Uniden®

GXVR558XX System

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OWNER'S MANUAL

System Configurations

Please read the	following notes	prior to using v	our Device.	

MOTE

- The interfaces in the Manual are used for introducing the operations and only for reference. The actual interface might be different dependent on the model you purchased.
 If there is inconsistency between the Manual and the actual product, the actual product shall govern.
- The Manual is a general document for introducing the product, so there might be some functions described for the Device in the Manual not apply to the model you purchased.
- Conventions for mouse operations on a menu.
 - Click: On the menu, left-click the mouse once on an option to enter the option setting.
 - ♦ Right-click: On any interface, right-click the mouse once to return to the previous level.

Initial Settings

Booting up



CAUTION

- Ensure the input voltage corresponds to the power requirement of the Device. Power on the Device after the power cable is properly connected.
- To protect the Device, please connect the Device with the power cable first, and then connect to the power source.

Step 1 Connect the Device to the monitor.

Step 2 Plug in the power cable to the Device.

Step 3 Press the power button to turn on the Device. The power indicator light is on.

On the connected monitor, the live view screen is displayed by default. If you turn on the Device during the time period that is configured for recording, the system starts recording after it is turned on, and you will see the icon indicating recording status is working in the specific channels.

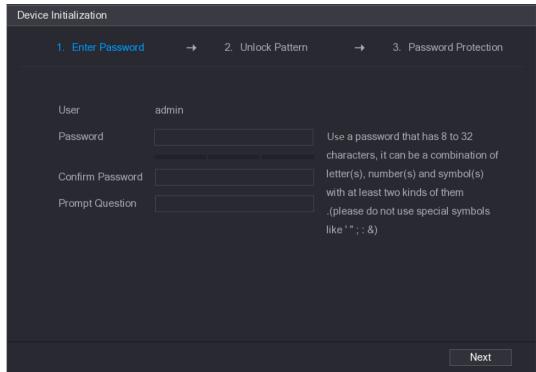
Initializing the Device

When booting up for the first time, you need to configure the password information for adm	in
(by default).	
NOTE	

To secure the Device, it is strongly recommended for you to properly keep the password for admin and modify it regularly.

Step 1 Turn on the Device.

The **Device Initialization** interface is displayed.

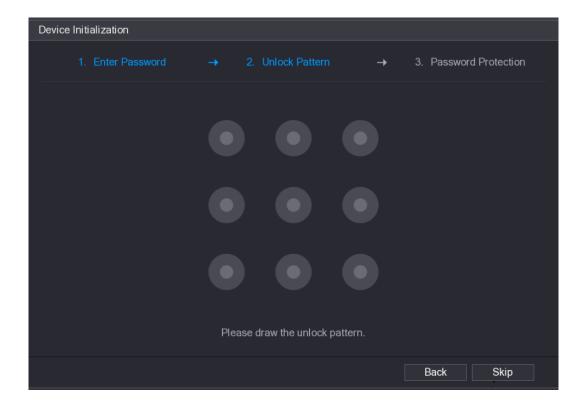


Step 2 Configure the password information for admin.

Parameter	Description	
User	By default, the user is admin .	
Password	In the Password box, enter the password for admin.	
Confirm Password	The new password can be set from 8 characters through 32 characters and contain at least two types from number, letter and special characters (excluding"", """, ";", ":" and "&").	
Prompt Question	In the Prompt Question box, enter the information that can remind you of the password. NOTE	
	On the login interface, click , the prompt will display to help you find back the password.	

Step 3 Click Next.

The unlock pattern setting interface is displayed.

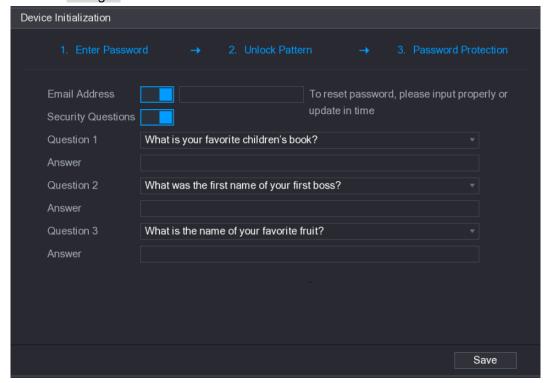


Step 4 Draw a unlock pattern.

After the setting is completed, the password protection settings interface is displayed.

NOTE

- The pattern that you want to set must cross at least four points.
- If you do not want to configure the unlock pattern, click Skip.
- Once you have configured the unlock pattern, the system will require the unlock pattern as the default login method. If you skip this setting, enter the password for login.



Step 5 Configure the protection parameters for password.

After configuration, if you forgot the password for admin user, you can reset the password through the reserved email address or security questions.

If you do not want to configure the settings, disable the email address and security questions functions on the interface.

Password			
Protection Mode	Description		
Email Address	Enter the reserved email address. In the Email Address box, enter an email address for password reset. In case you forgot password, enter the security code that you will get from this reserved email address to reset the password of admin.		
Security Questions Configure the security questions and answers. In case you forgot password, enter the answers to the questions of make you reset the password.			
If you want to configure the email or security questions fucntion later or you want to change the configurations, select Main Menu > ACCOUNT > USER .			

Step 6 Click Save to complete the settings.

The **End-User License Agreement** interface is displayed.

Step 7 Select the I have read and agree to all terms check box.

Step 8 Click Next.

The Startup Wizard interface is displayed.

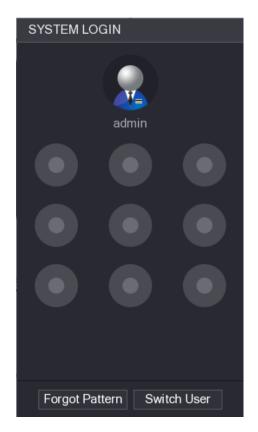
Resetting Password

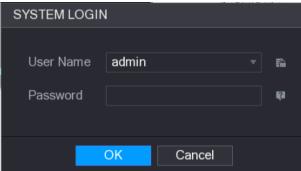
You can reset the password through the QR code or the security questions.

- To reset through the QR code, make sure the Enable check box is selected in Main
 Menu > SYSTEM > SECURITY > Password Reset.
- To reset through the security questions, make sure the security quesitons is configured.
 Step 1 Enter the login interface.
 - If you have configured unlock pattern, the unlock pattern login interface is displayed.
 - If you did not configure unlock pattern, the password login interface is displayed.

 NOTE

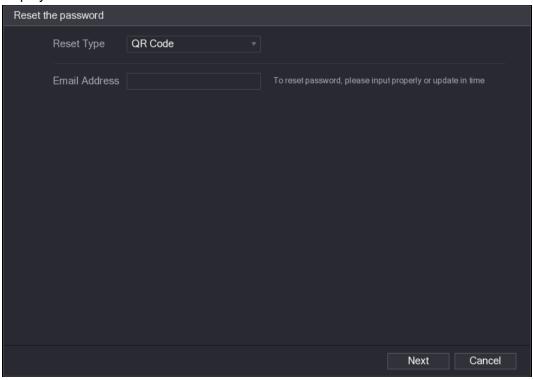
On the unlock pattern login interface, click **Switch User** to login; or on the password login interface, in the **User Name** list, select other users to login.

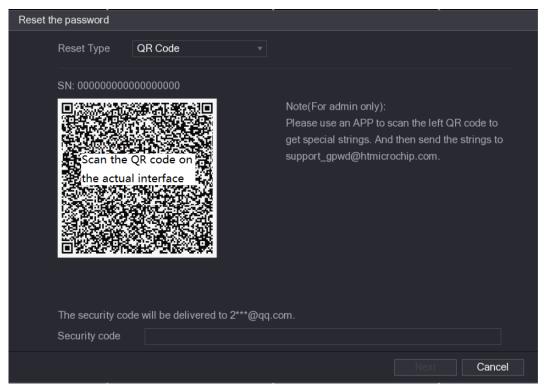




Step 2 Click

 If you did not set the reserved email address, the email entering interface is displayed. Enter the email address, and then click Next, the Reset the password interface is displayed. If you have set the reserved email address, the Reset the password interface is displayed.





Step 3 Rest the password.

QR code

Follow the onscreen instructions to get the security code in your reserved email address. In the **Security code** box, enter the security code.



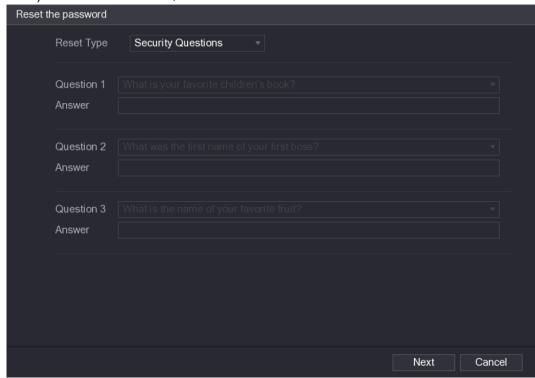
 You are given the limited times to get the security code by scanning the QR code within 24 hours. Please operate carefully.

- Please use the security code received in your email box to reset the password within 24 hours; otherwise the security code becomes invalid.
- Security questions
- On the Reset the password interface as shown, in the Reset Type list, select Security Questions, the Security Questions interface is displayed.

MOTE

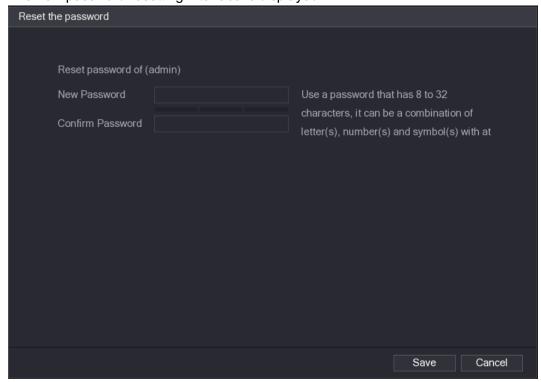
If you did not configure the security questions before, in the **Reset Type** list, there will be no **Security Questions**.

2) In the **Answer** box, enter the correct answers.



Step 4 Click Next.

The new password resetting interface is displayed.



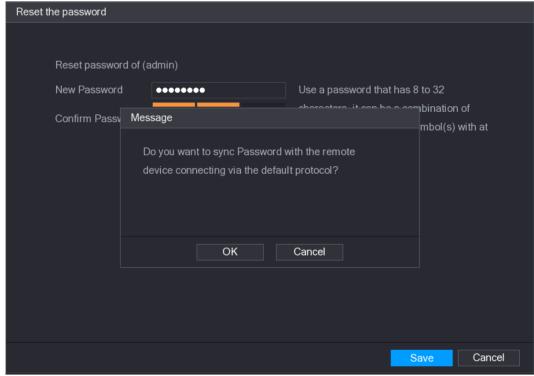
- <u>Step 5</u> In the **New Password** box, enter the new password and enter it again in the **Confirm Password** box.
- Step 6 Click Save. The password resetting is started.

After resetting is completed, a pop-up message is displayed.

Step 7 Click **OK**.

A pop-up message is displayed asking if you want to sync the password with the remote devices.

- Click Cancel, the resetting is finished.
- Click **OK**, the Sync Info interface is displayed.



NOTE

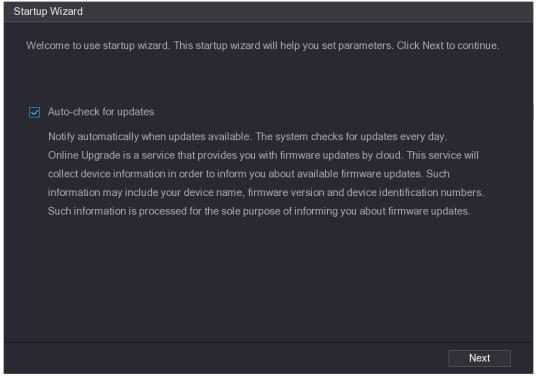
This message appears only when there are digital channels instead of complete analog channels.



