

# **DVR Equipment WEB**

## **Operation Guide**

**ISSUE**

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# About This Document

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## Purpose

This document describes how to use the web management system for DVR and the cameras managed by DVR.






## Intended Audience

This document is intended for:

- Technical support engineers
- Maintenance engineers
- DVR operators

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>DANGER</b>	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
 <b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 <b>CAUTION</b>	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
 <b>NOTICE</b>	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.
 <b>NOTE</b>	Calls attention to important information, best practices and tips. NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

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# 1 Quick Start

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## 1.1 Login and Logout



You must use below Firefox 53 or below Chrome 45 to access the Web interface. Otherwise, the interface functions cannot be used normally.

The win7/ win10 system supports IE 10 or more, but the XP system does not.

Browser supports 32 bits.

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### Descriptions of browser:

To access the client by using Chrome 42-44, you need to manually enable Npapi in the browser according to following steps:

- In the Chrome address bar, enter `chrome://flag/#enable-npapi`.
- Go to the experimental features management page.
- Enable NAPAPI Mac, Windows.
- Click **Enable** (NPAPI plugin is enabled).
- Re-launch Chrome.

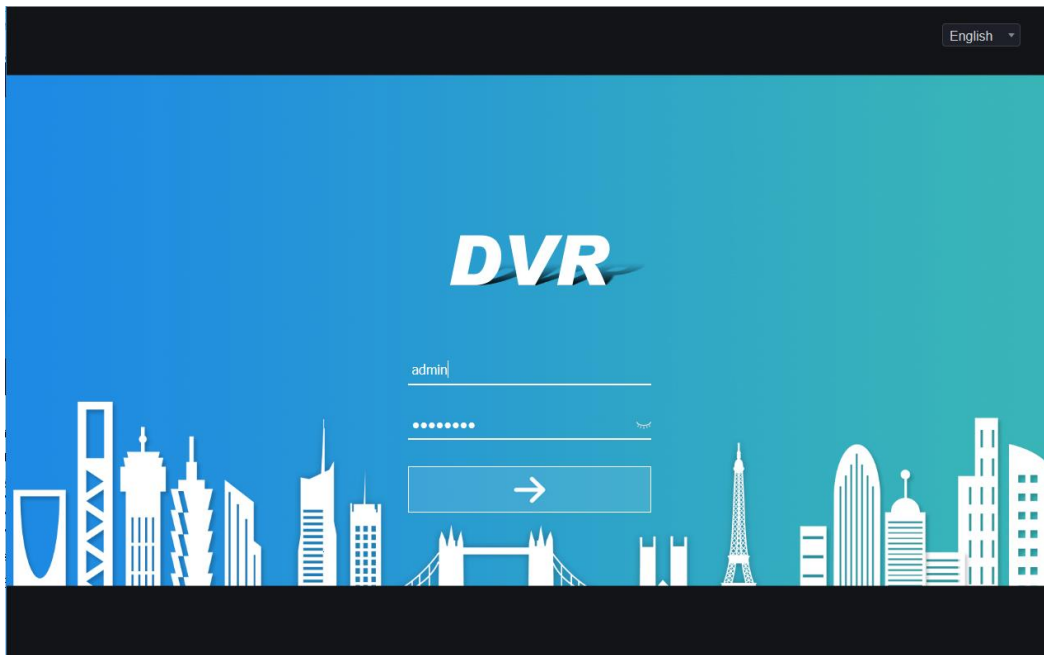
Here we take IE 10 as an example for videos viewing.

### Login

Step 1 Open IE browser, enter the IP address of the DVR (default value: 192.168.0.121) in the address box, and press **Enter**.

The login page is displayed, as shown in Figure 1-1.

**Figure 1-1** Login page interface



Step 2 Input the user name and password.



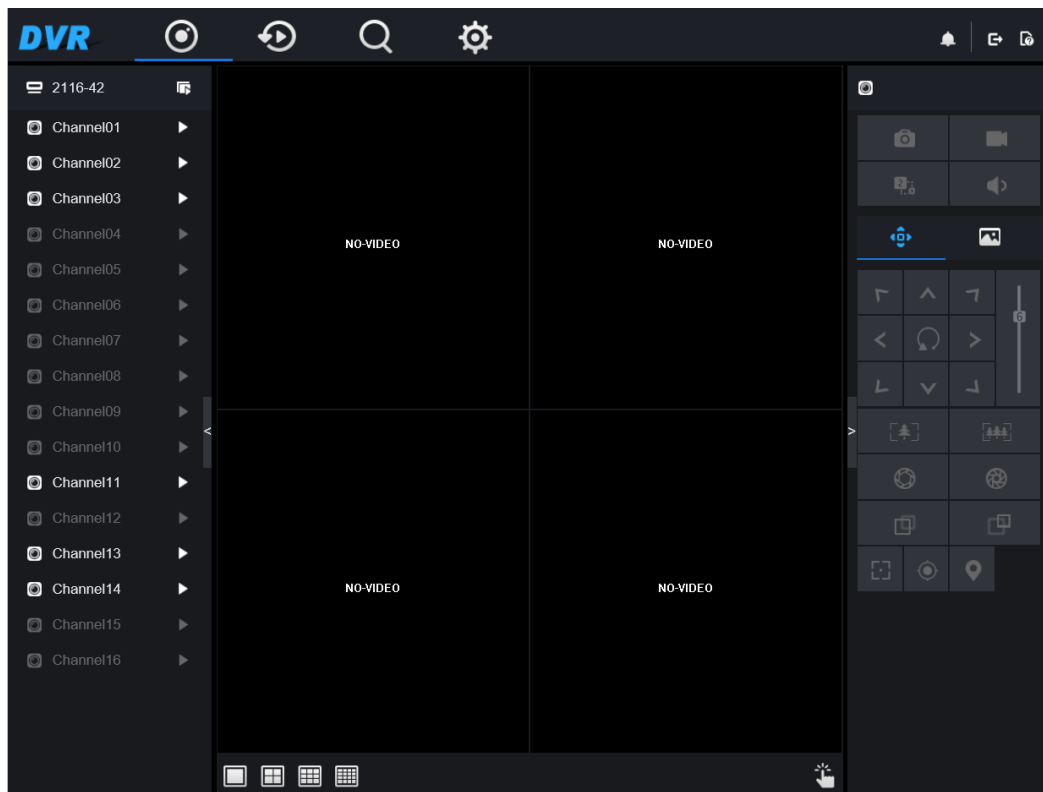
**NOTE**

- The default user name is admin. The default password is admin.
- You can change the system display language on the login page.
- The modify password page pop up window would show when login the DVR for the first time.


Step 3 Click **login**.

The main homepage is displayed as shown in Figure 1-2.

Figure 1-2 Homepage interface



## Logout

To logout of the system, click  in the upper right corner of the homepage. The pop up message shows “Do you want to exit?” Click **OK**, the login page will display.

## Homepage Layout

DVR allows you to use the Web interface in a PC for implementation of such functions as live video, playback, retrieval, setting, image parameters access, configuration, PTZ control and so on. Figure 1-3 shows the overall layout of the interface. For descriptions of the interface, refer to Table 1-1.

Figure 1-3 Homepage layout

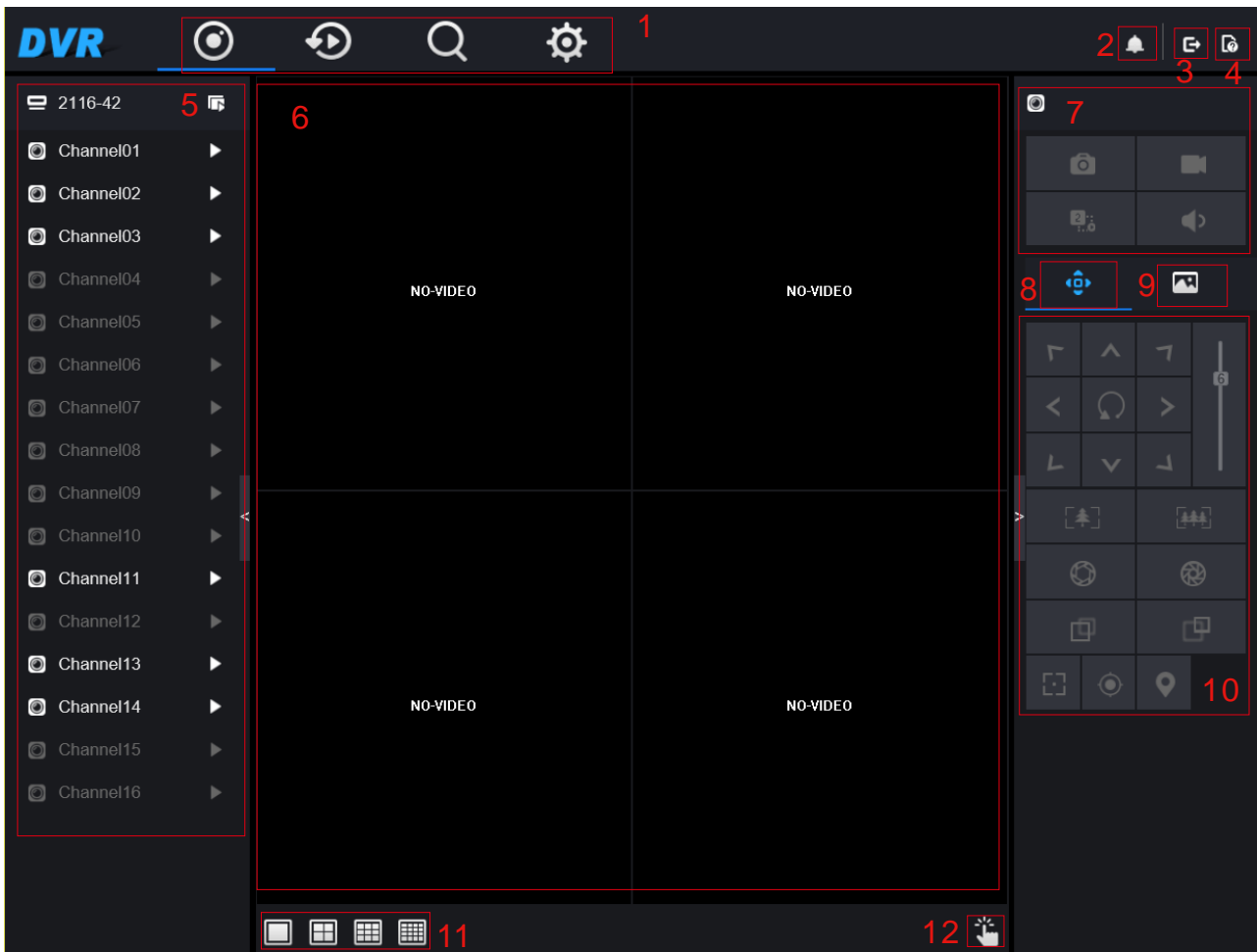






Table 1-1 Descriptions of homepage

No.	Function	Description
1	Function navigation bar	Main function navigation bar of DVR, includes live video, playback, retrieval and setting.
2	Alarm	Alarm notification. You can tick pop-up message, system alarm and channel alarm.
3	Logout button	You can click <b>Logout</b> to exit the current account and return to the login interface.
4	Help	Help for running environment, plug- in installation, active enable.
5	Devices list	Displays a list of the channels of the managed DVR and the channels managed by DVR.
6	Real-time video	Displays the real-time videos of the channels managed by DVR.
7	Channel Operation	Includes snapshot, record, stream switch and audio on/off.



8	PTZ control button	 Click  to show PTZ control buttons in zone 10, you can control the PTZ equipment in the current channels. That function only use for IP dome camera.
9	Color parameter button	 Click  to show color parameter setting buttons in zone 9, you can set and adjust the color parameters, for example, brightness, contrast, saturation, and sharpness.
10	Operation zone	The operation zone of PTZ control/ Image parameter setting.
11	Layouts	Select the one-screen, four-screen, nine-screen or sixteen- screen to switch the layout.
12	Manual alarm	Trigger and close the external alarm device manually.

----End

# 2 Browsing Videos

## 2.1 Browsing Real-Time Videos

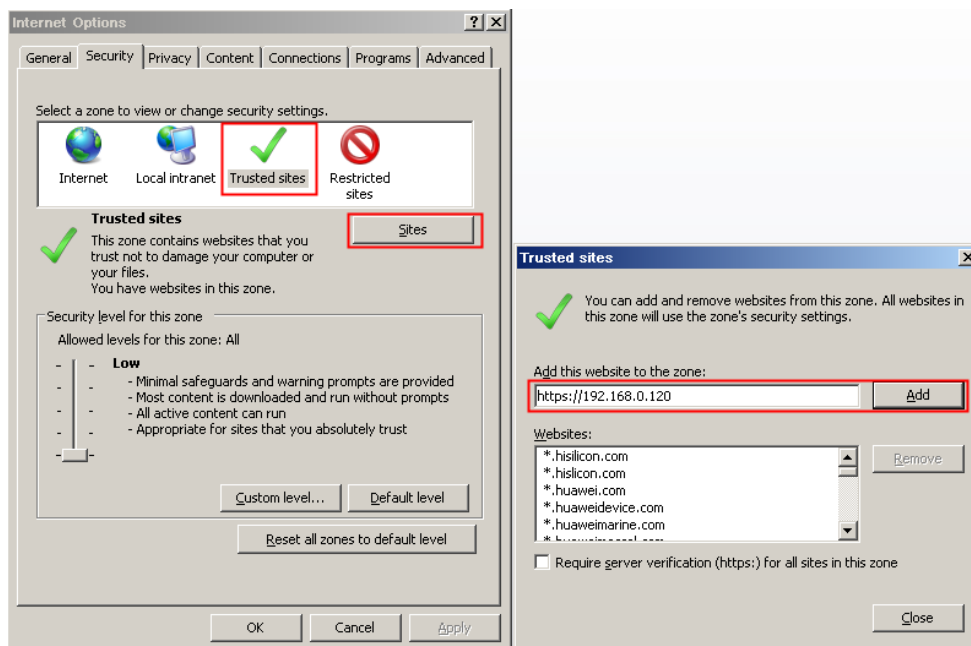
You can browse real-time videos in the web management system.

