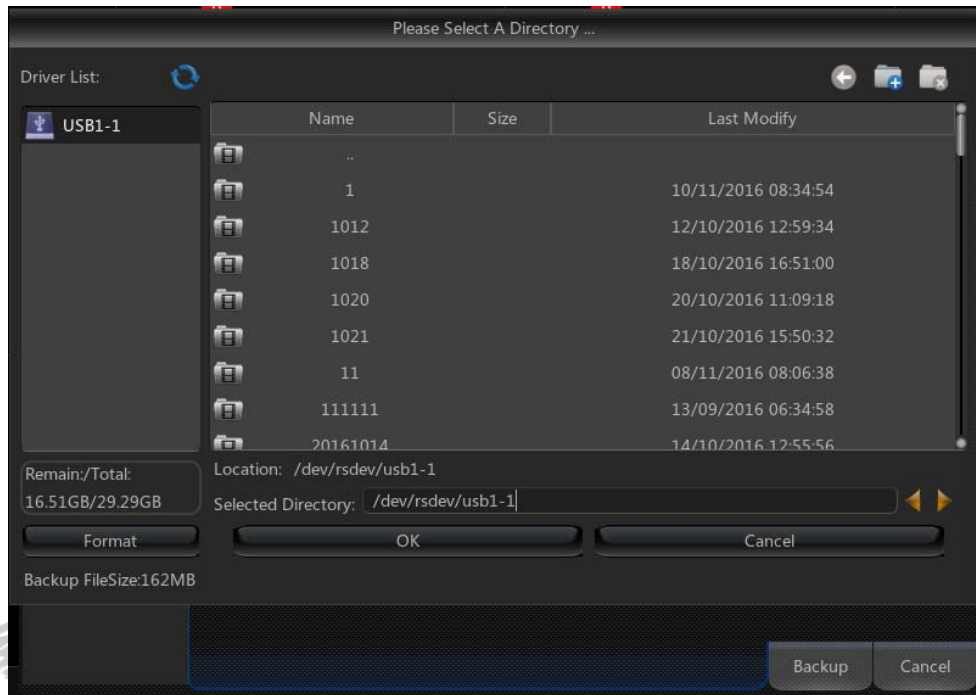


Time Axis zoom: Default value is 24hours. Allow user to select 2 hours, 1 hour, 30 minutes or user-defined.

➤ **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

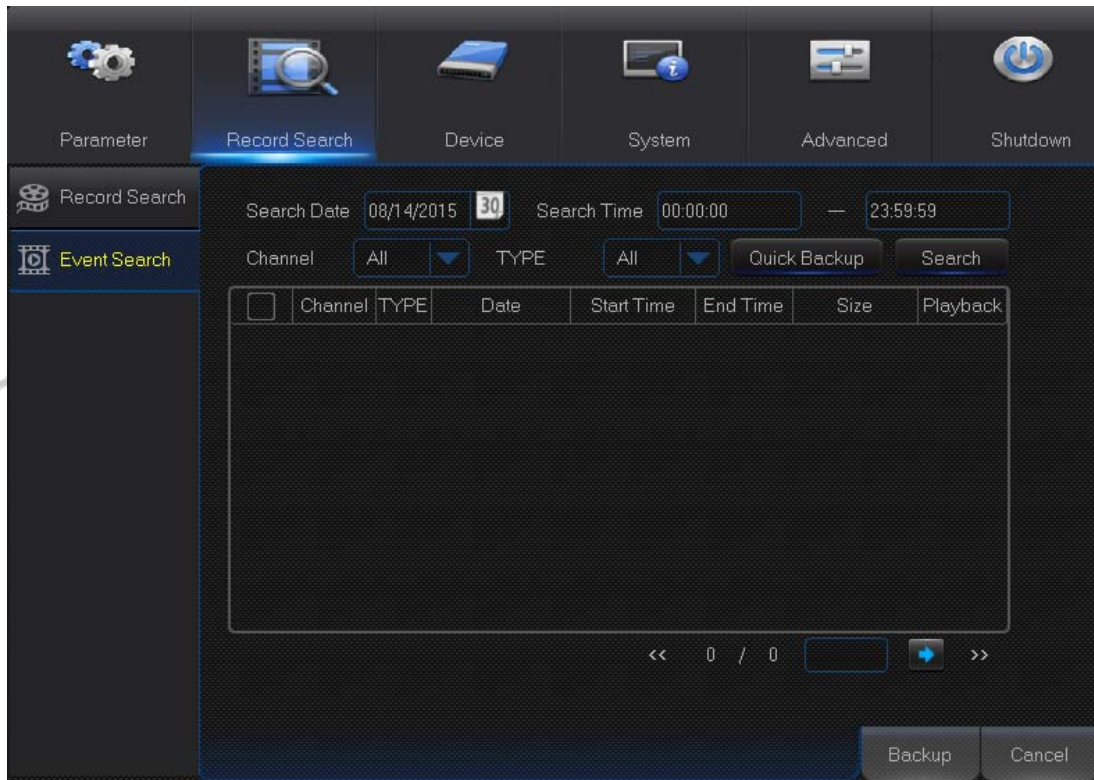
file.


- **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, 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.

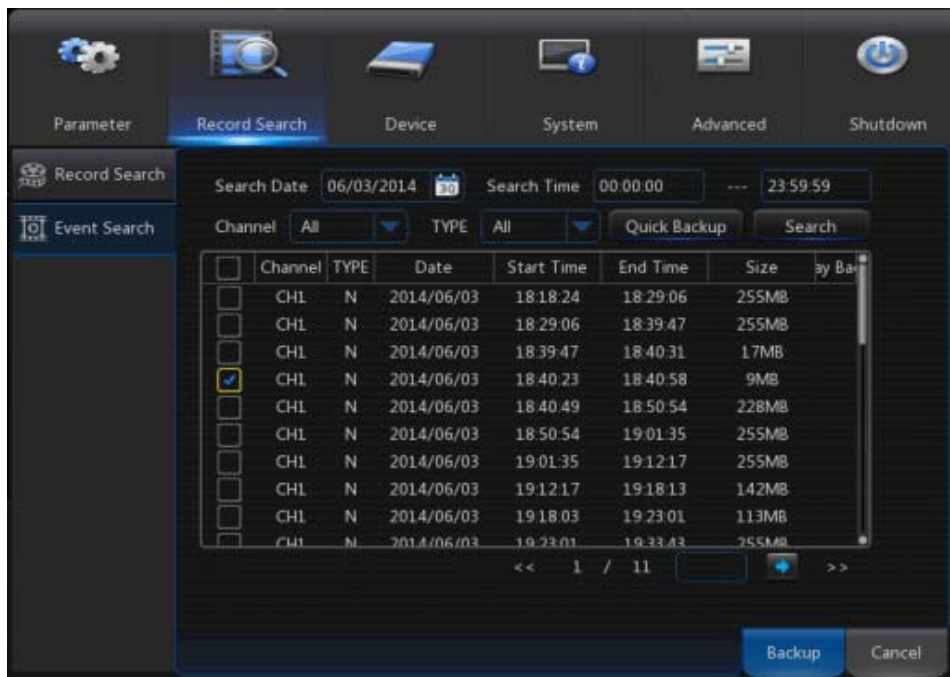
 : Next page; Click the button to go to next page when viewing events (except the last page). When viewing the last page, click this button to display the event list in the last page.

 : 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

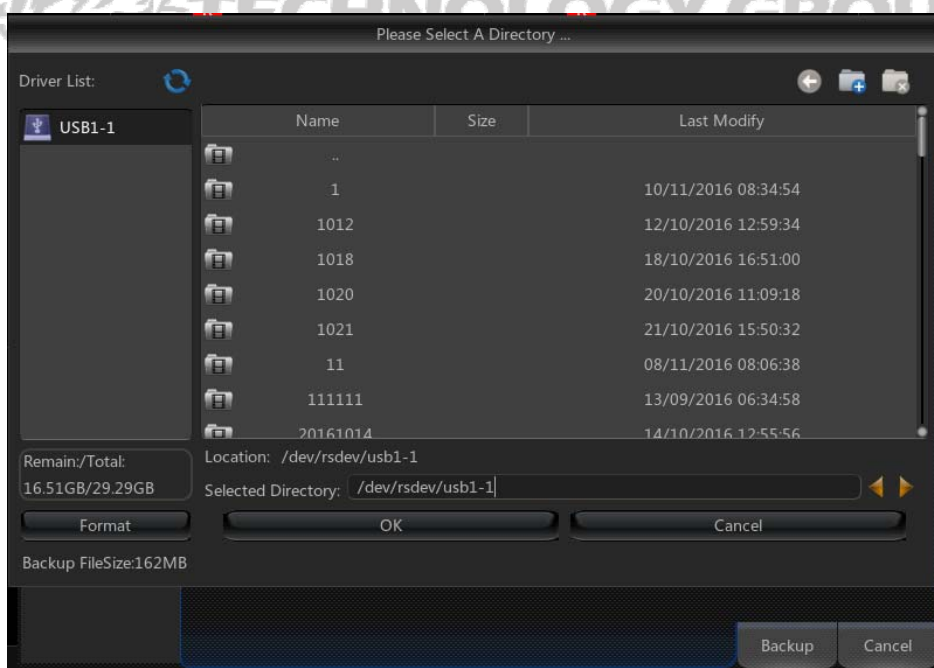
of the record (“√”means it has been selected) and click “Backup” to enter into “Select backup type” (Make sure U disk or other portable storage device are connected).



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

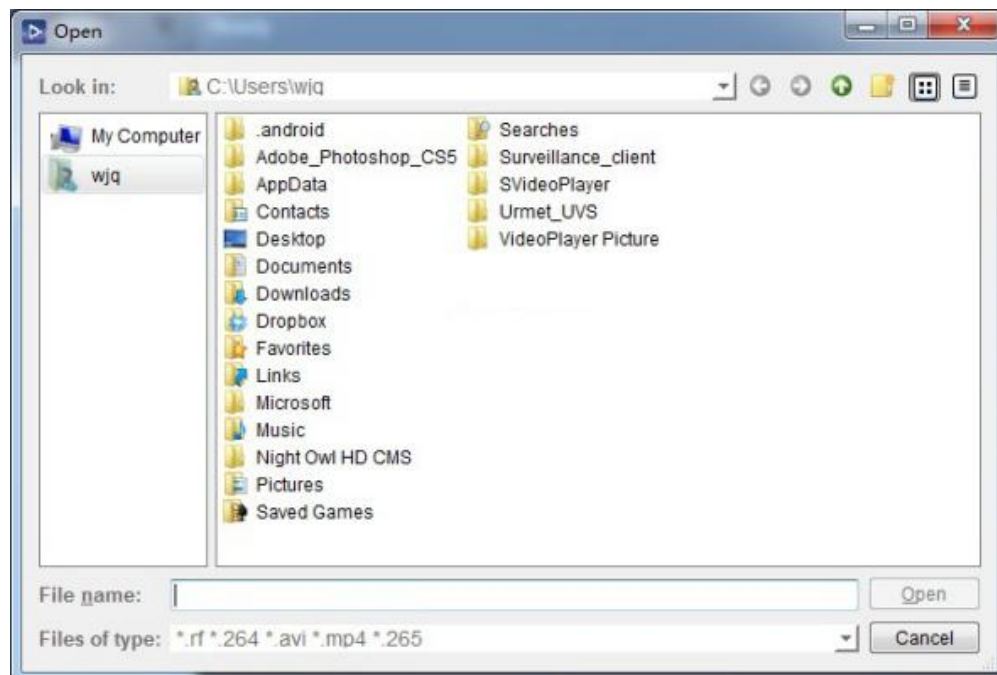
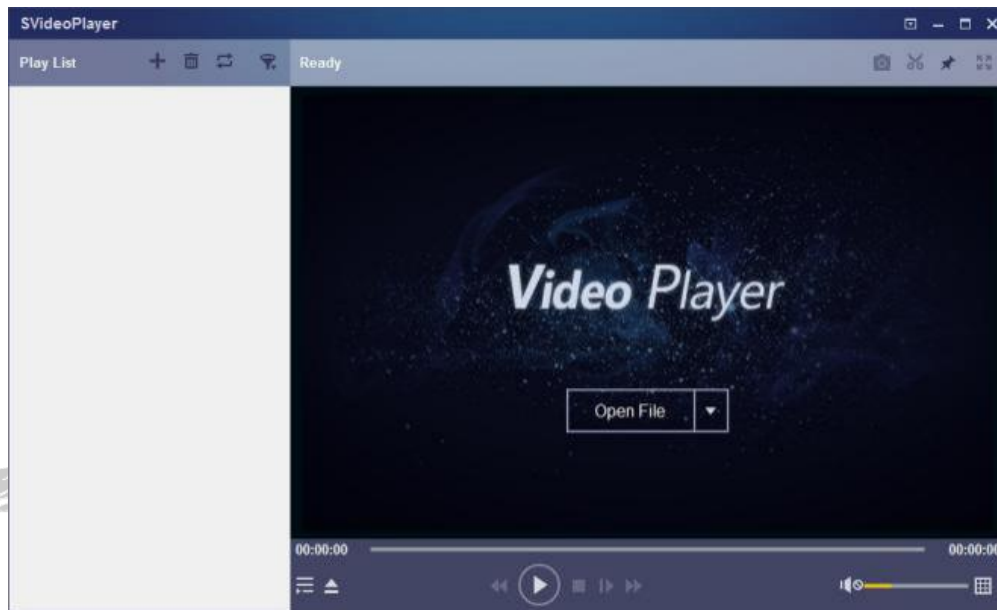
After backup finishes, message Backup Finishes will appear at down-right corner..