Setting Up with the Startup Wizard

Entering Startup Wizard

The Startup Wizard helps you configure the basic settings to set up the Device. After you have initialized the Device, the **Startup Wizard** interface is displayed.



NOTE

If you select the **Auto-check for updates** check box, the system will notify you automatically when updates are available.

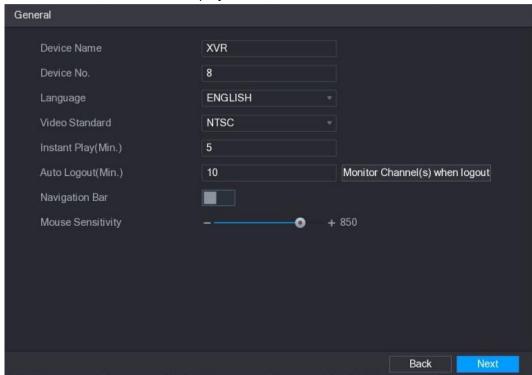
Configuring General Settings

You can configure the general settings for the Device such as Device name, language, and settings for instant playback.

You can also configure general settings by selecting **Main Menu > SYSTEM > GENERAL > General**.

Step 1 On the Startup Wizard interface, click Next.

The General interface is displayed.



Step 2 Configure the general settings parameters.

Parameter	Description		
Device Name	In the Device Name box, enter the Device name.		
Device No.	In the Device No. box, enter a number for the Device.		
Language	In the Language list, select a language for the Device system.		
Video Standard list, select PAL or NTSC according to you situation.			
Instant Play (Min.)	In the Instant Play box, enter the time length for playing back the recoded video. The value ranges from 5 to 60. On the live view control bar, click the instant playback button to play back the recorded video within the configured time.		
Auto Logout (Min.)	In the Auto Logout box, enter the standby time for the Device. The Device automatically logs out when it is not working for the configured time period. You need to login the Device again. The value ranges from 0 to 60. 0 indicates there is not standby time for the Device. Click Monitor Channel(s) when logout . You can select the channels that you want to continue monitoring when you logged out.		

Parameter	Description	
Navigation Bar	Enable the navigation bar. When you click on the live view screen, the	
	navigation bar is displayed.	
Mouse Sensitivity	Adjust the speed of double-click by moving the slider.	
	The bigger the value is, the faster the double-clicking speed must be.	

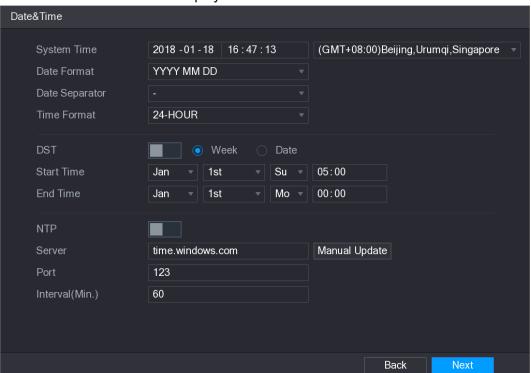
Configuring Date and Time Settings

You can configure the system time, choose the time zone, set the daylight saving time, and enable the NTP server.

You can also configure date and time settings by selecting **Main Menu > SYSTEM > GENERAL > Date&Time**.

Step 1 After you have configured the general settings, on the **General** interface, click **Next**.

The **Date&Time** interface is displayed.



Step 2 Configure the settings for date and time parameters.

Parameter	Description		
	In the System Time box, enter time for the system.		
	Click the time zone list, you can select a time zone for the system, and		
	the time in adjust automatically.		
System Time	A CAUTION		
	Do not change the system time randomly; otherwise the recorded video		
	cannot be searched. It is recommended to avoid the recoding period or		
	stop recording first before you change the system time.		
Date Format	In the Date Format list, select a date format for the system.		
Date Separator	In the Date Separator list, select a separator style for the date.		

Parameter	Description	
Time Format	In the Time Format list, select 12-HOUR or 24-HOUR for the time display style.	
DST	Enable the Daylight Saving Time function. Click Week or click Date .	
Start Time	Configure the start time and and time for the DCT	
End Time	Configure the start time and end time for the DST.	
NTP	Enable the NTP function to sync the Device time with the NTP server.	
Server	In the Server box, enter the IP address or domain name of the corresponding NTP server. Click Manual Update , the Device starts syncing with the server immediately.	
Port	The system supports TCP protocol only and the default setting is 123.	
Interval (Min.)	In the Interval box, enter the amount of time that you want the Device to sync time with the NTP server. The value ranges from 0 to 65535.	

Configuring P2P Settings

You can add the Device into your cell phone client or the platform to manage.

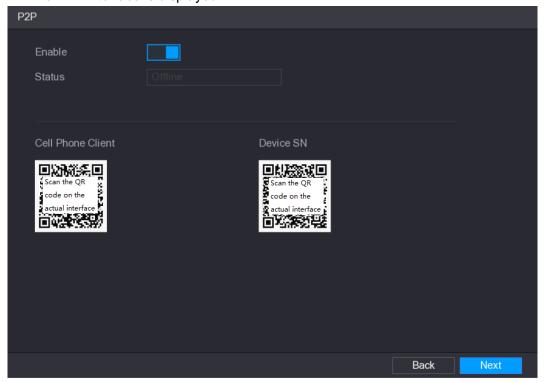
You can also configure P2P function by selecting Main Menu > NETWORK > P2P.

NOTE

Make sure the DVR is connected into the Internet, and if yes, in the **Status** box of the P2P interface, it shows **Online**.

<u>Step 1</u> After you have configured the network settings, on the **NETWORK** interface, click **Next**.

The **P2P** interface is displayed.



Step 2 Enable the P2P function.

Step 3 Click Apply.

You can start adding the device.

- Cell Phone Client: Use your mobile phone to scan the QR code to add the device into the Cell Phone Client, and then you can start accessing the Device.
- Platform: Obtain the Device SN by scanning the QR code. Go to the P2P management platform and add the Device SN into the platform. Then you can access and manage the device in the WAN.



You can also enter the QR code of Cell Phone Client and Device SN by clicking on the top right of the interfaces after you have entered the Main Menu.

To use this function, take adding device into Cell Phone Client as an example.

Live View

After you logged in the Device, the live view is displayed.

To enter the live view screen from other interfaces, click on the top right of the screen.



Live View Screen

You can view the live video from the connected cameras through each channel on the screen.

- By default, the system time, channel name and channel number are displayed on each channel window. This setting can be configured by selecting Main Menu > CAMERA > OVERLAY.
- The figure in the bottom right corner represents channel number. If the channel position is changed or the channel name is modified, you can recognize the channel number by this figure and then perform the operations such as record query and playback.

For the icons displayed on each channel.

Icon	Function
	Indicates recording status. This icon displays when the video is being recorded.
**	This icon displays when the motion detection occurs in the scene.
?	This icon displays when the video loss is detected.
6	This icon displays when the channel monitoring is locked.



To switch the position of two channels, point to one of the two channels, and then drag the window to the other channel.

Live View Control bar

The live view control bar provides you access to perform the operations such as playback, zoom, real-time backup, manual snapshot, voice talk, adding remote devices, and streams switch.

When you move the pointer to the top middle position of a channel window, the live view control bar is displayed.

NOTE

If there is not operation for six seconds after the control bar is displayed, the control bar hides automatically.



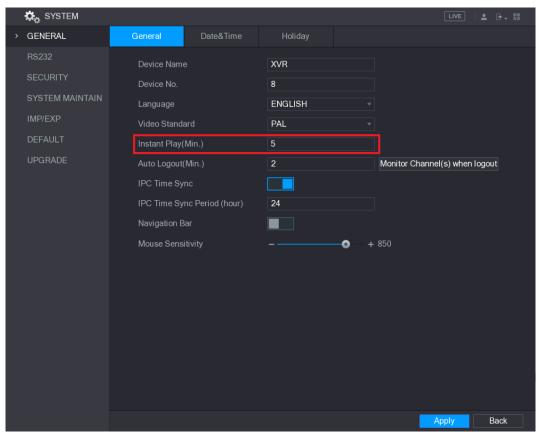
No.	Function	No.	Function
1	Instant Play	4	Manual Snap
2	Digital Zoom	5	Mute
2	Real-time		
3	Backup		

Instant Playback

You can play back the previous five minutes to sixty minutes of the recorded video.

By clicking , the instant playback interface is displayed. The instant playback has the following features:

- Move the slider to choose the time you want to start playing.
- Play, pause and close playback.
- The information such as channel name and recording status icon are shielded during instant playback and will not display until exited.
- During playback, screen split layout switch is not allowed.
- To change the playback time, select Main Menu > SYSTEM > GENERAL, in the Instant Play box, enter the time you want to play back.



Digital Zoom

You can enlarge a specific area of the image to view the details by either of the following two ways.

- Click , the icon switches to . Hold down the left mouse button to select the area you want to enlarge. The area is enlarged after the left mouse button is released.
- Point to the center that you want to enlarge, rotate the wheel button to enlarge the area.

NOTE

- For some models, when the image is enlarged in the first way described previously, the selected area is zoomed proportionally according to the window.
- When the image is in the enlarged status, you can drag the image toward any direction to view the other enlarged areas.
- Right-click on the enlarged image to return the original status.

Real-time Backup

You can record the video of any channel and save the clip into a USB storage device.

By clicking , the recording is started. To stop recording, click this icon again. The clip is automatically saved into the connected USB storage device.

Manual Snapshot

You can take one to five snapshots of the video and save into a USB storage device.

By clicking , you can take snapshots. The snapshots are automatically saved into the connected USB storage device. You can view the snapshots on your PC.

₩ NOTE

To change the quantity of snapshots, select **Main Menu > CAMERA > ENCODE > Snapshot**, in the **Manual Snap** list, select the snapshot quantity.

Mute (Analog channel only)

You can mute the video sound by clicking . This function is supported in single-channel view.

Navigation Bar

You can access the functions to perform operations through the function icons on the navigation bar. For example, you can access Main Menu and switch window split mode.

NOTE

The navigation bar is disabled by default. It does not appear in the live view screen until it is enabled. To enable it, select **Main Menu > SYSTEM > GENERAL**, enable the Navigation Bar, and then click **Apply**.



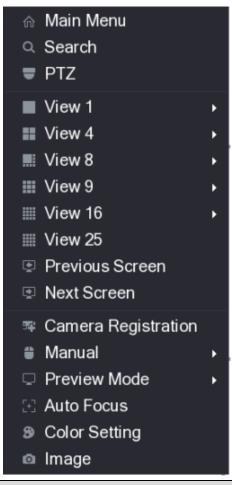
Icon	Function	
	Open Main Menu .	
4	Expand or condense the navigation bar.	
25	Select view layout.	
=	Go to the previous screen.	
⊕	Go to the next screen.	
t]	Enable tour function. The icon switches to	
	Open the PTZ control panel.	
8	Open the Color Setting interface. NOTE This function is supported only in single-channel layout.	
Q	Open the record search interface.	
A	Open the EVENT interface to view the device alarm status.	
-	Open the CHANNEL INFO interface to display the information of each channel.	
9 4	Open the CAMERA REGISTRATION interface.	
**	Open the NETWORK interface.	
	Open the HDD MANAGER interface.	
Ü	Open the USB MANAGER interface.	

Shortcut Menu

You can quickly access some function interfaces such as main menu, record search, PTZ setting, color setting and select the view split mode.

Right-click on the live view screen, the shortcut menu is displayed.

After you access any interface through shortcut menu, you can return to the previous screen by right-clicking on the current screen.