### Preparation

To ensure that real-time videos can be played properly, you must perform the following operations when you log in to the web management system for the first time:

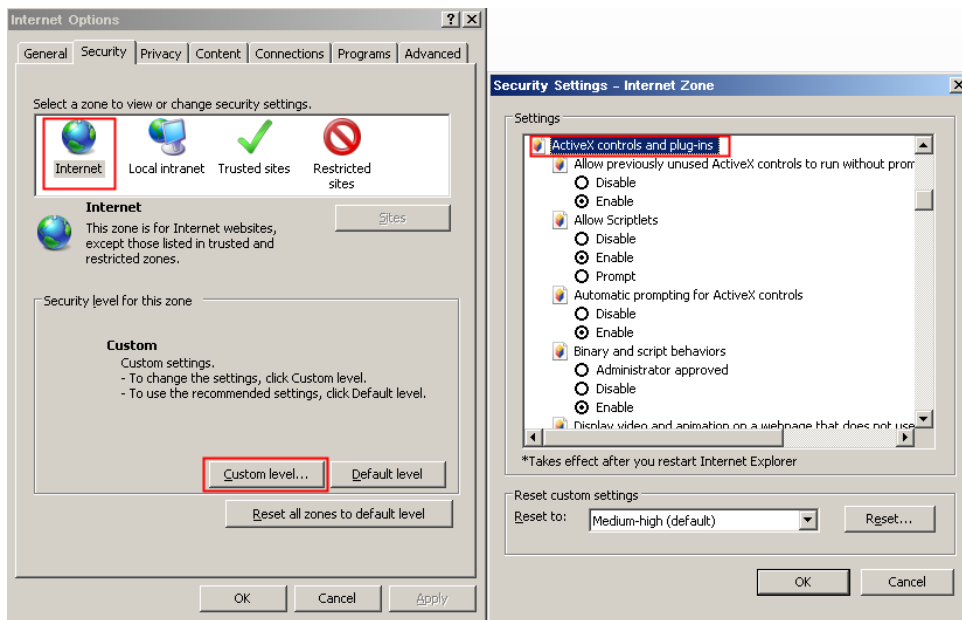
- Step 1 Open Internet Explorer. Choose **Tools > Internet Options > Security > Trusted sites > Sites**. In the displayed dialog box, click **Add**, as shown in Figure 2-1.

Figure 2-1 Adding a trusted site



- Step 2 In Internet Explorer, choose **Tools > Internet Options > Security > Customer level**, and set Download unsigned ActiveX controls and Initialize and script ActiveX controls not marked as safe for scripting under ActiveX controls and plug-ins to Enable, as shown in Figure 2-2.

Figure 2-2 Configuring ActiveX controls and plug-ins



Step 3 Download and install the player control as prompted. During installing, you need to close the browser.

 **NOTE**

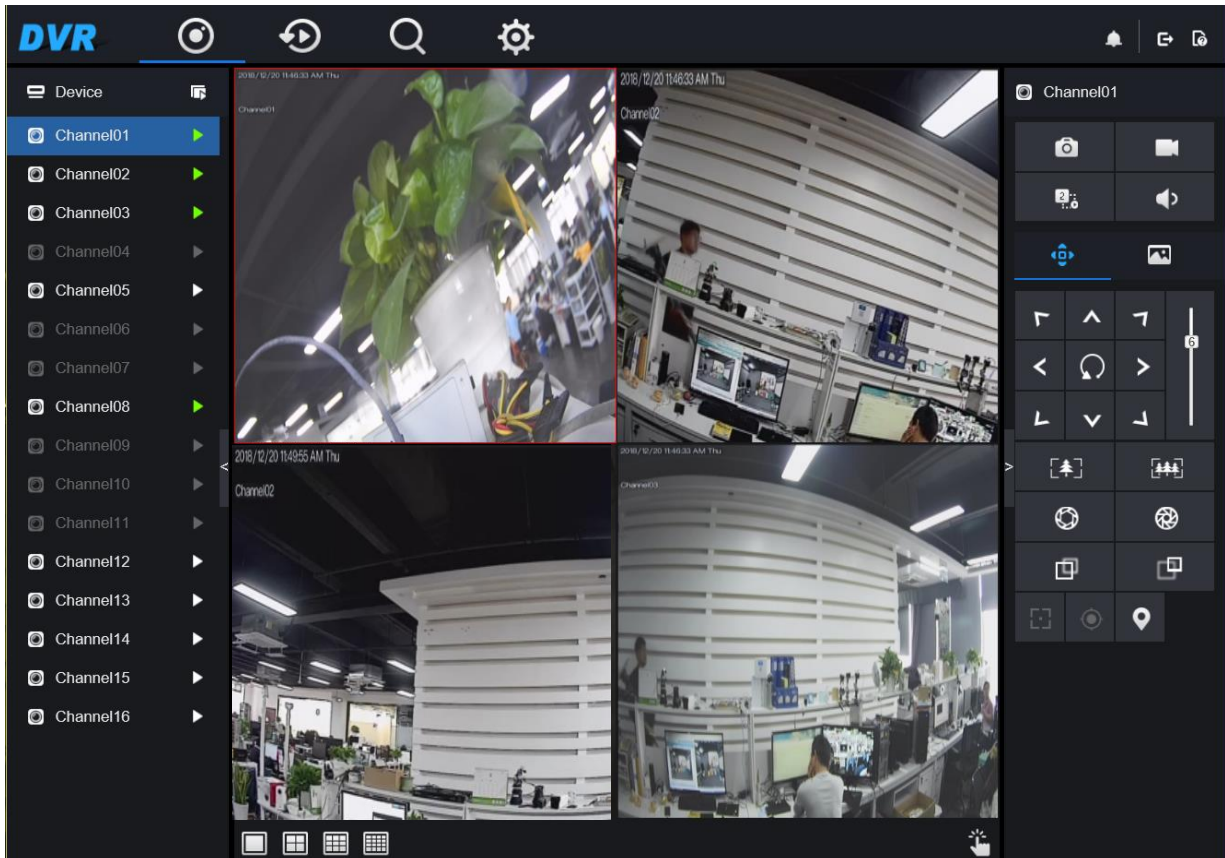
- If the repair tips displayed when installing the control, please ignore the prompt, and continue the installation, the login page is displayed when the control is loaded.

## 2.2 Live Video

### Descriptions

After login the device, click online channel, you can view the real-time videos, as shown in Figure 2-3.

Figure 2-3 Real-time videos interface






----End


## 2.3 Channel Operation

### Descriptions

Channel operation includes snapshot, record, stream switch and audio on/off. Table 2-1 describes the operations.

Table 2-1 Descriptions of homepage

Buttons	Button description	How to operate
	Snapshot	Click button to take snapshots of the current image.
	Record	Click button to start recording and click button again to stop recording.
	Switch stream	Click button to switch stream 1 (main stream) and stream 2(sub stream).

Buttons	Button description	How to operate
	Enable/Disable video	Click button to enable the audio and click again to disenable the video.

----End

## 2.4 PTZ Control and Setting

### Descriptions

The PTZ control and setting function applies only to Network Dome or camera connected to an external PTZ.

### PTZ Setting

If a Network Dome or a camera connected to PTZ has been added to the DVR channel, you can control the PTZ rotation to adjust their shooting angle when you are viewing the video. This allows you to perform omni-directional video surveillance.




Click , the PTZ operation and setting interface is displayed, as shown in Figure 2-4. Table 2-2 describes the operations.

Figure 2-4 PTZ control interface

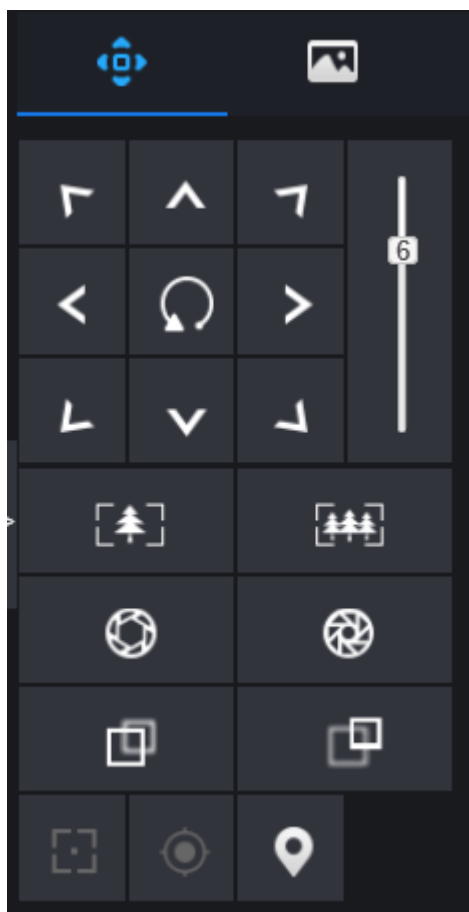














Table 2-2 Device parameters

Buttons	Button description	How to operate
	Direction key	Click button to control omni-directional movement of the PTZ.
	Speed slider	Drag the slider to adjust the value of PTZ rotation speed.
	Zoom in	Click buttons to adjust the focal length.
	Zoom out	
	Iris+	Click buttons to adjust the aperture.
	Iris-	

Buttons	Button description	How to operate
	Far focus	Click buttons to adjust the focal length.
	Near focus	
	Auto focus	Click button to focus automatically.
	Home preset	
	Preset	The camera is set the tour, click the button and dome camera rotate as the setting.

## 2.5 Image Setting





### Descriptions

The image setting can adjust scene, brightness, sharpness, contrast and saturation, Click  to access image setting, as shown in Figure 2-5. Table 2-3 describes the operations.

**Figure 2-5** Image parameter interface

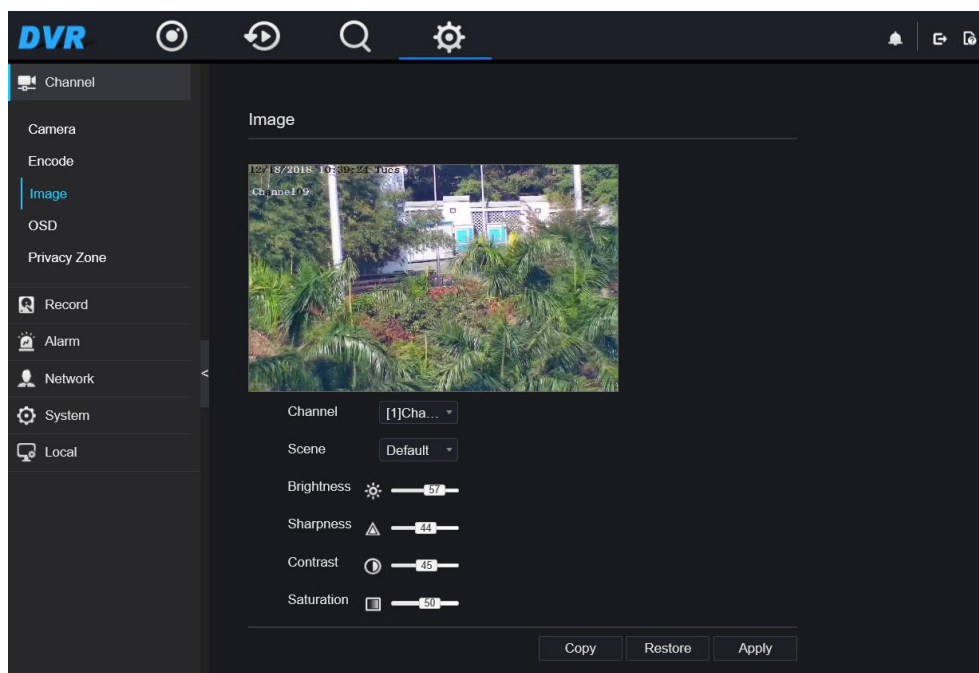


**Table 2-3** Device parameters

Buttons	Button description	How to operate
	Brightness	Click button to adjust the image brightness.
	Sharpness	Click button to adjust the image definition.
	Contrast	Click button to adjust the transparency of the image.
	Saturation	Click button to adjust the chromatic purity of the image.


Click more will be access to system image setting. As shown in Figure 2-6.

**Figure 2-6** Image setting interface



----End

## 2.6 Layout

Click  at the bottom left corner of real-time videos interface, the buttons indicate 1 screen, 4 screens, 9 screens and 16 screens from left to right.

----End



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# 3 Playback

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## 3.1 Video Playback

Video playback refers to playing of videos stored in local hard disks.

### Procedure


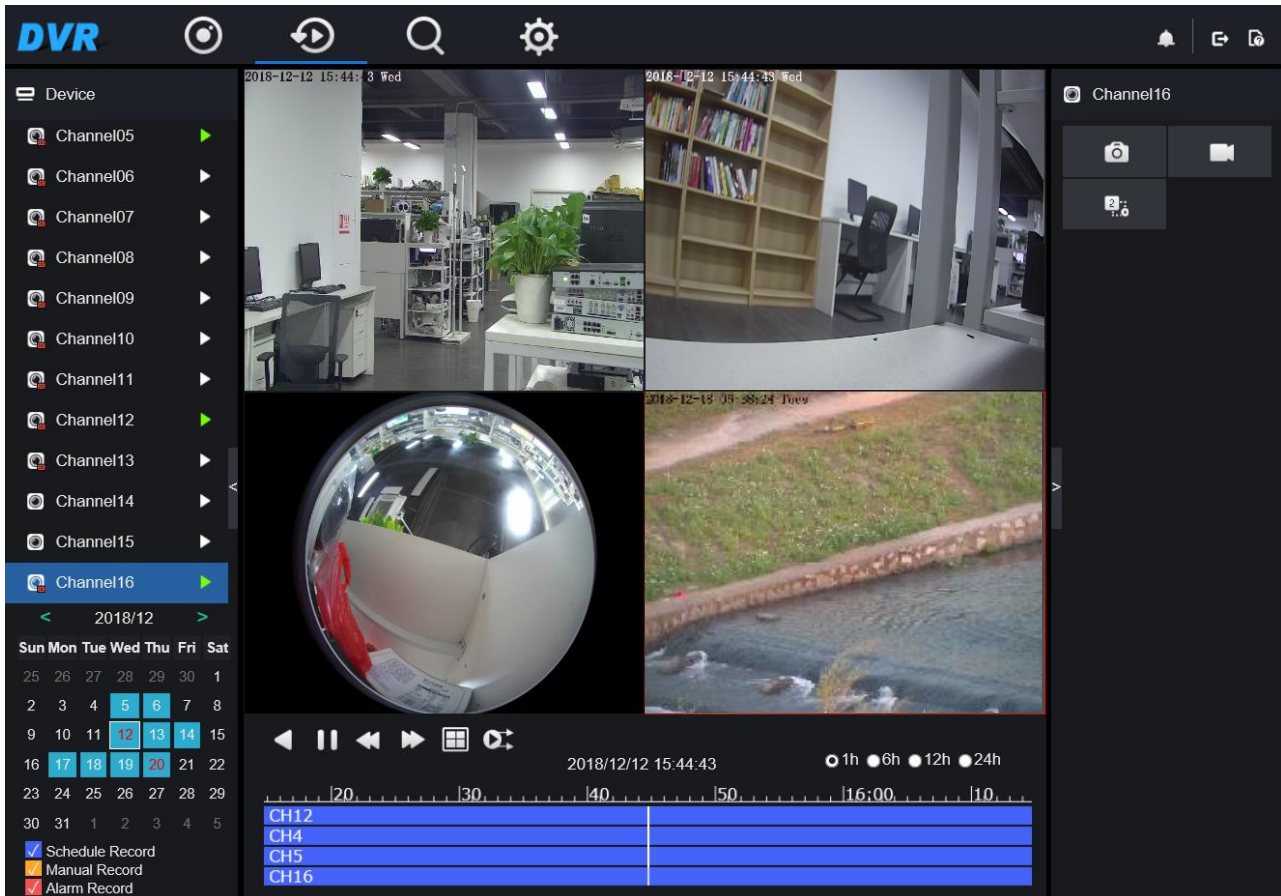


- Step 1 Click  in the function navigation bar, the video playback interface is displayed, as shown in Figure 3-1.