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



4.2.2.3 Play Backup Files

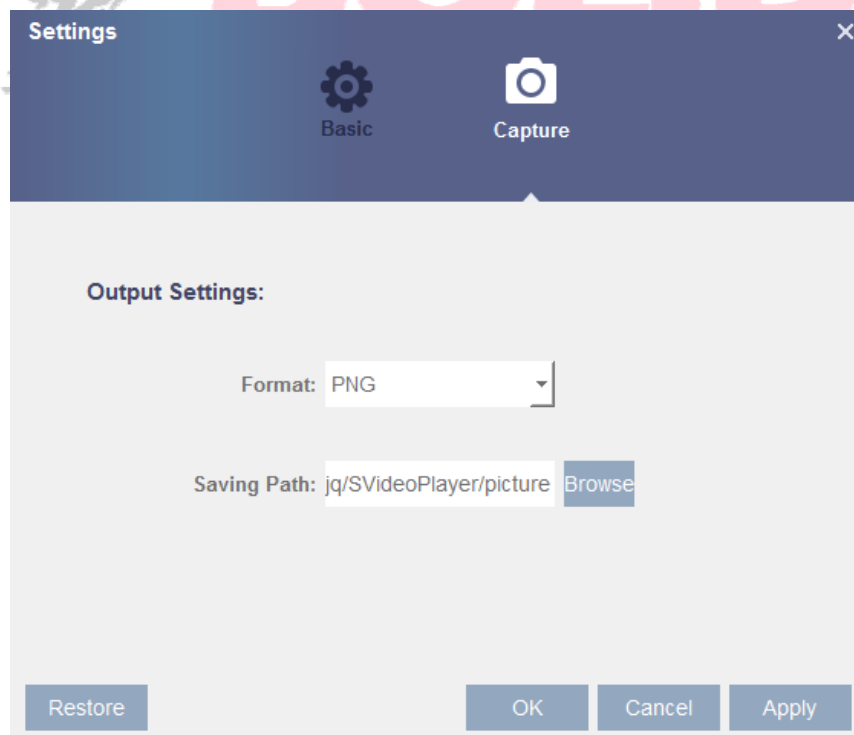
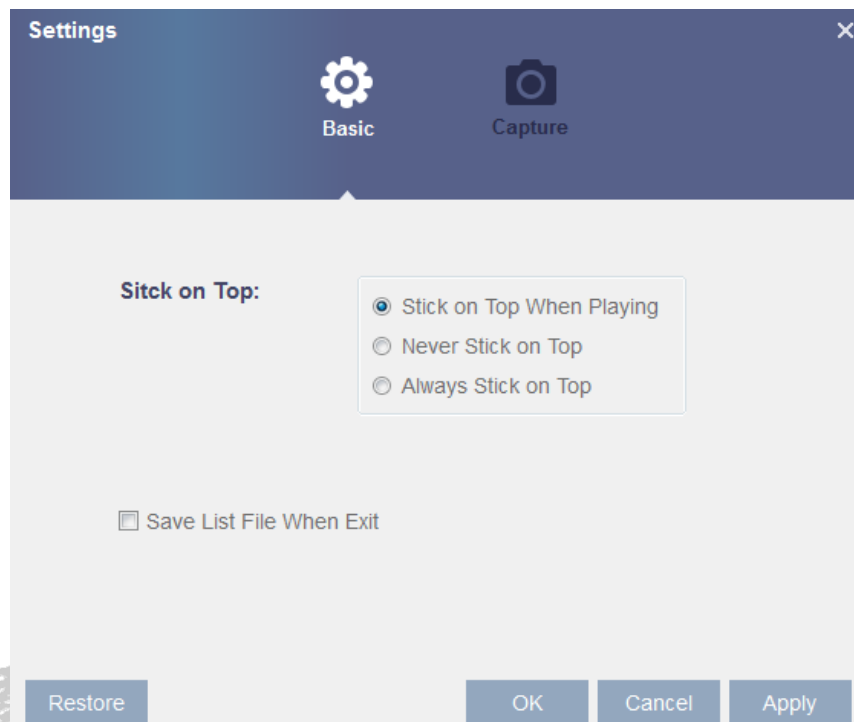
1. Copy backup files to the computer.
2. Open playback player and click “+” or “Open File”. For example, if you want to choose *.rf, add backup file and select a file to play.



-
-  Play: Click to play file
 -  Pause: Click to pause
 -  Stop: Click to stop playback
 -  Step Forward: Play frame by frame
 -  Slow Forward: playback in lower speed; the regulation sequence is 16×, 8×, 4×, 2×, 1/2, 1/4, 1/8, 1/16
 -  Fast Forward: playback in higher speed; the regulation sequence is 16×, 8×, 4×, 2×, 1/2, 1/4, 1/8, 1/16×
 -  Open file
 -  Display/hide file list
 -  Full screen display
 -  Never stick on top
 -  Always stick on top
 -  Stick on top during playing
 -  Capture: Save path: installation directory\SVideo Client\picture
 -  Cut video
 -  Adjust volume
 -  Window Division: Playback in multiple screens;
 Playback in 1, 4, 9 or 16 windows is optional
 -  Open File
 -  Clear List
 -  Play Mode: Single, Order, Repeat One, Repeat All are optional
 -  Search File
 -  Advanced configuration: Set language, parameters and About information

Basic Settings: Set on-top mode

Capture Settings: Set the path to save image

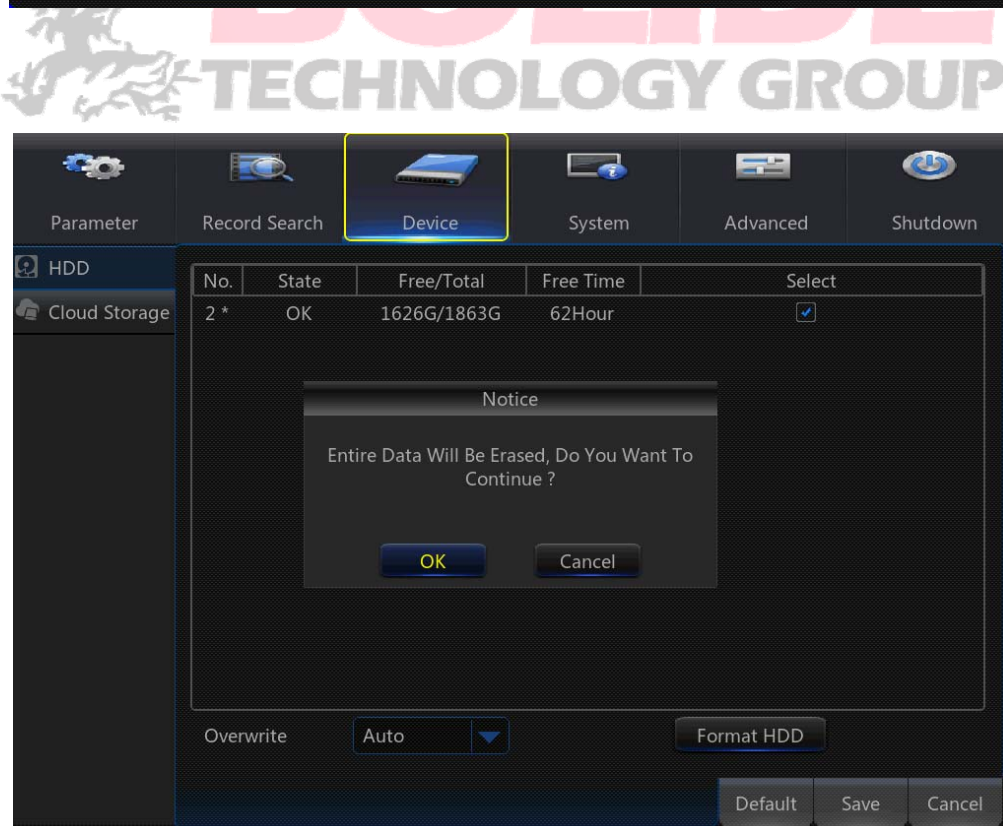
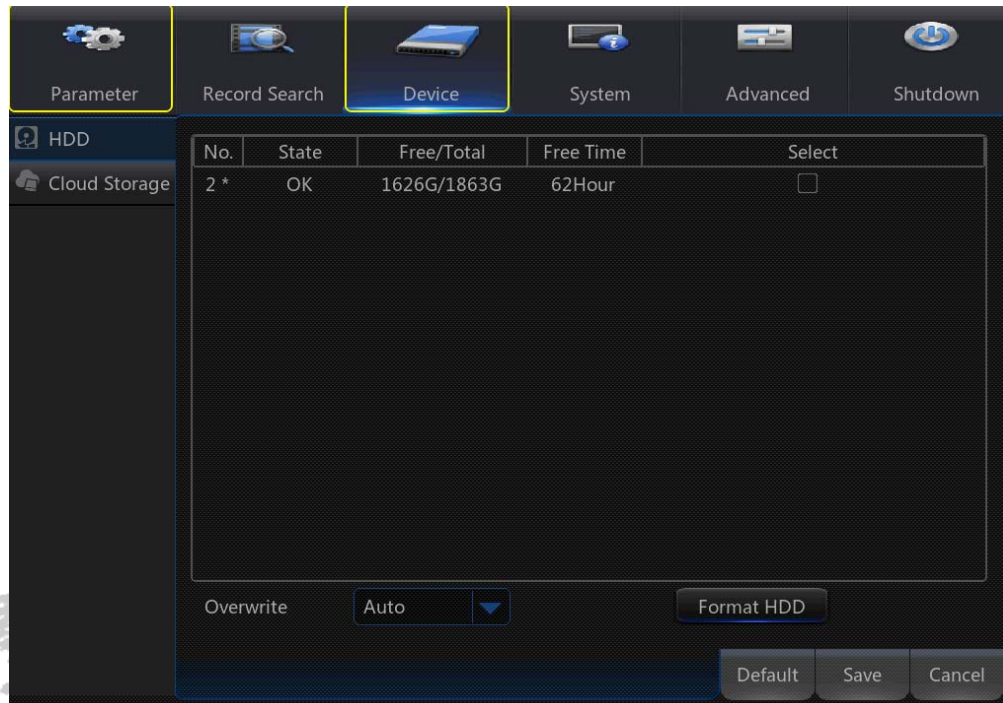


Note: It is recommended to use SVideo Player contained in compact disk for playback. Use of any other player may cause compatibility problem.

4.2.3 Device

4.2.3.2 HDD

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



When NVR is connected to a HDD, the system will automatically detect if HDD is

normal or not; If HDD need to be formatted, status will be shown as “Not formatted”. Select the HDD and format the HDD. If the system detects HDD is normal state, the HDD status will be shown as “Normal”.

- **No.:** Number of HDD 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 NVR will overwrite the oldest files on the hard drive if hard drive space is full. When set to DISABLE, the NVR 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.

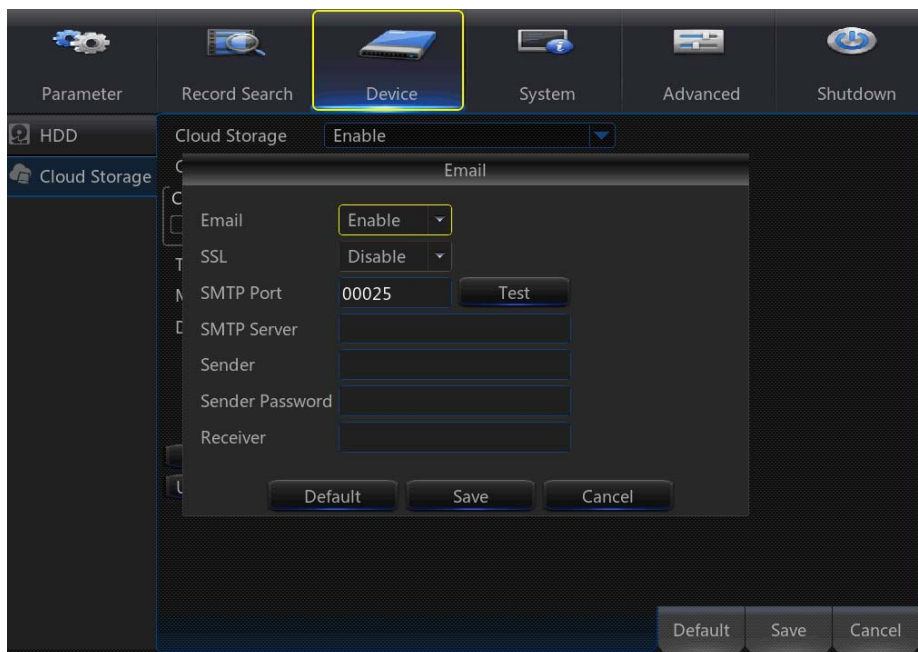
Note: Recording can only be performed when HDD is in “Normal” state.

4.2.3.2 Cloud Storage

Cloud Storage (Network HDD) can upload videos to your Dropbox account.

- 1) Register in Dropbox website, Address: <https://www.dropbox.com/>
- 2) Configure network to ensure the normal operation of NVR network.
- 3) Configure Cloud: Enable Cloud and set the channel and interval for the NVR to periodically captured pictures; Enable Motion Detection to get captured pictures for motion detection.
- 4) Driver Name refers to the name created in the folder of Dropbox and the name can be defined by the user, e.g. CloudNVR. The folder is to store the NVR periodically captured pictures).
- 5) Click [Advanced E-mail Setup] to set the Email box. User shall input his Email.
- 6) Click [Active Cloud] to activate Cloud and Email will receive the URL related to Cloud User input the registered user name to visit the above website and the following interface will be popped up.
- 7) Click the icon at the upper-left to view the folder (CloudNVR) referred to in Step 4.

- 8) Enter the folder to view the NVR captured pictures.
- 9) Click [Upgrade Cloud storage] to Check and update the new version.