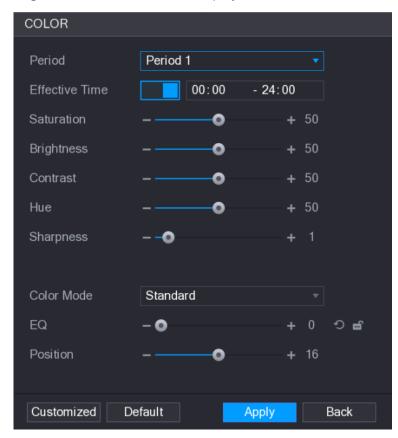
Function	Description		
Main Menu	Open Main Menu interface.		
Search	Open the PLAYBACK interface where you can search and play		
Search	back record files.		
PTZ	Open the PTZ interface.		
View Layout	Configure the live view screen as a single-channel layout or multi-		
view Layout	channel layout.		
Previous Screen	Click Previous Screen to go to the previous screen. For example,		
Next Screen	if you are using 4-split mode, the first screen is displaying the		
Next Screen	channel 1-4, click Next screen , you can view channel 5-8.		
Camera Registration	Open the CAMERA REGISTRATION interface."		
	Select Record , you can configure the recording mode as		
Manual	Auto or Manual, or stop the recording. You can also enable		
Iviariuai	or disable snapshot function		
	Select Alarm Out, you can configure alarm output settings.		
	Select General , the layout of live view screen is as default.		
Preview Mode	Select Show Face List, the detected face snapshots are		
	displayed in the bottom of the live view screen.		
	Point to the channel window and right-click on it to open the		
At	shortcut menu, and then click Auto Focus .		
Auto Focus	NOTE		
	Not all cameras support this function.		

Function	Description
Color Setting	Open the COLOR interface where you can adjust the video image
Color Setting	color.
Image	Click to modify the camera properties.

Color Setting

You can adjust the video image color effect such as sharpness, brightness, and contrast. The parameters are different according to the connected camera type. Take analog channel as an example.

In the live view screen, right-click on the analog channel to see the shortcut menu, and then select **Color Setting**, the **COLOR** interface is displayed.



Parameter	Description
Period	Divide 24 hours into two periods and configure the corresponding
renou	color settings.
Effective Time	Enable the function and then set the effective time for each period.
	Adjust the sharpness of image edge. The bigger the value is, the
Sharpness	more obvious the image edge, and the noise is also greater.
	The value ranges from 1 to 15. The default value is 1.
Hue	Adjust the hue of image. The value ranges from 0 to 100. The
пие	default value is 50.

Parameter	Description
	Adjust the image brightness. The value ranges from 0 to 100. The default value is 50.
	The bigger the value is, the brighter the image will become. You
Brightness	can adjust this value when the image as a whole looks dark or
	bright. However, the image is likely to become dim if the value is
	too big.
	The recommended range is between 40 and 60.
	Adjust the image contrast. The bigger the value is, the more
	obvious the contrast between the light area and dark area will
	become. You can adjust this value when the contrast is not
Contrast	obvious. However, if the value is too big, the dark area is likely to
Contract	become darker and the light area over exposed. If the value is too
	small, the image is likely to become dim.
	The value ranges from 0 to 100. The default value is 50. The
	recommended range is between 40 and 60.
	Adjust the color shades. The bigger the value, the lighter the color
	will become. This value does not influence the general image
Saturation	lightness.
	The value ranges from 0 to 100. The default value is 50. The
	recommended range is between 40 and 60.
	In the Color Mode list, you can select Standard, Soft, Bright,
	Colorful, Bank, Customized 1, Customized 2, Customized 3,
Color Mode	and Customized 4.
	The sharpness, hue, brightness, contrast and saturation will adjust
	automatically according to the selected color mode.
	Enhance the image effect. Adjust the effect value.
	Click , image is adjusted to the optimized effect
EQ	automatically.
	Click , the current effect setting will be locked.
	NOTE
	Only HD analog channel supports this function.
	Adjust the display position of the image in the channel window.
D 31	The value indicates pixel. The default value is 16.
Position	NOTE NOTE
	This function is only supported by analog channel.

Parameter	Description
Customized	You can customize four color modes.
	Click Customized. The Customized Color interface is
	displayed.
	2. In the Color Mode list, select Customized 1, for example.
	Then configure the settings for sharpness, hue, brightness,
	contrast and saturation. If you select All, the configuration will
	applies to all four customized color modes.
	3. Click OK .
	4. On the COLOR interface, in the Color Mode list, you can
	select the customized color mode.

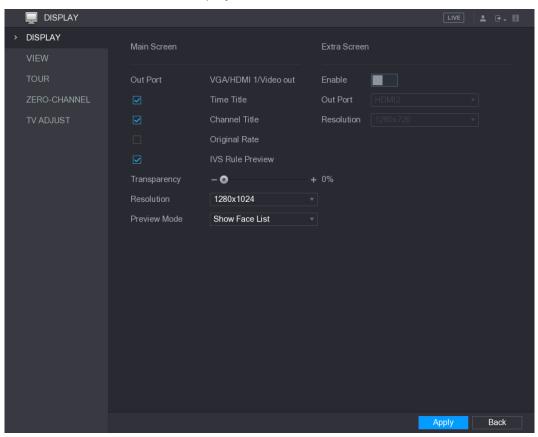
Live View Display

Configuring Display Settings

You can configure the display effect such as displaying time title and channel title, adjusting image transparency, and selecting the resolution.

Step 1 Select Main Menu > DISPLAY > Display.

The **DISPLAY** interface is displayed.



<u>Step 2</u> Configure the settings for the display parameters.

Parameter		Description
	Out Port	Indicates the main screen port.

		D	
Parameter		Description	
	Time Title	Select the Time Title check box, the current system time	
		displays in each channel window in live view screen. To hide	
		the time, clear the check box.	
	Channel Title	Select the Channel Title check box, the channel name,	
		channel number and recording status display in each channel	
		window in live view screen. To hide the time, clear the check	
		box.	
	Original Rate	Select the Original Rate check box, the video image displays	
		in its actual size in the channel window.	
	IVS Rule	Select the IVS Rule Preview check box to enable IVS rule	
	Preview	preview function.	
	Transparency	Configure the transparency of the graphical user interface	
Main		(GUI). The higher the value, the more transparent the GUI	
Screen		becomes.	
	Resolution	Select resolution for the video. The default resolution for VGA	
		port and HDMI port is 1280×1024.	
		NOTE	
		Some of the resolution options might not be supported on the	
		HDMI port.	
	Preview Mode	General: No information is displayed on the channel	
		window.	
		Show Face List: Displays the detected face snapshots	
		taken as a result of face detection on the bottom of the	
		live view screen.	
		NOTE	
		Not all models support this function.	
	Enable	Enable extra screen function. After this function is enabled,	
		you can select which port as extra screen port, and the other	
		port automatically becomes the main screen port.	
	Out Port	Select the VGA port or HDMI port as the port connected by a	
		secondary monitor. For example, if you select HDMI port as	
Extra		the extra screen port, the VGA port automatically becomes	
Screen		the main screen port.	
	Resolution	Select resolution for the video. The default resolution for VGA	
		port and HDMI port is 1280×720.	
		NOTE	
		Some of the resolution options might not be supported on the	
		HDMI port.	
NOT	NOTE		

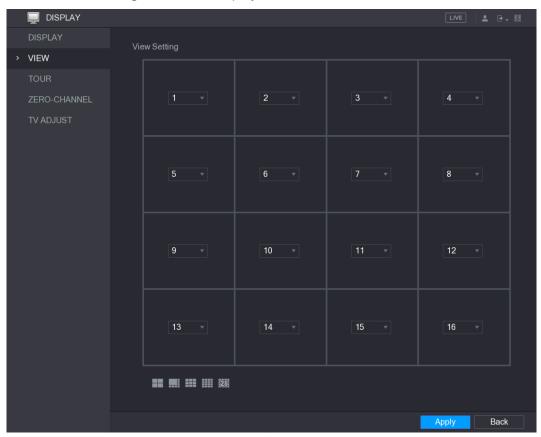
- The main menu does not display on the extra screen.
- If you do not enable the extra screen function, both the VGA port and HDMI port display the same image.

Configuring Viewing Layout

You can configure the view layout in the live view screen.

Step 1 Select Main Menu > DISPLAY > VIEW.

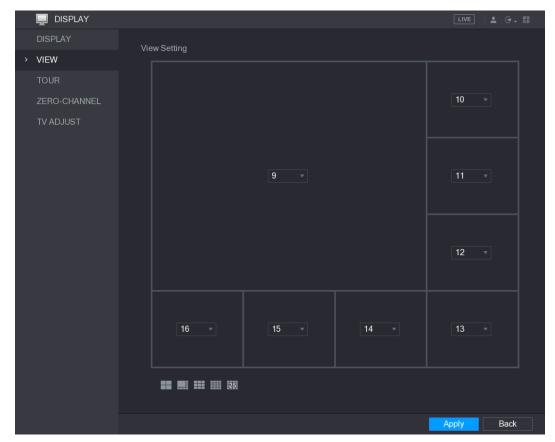
The View Setting interface is displayed.



Step 2 Configure the view layout by clicking the layout buttons on the bottom.



For example, click and select **9-16**, the view layout changes immediately.



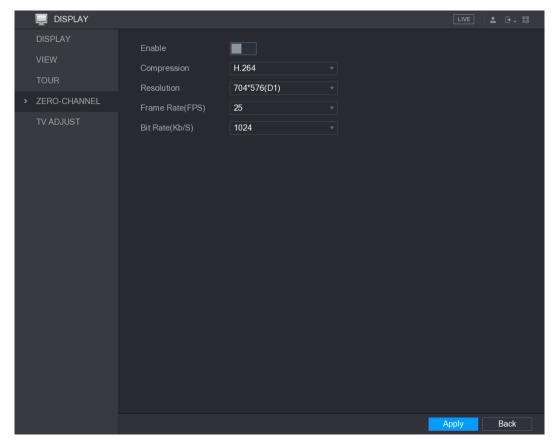
- Step 3 Adjust the position of channels if needed.In the channel list, for example, in the channel 9 list, you can select 10, and then the channel 9 and channel 10 exchange positions.
- Step 4 Click Apply to complete the settings.The live view screen displays the same layout as configured in this section.

Configuring Zero-Channel Settings

You can view several video sources on one channel on the web end.

Step 1 Select Main Menu > DISPLAY > ZERO-CHANNEL.

The **ZERO-CHANNEL** interface is displayed.



Step 2 Configure the settings for the zero-channel parameters.

Parameter	Description
Enable	Enable zero-channel function.
Compression	In the Compression list, select the video compression standard
Compression	according to the device capability. The default is H.264.
Resolution	In the Resolution list, select the video resolution. The default is
Resolution	704×576 (D1).
Frame Rate	Select a value between 1 and 25 for PAL standard, and between 1
(FPS)	and 30 for NTSC standard. The actual arrange is decided and
	selected dependent on the Device capability.
Dit Data (Kh/S)	The default value is 1024Kb/S. The actual arrange is decided and
Bit Rate (Kb/S)	selected dependent on the Device capability and frame rate.

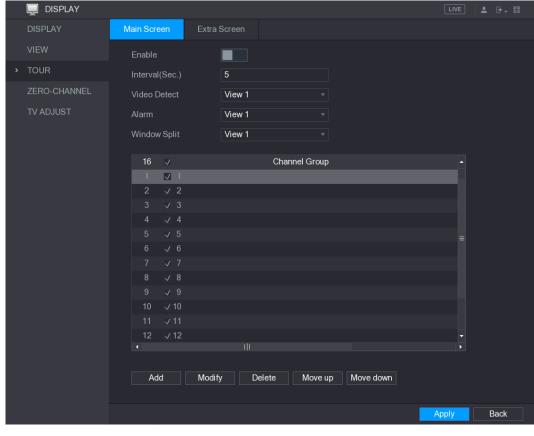
Step 3 Click **Apply** to save the settings.