Figure 3-1 Video playback



Step 2 Select a channel. Click a device in the **device list**. A selected device is marked with . An unselected device is marked with .

Step 3 Select a date from calendar at left bottom, the date will be colored if it has record.

Step 4 Tick the type of record, such as schedule record, manual record and alarm record.

Step 5 Display videos.

After a device and date are selected, video information is displayed below the video pane. The time scale above the file axis shows the different time points of video recording. The time in blue in the middle is the time of the video playing.

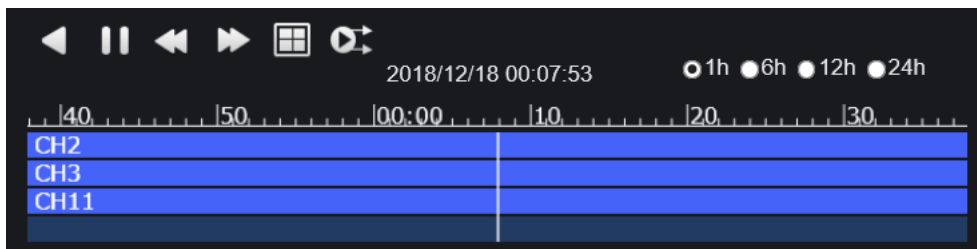
The file axis displays videos. Red file axis indicates a video exists, grey file axis indicates no video exists.

You can drag the axis to play recording quickly.

Step 6 Play a video.

You can play a video after selecting a device and date. Figure 3-2 shows the control bar of video playback.


**Figure 3-2** Control bar




 : reversed.

 :play/pause.

 : triple speed.

 : split screen. One or four screens.

 : sync/async. You can set the differen channels to play synchronously or asynchronous.

 : types of time bar.

----End

# 4 Alarm Search

You can search for channel alarm and system alarm in the alarm search interface.

## 4.1 Channel Alarm

### Procedure


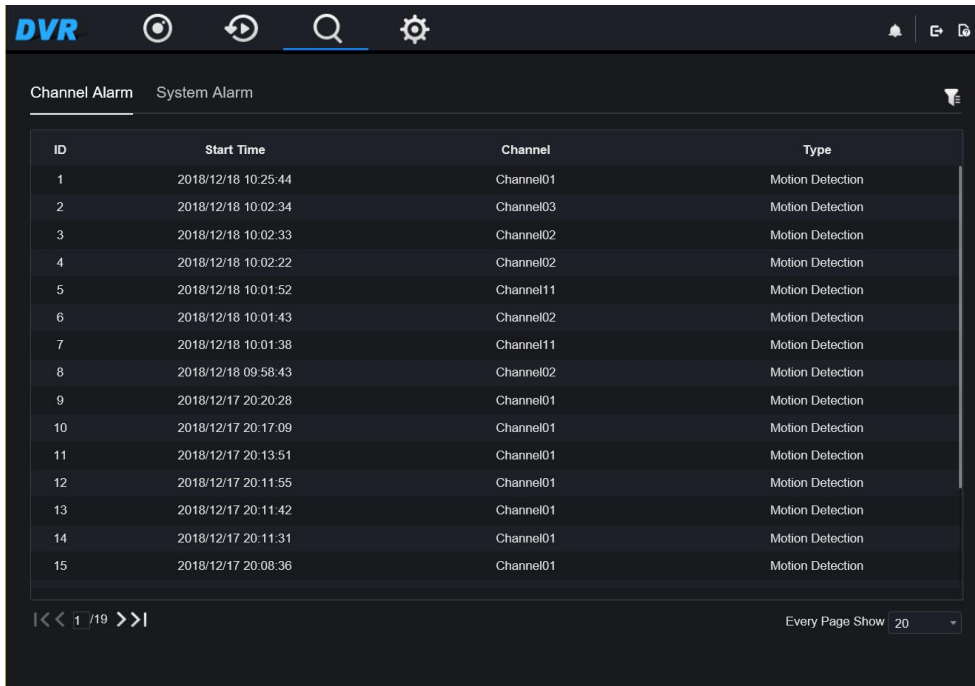
- Step 1 Click  in the function navigation bar, the channel alarm interface is displayed, as shown in Figure 4-1.

Figure 4-1 Channel alarm



The screenshot shows the 'Channel Alarm' interface. At the top, there is a navigation bar with icons for DVR, Home, Refresh, Search, and Settings. Below the navigation bar, there are two tabs: 'Channel Alarm' (selected) and 'System Alarm'. A search icon is visible on the right side of the tab bar. The main content area displays a table with the following columns: ID, Start Time, Channel, and Type. The table contains 15 rows of data, all of which are 'Motion Detection' events. At the bottom of the interface, there is a pagination control showing '1 / 19' and a dropdown menu for 'Every Page Show' set to '20'.

ID	Start Time	Channel	Type
1	2018/12/18 10:25:44	Channel01	Motion Detection
2	2018/12/18 10:02:34	Channel03	Motion Detection
3	2018/12/18 10:02:33	Channel02	Motion Detection
4	2018/12/18 10:02:22	Channel02	Motion Detection
5	2018/12/18 10:01:52	Channel11	Motion Detection
6	2018/12/18 10:01:43	Channel02	Motion Detection
7	2018/12/18 10:01:38	Channel11	Motion Detection
8	2018/12/18 09:58:43	Channel02	Motion Detection
9	2018/12/17 20:20:28	Channel01	Motion Detection
10	2018/12/17 20:17:09	Channel01	Motion Detection
11	2018/12/17 20:13:51	Channel01	Motion Detection
12	2018/12/17 20:11:55	Channel01	Motion Detection
13	2018/12/17 20:11:42	Channel01	Motion Detection
14	2018/12/17 20:11:31	Channel01	Motion Detection
15	2018/12/17 20:08:36	Channel01	Motion Detection


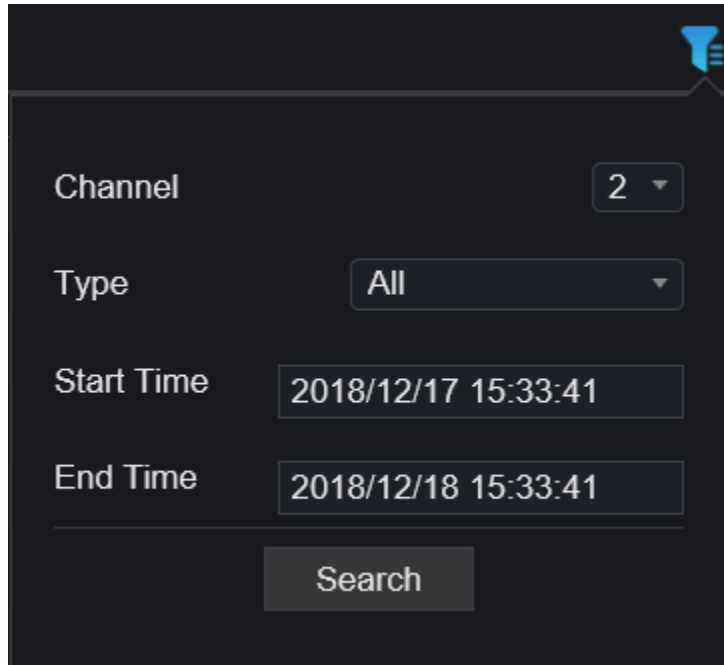
Step 2 Click  at the top right corner, select the channel and type, set start time and end time, as shown in Figure 4-2.

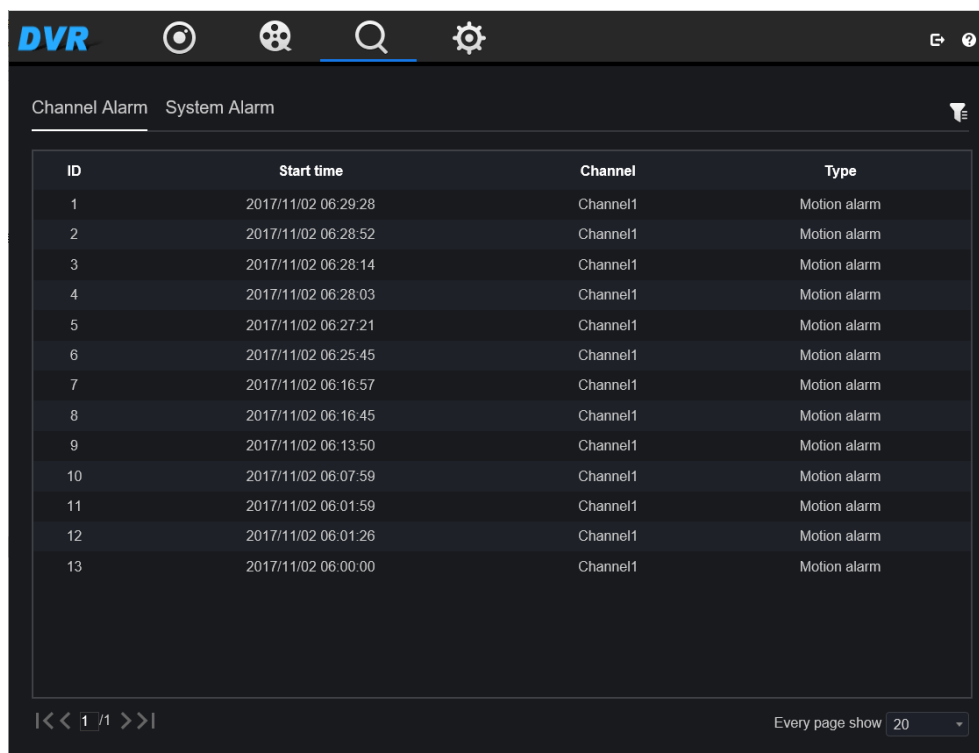
Figure 4-2 Channel alarm



The screenshot shows a search interface for channel alarms. It features four input fields: 'Channel' with a dropdown menu showing '2', 'Type' with a dropdown menu showing 'All', 'Start Time' with a text box containing '2018/12/17 15:33:41', and 'End Time' with a text box containing '2018/12/18 15:33:41'. A 'Search' button is located at the bottom center.

Step 3 Click **search**, the result will be displayed as shown in Figure 4-3.

Figure 4-3 Channel alarm result

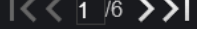
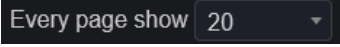


The screenshot shows the search results for channel alarms. The interface includes a top navigation bar with 'DVR' and several icons. Below the navigation bar, there are tabs for 'Channel Alarm' and 'System Alarm'. The main content area displays a table with the following data:

ID	Start time	Channel	Type
1	2017/11/02 06:29:28	Channel1	Motion alarm
2	2017/11/02 06:28:52	Channel1	Motion alarm
3	2017/11/02 06:28:14	Channel1	Motion alarm
4	2017/11/02 06:28:03	Channel1	Motion alarm
5	2017/11/02 06:27:21	Channel1	Motion alarm
6	2017/11/02 06:25:45	Channel1	Motion alarm
7	2017/11/02 06:16:57	Channel1	Motion alarm
8	2017/11/02 06:16:45	Channel1	Motion alarm
9	2017/11/02 06:13:50	Channel1	Motion alarm
10	2017/11/02 06:07:59	Channel1	Motion alarm
11	2017/11/02 06:01:59	Channel1	Motion alarm
12	2017/11/02 06:01:26	Channel1	Motion alarm
13	2017/11/02 06:00:00	Channel1	Motion alarm

At the bottom of the table, there is a pagination control showing '1/1' and a dropdown menu for 'Every page show' set to '20'.

 NOTE

- Click  to select the page of alarm list.
-  shows the rows shown in every page.

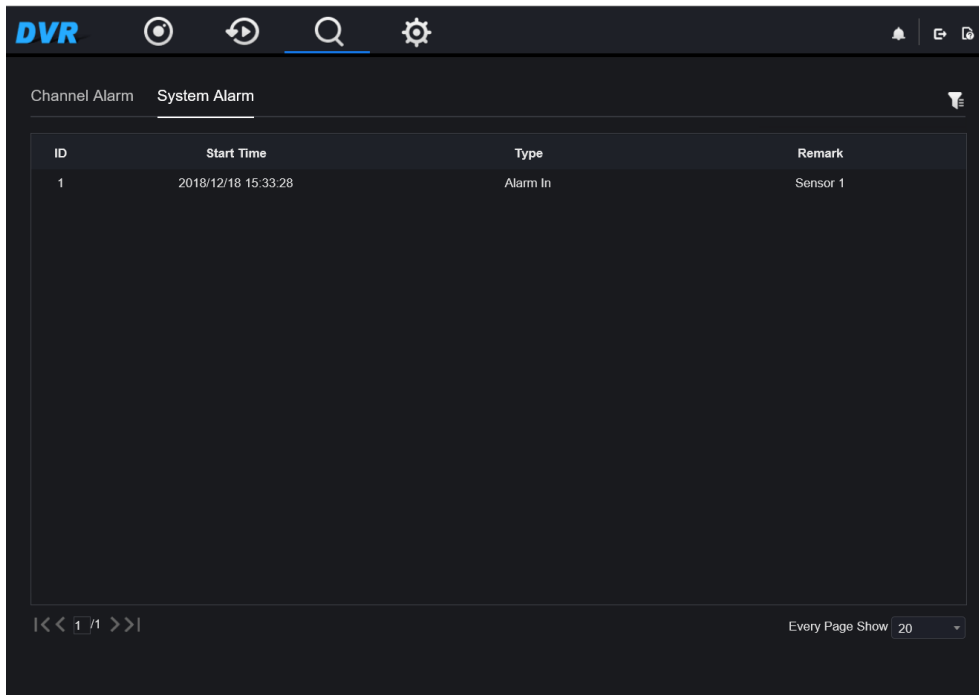
----End


## 4.2 System Alarm

### Procedure

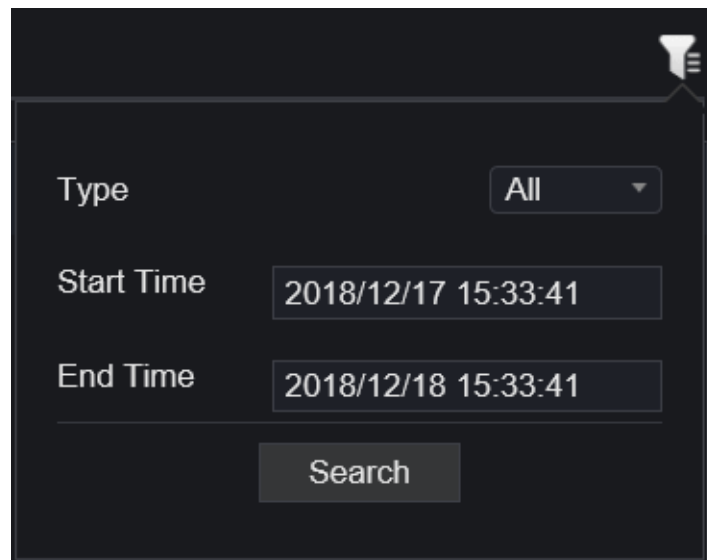
Step 1 Click **System Alarm** in the channel alarm interface, the system alarm is displayed, as shown in Figure 4-4.