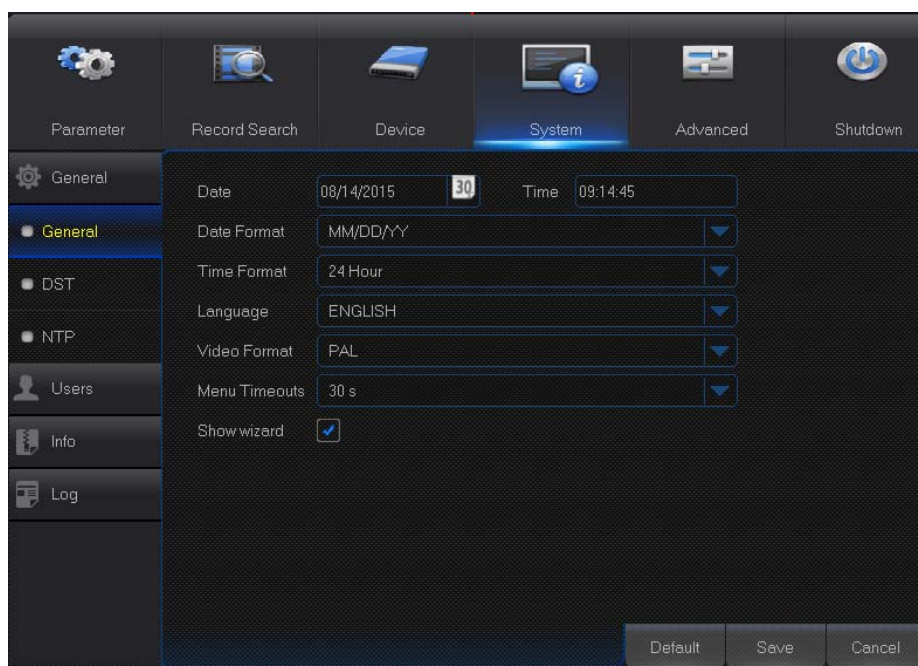


4.2.4 System

4.2.4.1 General

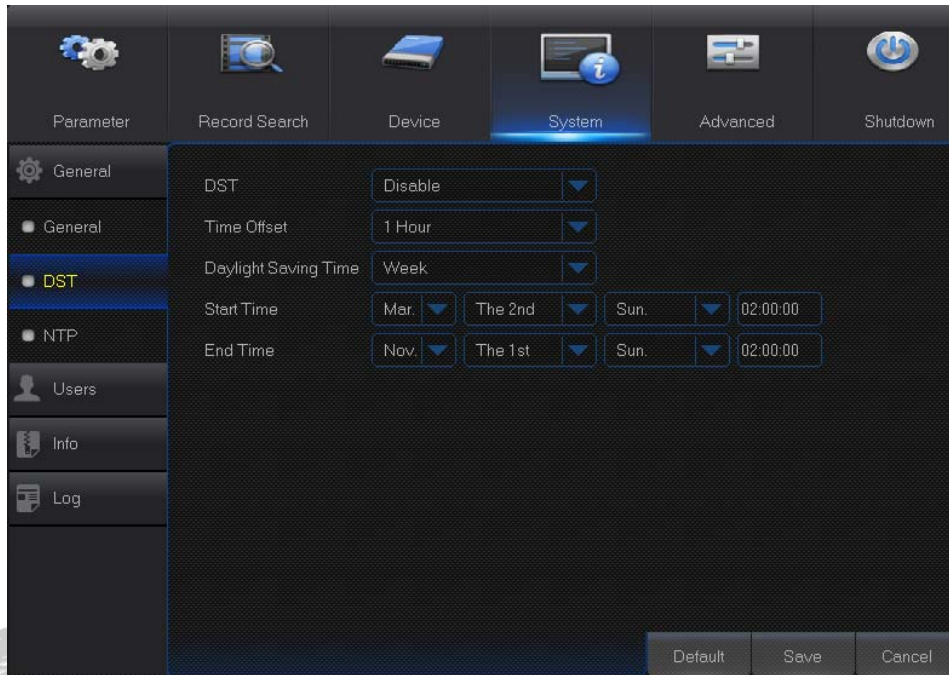
4.2.4.1.1 General

Go to "Main Menu"→"System"→"General" to enter into the interface. User may set Date, Time, Date Format, Time Format, Language, Video Format, Menu Timeouts and Show Wizard in this page.



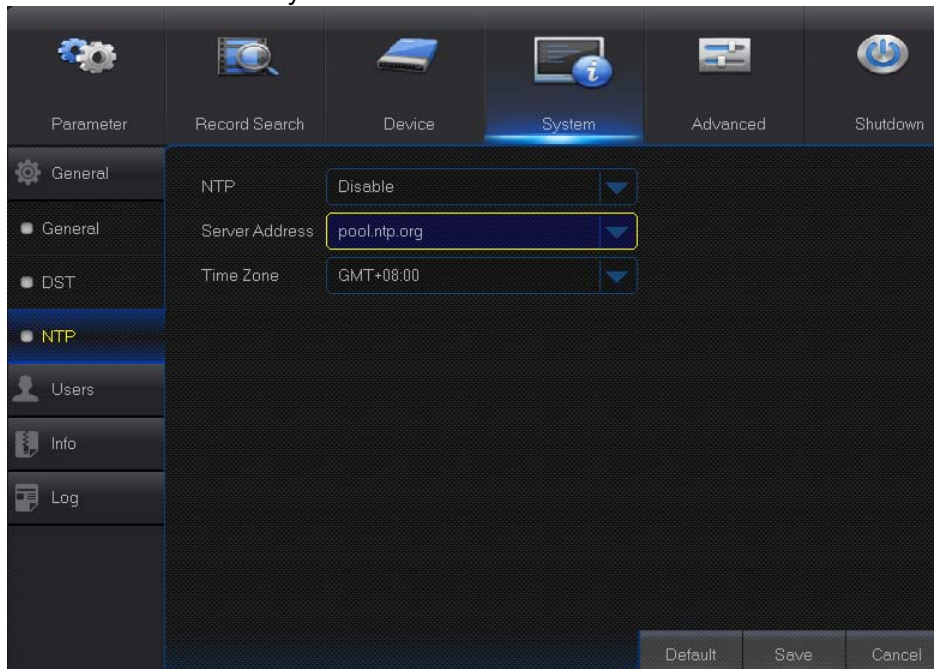
4.2.4.1.2 DST

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

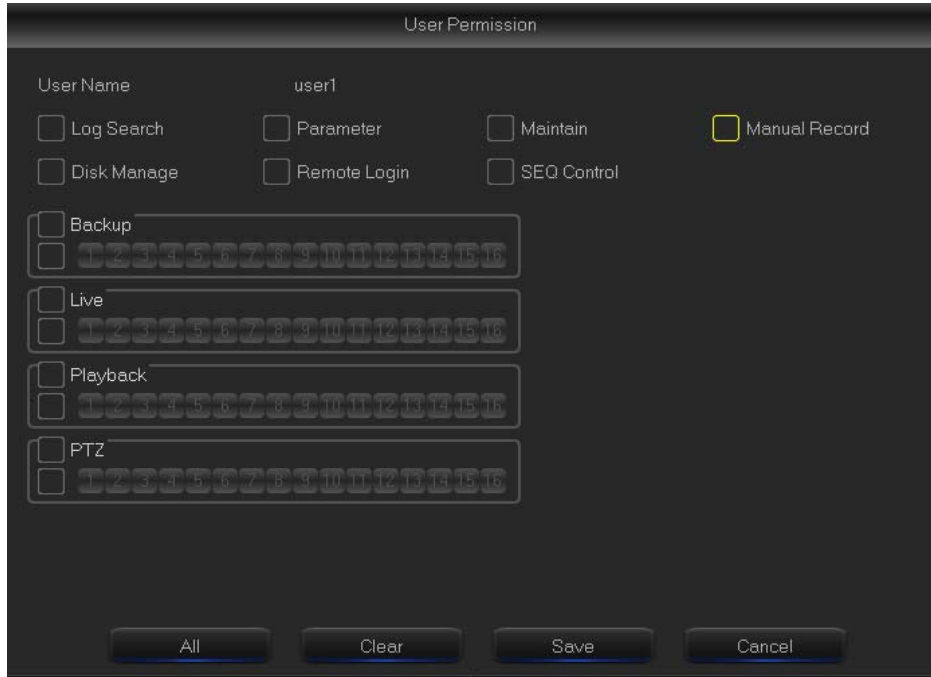
4.2.4.2 Users

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

It 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.

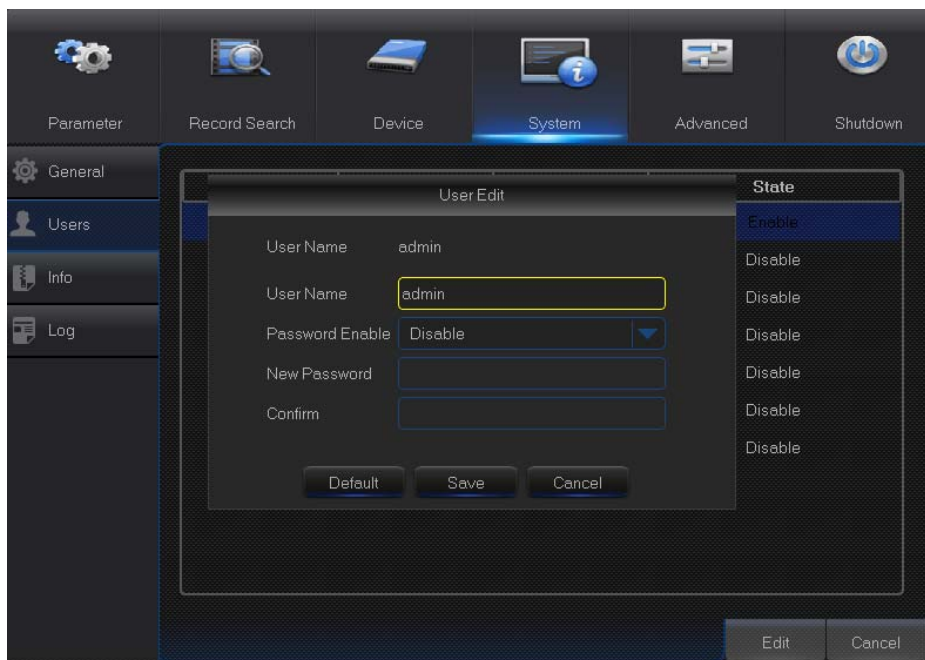
User Name consists of 8 characters and password is composed by number 0-9 with max length of 8 numbers

No.	User Name	Level	State
1	admin	ADMIN	Enable
2	user1	USER1	Disable
3	user2	USER2	Disable
4	user3	USER3	Disable
5	user4	USER4	Disable
6	user5	USER5	Disable
7	user6	USER6	Disable



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

- **Log Search:** allow you check all the system logs.
- **Parameter:** allow you set all the parameters.
- **Maintain:** allow you update version, recover ex-factory value, device reboot and shut down.
- **Disk Management:** allow you manage and control the HDD and USB drive.
- **Remote Login:** allow you remotely login NVR.
- **SEQ Control:** allow you sequence live screens for all the channels.



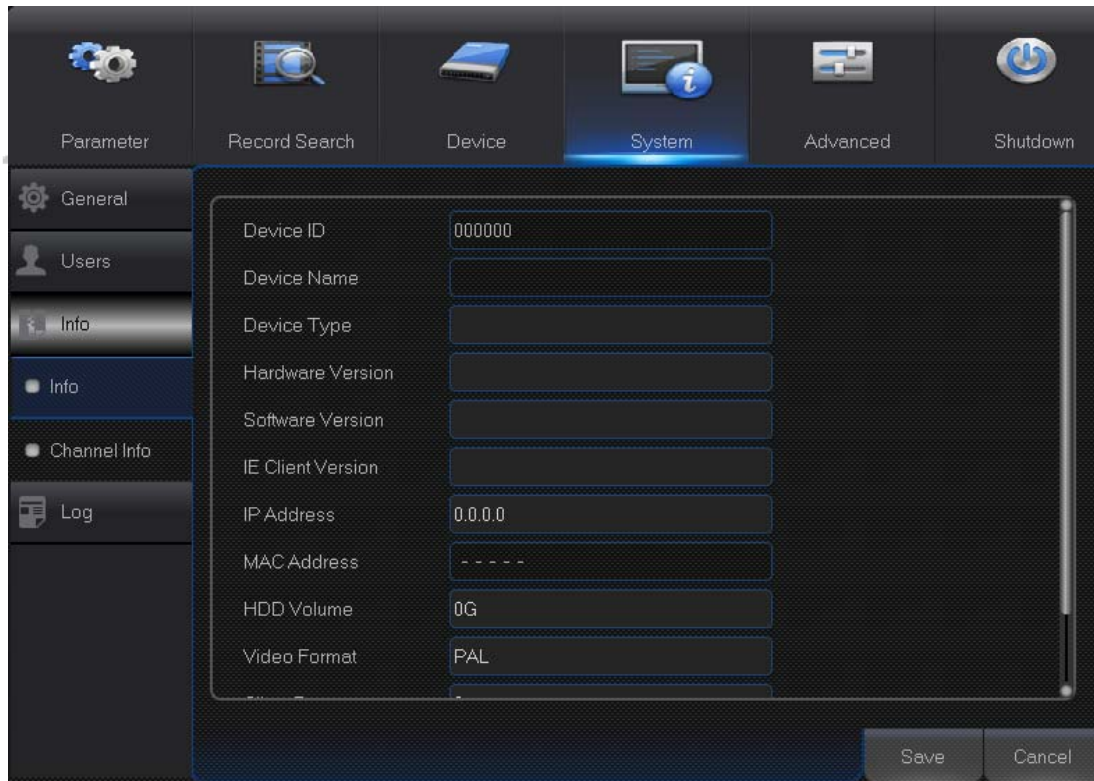
- **Manual Record:** allow you manually start/stop record.
- **Backup:** Tick-select the ENABLE option and select channel for backup, the user is allowed to backup the record in the selected channel.
- **Live:** Tick-select the ENABLE option and select a channel and the user is allowed to view all the 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