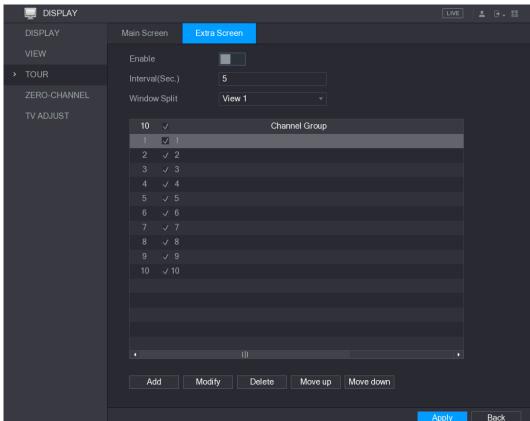
Configuring Tour Settings

You can configure a tour of selected channels to repeat playing videos. The videos display in turn according to the channel group configured in tour settings. The system is playing one channel group for a certain period and then automatically changes to the next channel group.

Step 1 Select Main Menu > DISPLAY > TOUR.

The **TOUR** interface is displayed. There are Main Screen tab and Extra Screen tab.





Step 2 Configure the settings for the tour parameters for both Main Screen and Extra Screen.

	·
Parameter	Description
Enable	Enable tour function.

Parameter	Description	
	Enter the amount of time that you want each channel group displays	
Interval (Sec.)	on the screen. The value ranges from 5 seconds to 120 seconds, and	
	the default value is 5 seconds.	
Video Detect,	Select the View 1 or View 8 for Motion Detect tour and Alarm Tour	
Alarm	(system alarm events).	
Window Split	In the Window Split list, select View 1, View 4, View 8, or other	
Window Split	modes that are supported by the Device.	
Channel Group	 Display all channel groups under the current Window Split setting. Add a channel group: Click Add, in the pop-up Add Group channel, select the channels to form a group, and then click Save. Delete a channel group: Select the check box of any channel group, and then click Delete. Edit a channel group: Select the check box of any channel group and then click Modify, or double-click on the group. The Modify Channel Group dialog box is displayed. You can regroup the channels. Click Move up or Move down to adjust the position of channel group. 	

Step 3 Click Apply to save the settings.

OTIPS

On the top right of the live view screen, use the left mouse button or press Shift to switch between (image switching is allowed) and (image switching is not allowed) to turn on/off the tour function.

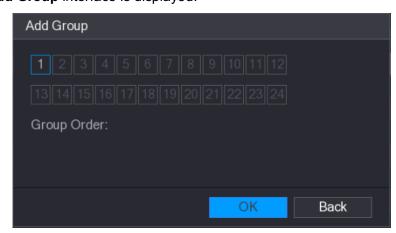
On the navigation bar, click to enable the tour and click to disable

Adding a Channel Group

Step 1 Click Add.

it.

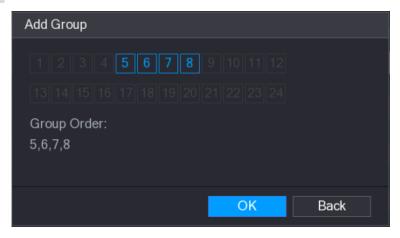
The **Add Group** interface is displayed.



Step 2 Select the channels that you want to group for tour.



If you want to select more than one channel, in the **Window Split** list, do not select **View 1**.

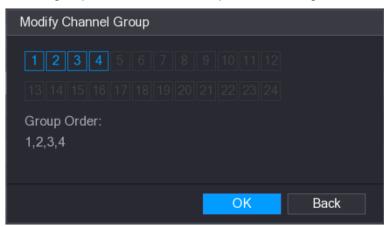


Step 3 Click **OK** to complete the settings.

Modifying a Channel Group

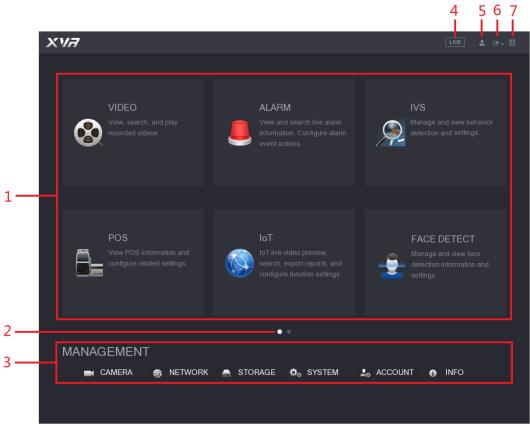
Double-click on a channel group, the **Modify Channel Group** interface is displayed.

You can modify channel group and click **OK** to complete the settings.



Entering Main Menu

Right-click on the live view screen, the shortcut menu is displayed, Click Main Menu and then login the system. The Main Menu is displayed.



No.	Icon	Description	
1	Function	 Includes eight function tiles: VIDEO, ALARM, IVS, POS, IoT, AI, BACKUP, DISPLAY, and AUDIO. Click each tile to open the configuration interface of the tile. VIDEO: Search for and play back the recorded video saved on the Device. ALARM: Search for alarm information and configure alarm event actions. IVS: Configure the behavior detections by drawing rules for detecting tripwire, intrusion, abandoned objects, and missing objects. BACKUP: Search and back up the video files to the local PC or external storage device such as USB storage device. DISPLAY: Configure the display effect such as displaying content, image transparency, and resolution, and enable the zero-channel function. AUDIO: Manage audio files and configure the playing schedule. The audio file can be played in response to an alarm event if the voice prompts function is enabled. 	
2	Switch icon	indicates the current page of main menu. Click to switch to the next page.	
3	Configura tion menu	Includes six configurations through which you can configure camera settings, network settings, storage settings, system settings, account settings, and view information.	
4	Live	Click to go to the live view screen.	

No.	Icon	Description
5	•	When you point to, the current user account is displayed.
6	•	Click , select Logout , Reboot , or Shutdown according to your actual situation.
7	₽ C .	 Displays Cell Phone Client and Device SN QR Code. Cell Phone Client: Use your mobile phone to scan the QR code to add the device into the Cell Phone Client, and then you can start accessing the Device from your cell phone. Device SN: Obtain the Device SN by scanning the QR code. Go to the P2P management platform and add the Device SN into the platform. Then you can access and manage the device in the WAN.

Controlling PTZ Cameras

PTZ is a mechanical platform that carries a camera and a protective cover and performs overall control remotely. A PTZ can move in both horizontal and vertical direction to provide all-around view to the camera.

NOTE

Before operating PTZ, please assure the network connection between PTZ and the Device.

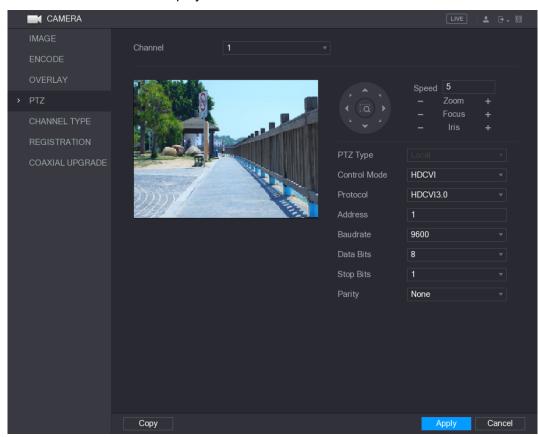
Configuring PTZ Connection Settings

You need to configure the PTZ connection settings before use.

- Local connection: RS485 Port for connecting Speed Dome or coaxial cable for connecting coaxial camera.
- Remote connection: local area network.

Step 1 Select Main Menu > CAMERA > PTZ.

The PTZ interface is displayed.



Step 2 Configure the settings for the PTZ connection parameters.

Parameter	Description	
Channel	In the Channel list, select the channel that you want to connect the PTZ	
Channel	camera to.	
	Local: Connect through RS485 port or coaxial cable.	
PTZ Type	Remote: Connect through network by adding IP address of PTZ	
	camera to the Device.	

Parameter	Description
Control Mode	In the Control Mode list, select Serial or HDCVI. For HDCVI series
	product, please select HDCVI. The control signal is sent to the PTZ
	through the coaxial cable. For the serial mode, the control signal is sent
	to the PTZ through the RS485 port.
Protocol	In the Protocol list, select the protocol for the PTZ camera, for example,
	select HDCVI3.0.
Address	In the Address box, enter the address for PTZ camera. The default is 1.
	NOTE
	The entered address must be the same with the address configured on
	the PTZ camera; otherwise the PTZ camera cannot be controlled from
	the Device.
Baudrate	In the Baudrate list, select the baudrate for the PTZ camera. The default
	is 9600.
Data Bits	The default is 8.
Stop Bits	The default is 1.
Parity	The default is NONE.

Step 3 Click **Apply** to save the settings.

NOTE

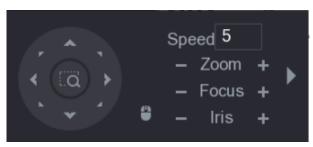
Click **Copy** to copy the settings to other channels.

Working with PTZ Control Panel

PTZ control panel performs the operations such as directing camera in eight directions, adjusting zoom, focus and iris settings, and quick positioning.

Basic PTZ Control Panel

Right-click on the live view screen and then select PTZ. The PTZ control panel is displayed.



NOTE

The functions with buttons in gray are not supported by the system

THE IUNCUOUS V	The functions with buttons in gray are not supported by the system.		
Parameter	Description		
Speed	Controls the movement speed. The bigger the value is, the faster the		
	movement will be.		
Zoom	: Wide angle.		
	: Long shot.		
Focus	: Zoom in.		
	: Zoom out.		
Iris	: Small.		
	+: Large.		
PTZ movement	Supports eight directions.		
	Fast positioning button.		
(E)	Positioning: Click to enter the fast positioning screen, and		
	then click anywhere on the live view screen, the PTZ will turn to this point and move it to the middle of the screen.		
	Zooming: On the fast positioning screen, drag to draw a square on		
	the view. The square supports zooming.		
	◇ Dragging upward is to zoom out, and dragging downward is		
	to zoom in.		
	♦ The smaller the square, the larger the zoom effect.		
	NOTE		
	Not all models support this function and can only be controlled through		
	mouse operations.		

Parameter	Description
•	Click you can control the four directions (left, right, up, and down) PTZ movement through mouse operation.
•	Click to open the expanded PTZ control panel.

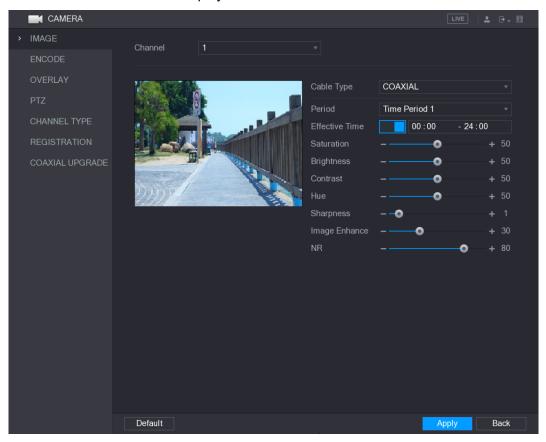
Configuring Camera Settings

Configuring Image Settings

You can configure the image settings such as saturation, contrast, brightness, sharpness for each connected camera.

Step 1 Select Main Menu > CAMERA > IMAGE.

The **IMAGE** interface is displayed.



<u>Step 2</u> Configure the settings for the image parameters.

On the digital channel interface, click **More Setting** to display more parameters.

Parameter	Description
Channel	In the Channel list, select the channel that you want to configure.
Cable Type	In the Cable Type list, select the cable type that the camera uses.
Period	In the Period list, select a time period for the image settings. The
	image settings will be only used during the selected period.