Figure 4-4 System alarm result



Step 2 Click  at the top right corner, set the channel, type, start time and end time, as shown in Figure 4-5.

**Figure 4-5** Search system alarm



Type All

Start Time 2018/12/17 15:33:41

End Time 2018/12/18 15:33:41

Search

Step 3 Click **OK**, the result will be displayed.

----End

# 5 System Setting

The system setting allows you to set system, channel, record, alarm, network and local setting.

## 5.1 System

You can set parameters about information, general, user, password, logs and maintenance.

### 5.1.1 Device Information

#### Procedure


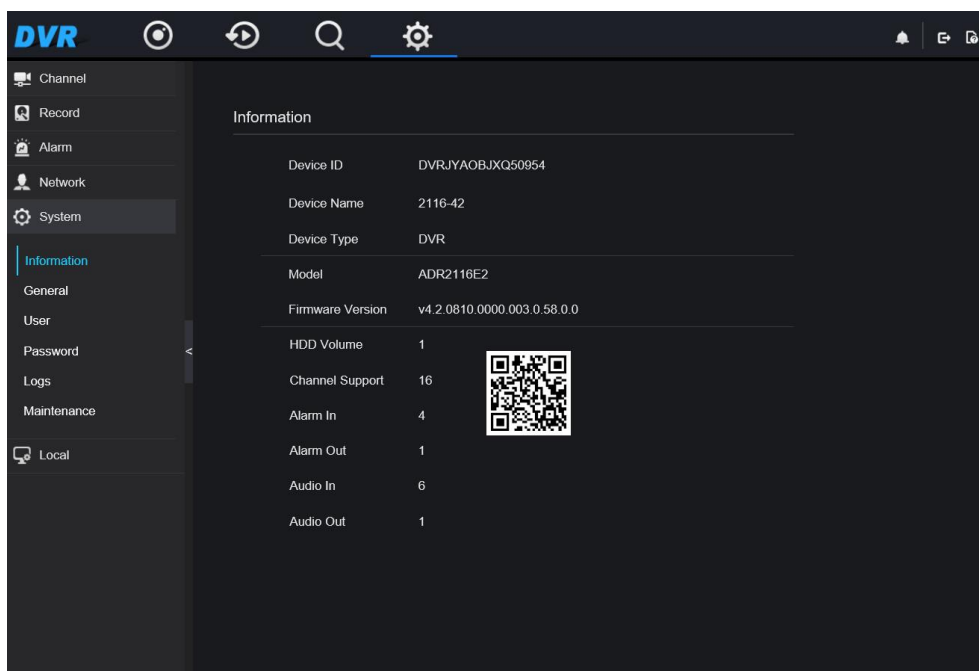
- Step 1 Click  on the navigation bar, the device information interface is displayed, as shown in Figure 5-1.

Figure 5-1 Device information interface





Step 2 Set the device name according to Table 5-1.

**Table 5-1** Device parameters

Parameter	Description	Setting
Device ID	Unique device identifier used by the platform to distinguish the devices.	[Setting method] The parameter cannot be modified.
Device Name	Name of the device.	[Setting method] <b>System &gt; general</b> Modify the device name.
Device Type	N/A	[Setting method] These parameters cannot be modified.
Model		
Firmware version		
HDD volume		
Channel support		
Alarm in		
Alarm out		
Audio in		
Audio out		

----End

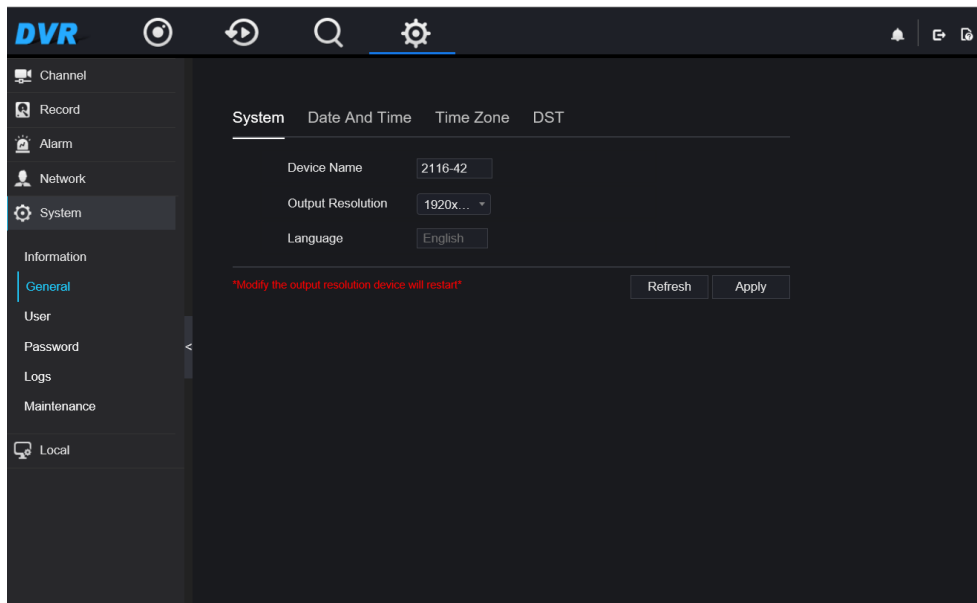
## 5.1.2 General

You can set system, date and time, time zone and DST general interface.

### Procedure

Step 1 On the **Setting** screen, choose **System >general** to access the **general** interface, as shown in Figure 5-2.

Figure 5-2 Basic setting interface



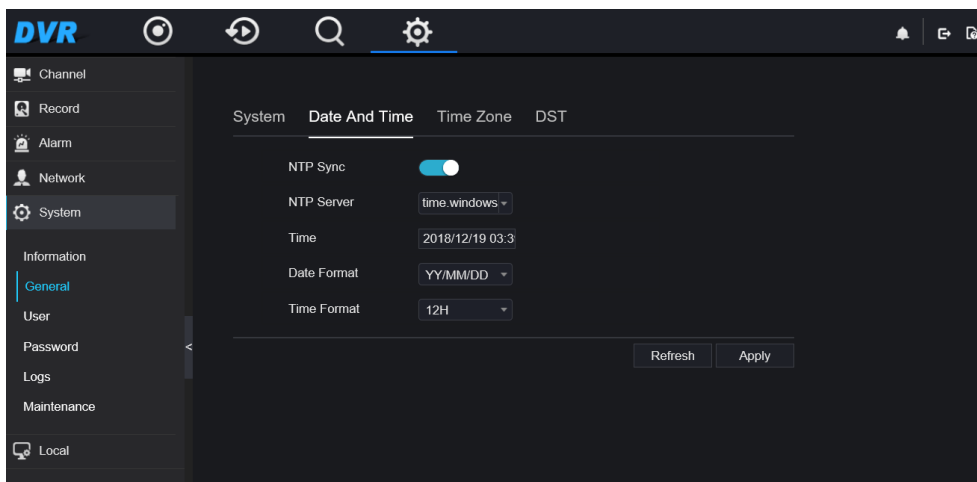
Step 2 Set system.

1. Input the device name.
2. Choose output resolution from drop list
3. Click **Apply** to save the system setting.

Step 3 Set date and time.

- Synchronize the time from the NTP server, as shown in Figure 5-3.
  1. Click **Sync time** button to enable synchronize time. The default value is enabling.

Figure 5-3 Date and time interface

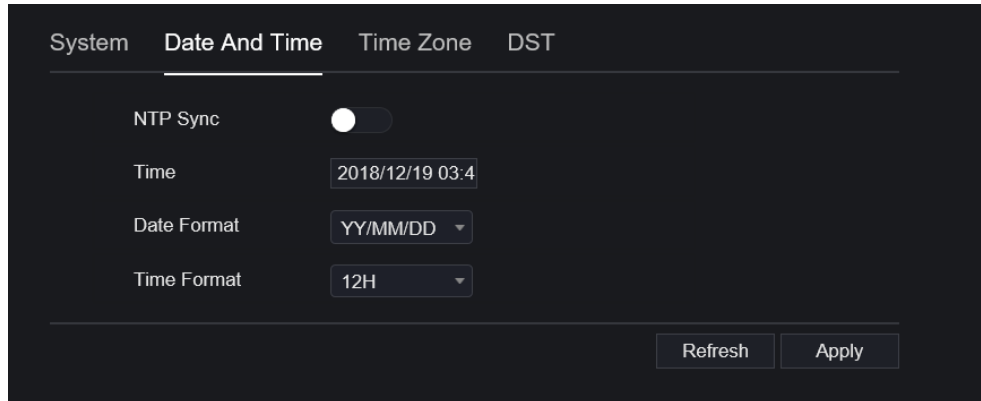


2. Select NTP server, date format and time format from drop list.
3. Click **Apply** to save date and time setting. The device time will synchronize with NTP server time.

- Set the device time manually, as shown in Figure 5-4 .

1. Click **Sync time** button to disable synchronize time.

**Figure 5-4** Async date and time interface

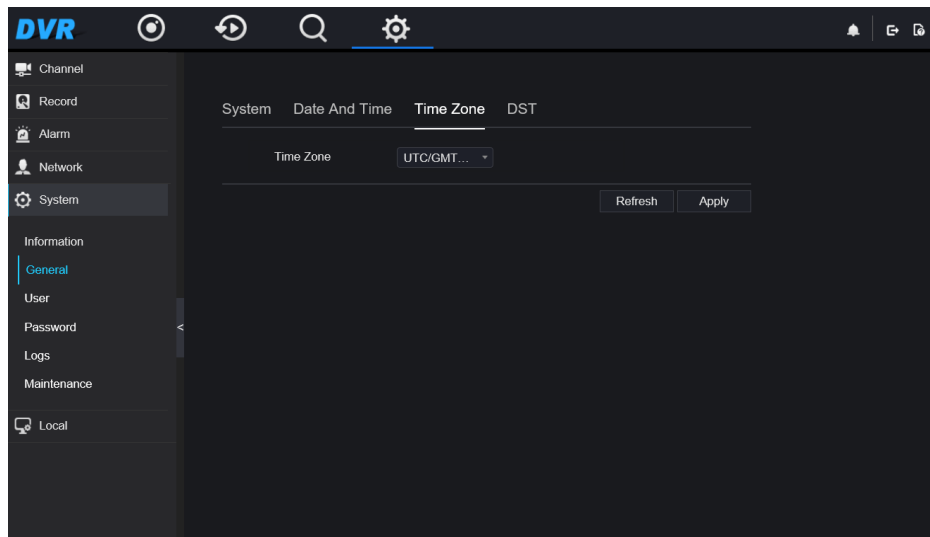


2. Set the time.
3. Select date format and time format from the drop-boxes list.
4. Click **Apply** to save the device time setting. Click **refresh** to return to previous setting.

**Step 4** Set time zone.

1. Click **Time zone** to enter the time zone setting interface, as shown in Figure 5-5.

**Figure 5-5** Time zone setting interface

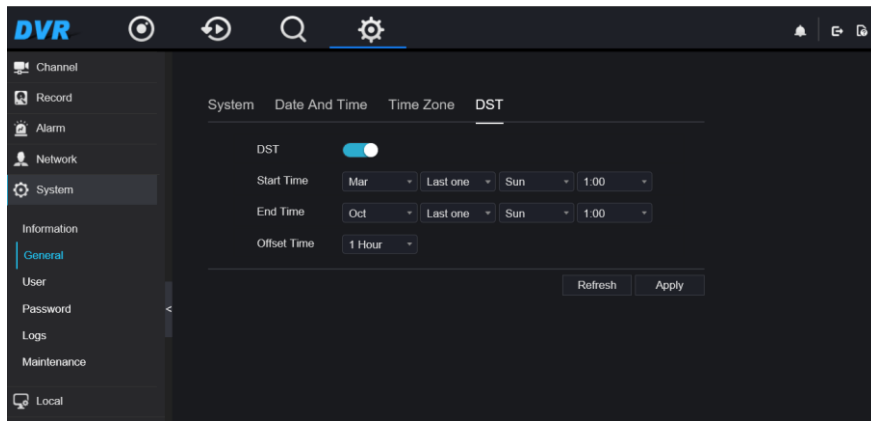


2. Select a time zone from the drop-boxes list.
3. Click **Apply** to save the time zone setting. Click **refresh** to return to previous setting.

**Step 5** Set DST.

1. Click **DST** to enter the DST setting interface, as shown in Figure 5-6.

**Figure 5-6** DST setting interface



1. Click **DST** button to enable. The button is disabling by default.
2. Select a start time from the drop-boxes list.
3. Select an end time from the drop-boxes list.
4. Select an offset time from the drop-boxes list.
5. .Click **Apply** to save the DST setting. Click **refresh** to return to previous setting

## 5.1.3 User

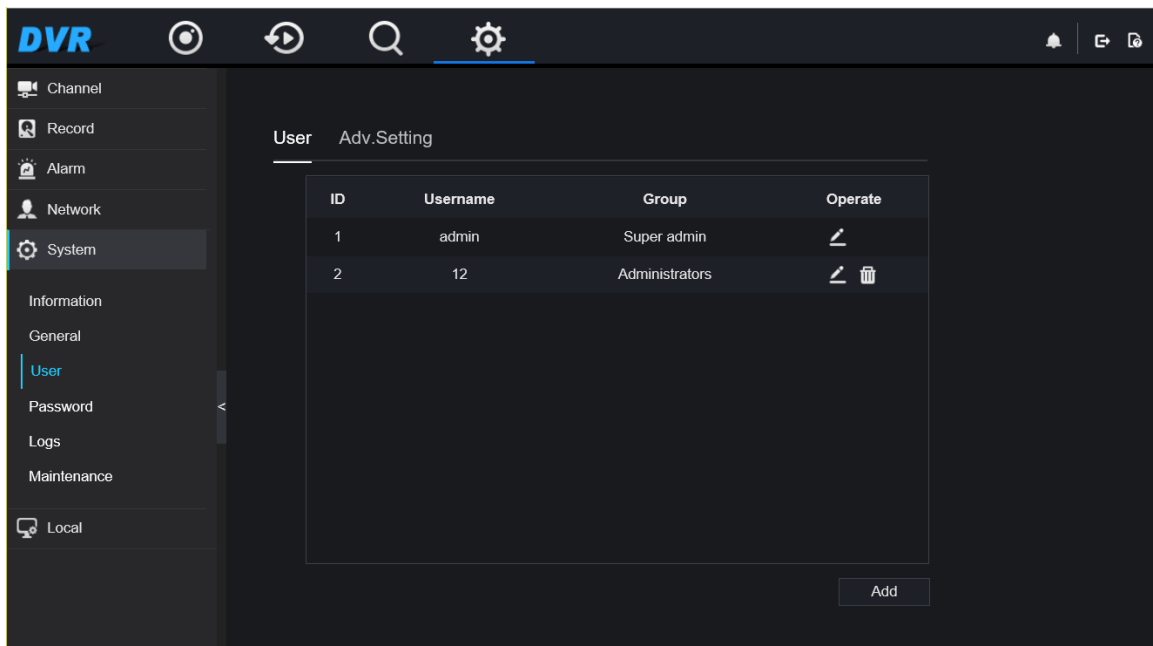
You can create new user accounts to manage the device.