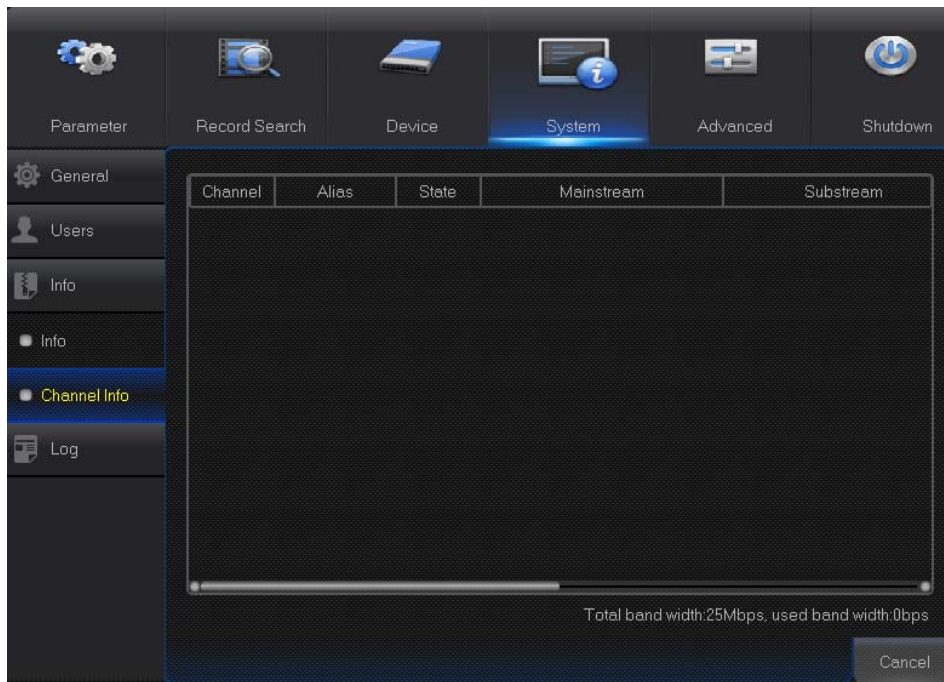
Go to “Main Menu”→“System”→“Info” to enter into the interface.

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

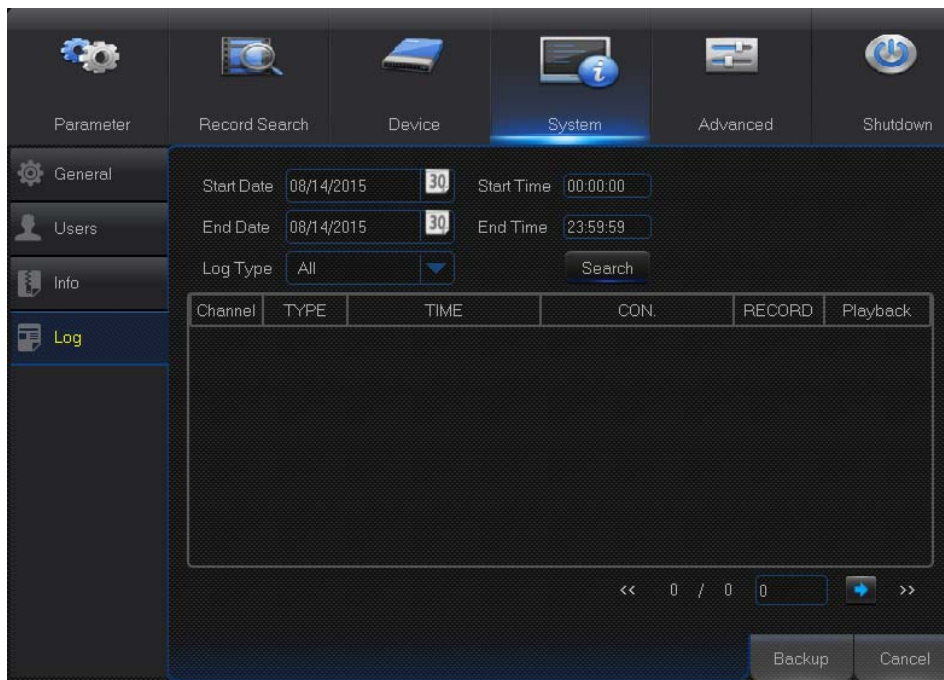
Go to “Main Menu”→“System”→“Info”→“Channel Info”.



User may view the information of various connected IPC, including state, mainstream, substream, motion detection, privacy zone, cruise, etc.

4.2.4.4 Log

Go to “Main Menu”→“System”→“Log”.

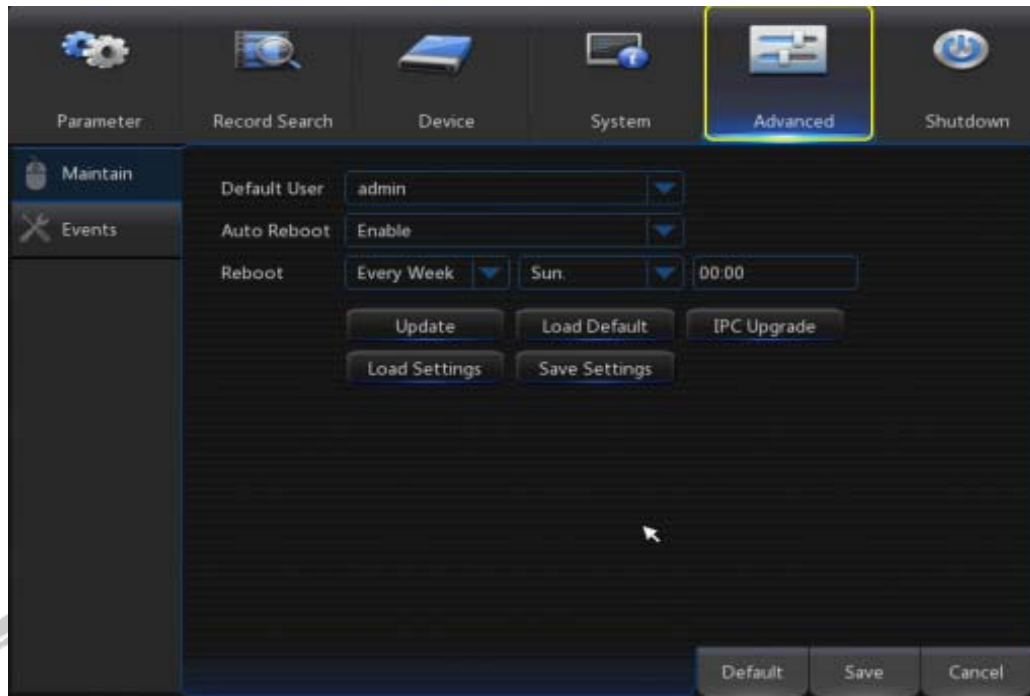


User may search log information in different period of time. Click “Backup” to save all the log information.

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, NVR should be in the main interface and no user operation.
- **Upgrade:** Decompress update file package and copy the upgrade file folder named “nvrupgrade”(The upgrade program is inside) to root directory of U flash disk; Insert the U flash disk into USB port of NVR; 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 NVR.
- **Save Settings:** Save the set parameters of user’s NVR to the removable storage device.
- **IPC Upgrade :** IPC can be upgraded by the connected NVR. Decompress IPC upgrading file and copy *.sw file to nvrupgrade directory and copy to the root directory of U flash disk, Insert the U flash disk into USB port of NVR—>Select the IPC you want to upgrade—>Click Upgrade to start upgrading IPC.

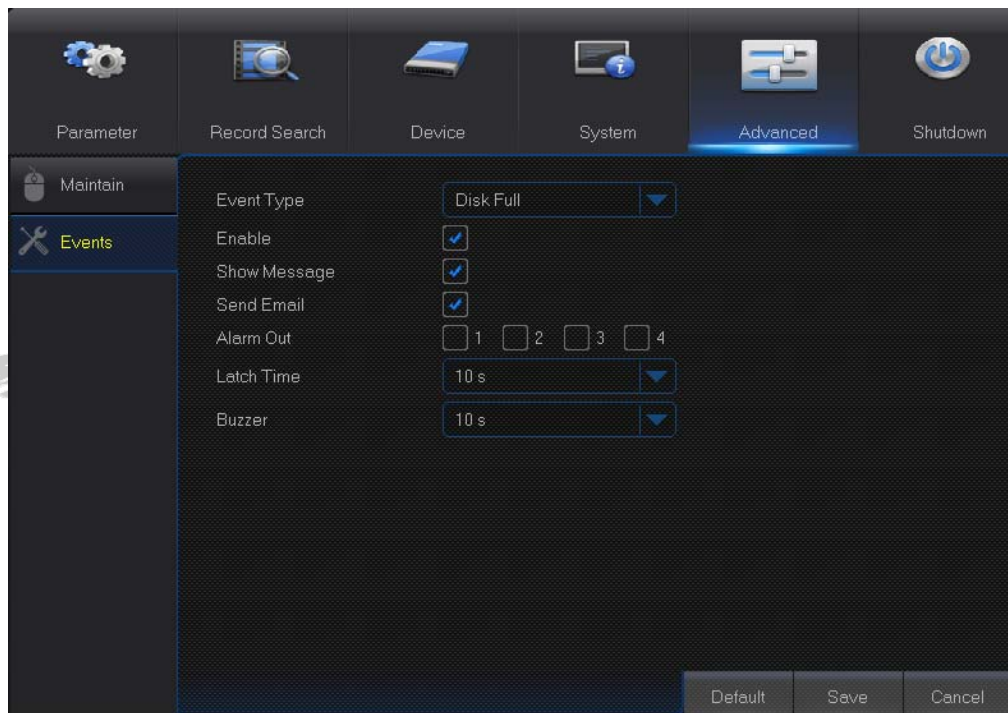
Note: Do not take out the USB memory or cut off the power during upgrading. When the update is done, system will be automatically restarted. After about 5 minutes, the upgrading will be finished. It is recommended to **load ex-factory default** after upgrading. The auto maintain function can be effective only when NVR returns back to Preview mode

with no any operation within the set auto maintain time.



4.2.5.2 Events

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

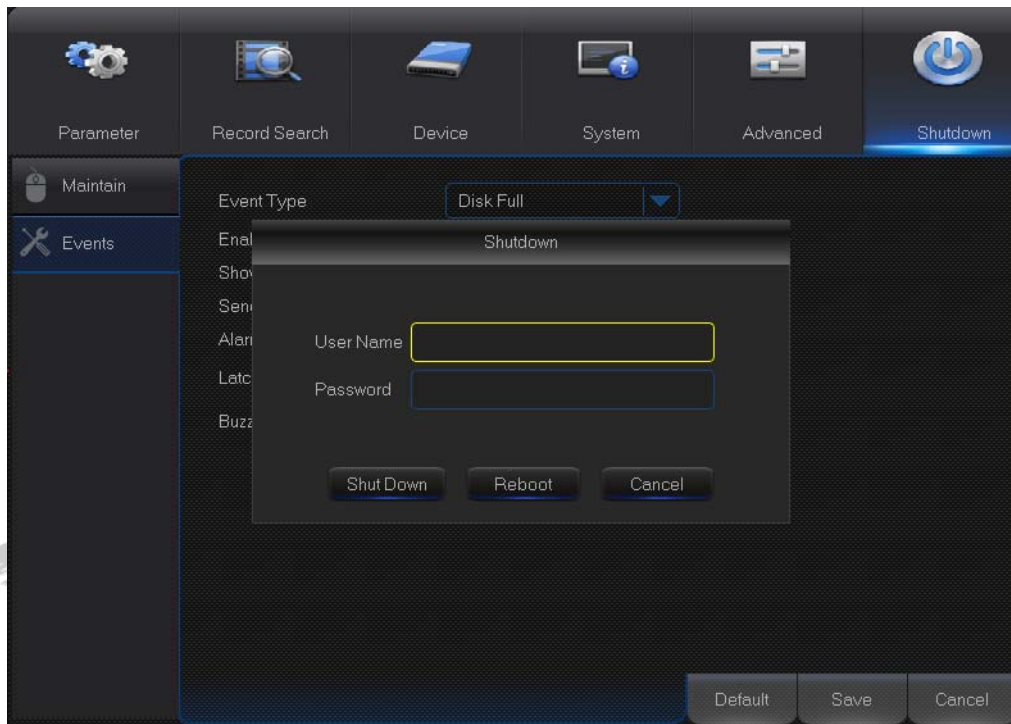


- **Event Type:** Support three abnormal types: Disk Full, Disk Error and Video Loss.
- **Enable:** Active alarms for abnormal situations.
- **Alarm Out:** Enable or disable alarms
- **Latch Time:** How long the buzzer will sound when external sensor alarm is detected (10s, 20s, 40s, 60s).
- **Show Message:**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


4.2.6 Shutdown

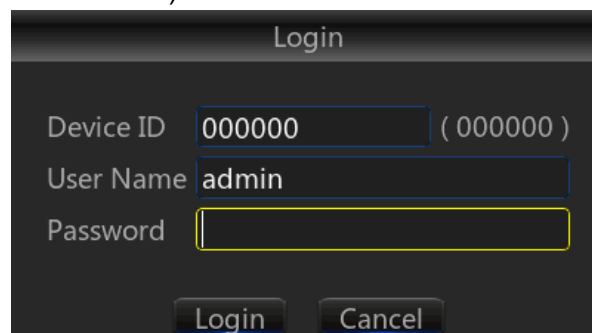
Go to “Main Menu”→“Shutdown” to enter into the menu interface.