Parameter	Description
Effective Time	Enable the effective function.
	In the Effective Time box, enter the start time and end time for the
	period you selected.
Saturation	Adjusts the color shades. The bigger the value, the lighter the color
	will become. This value does not influence the general image
	lightness.
	The value ranges from 0 to 100. The default value is 50. The
	recommended range is between 40 and 60.
	Adjusts the image contrast. The bigger the value is, the more obvious
	the contrast between the light area and dark area will become. You
	can adjust this value when the contrast is not obvious. However, if the
Contrast	value is too big, the dark area is likely to become darker and the light
	area over exposed. If the value is too small, the image is likely to
	become dim.
	The value ranges from 0 to 100. The default value is 50. The
	recommended range is between 40 and 60.
	Adjusts the image brightness. The bigger the value is, the brighter the
	image will become. You can adjust this value when the image as a
Brightness	whole looks dark or bright. However, the image is likely to become
	dim if the value is too big.
	The value ranges from 0 to 100. The default value is 50. The
	recommended range is between 40 and 60.
Hue	Adjusts the hue of image. The value ranges from 0 to 100. The default value is 50.
	Adjusts the sharpness of image edge. The bigger the value is, the
Sharnness	more obvious the image edge, and the noise is also greater.
Sharpness	The value ranges from 1 to 15. The default value is 1.
	Adjusts the image definition. The bigger the value is, the clearer the
Image Enhance	image will become, but there will be more noises.
	Reduces the noises from image. The bigger the value is, the better
NR	the image will become.
	In the Config File list, select Day, Night, Normal, or Switch By
	Period . The system configures the parameters correspondingly.
	 Day: Apply the configuration during daytime.
Config File	 Night: Apply the configuration during nighttime.
	Normal: Apply the configuration during day and night.
	Switch by Period: If you select this option, you need to configure
	the sunrise time and sunset time where you are located.
Mirror	Enable the function, the left and right side of the video image will be
	switched. It is disabled by default.
3D Denoise	This function specially applies to the image which frame rate is
	configured as 2 at least. It reduces the noises by making use of the
	information between two frames. The bigger the value is, the better
	the effect.

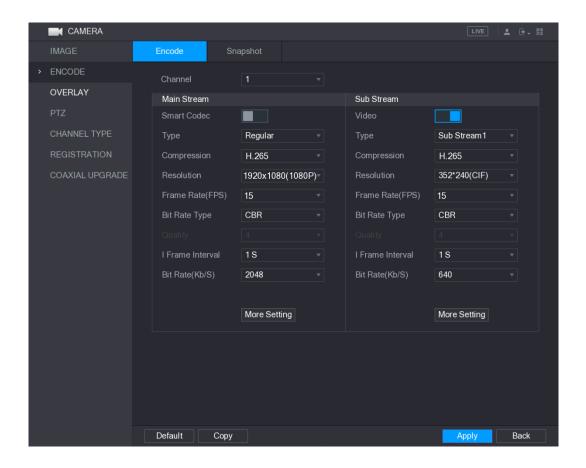
Parameter	Description		
Flip	In the Flip list, you can select 180° to change the video image display.		
Light	By default, the setting is No Flip . In the Light list, select Close or Enable to use the backlight compensation or not.		
Scene Mode	 Configure the white balance to adjust the general hue of the image. The default setting is Auto. Auto: Automatically apply white balance to different colors to make the image color display normally. Sunny: Apply the threshold value to sunny environment. Night: Apply the threshold value to night. Customized: Manually adjust the Red Gain and Blue Gain values. 		
Day & Night	 Configure the color and black&white mode of the image. This setting is not affected by the configuration files. The default setting is Auto. Color: The camera outputs color image only. Auto: Depends on the camera, such as overall brightness and whether there is an IR light, either color image or black&white image is output. B/W: The camera outputs Black and white image only. By Time: The camera outputs image according to the configure the sunrise time and sunset time. 		

Step 3 Click **Apply** to complete the settings.

Configuring Encode Settings

 $\underline{Step~1}~~Select~\textbf{Main}~\textbf{Menu} > \textbf{CAMERA} > \textbf{ENCODE} > \textbf{Encode}.$

The **Encode** interface is displayed.



Step 2 Configure the settings for the main/sub streams parameters.

Parameter	Description	
Channel	In the Channel list, select the channel that you want to configure the	
Channel	settings for.	
	Enable the smart codec function. This function can reduce the video	
Smart Codec	bit stream for non-important recorded video to maximize the storage	
	space.	
	Main Stream: In the Type list, select General, MD (Motion	
Туре	Detect), or Alarm .	
	Sub Stream: This setting is not configurable.	
	In the Compression list, select the encode mode.	
	H.265: Main profile encoding.	
	H.264H: High profile encoding. Low bit stream with high	
Compression	definition. This setting is recommended.	
	H.264: General profile encoding.	
	H.264B: Baseline profile encoding. This setting requires higher	
	bit stream compared with other settings for the same definition.	
	In the Resolution list, select resolution for the video.	
Resolution	The maximum video resolution might be different dependent on your	
	device model.	

Parameter	Description		
	Configure the frames per second for the video. The higher the value,		
	the clearer and smoother the image will become. Frame rate changes		
Frame Rate	along with the resolution.		
(FPS)	Generally, in PAL format, you can select the value from 1 through 25;		
(110)	in NTSC format, you can select the value from 1 through 30.		
	However, the specific range of frame rate that you can select		
	depends on the capability of the Device.		
Quality	This function is available if you select VBR in the Bit Rate List.		
Quality	The higher the value, the better the image will become.		
I Frame Interval	The interval between two reference frames.		
Bit Rate (Kb/S)	In the Bit Rate list, select a value or enter a customized value to		
	change the image quality. The bigger the value is, the better the		
	image will become.		
Video	Enable the function for sub stream.		
	Click More Setting, the More Setting interface is displayed.		
Audio Encode	Audio Encode: This function is enabled by default for main		
	stream. You need to manually enable it for sub stream 1. Once		
	this function is enabled, the recorded video file is composite		
	audio and video stream.		
Audio Source	Audio Source: In the Audio Source list, you can select LOCAL		
	and HDCVI.		
	♦ LOCAL: The audio signal is input from Audio input port.		
Andia Farmat	♦ HDCVI: The audio signal is input from HDCVI camera.		
Audio Format	Audio Format: In the Audio Format list, select a format that you		
	need.		

Step 3 Click **Apply** to complete the settings.

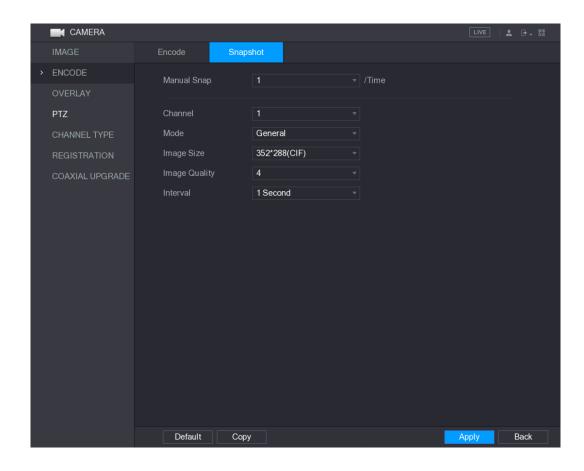
NOTE

Click Copy to copy the settings to other channels.

Configuring Snapshot Settings

Step 1 Select Main Menu > CAMERA > ENCODE > Snapshot.

The **Snapshot** interface is displayed.



Step 2 Configure the settings for the snapshot parameters.

Parameter	Description	
Manual Chan	In the Manual Snap list, select how many snapshots you want to	
Manual Snap	take each time.	
Channel	In the Channel list, select the channel that you want to configure the	
	settings for.	
Mode	In the Mode list, you can select Human Face , Event , or General as	
	the event type for which you want to take a snapshot.	
Image Size	In the Image Size list, select a value for the image.	
Image Quality	Configures the image quality by 6 levels. The higher the level, the	
	better the image will become.	
Interval	Configures or customizes the snapshot frequency.	

Step 3 Click **Apply** to complete the settings.

NOTE

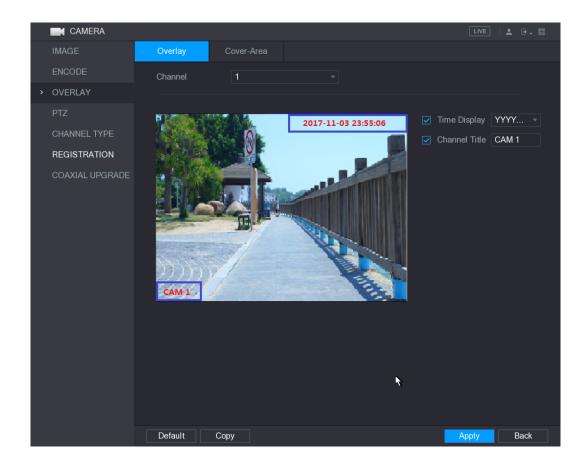
Click Copy to copy the settings to other channels.

Configuring Overlay Settings

You can configure to display system time and channel name on each channel window in the live view screen.

Step 1 Select Main Menu > CAMERA > OVERLAY > Overlay.

The **Overlay** interface is displayed.



Step 2 Configure the settings for the text overlay parameters.

Parameter	Description	
Channel	In the Channel list, select the channel that you want to configure the	
	settings for.	
Time Display	Select the Time Display check box to display the system time on	
	each channel window in the live view screen.	
	In the Time Display list, select time display style.	
Channel Title	Select the Channel Title check box to display the channel name on	
	each channel window in the live view screen.	
	In the Channel Title box, enter the name for the selected channel.	

Step 3 Click **Apply** to complete the settings.

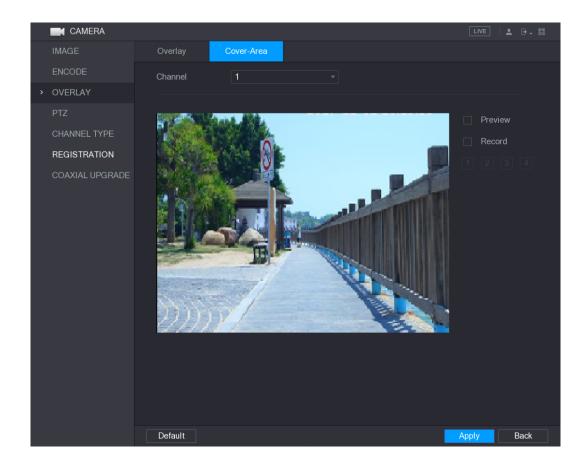
NOTE

Click Copy to copy the settings to other channels.

Configuring Covered Area Settings

Step 1 Select Main Menu > CAMERA > OVERLAY > Cover-Area.

The Cover-Area interface is displayed.



<u>Step 2</u> Configure the settings for the covered area parameters.

Parameter	Description	
Channel	In the Channel list, select the channel that you want to configure the settings for.	
Preview	 Preview: Select the Preview check box to apply the configured covered block to the selected channel window in the live view screen. Record: Select the Record check box to apply the configured 	
Record	 covered block to the selected channel window during recording. To configure covering block, do the following: Select the Preview check box or the Record check box, or select the both. The "1, 2, 3, 4" buttons are activated. Click the buttons to select blocks. A triangle solid black block is displayed. You can drag the block to the area that you want to cover and adjust the size of the block. You can configure total 4 covered blocks. 	

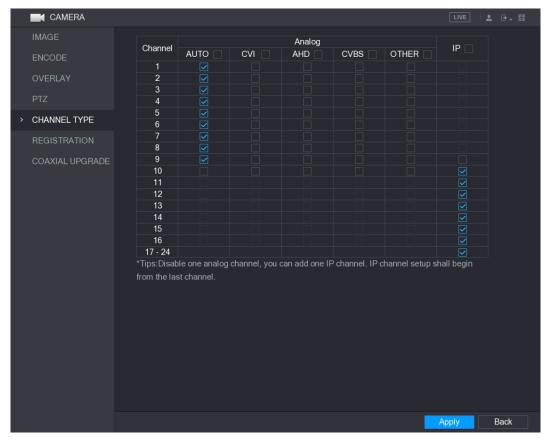
Step 3 Click **Apply** to complete the settings.

Configuring Channel Type

You can configure the channel type as **Analog** or **IP** channel.

Step 1 Select Main Menu > CAMERA > CHANNEL TYPE.

The **CHANNEL TYPE** interface is displayed.



Step 2 Configure the channels.

- Analog Channel: Select the transmission medium such as CVI, CVBS, and then follow the onscreen instructions to complete the settings.
- IP Channel: Select a channel for IP camera from the last channel number, for example, in Error! Reference source not found., select from the 17–24 check box. Then follow the onscreen instructions to complete the settings.