### 5.1.3.1 Add User

#### Procedure

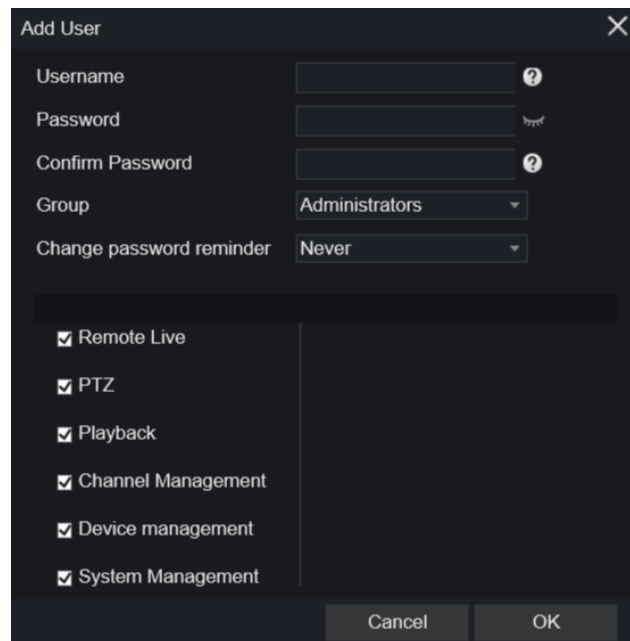
Step 1 On the **Setting** screen, choose **System >user** to access the **user** interface, as shown in Figure 5-7.

**Figure 5-7** User interface

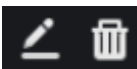


Step 2 Click **add** to add a new user, as shown in Figure 5-8.

**Figure 5-8** Add user



- Step 3 Input username, password and confirm password.
- Step 4 Select group and change password reminder from drop list.
- Step 5 Assign the privilege to user.
- Step 6 Click **ok** , the message “**apply success**” is showed.

- Step 7 Click  to modify and delete the user account.

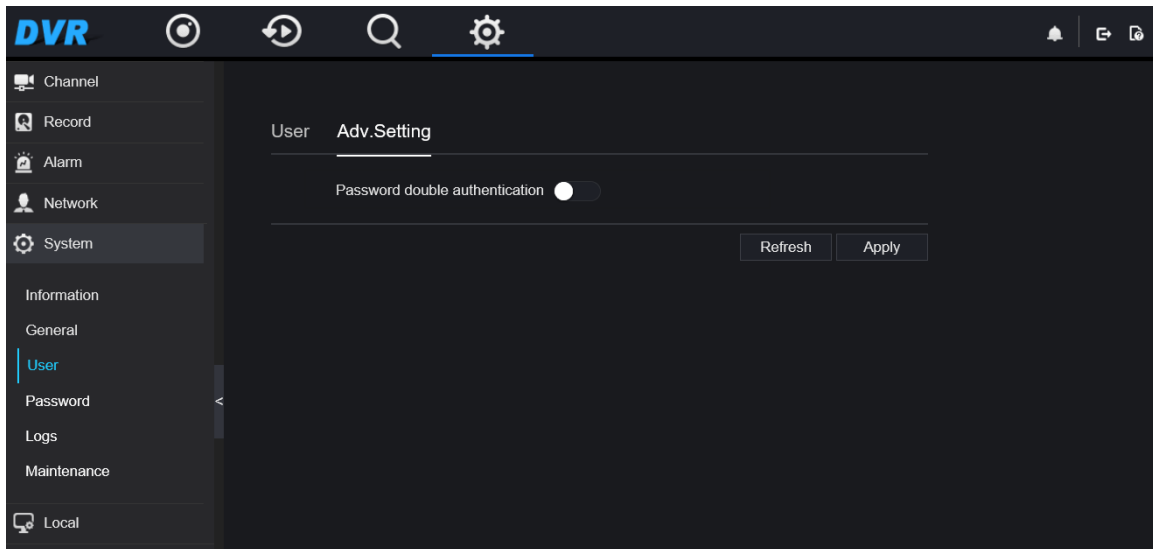
----End

### 5.1.3.2 Adv.Setting

#### Procedure

- Step 1 On the **Setting** screen, choose **System >user > adv. Setting** to access interface, as shown in Figure 5-9.

Figure 5-9 Adv. Setting interface



Step 2 Enable the **password double authentication**. If the user want to playback video , he need input another username and password to authenticate.

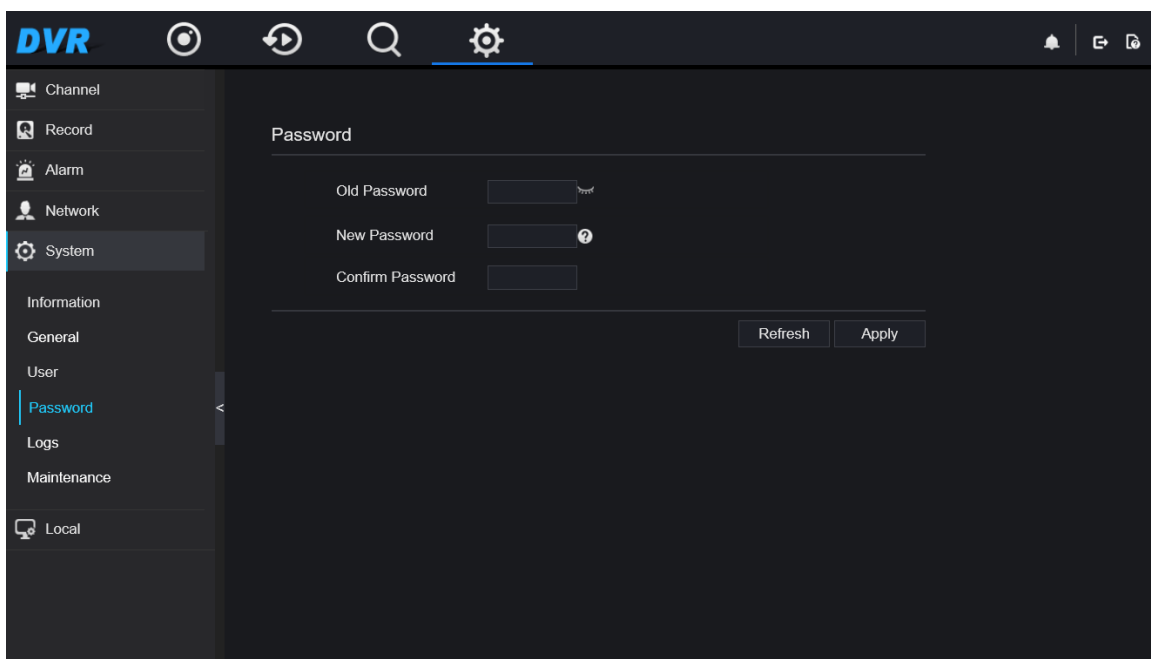
Step 3 Click **Apply** to save the device time setting. Click **refresh** to return to previous setting.

## 5.1.4 Password

### Procedure

Step 1 On the system setting screen, choose System >password to access password interface, as shown in Figure 5-10.

Figure 5-10 Password interface



Step 2 Input old password, new password and confirm password.

Step 3 Click **apply** to save settings. Click **refresh** to return to previous setting.

 **NOTE**

- Valid password range [6-32] characters.
- At least 2 kinds of numbers, lowercase, uppercase or special character contained.
- Only special characters are support !@#\*\$+=-.

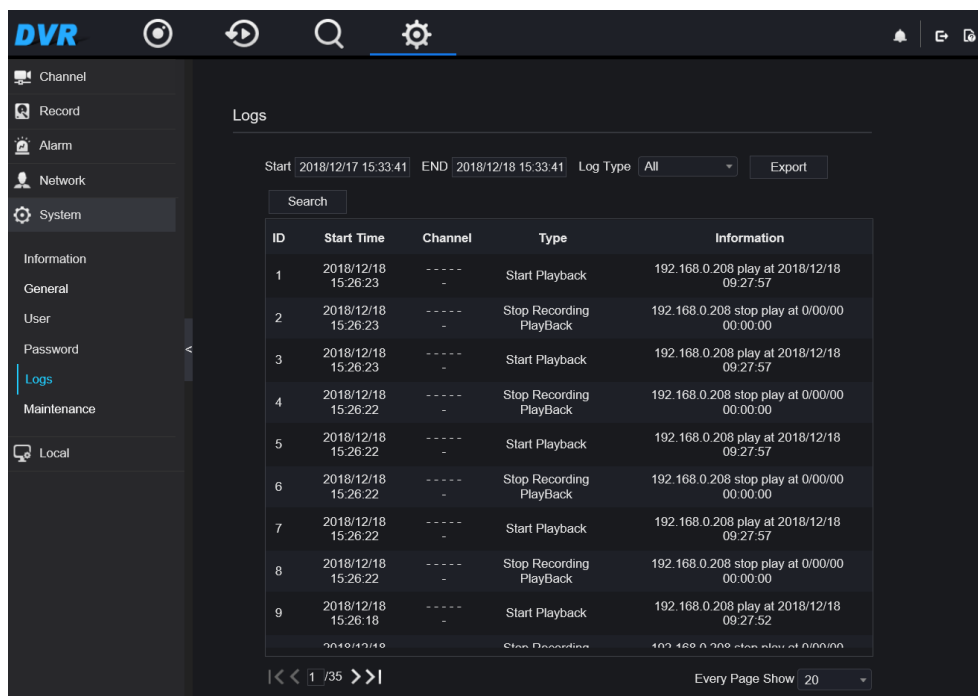
----End

## 5.1.5 logs

### Procedure

Step 1 On the **system setting** screen, choose **System >logs** to access logs interface, as shown in Figure 5-11.

**Figure 5-11** Logs interface



Step 2 Set start and end time from calendar.

Step 3 Select log type from drop list.

Step 4 Click **search** to acquire log information.

Step 5 Click **export** to export the logs.

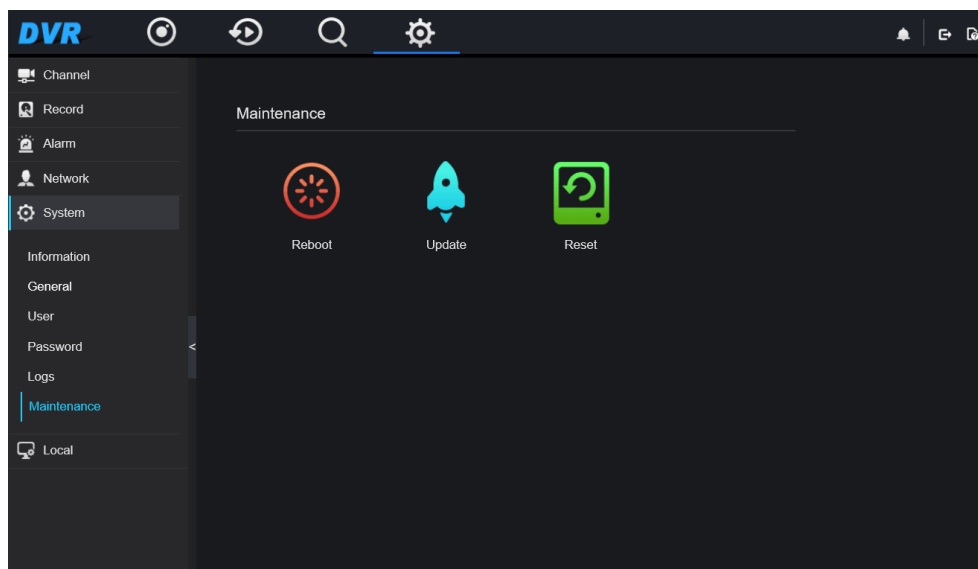
----End

## 5.1.6 Maintenance

### Procedure

Step 1 On the **system setting** screen, choose **System >maintenance** to access maintenance interface, as shown in Figure 5-12.

Figure 5-12 Maintenance interface



Step 2 Click **reboot**, the pop up message would show you, click ok to reboot.

Step 3 Click **update**, choose software to update.

Step 4 Click **reset**, the pop up message would show you, click ok to reset.

----End

## 5.2 Channel

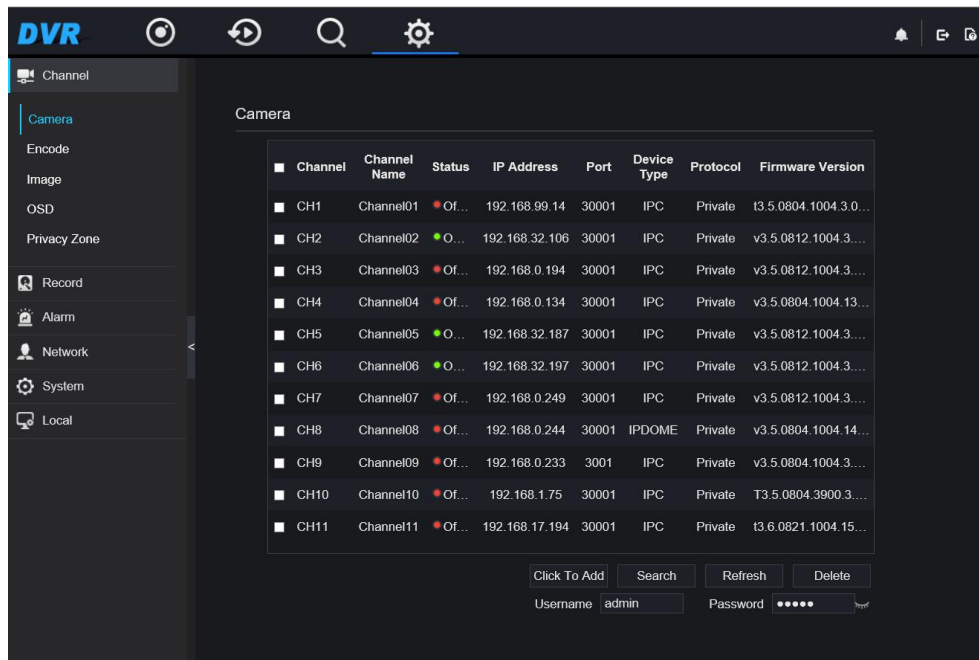
You can set parameter about camera, encode, image, OSD and privacy zone.

### 5.2.1 Camera

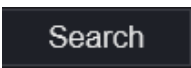
Step 1 On the **Setting** screen, choose **channel** > **camera** to access the **camera** interface, as shown in Figure 5-13.

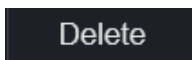



Figure 5-13 Camera interface



Step 2 Click  add cameras automatically.

Step 3 Click  to search cameras at the same LAN as DVR. Choose the camera, input username and password, click **add** to add new camera.

Step 4 Choose the cameras and click  to delete.