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



4.3 Menu Lock

In consideration of system safety, user may click the icon  on the toolbar when he leaves away from NVR 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**).



A screenshot of a 'Login' dialog box. The dialog box has a title bar that says 'Login'. It contains three input fields: 'Device ID' with the value '000000' and a hint '(000000)', 'User Name' with the value 'admin', and 'Password' which is empty. At the bottom of the dialog box, 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 Stream Switch

Click HD  to switch to Main Stream, and click SD  to switch to Sub Stream.


4.6 View Image Quality

You can click  to switch among Real Time, Balanced and Smooth.

4.7 Start Sequence

After set channel sequence time(Refer to Chapter 4.2.1.1.3), click Start Sequence icon on the toolbar to start sequence.

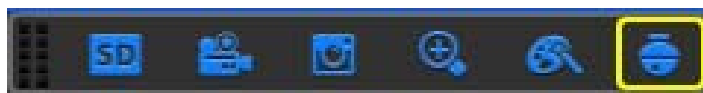
4.8 Mute

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

4.9 Start Cruise


Set the PTZ preset position for cruising:

In preview interface, click the channel which needs PTZ function, enter the menu of the channel.



Click the Cradle Control icon , entering the control platform.




Click the triangle icon menu in Cradle Control platform , enter the interface for the preset point.




The video screen can be moved to the direction of cruise point as you want by controlling the eight direction keys in PTZ platform. You can modify the PZT time to set the duration which PTZ will stay in one point. If there are multiple points want to set, select the preset point according to the same method, then click “PTZ Setting”. Pls note that the preset point statistic after “Total Preset” is correct, click “Clear” to clear the current settings, then Save. Other channels can be set in the same way, then the cruise route of the channel was set done.



Click the icon  right below the preview interface, then PTZ will start to cruise based on the planning route which you set.

4.10 Record Search

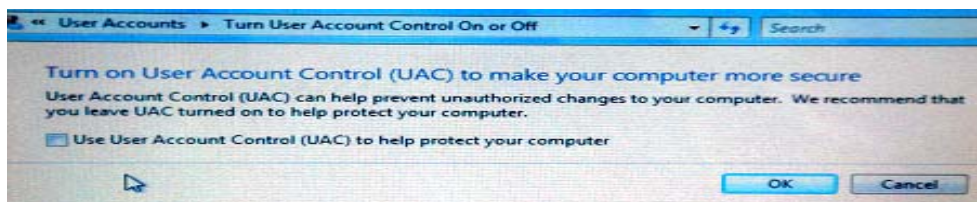
Click  icon on the toolbar to enter into the Record Search interface to search and playback. Refer to chapter 4.2.2 for specific operating method.

Chapter 5 Web Application Manager

5.1 ActiveX control download and installation

Open your web browser and input the IP address of NVR, such as: <http://192.168.1.168> . If your computer is connected to internet, it will download and install “ActiveX” plug-in automatically. If your computer system is Windows Vista or Windows 7, you may need to setup the user authority for remote control, or you may be unable to backup or record.

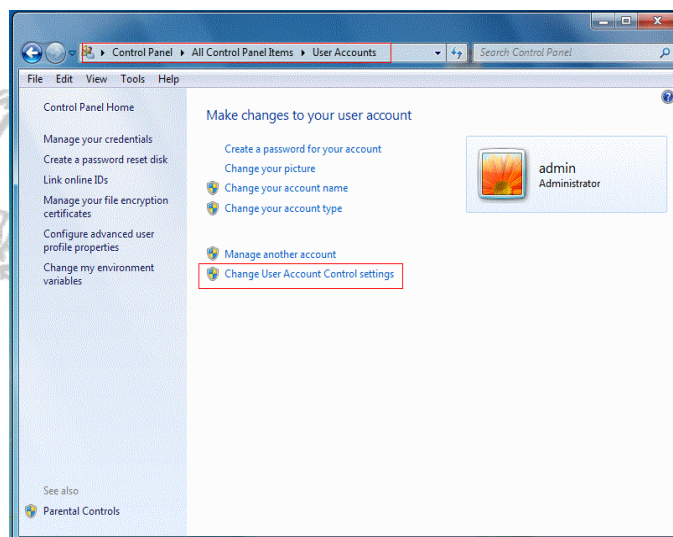
Vista System: Start→Setup→Control Panel. Set user authority in control panel (as shown in picture below). Remove the Tick “√” in front of the option “Use UAC to help protect your computer” and confirm OK.



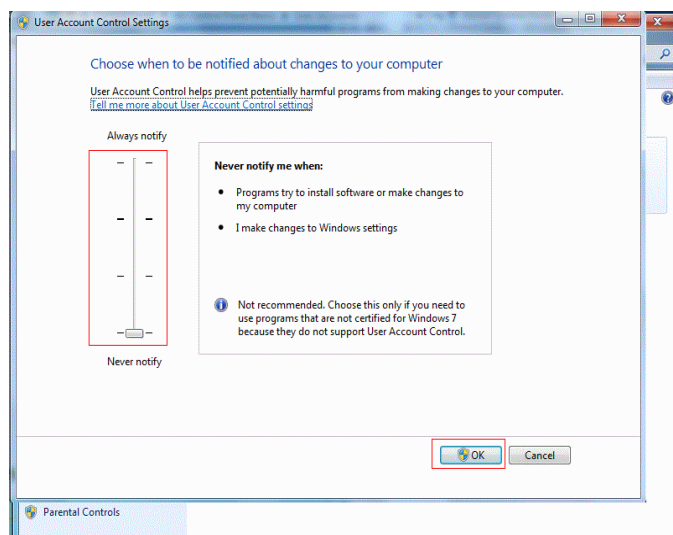
Vista

WIN7:

WIN7-1



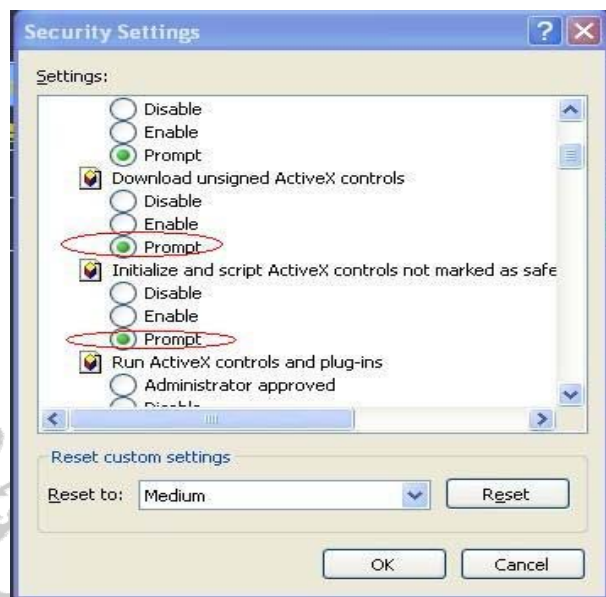
WIN7-2



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.



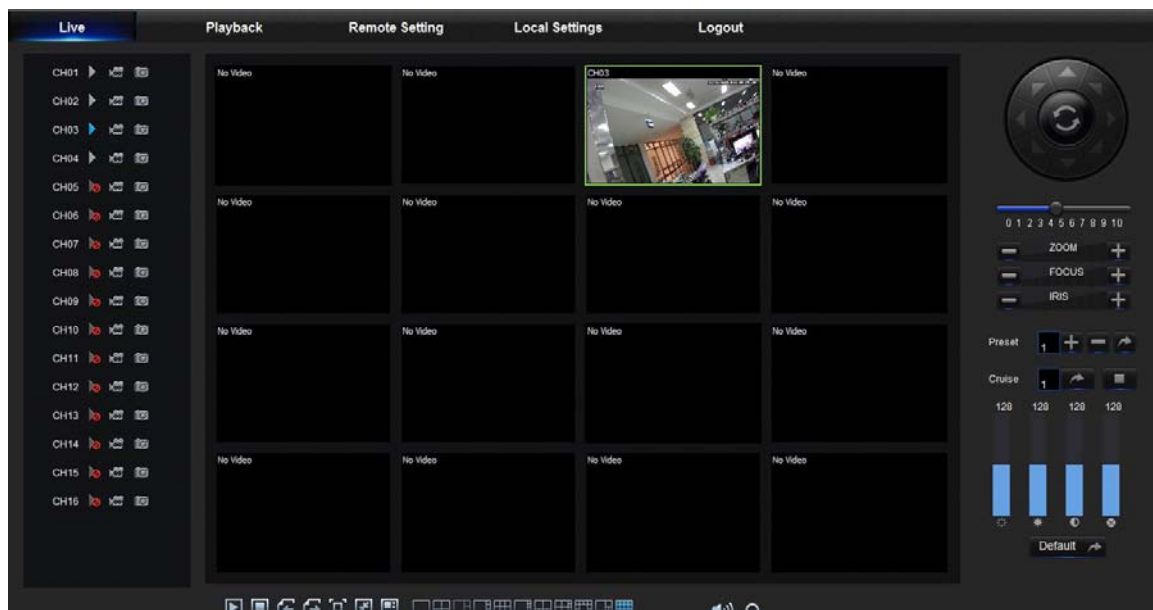
5.2 Web Application Manager Login

After ActiveX controls installation, please input user name and password, select Main Stream or Sub Stream (In general, select main stream for intranet and sub stream for outer net), 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 client and remotely visit NVR. The default password is admin and administrator is authorized to modify the password. Set password as per introductions of user management in system setting.

A screenshot of a 'User login' web form. The form has a title 'User login' and several input fields: 'User Name' with 'admin' entered, 'Password' (empty), 'Client Port' with '53271' entered, 'Bitrate' with a dropdown menu set to 'Sub stream', and 'Language' with a dropdown menu set to 'English'. There are two checkboxes: 'Remember Pwd' (unchecked) and 'Open All Channels Preview' (checked). At the bottom, there are 'Login' and 'Reset' buttons.

5.3 Live Interface

Log in and enter into the live interface to establish video link.



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 position on PC after the function is enabled.

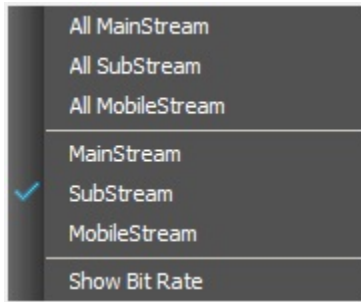


: Snapshot: Capture the selected live image and save it to a specified position on PC. The image is saved as *.bmp format.



: Open or close the images on Live window.

Or click the right key of 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.

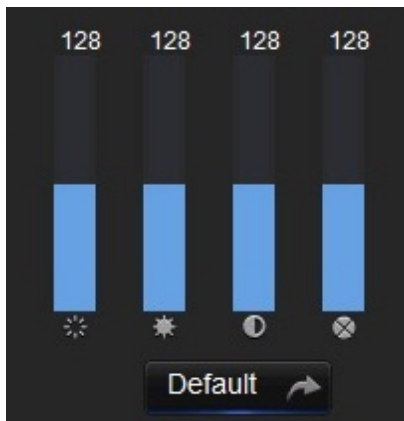
5.3.1.2 PTZ







PTZ cruise, the specific parameters refers to the

1	turnover
2	the dome will cruise to the eight direction
3	speed adjustment
4	Zoom in and out
5	Adjust the focus of the lens
6	Iris
7\8	Edit the previous (later) preset
9	Jump to the preset point
10	Start to cruise
11	Stop to cruise

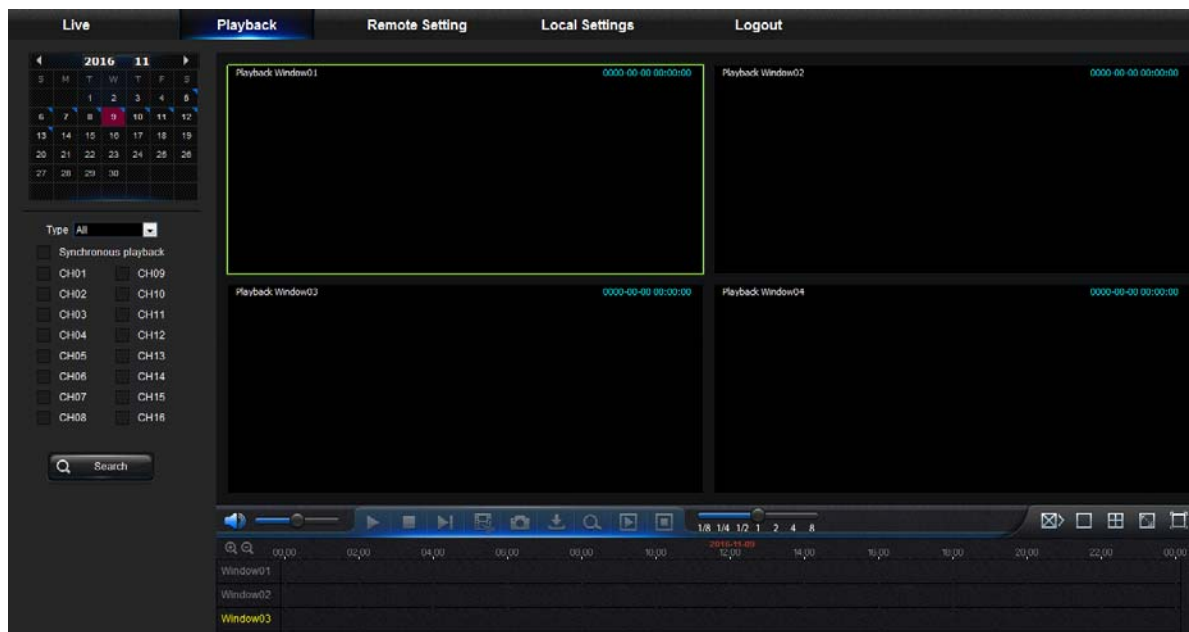
5.3.1.3 Video Control



- : 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 NVR HDD.