NOTE

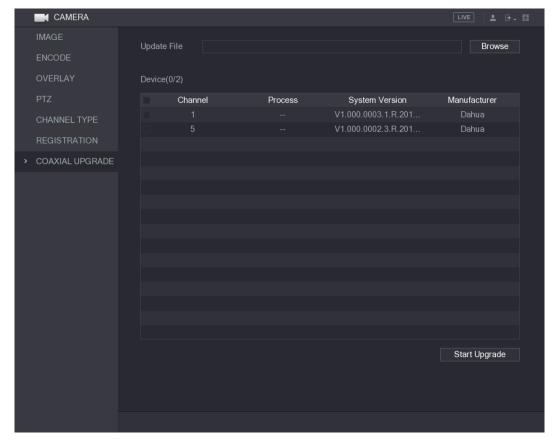
- The 17–24 channels are only for IP camera and the range changes dependent on the model you purchased.
- The channel selection for analog camera or IP camera are in sequence, for example, if you want to select channels for IP camera, you need to select the 17–24 check box first, and then you cannot jump to select the channel 15 directly until you have selected the channel 16.

Step 3 Click **Apply** and follow the onscreen instructions to complete the settings.

Upgrading Coaxial Camera

<u>Step 1</u> Select **Main Menu > CAMERA > COAXIAL UPGRADE**.

The **COAXIAL UPGRADE** interface is displayed.



Step 2 Click Browse.

The **Browse** interface is displayed.

Step 3 Select the upgrade file and click **OK**.

The **COAXIAL UPGRADE** interface is displayed.

NOTE

You need to insert the USB storage device that contains the upgrading files.

<u>Step 4</u> Select the check box of the channel that you want to upgrade.

Step 5 Click Start Upgrade.

If the upgrading is successful, the system pops up a message indicating the upgrading is completed. If the upgrading is failed, please check if the Device

Configuring Remote Devices

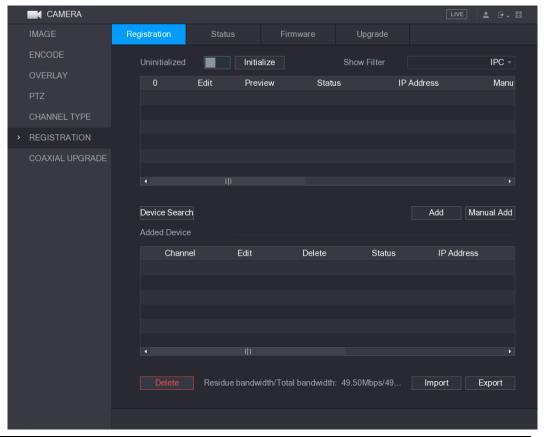
Adding Remote Devices

NOTE

This function is available after you have configured the channel type as IP channel as described in previous section.

You can add remote devices by adding the IP address.

Select Main Menu > CAMERA > REGISTRATION > Registration, the Registration interface is displayed.



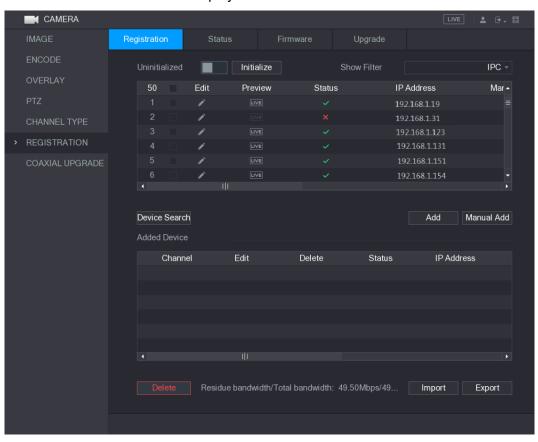
Parameter	Description	
Uninitialized	Enable the Uninitialized function, the uninitialized devices out of the	
	searched devices are displayed in the searched device list.	
Initialize	Select the uninitialized device from the uninitialized device list, and	
IIIIdii26	the click Initialize to start initializing device.	
	In the Show Filter list, select the remote device type that you want to	
	display in the searched device list.	
	None: Display all types of devices.	
Show Filter	IPC: Display the front-end devices.	
	DVR: Display all storage devices such as NVR, DVR and HCVR.	
	OTHER: Display the devices that do not belong to IPC or DVR	
	type.	
Searched Device	Displays the searched devices. You can view the device information	
List	such as status, IP address.	
	Click Device Search , the searched devices display in the searched device list.	
	To adjust the display sequence, in the title line, you can click the IP	
	address, Manufacturer, Type, MAC Address, Port, or Device Name	
Device Search	text. For example, click the IP address text, the sequence icon	
	IP Address is displayed.	
	₩ NOTE	
	"*" is displayed next to the added device.	
Add	In the Searched Device List area, select the device that you want to	
Auu	add.	

Parameter	Description	
Manual Add	Add the device by manually configuring settings such as IP address,	
	channel selection.	
Added Device	Displays the added devices. You can edit and delete the device, and	
List	view the device information.	
Delete	Select the check box of the added device, and then click Delete to	
	delete the added device.	
Import	Select the searched devices and then click Import to import the	
	devices in batches.	
Export	Select the added devices and then click Export . The exported	
	devices information is saved into the USB storage device.	

Initializing Remote Devices

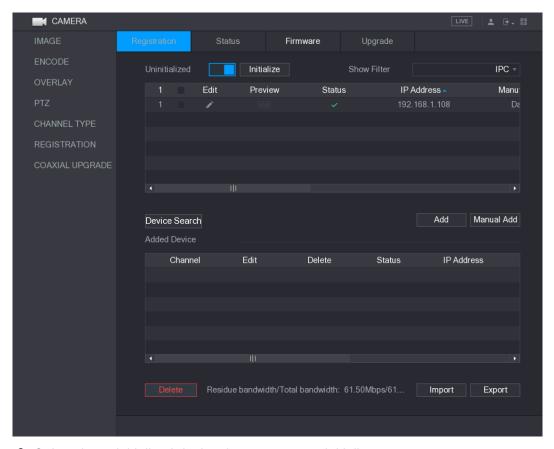
You can reset the password and IP address of the remote devices through initializing. Step 1 Click **Device Search**.

The searched devices are displayed in the table.



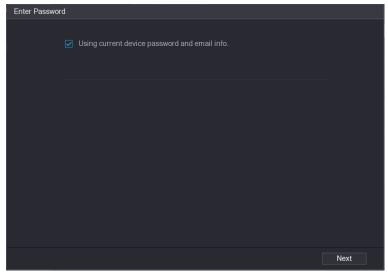
Step 2 Enable the Initialized function.

The uninitialized devices are displayed.



- Step 3 Select the uninitialized device that you want to initialize.
- Step 4 Click Initialize.

The **Enter Password** interface is displayed.



Step 5 Configure the password and email information.

NOTE

If you select the **Using current device password and email info** check box, the remote device automatically uses the current password and email information, so you do not need to set the password and email address again and can go to Step 6.

Clear the Using current device password and email info check box.
 The password setting interface is displayed.

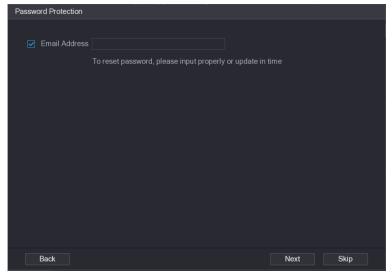
Enter Passwo	rd	
	Using current de	vice password and email info.
	User	admin
	Password	
		Use a password that has 8 to 32 characters, it can be a combination of letter(s), number(s) and symbol(s) with at least two kinds of them.(please do not use special symbols like '";: 8)
	Confirm Password	
		Next

2) Configure the settings for the password setting parameters.

Parameter	Description	
User	The default is admin.	
Password	The new password can be set from 8 characters through 32	
Confirm Password	characters and contains at least two types from number, letter and special characters (excluding"", ";", ";", ":" and "&").	
	Please enter a strong password according to the password strength bar indication.	

3) Click Next.

The **Password Protection** interface is displayed.



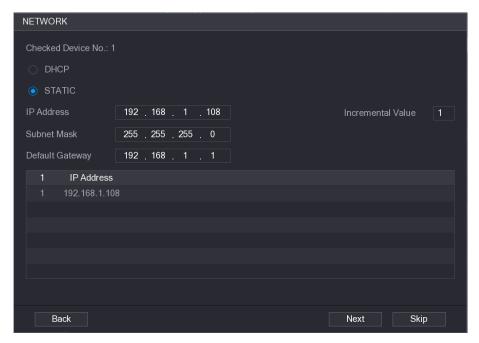
4) Select the **Email Address** box and enter the email address that you want to reserve for password reset in the future.

NOTE

If you do not want to set the reserved email address, click **Skip**.

Step 6 Click Next.

The **NETWORK** interface is displayed.



Step 7 Configure the IP address.

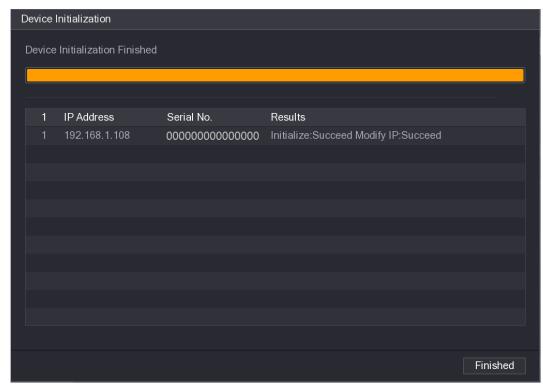
- Select the DHCP check box, you do not need to enter the IP address information, because the system will allocate one IP address to the remote device.
- Select the STATIC check box, you need to enter the IP address, subnet mast, default gateway, and incremental value. The system will allocate the IP address to the remote devices by progressively increasing the last part of the IP address when initializing devices in batches.

NOTE

When configuring IP address for multiple remote devices which were not in the same network segment, these remote devices will belong to the same network segment after configuration.

Step 8 Click Next.

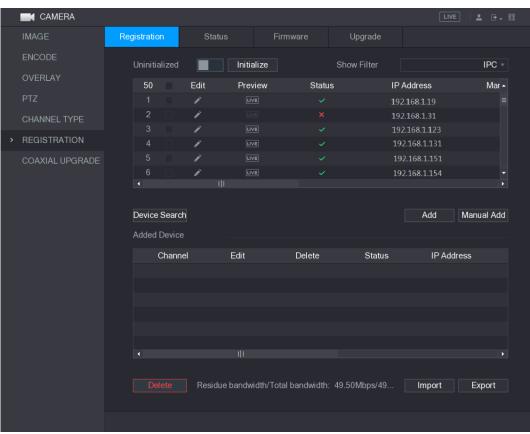
The initializing is started. After the process is completed,



Step 9 Click **Finished** to complete the settings.

Adding Remote Devices Automatically

<u>Step 1</u> On the **Registration** interface, click **Device Search**The searched devices are displayed.



Step 2 Select the check box of the device.

Step 3 Click Add.

The device is added into the **Added Device** area.

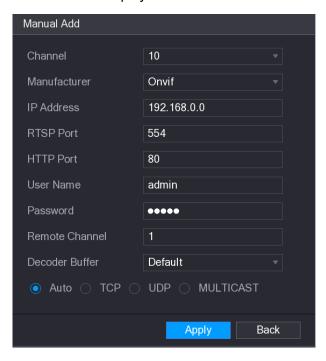
NOTE

- You can also double-click the device to add it into the **Added Device** area.
- You can add devices in batches.

Adding Remote Devices Manually

Step 1 On the **Registration** interface, click **Manual Add**.

The Manual Add interface is displayed.



Step 2 Configure the settings for the manual adding device parameters.