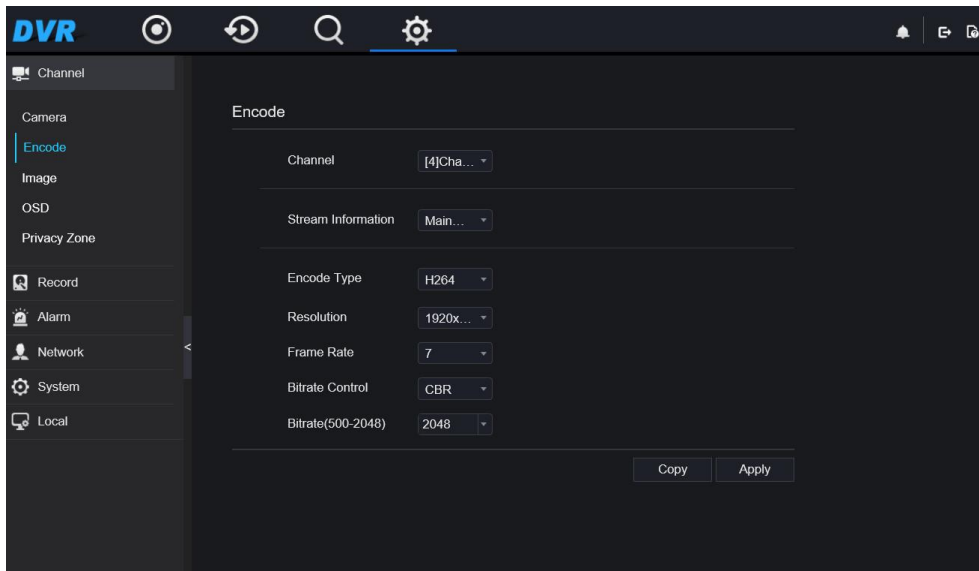
Step 5 Click  to modify the information of device parameters.

Step 6 Click  to access web immediately.

## 5.2.2 Encode

Step 1 On the **Setting** screen, choose **channel** > **encode** to access the encode interface, as shown in Figure 5-14.

Figure 5-14 Encode interface



Step 2 Select a channel from drop list.

Step 3 Select stream information, encode type, resolution, frame rate, bitrate control and bitrate from drop list.

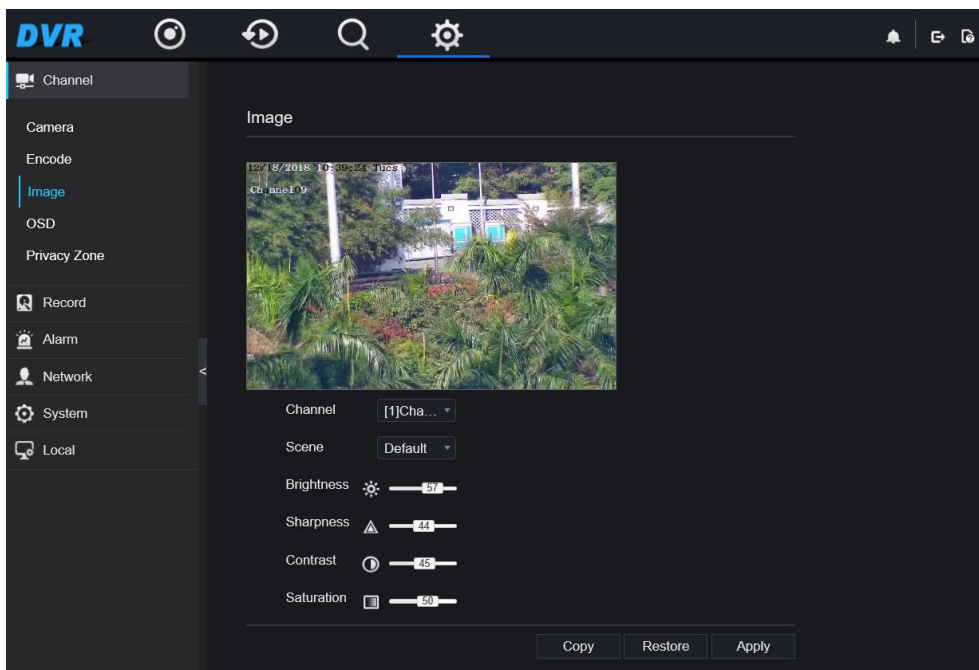
Step 4 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

----End

## 5.2.3 Image

Step 1 On the **Setting** screen, choose **channel > image** to access the image interface, as shown in Figure 5-15.

Figure 5-15 Image interface



Step 2 Select a channel and scene from drop list.

Step 3 Set brightness, sharpness, contrast and saturation.

Step 4 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

 **NOTE**

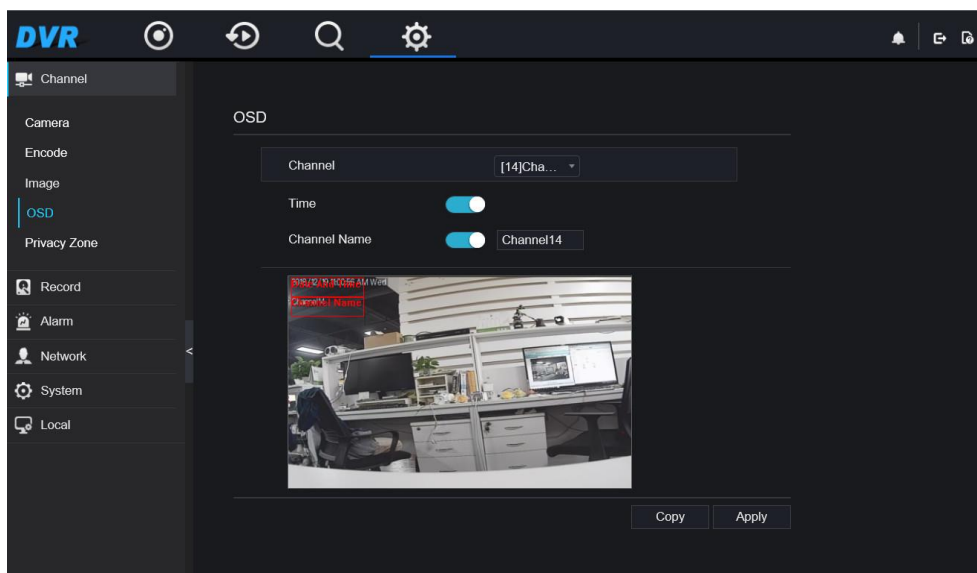
- There are three types of scene, default, indoor and outdoor.
- Brightness: It indicates the total brightness of an image. As the value increases, the image becomes brighter.
- Sharpness: It indicates the border sharpness of an image. As the value increases, the borders become clearer, and the number of noise points increases.
- Saturation: It indicates the color saturation of an image. As the value increases, the image becomes more colorful.
- Contrast : It indicates the measurement of different brightness levels between the brightest white and darkest black in an image. The larger the difference range is, the greater the contrast; the smaller the difference range is, the smaller the contrast.

----End

## 5.2.4 OSD

Step 1 On the **Setting** screen, choose **channel >OSD** to access the OSD interface, as shown in Figure 5-16

Figure 5-16 OSD interface



Step 2 Select a channel and scene from drop list.

Step 3 Enable time and channel name. You can set channel name.

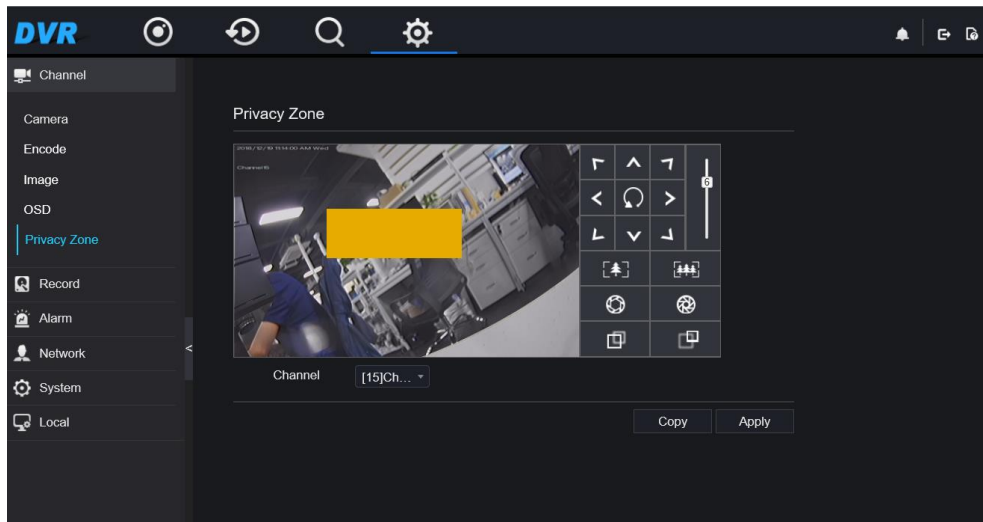
Step 4 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

----End

## 5.2.5 Privacy Zone

Step 1 On the **Setting** screen, choose **channel >privacy zone** to access the privacy zone interface, as shown in Figure 5-17.

Figure 5-17 Privacy interface



Step 2 Select a channel from drop list .

Step 3 Drag the mouse to select area to cover with black frame. You can set less than four areas to be covered. Double click would delete the area.

Step 4 PTZ can be used for adjusting the IP dome cameras.

Step 5 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

----End

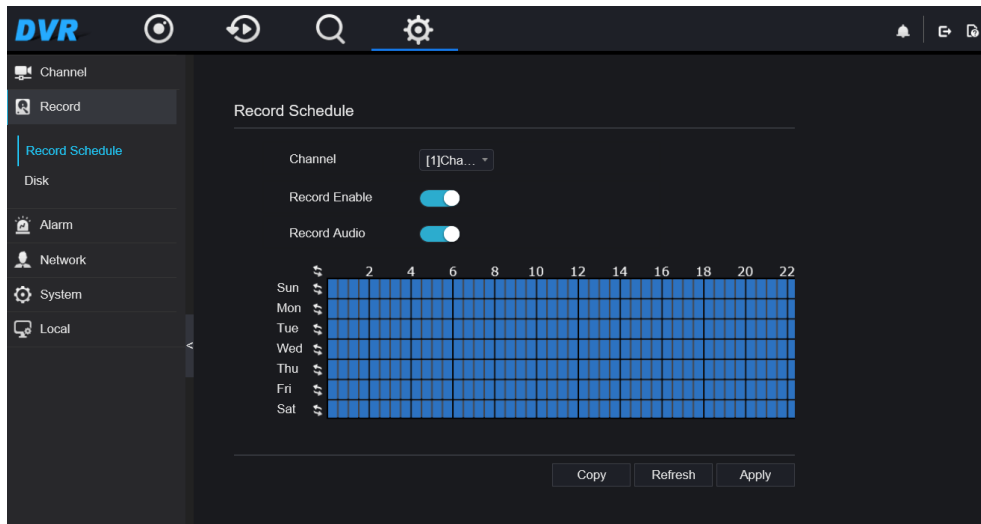
## 5.3 Record

You can set record policy in storage interface.

### Procedure


Step 1 On the **Setting** screen, choose **record** > **record schedule** to access the **record schedule** interface, as shown in Figure 5-18.

Figure 5-18 Record schedule interface



Step 2 Select a channel .

Step 3 Enable the record, then enable record audio.

Step 4 Set the record schedule, you can drag the mouse to choose area, click  to choose all day or all week, you can also click one by one to set the schedule.

Step 5 Click **refresh** to return the previous settings.

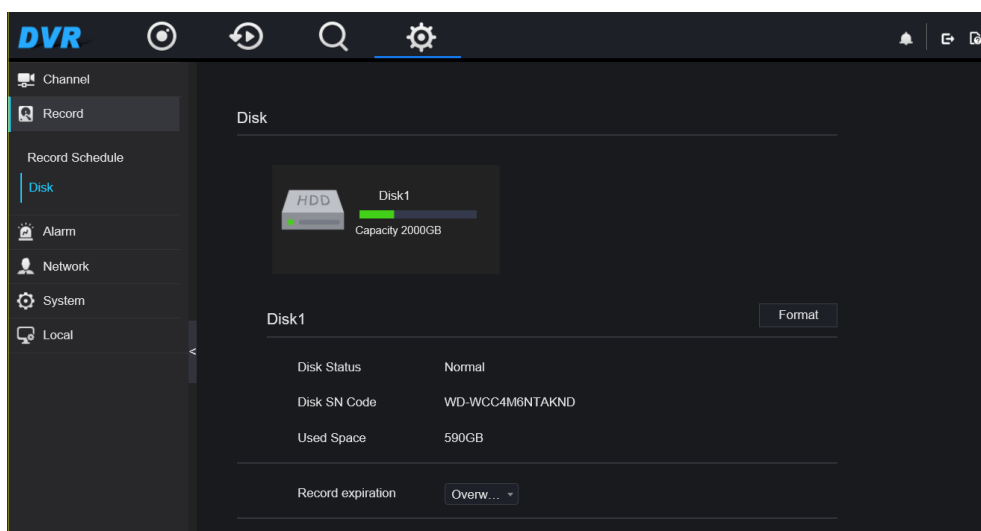
Step 6 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

----End

## 5.3.2 Disk

Step 1 On the **Setting** screen, choose **record > disk** to access the disk interface, as shown in Figure 5-19.

Figure 5-19 Disk interface



Step 2 You can view the information like capacity, disk status, disk SN code and used space.

Step 3 Click format to delete all data. Before deleting you would view pop up window “**Are you sure to format disk? Your data will be lost**”. Click **ok** to delete, click **cancel** to quit.

Step 4 Select record expiation from drop list.

----End

## 5.4 Alarm

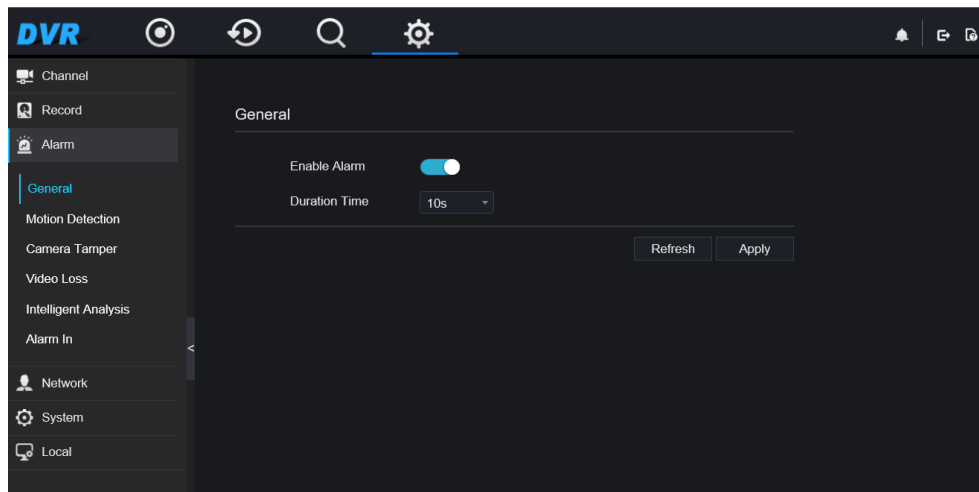
You can set general, motion detection, camera tamper, video loss, intelligent analysis and alarm in on alarm interface.

### 5.4.1 General

#### Procedure

Step 1 On the **Setting** screen, choose **alarm > general** to access the **general** interface, as shown in Figure 5-20

Figure 5-20 General interface



Step 2 Enable alarm to set duration time.