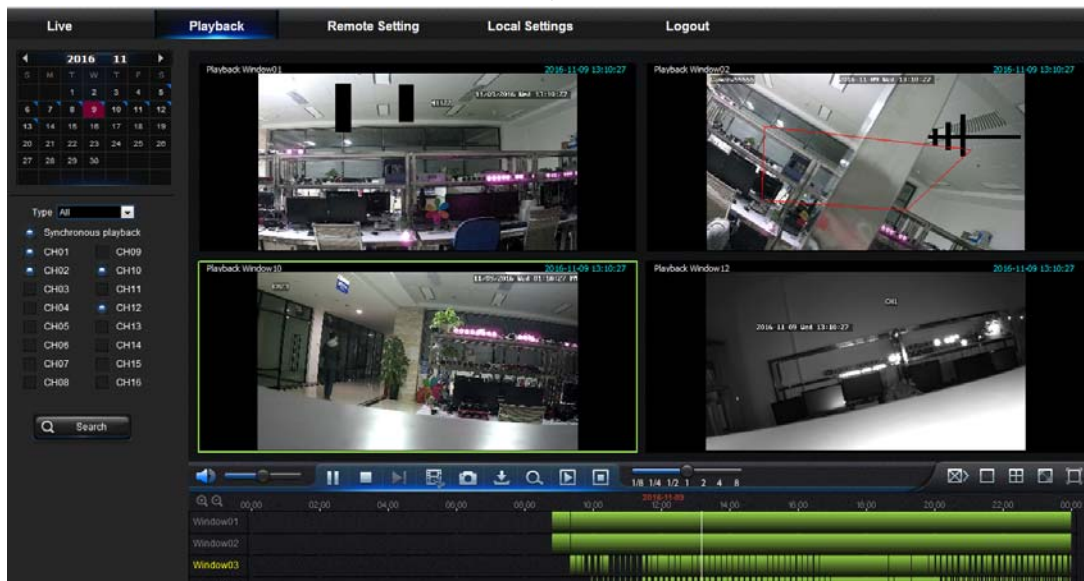



It supports 4 channels playback.

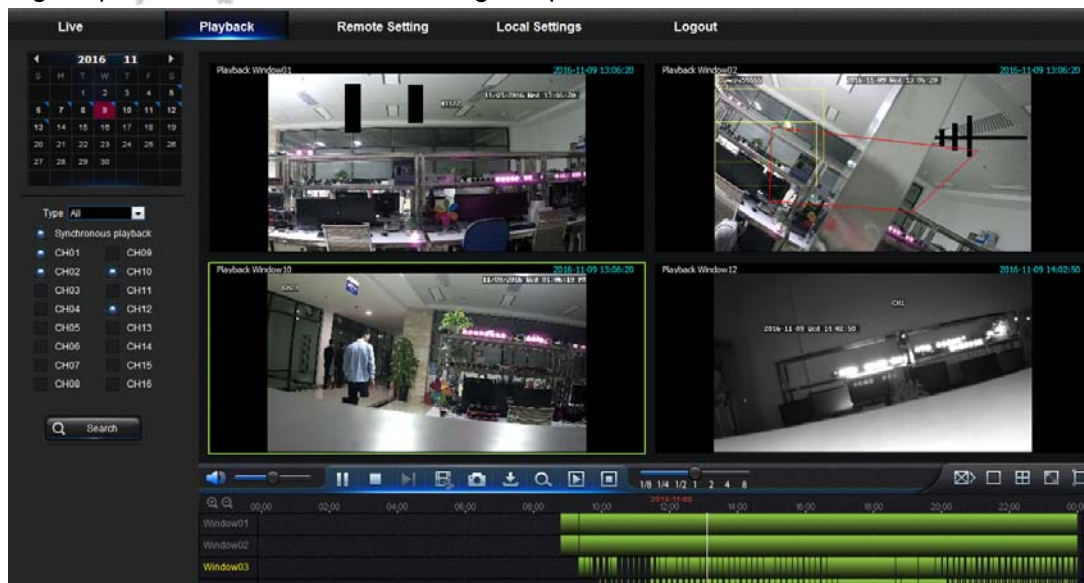
5.3.2.1 Record Search



Record playback procedure



Firstly, select the date you want to check and select 4 channels. Any record files in current channel at 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 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 playback. Thirdly, 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  to zoom in/out the time bar display ratio.

5.3.2.2 Playback Control

Playback control bar.



Detailed brief description is shown as below list






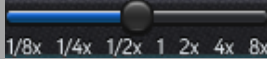












Key	Description	Key	Description
	Play		Enable the volume switch
	Pause		Volume adjustment bar
	Stop		Slow playing 1/2, 1/4, 1/8, Fast playing 1/2, 4/8
	By frame		Stop playing all the files
	Record Clip		Single channel mode
	Snap		Quad mode
	Download		Full Screen
	Open all the playback channels		Stop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

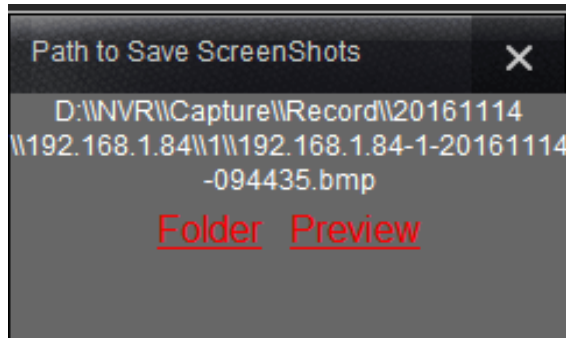
Table 5-1

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

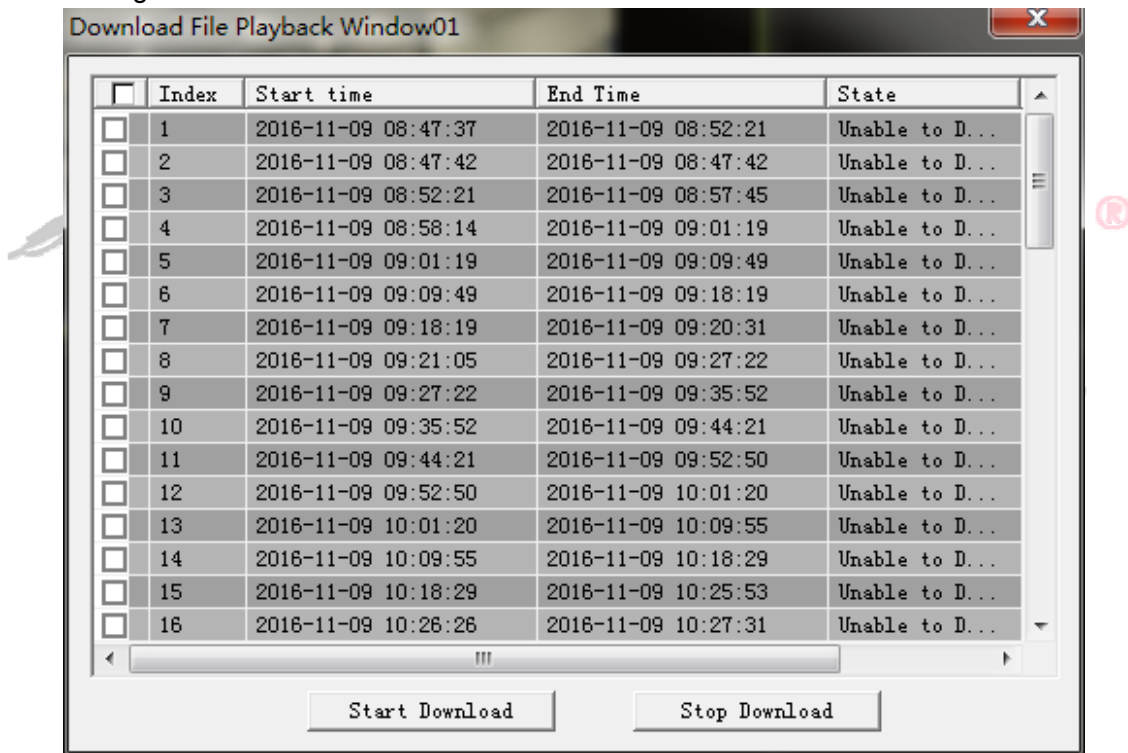
Move the mouse cursor to the channel you want to capture, and click [] icon to capture the live images remotely. After capturing the images successfully, a path prompt box will be popped up.



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 Parameter Setting

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

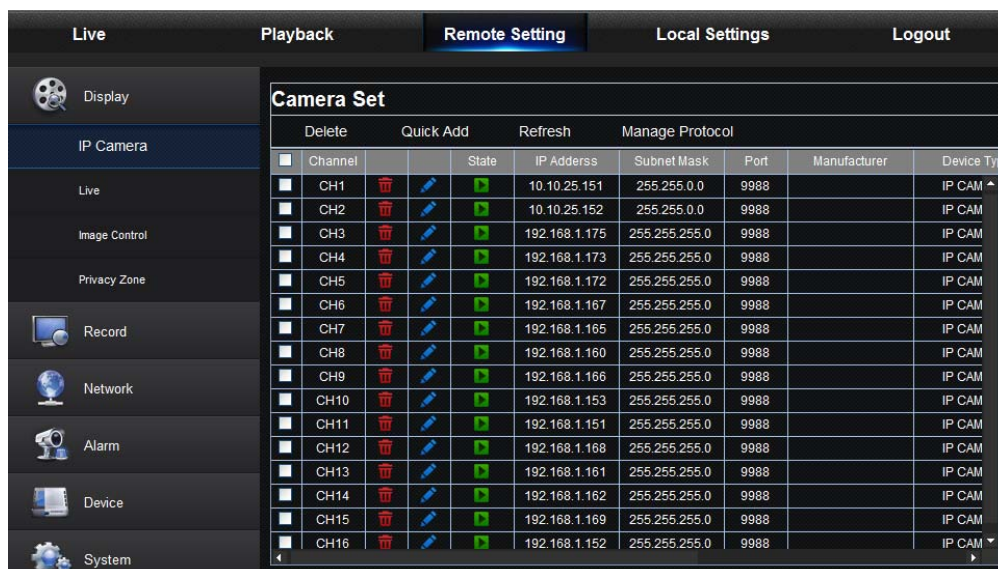
5.3.3.1 Display

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

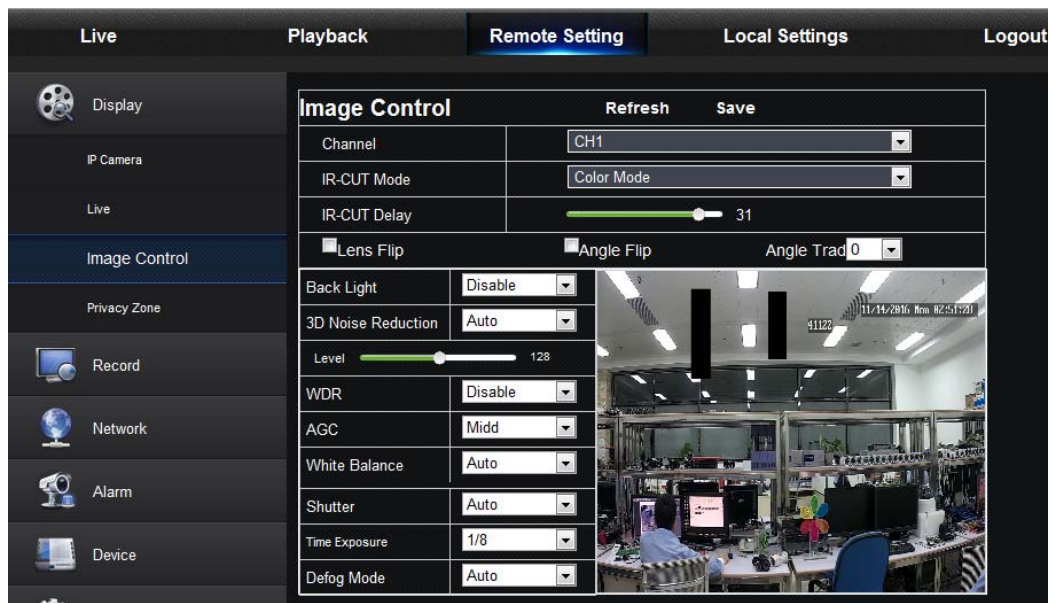
1. Live: You may change channel name, position, channel preview and relevant parameters. If show time is set as <disable>, current NVR system time will not appear on the screen on Live mode.