Step 2 Configure the settings for the manual adding device parameters.		
Parameter	Description	
Channel	In the Channel list, select the channel that you want use on the	
	Device to connect the remote device.	
Manufacturer	In the Manufacturer list, select the manufacturer of the remote	
Manufacturer	device.	
	In the IP Address box, enter the IP address of remote device.	
IP Address	NOTE NOTE	
	The default is 192.168.0.0 which the system cannot connect to.	
RTSP Port	The default value setting is 554. You can enter the value according to	
	your actual situation.	
	The default value setting is 80. You can enter the value according to	
HTTP Port	your actual situation.	
HITP POIL	If you enter other value, for example, 70, and then you should enter	
	70 after the IP address when logging in the Device by browser.	
User Name	Enter the user name of the remote device.	
Password	Enter the password of the user for the remote device	
Pomoto Channel	Enter the remote channel number of the remote device that you want	
Remote Channel	to add.	
Decoder Buffer	In the Decoder Buffer list, select Default, Realtime, or Fluent.	

Parameter	Description
Protocol Type	Select Auto, TCP, UDP, or MULTICAST. The default is TCP.

Step 3 Click Apply to save the settings.

₩ NOTE

- Only one device can be added manually at one time.
- indicates successful connection and indicates connection failed.

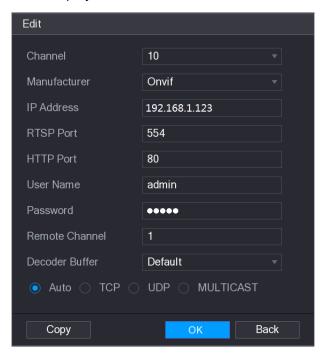
Modifying or Deleting Remote Devices

You can modify and delete the added devices.

• To modify the remote devices, do the following:

Step 1 Click or double-click a device.

The **Edit** interface is displayed.



Step 2 In the Channel list, select the channel that you want to modify settings for.

Step 3 Click **OK** to save the settings.

M NOTE

Click **Copy** to copy the user name and password to other channels.

- To delete one or more added devices, do the following:
 - ♦ Click to delete one device
 - ♦ Select the check box of the devices that you want to delete, and then click **Delete**.

Modifying IP Address

You can modify a single IP address or multiple IP addresses of remote devices at the one time.

• To modify a single IP address, do the following:

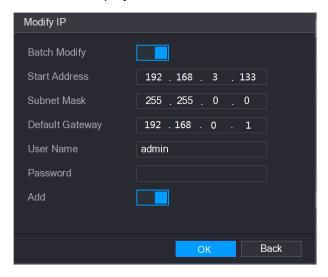
Step 1 In the Searched Device list area, click for the device that you want to modify IP.

The Modify IP interface is displayed.



- Step 2 Configure the settings for IP address, subnet mask, default gateway, user name, and password.
- Step 3 Enable the Add function to add the device into the Added Device area.
- Step 4 Click **OK** to save the settings.
- To modify IP address in batches, do the following:
 - <u>Step 1</u> In the Searched Device list area, select the devices that you want to modify IP address in batches.
 - Step 2 Click

The **Modify IP** interface is displayed.



- Step 3 Enable the **Batch Modify** function.
- <u>Step 4</u> Configure the settings for start IP address (the IP address is allocated in sequence), subnet mask, default gateway, user name, and password.
- Step 5 Enable the **Add** function to add the devices into the **Added Device** area.
- Step 6 Click **Apply** to save the settings.

Exporting IP Address

You can export the added IP address to the USB storage device.

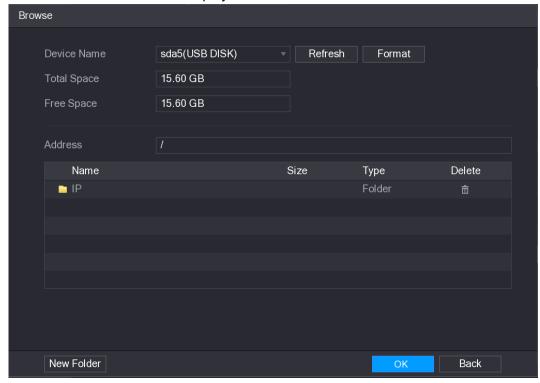
NOTE

The exported information is saved in .csv file, which includes IP address, port number, channel number, manufacturer, user name, and password.

Step 1 Insert the USB storage device to the USB port of the Device.

Step 2 Click Export.

The **Browse** interface is displayed.



Step 3 Configure the save path.

Step 4 Click **OK** to save the settings.

A pop-up message indicating "Successfully exported" is displayed.

Step 5 Click OK.

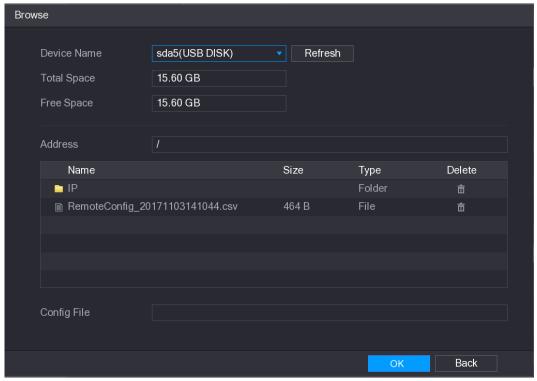
Importing IP Address

You can add remote devices by importing IP address information.

Step 1 Insert the USB storage device to the USB port of the Device.

Step 2 Click Import.

The **Browse** interface is displayed.



Step 3 Select the file that you want to import.

Step 4 Click **OK** to start importing.

After importing is completed, a pop-up message indicating "The import succeeded" is displayed.

₩ NOTE

If the IP address that you want to import already exists in the Device, the system will pop up a message to ask you whether to overwrite the existing content.

- Click **OK** to replace the existing one.
- Click Cancel to add it as a separate device in the Added Device area.



- You can edit the exported .csv file and be cautious not to change the file format; otherwise the file cannot be imported as it will be judged as invalid.
- The language of .csv file must match the Device language.
- The import and export through customized protocol is not supported.

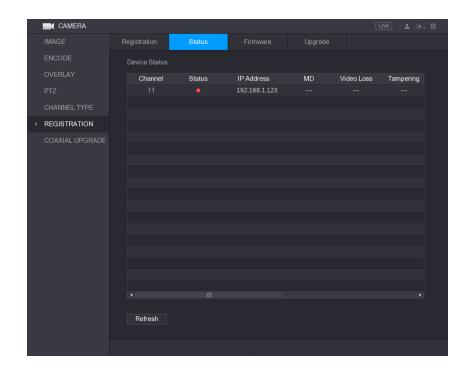
Managing Remote Devices

You can view the status of remote devices and upgrade.

Viewing Status

You can view the device information such as connection status, IP address, motion detection, video loss detection, camera name, and manufacturer.

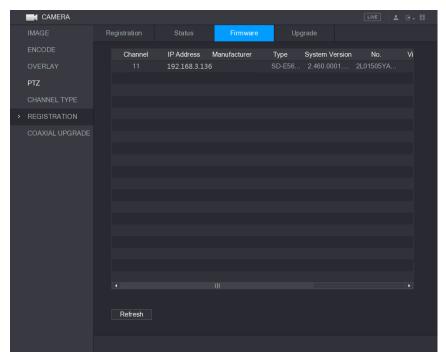
Select Main Menu > CAMERA > REGISTRATION > Status, the Status interface is displayed.



Viewing Firmware Information

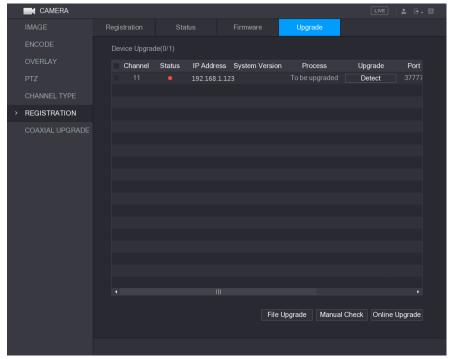
You can view the device firmware information such as channel number, IP address, manufacturer, system version, video input, audio input, and alarm in.

Select Main Menu > CAMERA > REGISTRATION > Firmware, the Firmware interface is displayed.



Upgrading Remote Devices

<u>Step 1</u> Select **Main Menu > CAMERA > REGISTRATION > Upgrade**. The **Upgrade** interface is displayed.



Step 2 Upgrade the device.

- File Upgrade
- 1) Insert a USB storage device containing the upgrade files into the USB port of the Device.
- 2) Select the devices that you want to upgrade.
- 3) Click File upgrade.
 - The **File Upgrade** interface is displayed.
- 4) Select the upgrading files and click Apply.
- Online Upgrade
- Click **Detect** or select the check box the device that you want to upgrade and click Manual Check.

The system starts detecting if there is a new version on the online server.

- 2) Select the check box of all the devices that have new version.
- 3) Click Online Upgrade.
- NOTE
- The system will pop up a message to indicate if the upgrading is successful.
- You can use the Type list to filter the devices so that you can find the devices quickly.

Configuring Record Settings

You can record video manually or automatically and configure the recording settings to main stream and sub stream respectively.

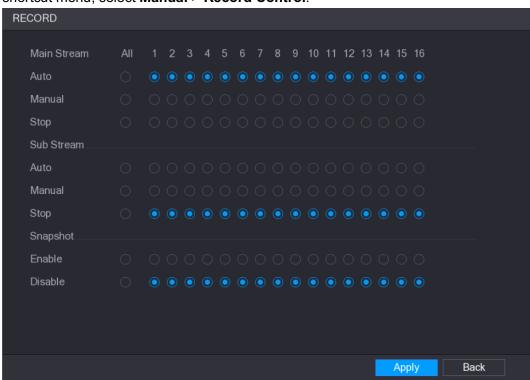
Enabling Record Control



- Manual recording operation requires the user have the permission to access STORAGE settings.
- Check to ensure the HDD installed in the Device has been formatted properly.

To enter the record control interface, do the following:

<u>Step 1</u> Right-click on the live view screen, the shortcut menu is displayed. On the shortcut menu, select **Manual > Record Control**.



Step 2 Configure the settings for the record control parameters.

Parameter	Description
Channel	Displays all the analog channels and the connected digital channels.
	You can select a single channel or select All.
Record status	Auto: Automatically record according to the record type and
	recording time as configured in the recording schedule.
	Manual: Keep general recording for 24 hours for the selected
	channel.
	Stop: Do not record.
Spanshot status	Enable or disable the scheduled snapshot for the corresponding
Snapshot status	channels.

Step 3 Click Apply.

Configuring Recorded Video Storage Schedule

You need to configure the storage schedule for the recorded video so that the recorded video can be saved.

Configuring Snapshot Settings

Configuring Snapshot Trigger

The snapshot is divided into scheduled snapshot, event triggered snapshot, and face detection triggered snapshot. When the both are enabled, the event triggered snapshot has the priority.

- If there is no alarm event, the system performs scheduled snapshot.
- If there is any alarm event, the system performs event triggered snapshot.

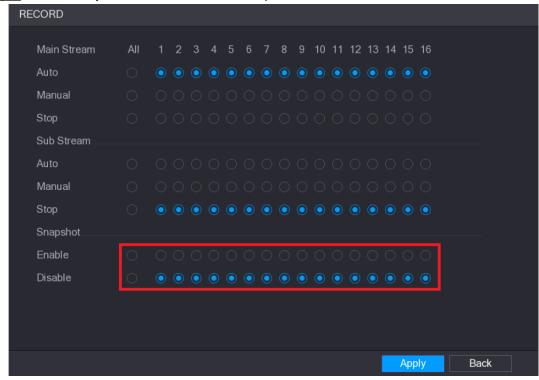
Configuring Scheduled Snapshot

<u>Step 1</u> Right-click on the live view screen, the shortcut menu is displayed.

<u>Step 2</u> On the shortcut menu, select **Manual > Record Control**.

The **RECORD** interface is displayed.

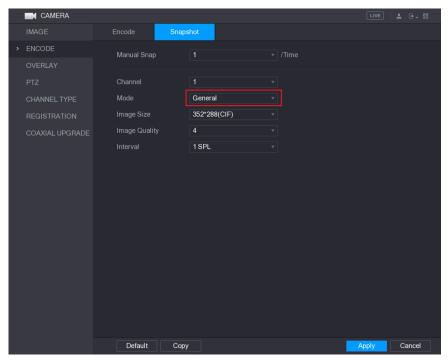
Step 3 In the Snapshot area, enable the snapshot for the channels if needed.