Step 3 Click **apply** to save settings. Click **refresh** would return to the previous settings.

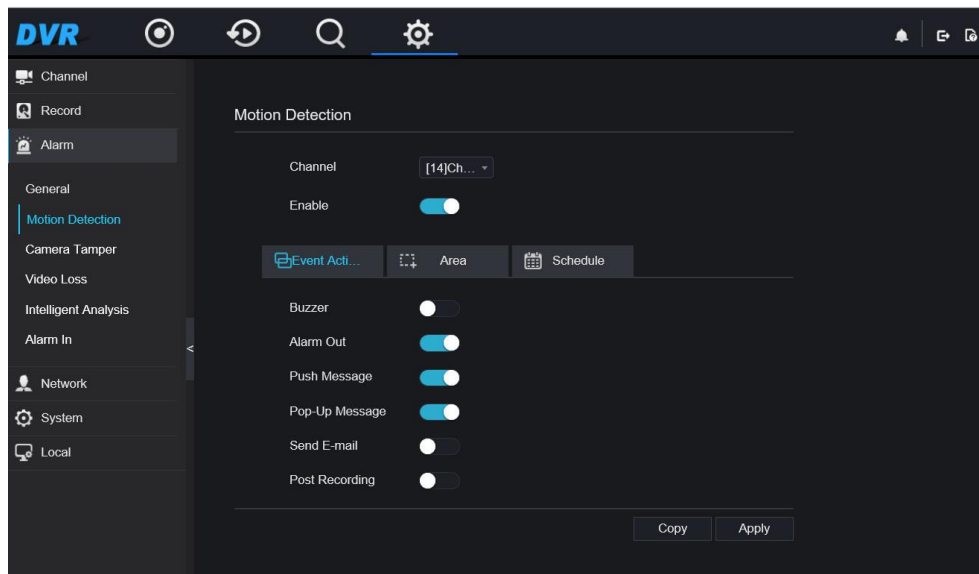
----End

### 5.4.2 Motion Detection

#### Procedure

Step 1 On the **Setting** screen, choose **alarm > motion detection** to access the detection interface, as shown in Figure 5-21.

Figure 5-21 Motion detection interface



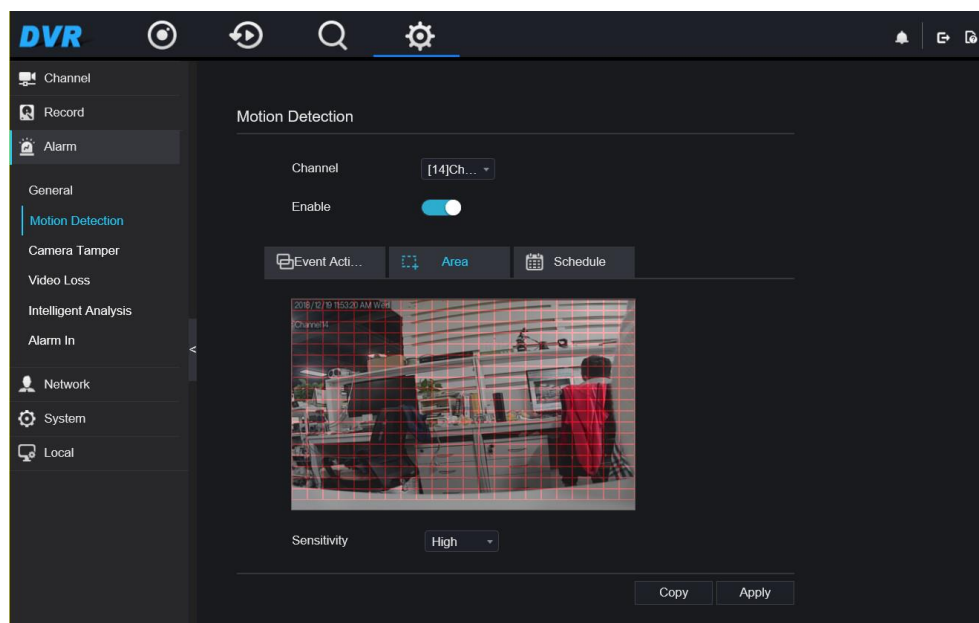
Step 2 Click channel drop-down list to choose channel.

Step 3 Enable motion detection alarm.

Step 4 Set **event activity**, includes buzzer, alarm out, push message, pop up message, send E-mail and post recording.

Step 5 Click **Area** page to access the motion detection area setting, as shown in Figure 5-22.

Figure 5-22 Motion detection area interface



1. Hold down and drag the left mouse button to draw a motion detection area.
2. Select a value from the drop-down list next to **Sensitivity**.
3. Double -click the chosen area to delete.

Step 6 Click **schedule** to access schedule settings, drag and release mouse to select the arming time within 00:00-24:00 from Monday to Sunday. Click the chosen area can cancel.

Step 7 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

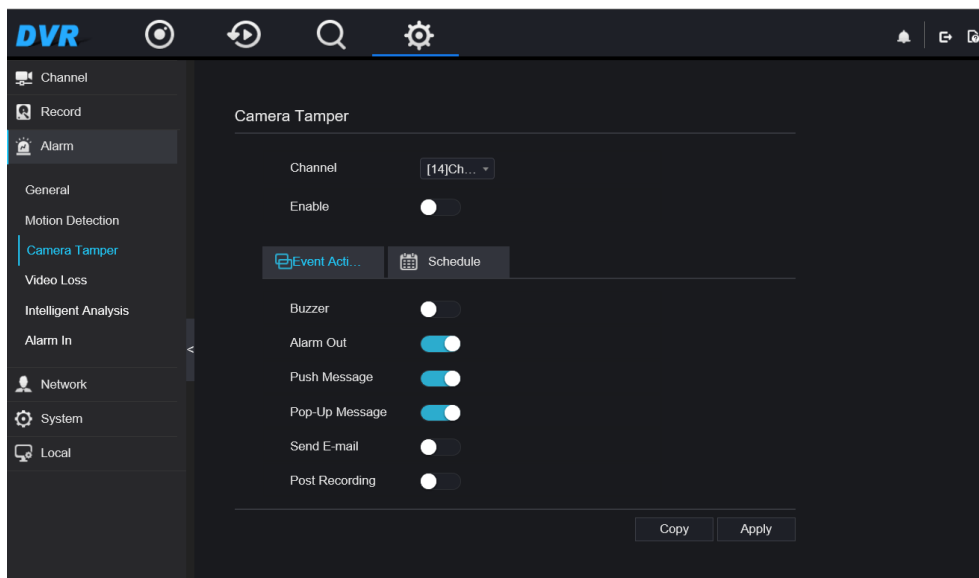
---End

## 5.4.3 Camera Tamper

### Procedure

Step 1 On the **Setting** screen, choose **alarm > camera tamper** to access the detection interface, as shown in Figure 5-23.

Figure 5-23 Camera tamper interface



Step 2 Click drop-down list to choose channel.

Step 3 Enable the camera tamper alarm.

Step 4 Set event activity and schedule please refer to 5.4.2 *motion detection settings* .

Step 5 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

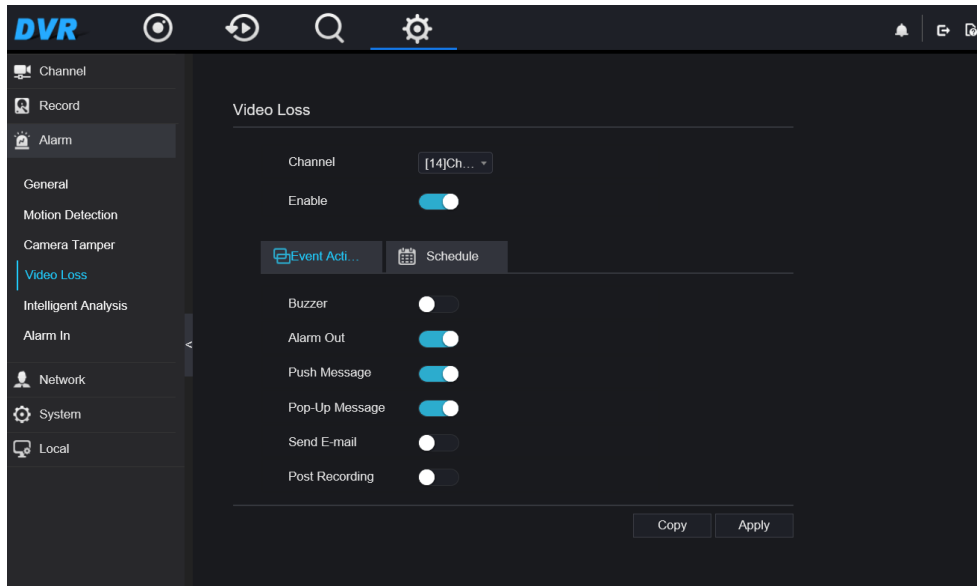
## 5.4.4 Video Loss

### Procedure

Step 1 On the **Setting** screen, choose **alarm > camera tamper** to access the detection interface, as shown in Figure 5-24.



Figure 5-24 Video loss interface



Step 2 Click drop-down list to choose channel.

Step 3 Enable the video loss alarm.

Step 4 Set event activity and schedule please refer to 5.4.2 motion detection settings .

Step 5 Click **copy** to choose other camera to copy settings. Click **apply** to save the settings.

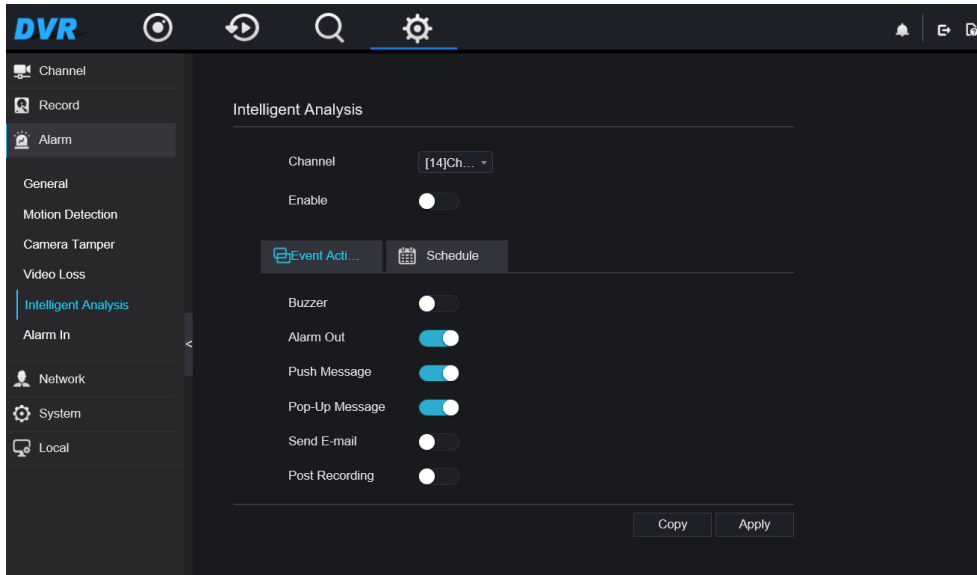
----End

## 5.4.5 Intelligent Analysis

### Procedure

Please refer to chapter 5.4.4 video loss settings, interface displayed as shown in Figure 5-25.

Figure 5-25 Intelligent analysis interface

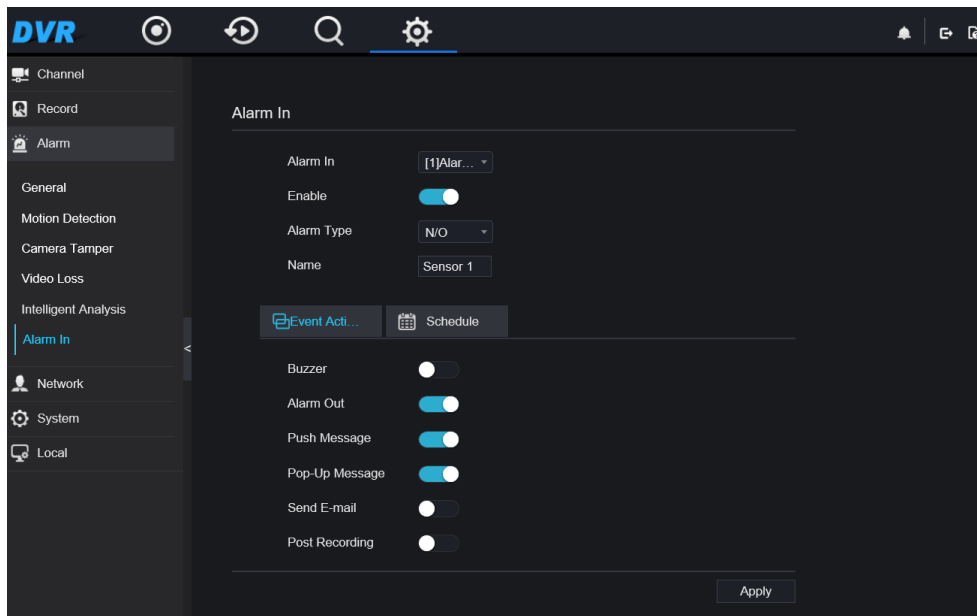


## 5.4.6 Alarm In

### Procedure

Step 1 On the **Setting** screen, choose **alarm > camera tamper** to access the alarm in interface, as shown in Figure 5-26.

Figure 5-26 Alarm in interface



Step 2 Click drop-down list to choose alarm in .

Step 3 Enable the button, choose alarm type.

- Step 4 Set name, default is Sensor 1.
- Step 5 Set event activity and schedule please refer to 5.4.2 motion detection settings .
- Step 6 Click **apply** to save settings.

## 5.5 Network

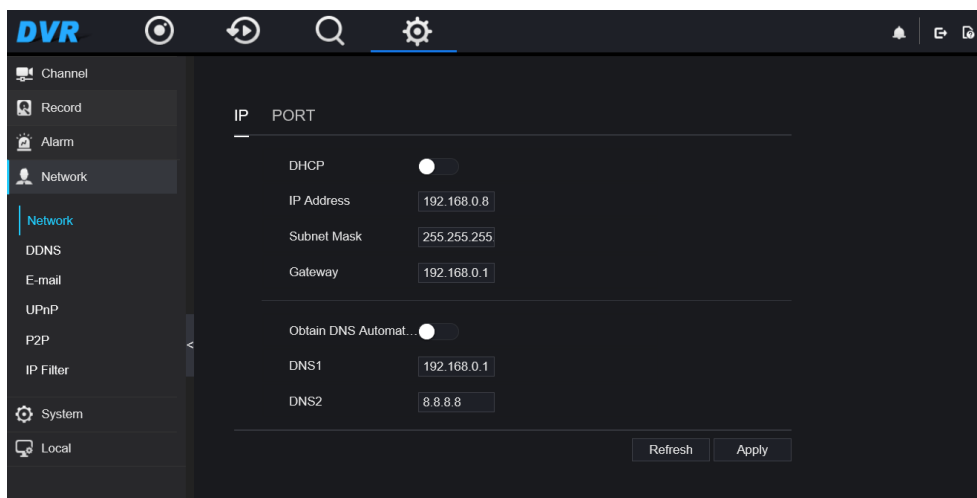
You can set **Network, DDNS, E-mail, UPnP, P2P** and **IP Filter**.