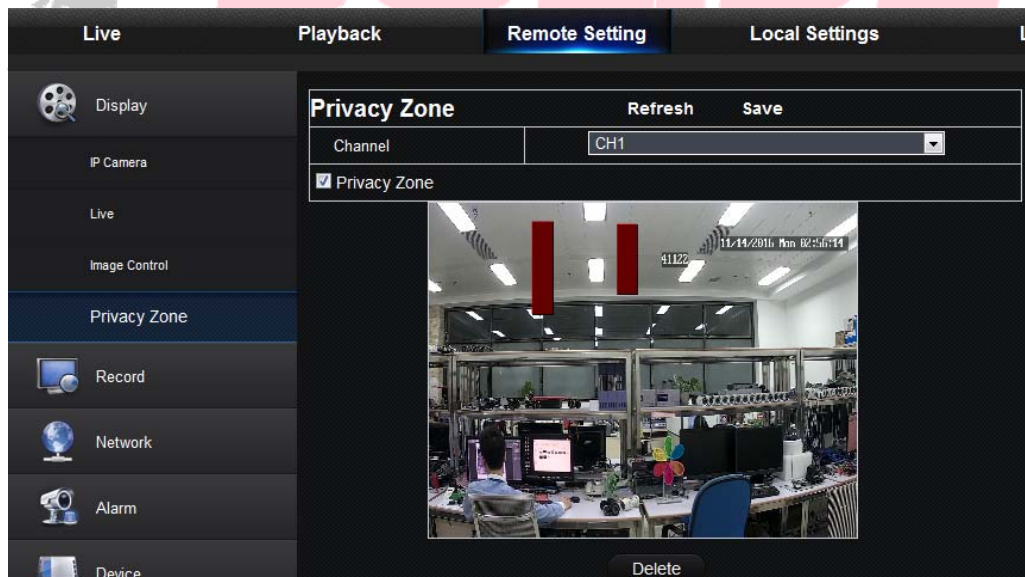
2. IP Camera: Display the information of added IPC. It can quickly add the on-line IPC and delete the added IPC.



3. Image Control: You can configure some settings of IPC, such as white balance, 3D noise reduction and image reversal etc.



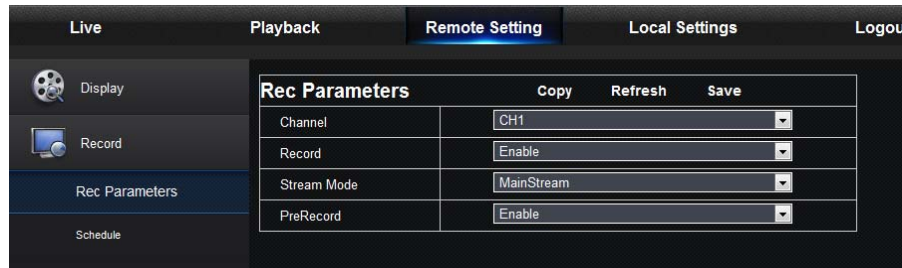
4. Privacy Zone: Each channel can set 4 privacy zones. The relevant parameters should be consistent with NVR local setting. Select zones to be deleted and click "Delete" and click "Save" at up-right corner.



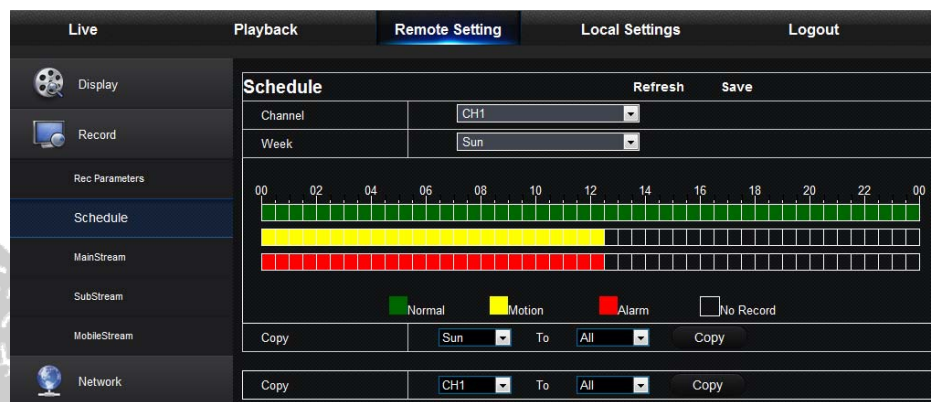
5.3.3.2 Record

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

1. Record Parameters. The parameters should be consistent with NVR local setting.

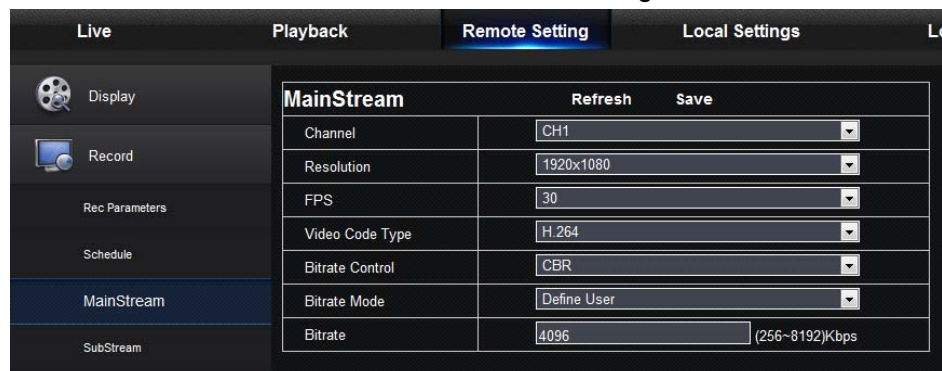


2. Record Schedule. The parameters should be consistent with NVR local setting.



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

3. Stream setting. User may set Mainstream, Substream and Mobilestream. The relevant parameters should be consistent with NVR local setting.



5.3.3.3 Network

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

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

The screenshot shows the 'Remote Setting' tab in the NVR interface. The 'Network' sub-option is selected in the left sidebar. The main content area displays the 'Network' configuration table with the following fields and values:

Network		Refresh	Save
Type	Static		
Client Port	19988		
HTTP Port	18899		
IP Address	192.168.1.84		
Subnet Mask	255.255.255.0		
Gateway	192.168.1.1		
DNS 1	182.92.131.150		
DNS 2	8.8.8.8		
UPNP	Enable		

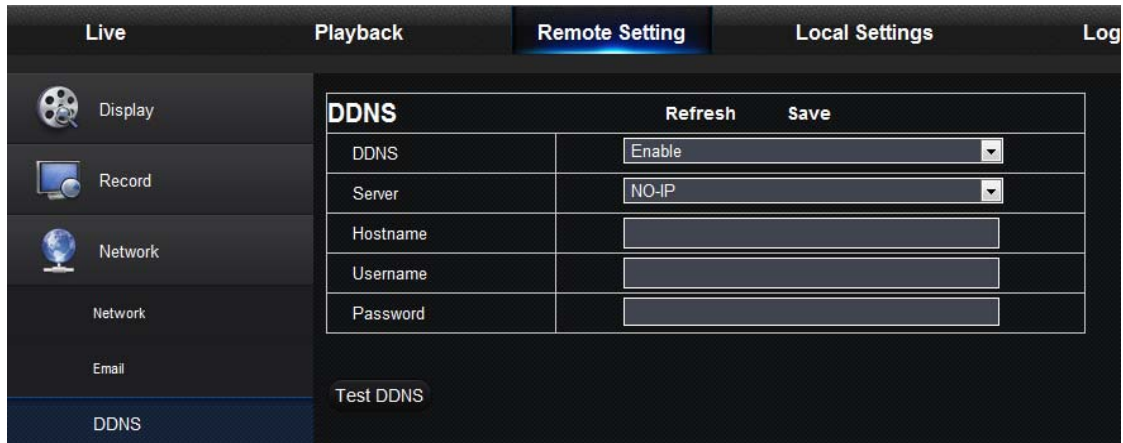
2. Email: Set NVR alarm Email configuration parameters, including Email address, SSL, Email Enable, Interval and Email Schedule, etc. Detailed parameters should be consistent with NVR local setting.

The screenshot shows the 'Remote Setting' tab in the NVR interface. The 'Email' sub-option is selected in the left sidebar. The main content area displays the 'Email' configuration table with the following fields and values:

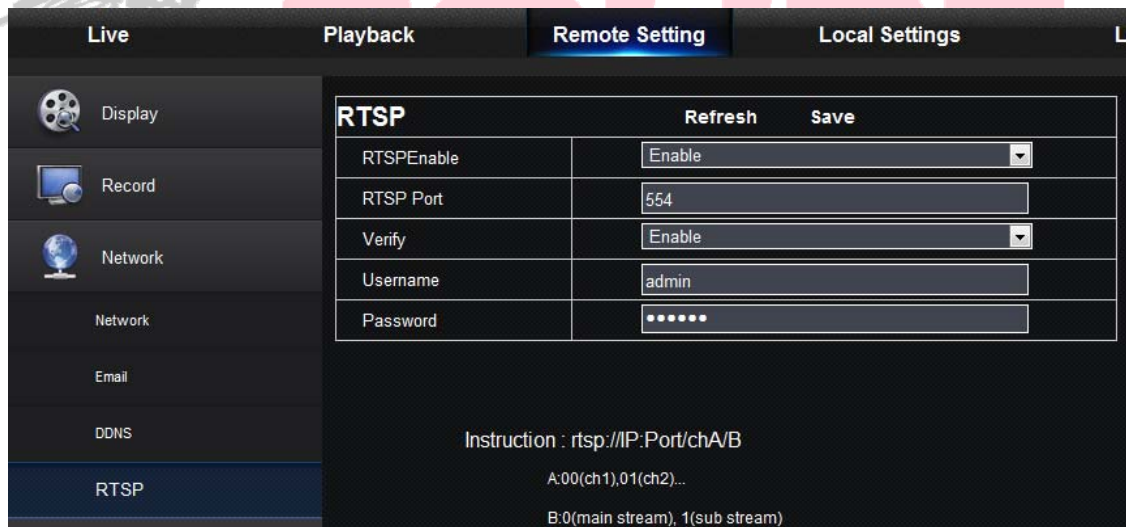
Email		Refresh	Save
Email	Enable	Schedule	
SSL	Enable		
SMTP Port	465		
SMTP Server			
Sender			
Sender Password			
Receiver			
Interval	3Min		

Test Email

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



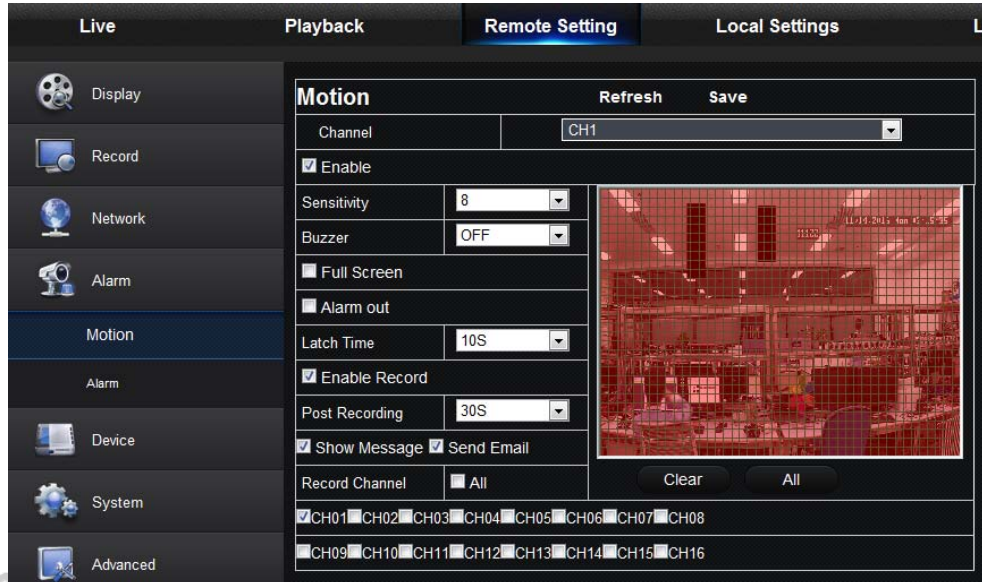
4. RTSP: Set user name and password to view video by PC software VLC.



5.3.3.4 Alarm

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

1. Motion Detection: Configure Sensitivity, Alarm out, Alarm Record and Alarm Capture, etc. Detailed setting should be consistent with NVR local setting.



2. I/O alarm setting (If available): Set parameters for I/O Alarm, Alarm Out, Alarm Record, Send Email, etc. Detailed setting should be consistent with NVR local setting.

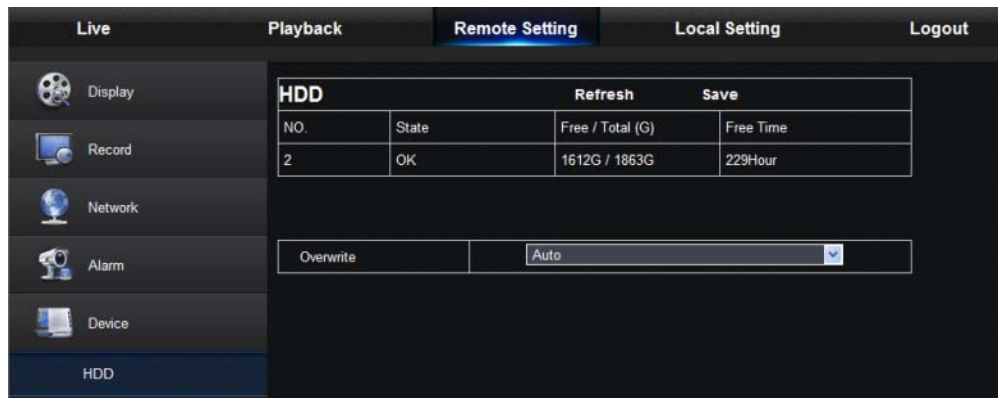


5.3.3.5 Device

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

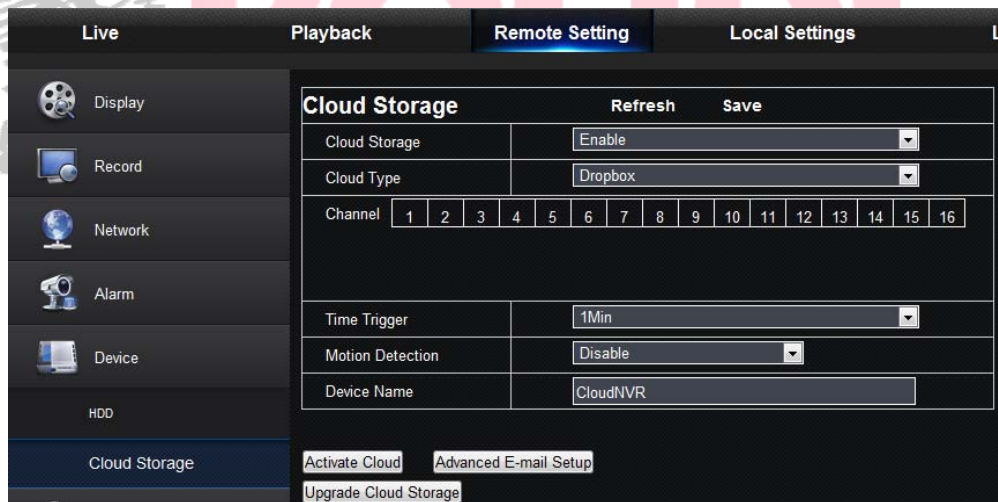
HDD

User may check HDD status of NVR and overwritten time. Detail setting should be consistent with NVR local setting.