### 5.5.1 Network

#### Procedure


- Step 1 On the **Setting** screen, choose **Network > network** to access the network interface, as shown in Figure 5-27.

Figure 5-27 Network interface



- Step 2 Click  next to **IP** to enable or disable the function of automatically getting an IP address. The function is enabled by default.

If the function is disabled, click input boxes next to **IP, Subnet mask,** and **Gateway** to set the parameters as required.

- Step 3 Click  next to **Obtain DNS Automatically** to enable or disable the function of automatically getting a DNS address. The function is enabled by default.

If the function is disabled, click input boxes next to **DNS1** and **DNS2**, delete original addresses, and enter new addresses.

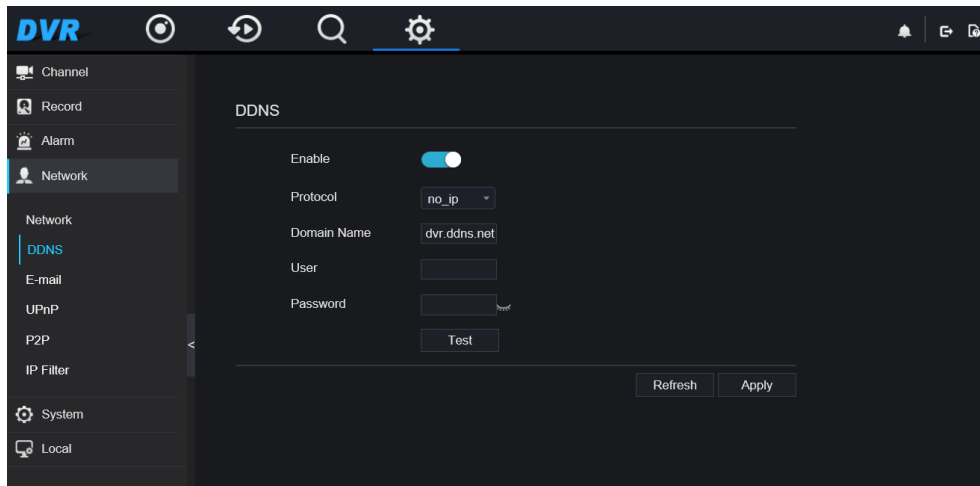
- Step 4 Click **refresh** to restore previous settings. Click **apply** to save the settings.

## 5.5.2 DDNS

### Procedure

Step 1 Click **DDNS** in the network interface, as shown in Figure 5-28.

Figure 5-28 DDNS interface



Step 2 Click the button to enable the DDNS function. It is disabled by default.

Step 3 Select a required value from the **protocol** drop-down list.

Step 4 Set domain name, user, and password.

Step 5 Click **refresh** to restore previous settings. Click **Apply** to save the settings.

#### **NOTE**

- An external network can access an address specified in the DDNS settings to access the DVR.

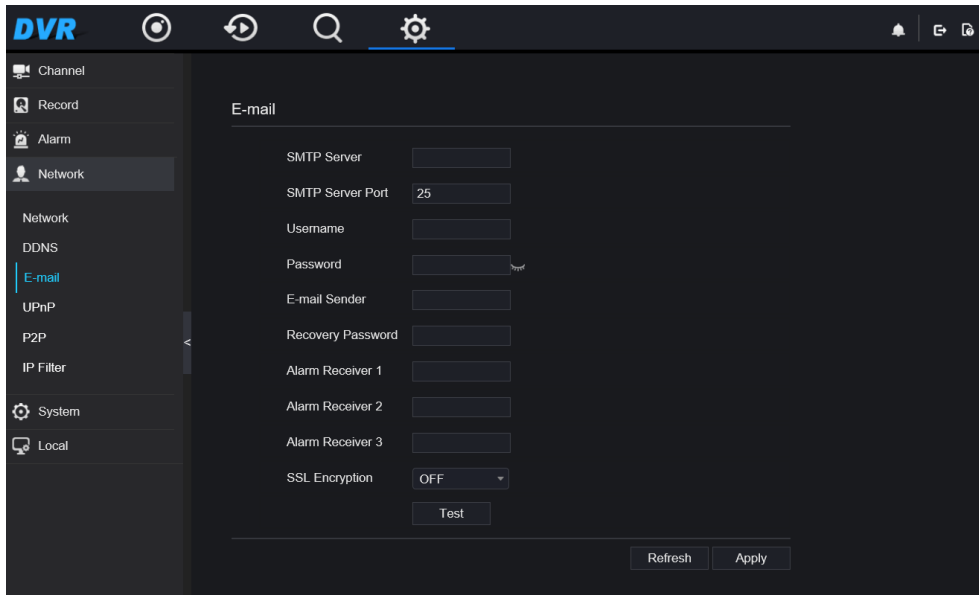
----End

## 5.5.3 E-mail

### Procedure

Step 1 Click **E-mail** in the network interface, as shown in Figure 5-29.

Figure 5-29 E-mail interface



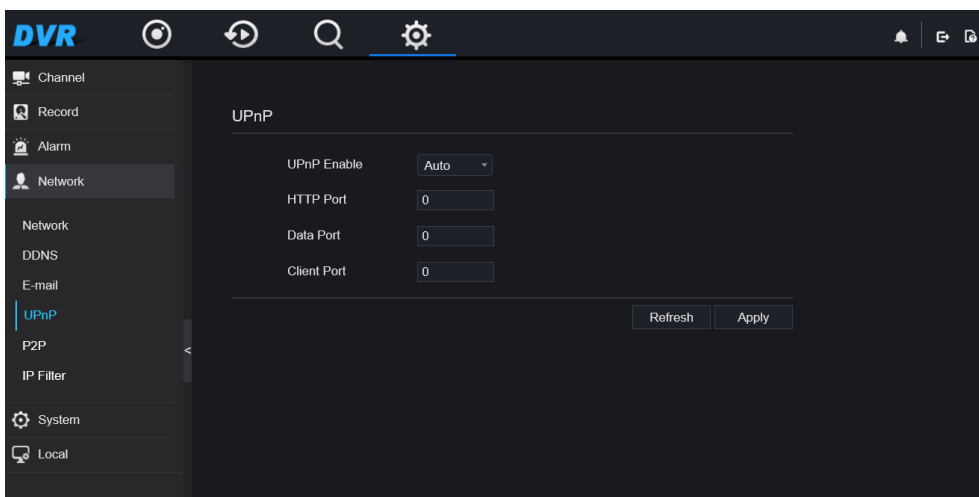
- Step 2 Set SMTP server and SMTP server port manually.
- Step 3 Set sender E-mail, user name and password manually.
- Step 4 Set E-mail for receive alarm the message.
- Step 5 Set E-mail for retrieve the password the message.
- Step 6 Click **SSL Encryption** drop-down list to enable safeguard of email.
- Step 7 Click **refresh** to restore previous settings. Click **Apply** to save the settings.

## 5.5.4 UPNP

### Procedure

- Step 1 Click **UPNP** in the network interface, as shown in Figure 5-30.

Figure 5-30 UPNP interface



- Step 2 Select manner from UPnP enable drop list. The default is auto.
- Step 3 After **UPnP** is manual, set the Web port, data port and client port manually.
- Step 4 Click **refresh** to restore previous settings. Click **Apply** to save the settings .

 **NOTE**

- Auto :system perform UPnP automatically.
- Manual : the ports distribute by router, you need to refer router then input them.

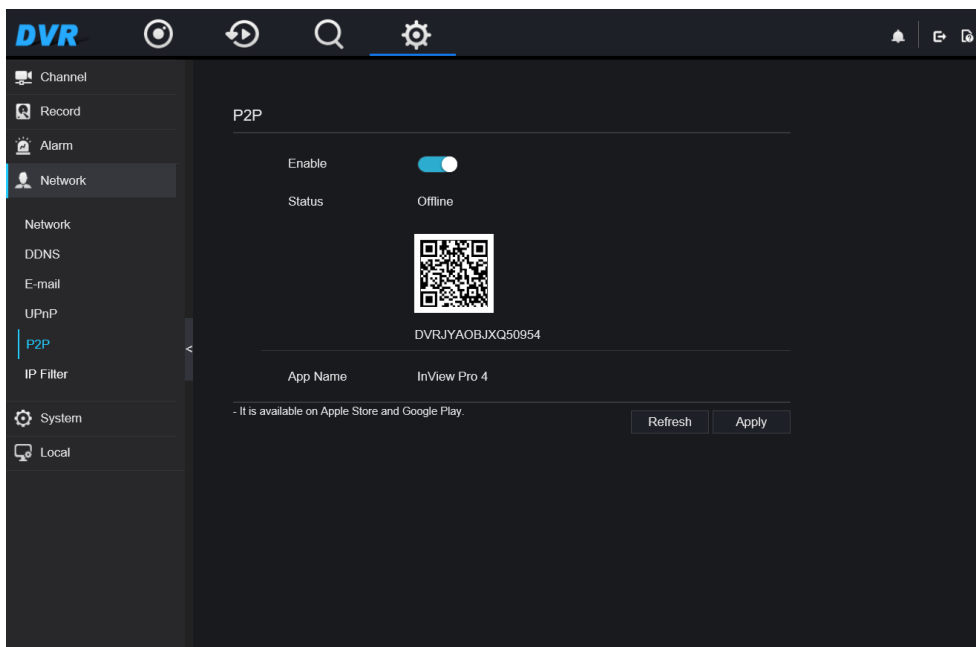
----End

## 5.5.5 P2P

### Procedure

- Step 1 Click **P2P** in the network interface, P2P interface is displayed, as shown in Figure 5-31.

Figure 5-31 P2P interface



- Step 2 Click Enable to enable the P2P function.
- Step 3 Click refresh to restore previous settings. Click Apply to save the settings.
- Step 4 After the Inview Pro4 is installed in mobile phone, run the APP and scan the UUID QR code to add and access the DVR when the device is online.

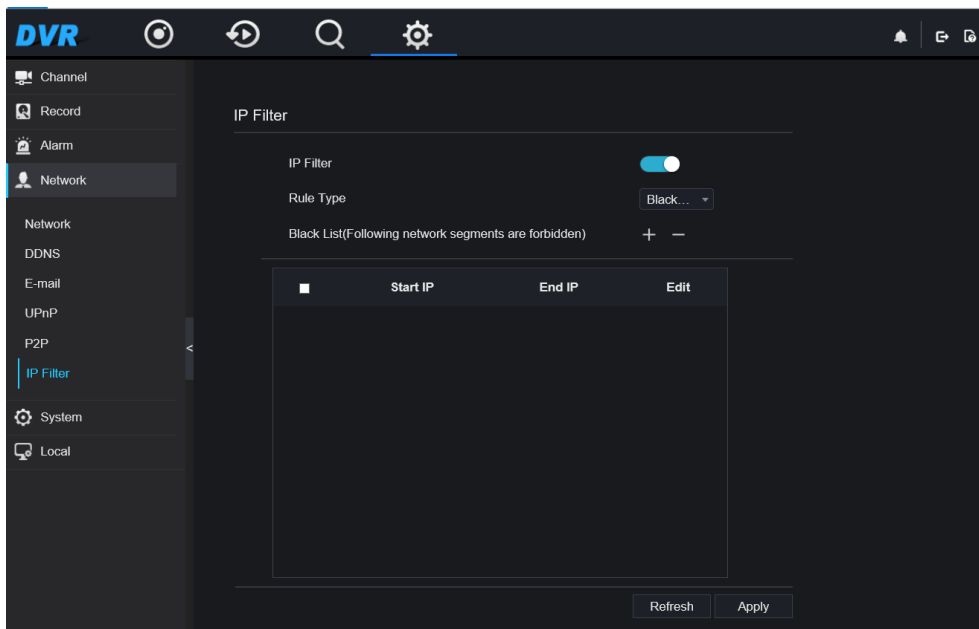
----End

## 5.5.6 IP Filter

### Procedure

Step 1 Click **IP Filter** in the network interface, IP filter interface is displayed, as shown in Figure 5-32.

Figure 5-32 IP filter interface



Step 2 Click **Enable** to enable the IP filter function.

Step 3 Click drop-down list of rule type to choose black list or white list.


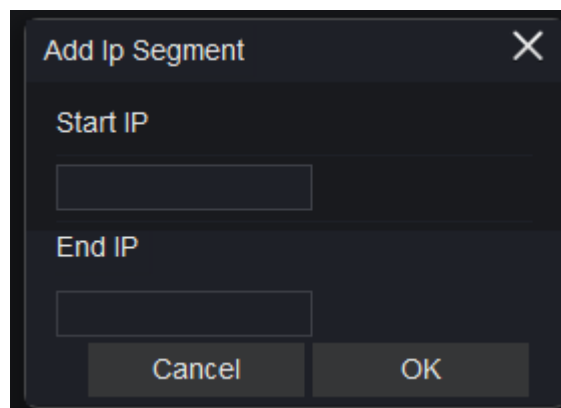
Step 4 Click , view the pop-up windows to set black list or white list , as shown in Figure 5-33.

Figure 5-33 Black or white list interface



Step 5 Set start IP and end IP.

Step 6 Click Cancel to deny settings, click OK to save the settings.

 **NOTE**

- Black list: IP address in specified network segment to prohibit access.
- White list: IP address in specified network segment to allow access.
- Select a name in the list and click Delete to delete the name from the list.
- Select a name in the list and click Edit to edit the name in the list.
- Only one rule type is available, and the last rule type set is efficient.

----End

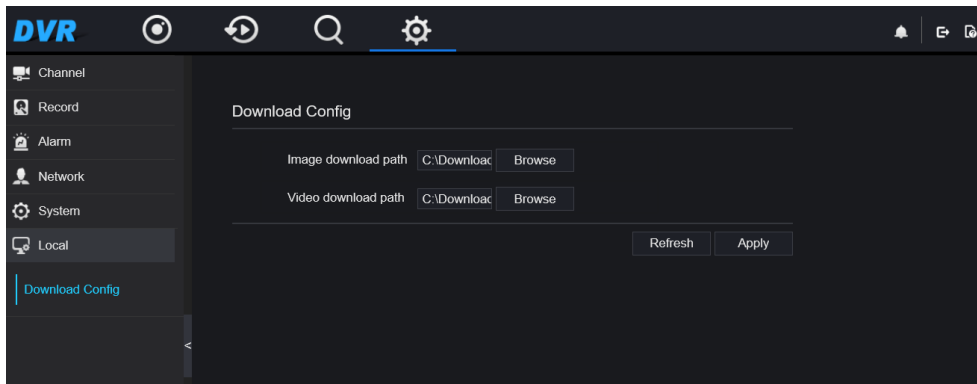
## 5.6 Local

Set the image download path for snapshot and the record download path for record files in the download configuration interface.

### Procedure

Step 1 Click **local download config** in local interface, as shown in Figure 5-34.

**Figure 5-34** Local interface



Step 2 Enter the image download path.

Step 3 Enter the record download path.

Step 4 Click **refresh** to return the previous settings. Click **Apply** to save the settings.

----End