Cloud storage

Cloud Space (Network HDD). It can upload the NVR periodically captured pictures and motion detection captured pictures to Dropbox.



5.3.3.6 System

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

1. General

User may check NVR language and video system and set system time, date/time format, menu display time, DST and NTP parameters. Detailed setting should be consistent with NVR local setting.

General		Refresh	Save
System Time	1/1/2014	10	39 29
Date Format	MM/DD/YY		
Time Format	24Hour		
Language	ENGLISH		
Flicker	50HZ		
Menu Time Out	30S		
Start show wizard	Disable		
<input type="radio"/> DST <input type="radio"/> NTP			

2. Users

User may configure user name and password. Detailed setting should be consistent with NVR local setting.

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

3. Information

User may search device name, device number, device type, MAC address, software version, IE version and hardware version of NVR.

The screenshot shows the NVR web interface with the 'Remote Setting' tab selected. The left sidebar contains menu items: Display, Record, Network, Alarm, Device, System, General, Users, Info (selected), and Advanced. The main content area displays the 'Info' page with a 'Refresh' button and a table of device information.

Info	Refresh
Device Name	NVR082-1080P
Device ID	000000
Device Type	NVR082-1080P
Hardware version	DM-203
Software Version	V5.2.0-20140731
IE Client Version	V2.0.0.141
IP Address	192.168.001.131
MAC Address	00-23-63-36-C8-94
HDD Capacity	1863G
Flicker	50HZ
Client Port	53271
HTTP Port	16534

5.3.3.7 Advanced

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


1. Firmware Update

User may remotely update NVR system.

The screenshot shows the NVR web interface with the 'Advanced' menu item selected. The left sidebar contains sub-options: Firmware Update (selected), Load Default, Events, and Maintain. The main content area displays the 'Firmware Update' page with an 'Upgrade file path' input field, a 'Browse' button, and 'Start' and 'Stop' buttons.

Updating procedure:

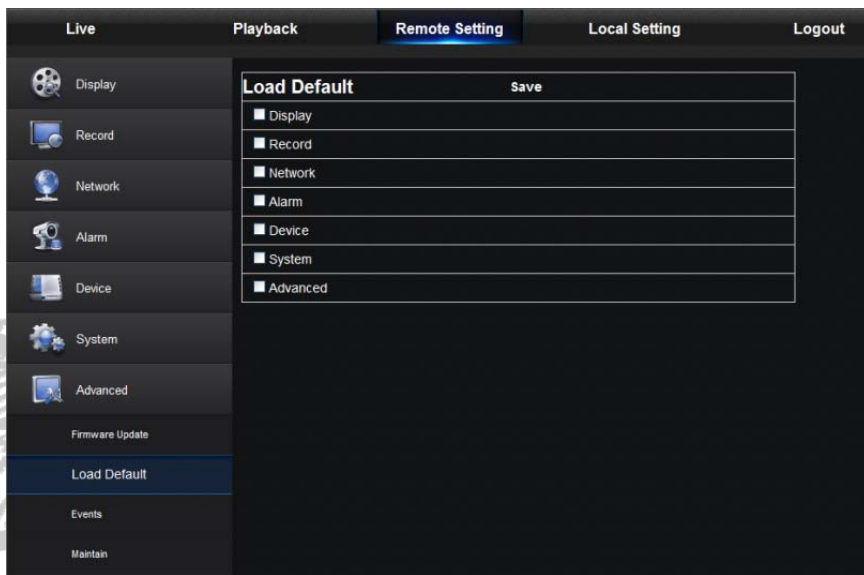
Firstly, select the update file path. The file format is .sw.

 N3216_V150414V150414V150610V150807V150723V150807_W.sw

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

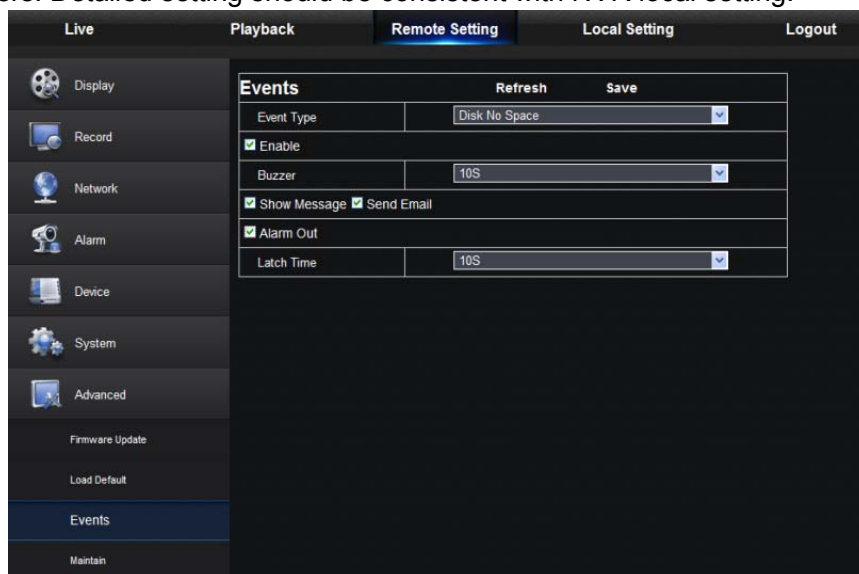
2. Load Default

User may remotely restore default parameters of NVR, with same setting method as that of NVR.



3. Events

User may configure Event Type, Buzzer, Send Email, Show Message and other parameters. Detailed setting should be consistent with NVR local setting.



4. Maintain

Allow you remotely set auto maintain time for NVR. Detailed setting should be consistent with NVR local setting.

	Refresh	Save
Auto Login	admin	
Auto Reboot	Enable	
Reboot	Every Week Sun 00 00 00	

5.3.4 Local Setting

User may 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).

Local Setting

Record Path: D:\NVR\Record


Download Path: D:\NVR\DownLoad

Snapshot Path: D:\NVR\Capture

File type: 264 Interval: 10 Min

Save

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, and if something wrong with the HDD interface. Or you may check if your HDD is supported by referring to the specifications or descriptions.
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 our technical personnel. We strongly suggest user to set password easy to be remembered and relatively safe. If you have safety requirement, please do not set very simply password, such as 000000.
3. Q: We see abnormal video signal or even no video signal by connecting the NVR and camera together. Power supply for both devices is OK. What is wrong?
A: Check network cable at NVR side to see if the cable is firmly connected and if it is worn out and needs to be replaced.
4. Q: How to prevent NVR from being influenced by heat?
A: The NVR needs to dissipate heat while it is running. Please place the NVR in a place with good air circulation and away from heat sources to ensure stability and life of the NVR.
5. Q: The remote controller doesn't work while 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 are dying. If not, check if the remote controller is broken.
6. Q: I want to take out HDD from my PC and install it in NVR. Can it work?
A: All HDDs supported by the system can be used. But remember, once NVR runs, the data on your HDD will be lost.
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 NVR?
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 log in NVR client?
A: Please check if the network connection settings are correct and RJ-45 port is with good contact. And check if your account and password are correctly input.
10. Q: Why can't I find any records during playback?
A: Please check if the data line connection for HDD is OK and system time is properly adjusted. Try a few times and restart. If it still doesn't work, check if the HDD is broken.
11. 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.

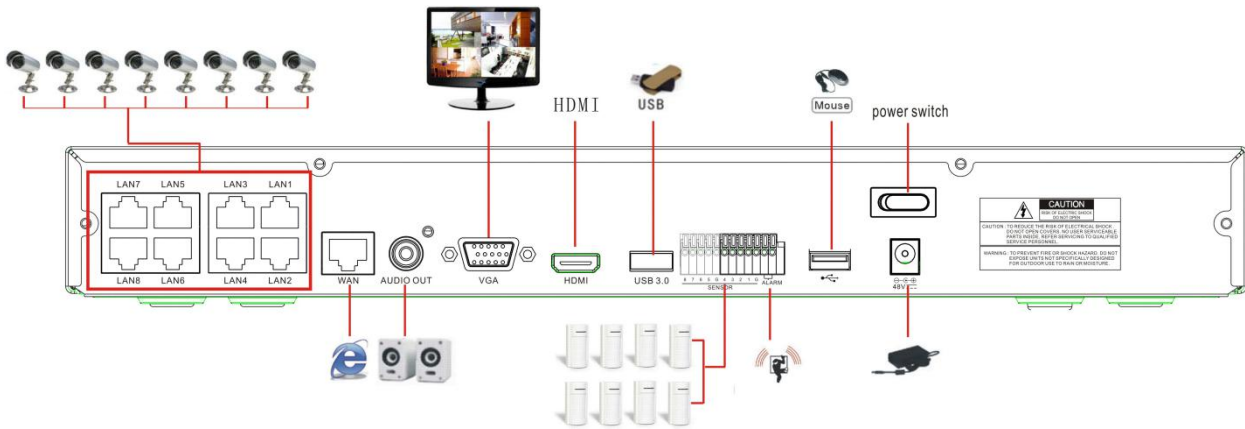
-
12. Q: Why doesn't alarm work?
A: Please check if the alarm setting, alarm connection and alarm input signals are correct.
13. Q: Why does buzzer keep alarming?
A: Please check the alarm setting, check if motion detection function is enabled and object motion is detected all the time and if I/O alarm is set as Always Off. Besides, refer to corresponding HDD alarm setting.
14. 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. And another way of stopping recording is to set channel in record setting as Off.

6.2 Usage Maintenance

1. To shut down NVR, please firstly shut down the system and then turn off the power. Do not turn off the power directly or HDD data will be lost or damaged.
2. Please keep NVR away from heat sources or places.
3. Clean the internal dust regularly. Make sure the good ventilation of NVR so as to ensure the good heat dissipation.
4. Please do not hot plugging cables at ports, or the ports may be damaged.
5. Please check the HDD cable and data cable regularly to see if they are ageing.
6. Please prevent the audio and video signals of NVR from being intervened by other electronic devices, and prevent the HDD from being damaged by static electricity and induced voltage.
7. If the network cable is frequently plugged, it is suggested to replace connecting line regularly, or the input signal may be unstable.
8. This is A class product. it maybe bring wireless interference in life. Under this situation, it need user to make measures.

6.3 System Connection Diagram

NVR



6.4 Accessories (Goods in kind prevail)



Remote Controller

Power Adapter
(Good in kind prevail)

User Manual



USB Mouse



CD



Warranty Card



Warranty Card

Dear User:

Thanks for purchasing our product, in order to offer you better after sales service. Please fulfill the Warranty Card and Product Registration Card carefully, then send the completed card to franchiser or our Exclusive Sales Agent.

Product Description: _____

Product Model No.: _____

Date of Purchase: _____

Invoice(P/O) No.: _____

User Name: _____

Telephone: _____ FAX: _____

Address: _____ E-Mail: _____

Franchiser or exclusive sales agent: _____

Telephone: _____

Warranty Record	Repair Date	Repair Item	Person

Remark: 1) Presentation of Warranty items, please refer to back.

2) The card will be valid after 15 days of purchase when the franchiser or Exclusive sales agent chop.

----- Cut along the dashed -----

Product Registration Card

Product Description: _____

Product model No.: _____

Date of Purchase: _____

Invoice(P/O) No.: _____

User Name: _____

Telephone: _____ FAX: _____

Address: _____ E-Mail: _____

Franchiser or exclusive sales agent: _____

Telephone: _____



Product Warranty Presentation

Warranty Period:

Since the date of purchase. Exchange service after 3 months of purchase, repair service after 1 year of purchase.

Warranty items:

- 1 Before you use the product , please read <User s Manual> carefully.
- 2 You can share the Warranty service after you buy our product and send the completed card to our franchiser or exclusive agent.
- 3 Based on the Warranty items ,you can share free charge repair service only when you show the card under right operation of the product.
- 4 Please reserve /keep the Warranty card carefully if you need us repair the product.
- 5 you are charged for repairing under below condition
 - 1)Beyond the Warranty period
 - 2)no detailed fulfill information with scratches.
 - 3)wrong operation under high temperature/pressure,deep;strong electrimagnetic interference.
 - 4)Do not follow the instruction manual or wrong operation
- 6 we will ignore product, under below condition.
 - 1)Dismental repair by themselves.
 - 2)Problem caused by software or virus.
- 7The card is only valid in China domain.

----- Cut along the dashed -----

Your suggestion on our product is highly appreciated. We will keep tracing and developing to product high quality product for you.

Thanks for your co-operation

Yours Suggestion

Yours Suggestion	
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