Step 4 Select Main Menu > CAMERA > ENCODE > Snapshot.

The **Snapshot** interface is displayed.

<u>Step 5</u> In the **Mode** list, select **General**, and then configure other parameters.



Step 6 Click **Apply** to save the settings.

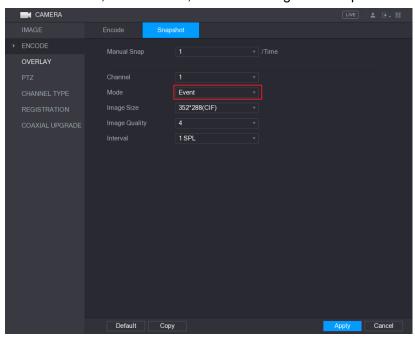
 If you have configured the snapshot schedule, the configuration has been completed.

Configuring Event Triggered Snapshot

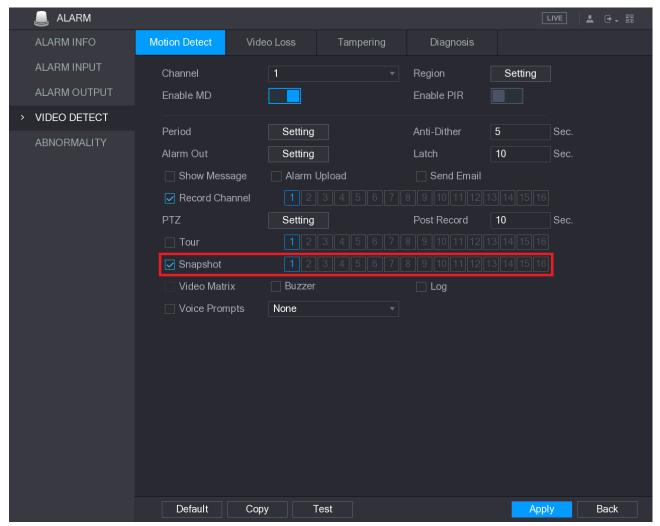
Step 1 Select Main Menu > CAMERA > ENCODE > Snapshot.

The **Snapshot** interface is displayed.

<u>Step 2</u> In the **Mode** list, select **Event**, and then configure other parameters.



<u>Step 1</u> Select **Main Menu > ALARM > VIDEO DETECT**, and select the event type to configure, for example, select the **Motion Detect** tab.



Step 2 Select the **Snapshot** check box and select the corresponding channel.

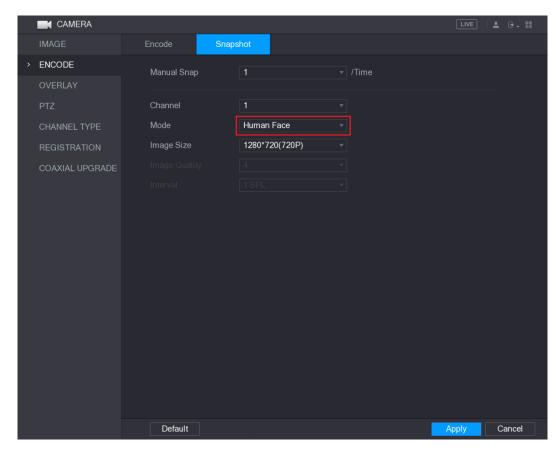
Step 3 Click Apply.

Configuring Face Detection Triggered Snapshot

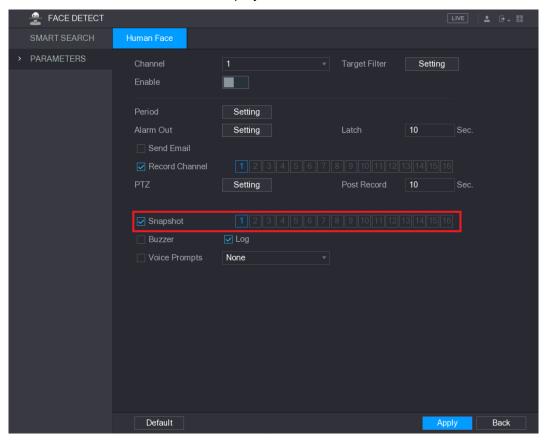
Step 1 Select Main Menu > CAMERA > ENCODE > Snapshot.

The **Snapshot** interface is displayed.

Step 2 In the **Mode** list, select **Human Face**, and then configure other parameters.



<u>Step 3</u> Select **Main Menu > FACE DETECT > PARAMETERS > Human Face**. The **Human Face** interface is displayed.



Step 4 Select the Snapshot check box and select the corresponding channel.Step 5 Click Apply.

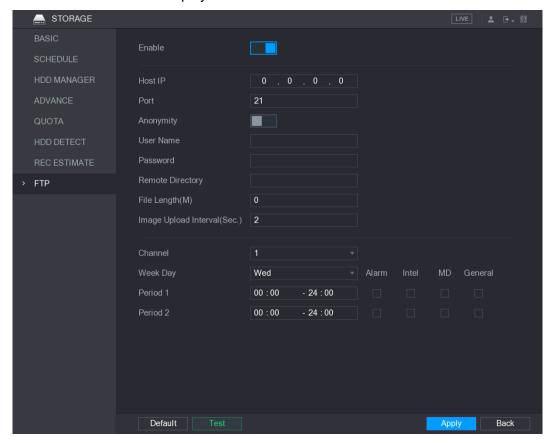
Configuring Snapshot Storage Schedule

You need to configure the storage schedule for the snapshot so that the snapshot can be saved.

Backing up Snapshots to FTP

Step 1 Select Main Menu > STORAGE > FTP.

The **FTP** interface is displayed.



Step 2 Enable the FTP function and configure the parameters."

The snapshots will be uploaded to FTP for backup.

Playing Back Video

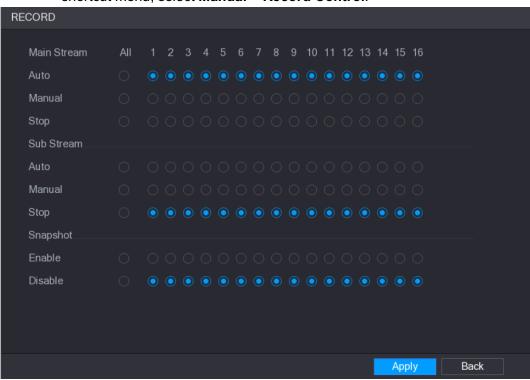
Enabling Record Control



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- Check to ensure the HDD installed in the Device has been formatted properly.

To enter the record control interface, do the following:

<u>Step 1</u> Right-click on the live view screen, the shortcut menu is displayed. On the shortcut menu, select **Manual > Record Control**.



Step 2 Configure the settings for the record control parameters.

Parameter	Description
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	You can select a single channel or select All.
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	recording time as configured in the recording schedule.
	Manual: Keep general recording for 24 hours for the selected
	channel.
	Stop: Do not record.
Spanshot status	Enable or disable the scheduled snapshot for the corresponding
Snapshot status	channels.

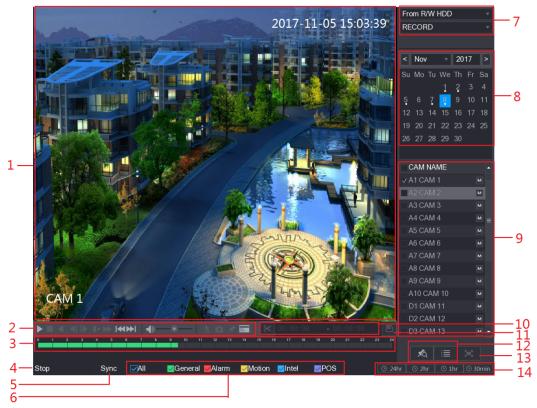
Instant Playback

You can use the instant playback function to play back the previous five minutes to sixty minutes of the recorded video in any channel.

Main Interface of Video Playback

You can search for and play back the recorded video saved on the Device.

Select Main Menu > VIDEO, the video search interface is displayed.



No.	Function	Description
1	Display Window	Display the searched recorded video or picture. It supports playing in single-channel, 4-channel and 9-channel NOTE When playing back in a single channel mode, hold down the left mouse button to select the area that you want to enlarge. The area is enlarged after the left mouse button is released. To exit the enlarged status, right-click on the image.
2	Playback Controls Bar	Playback control buttons.
3	Time Bar	 Display the type and time period of the current recorded video. In the 4-channel layout, there are four time bars are displayed; in the other view layouts, only one time bar is displayed. Click on the colored area to start playback from a certain time. In the situation when you are configuring the settings, rotate the wheel button on the time bar, the time bar is zooming in from 0. In the situation when playback is ongoing, rotate the wheel button on the time bar, the time bar is zooming from the time point where the playback is located. Time bar colors: Green indicates general type; Red indicates external alarm; Yellow indicates motion detection; Blue indicates intelligent events; Purple indicates POS events. For some models, when you are clicking on the blank area in the time bar, the system automatically jumps to the next time point where there is a recorded video located.
4	Play Status	Includes two playback status: Play and Stop .

No.	Function	Description
5	5 Sync	Select the Sync check box to simultaneously play recorded videos
		of different channels in the same period in multi-channel view.
6	Record type	Select the check box to define the recording type to search for.
7	Search type	Select the content to play back: Record , PIC , Splice Playback .
8	Calendar	Click the date that you want to search, the time bar displays the
		corresponding record.
	Caloridai	The dates with record or snapshot have a small solid circle under
		the date.
9		In the CAM NAME list, select the channel(s) that you want to play
		back.
		The window split is decided by how you select the channel(s).
		For example, if you select one channel, the playback is
	View Layout and	displayed in the single-channel view; if you select two to four
	Channel	channels, the playback is displayed in the four-channel view.
	Selection	The maximum is eight channels.
		Click to switch the streams. indicates main
		stream, and indicates sub stream.
10	Video Splice	Splice a section of recorded video and save it.
11	Backup	Back up the recorded video files.
12		This area includes Mark List and File List .
		Click the Mark List button, the marked recorded video
	List Display	list is displayed. Double-click the file to start playing.
		Click the File List button, the searched recorded video
		list is displayed. You can lock the files.
13	Full Screen	Click to display in full screen. In the full screen mode, point to
		the bottom of the screen, the time bar is displayed. Right-click on
		the screen to exit full screen mode.
14	Time Bar Unit	You can select 24hr, 2hr, 1hr, or 30min as the unit of time bar. The
		time bar display changes with the setting.

Introducing Playback Controls Bar

You can perform the operations such as control the speed of playback, add mark, and take snapshots through the playback controls bar.



Icon	Function
▶ II	Play/Pause.
,	During playing back, you can switch between play and pause.

Icon	Function
	Stop.
	During playing back, you can click the Stop button to stop playback.
	Play Backward.
	During playing back, click the Play Backward button to
∢ II	backward play the recorded video, the button switches to
	click to stop playing backward.
	During playing back, click to start playing forward.
	Previous Frame/Next Frame.
41.15	When the playback is paused, click or click to play
	single-frame recorded video.
,	When playing back single-frame recorded video, click to
	start playing forward.
	Slow Playback.
	During playing back, click to set the speed of slow
D.	
	playback as SlowX1/2, SlowX1/4, SlowX1/8, or SlowX1/16.
	During fast playback, click to slow down the speed of fast
	playback.
	Fast Playback.
	During playing back, click to set the speed of fast playback
	as FastX2, FastX4, FastX8, or FastX16.
	During slow playback, click to speed up slow playback.
	Previous Day/Next Day.
 	Click or click to play the previous day or next day of the
	current recorded video.
4)— 0	Adjust volume of playback.
*	Smart Search.
ā	In the full screen mode, click to take a snapshot and save into
	the USB storage device or mobile HDD.
*	Add Mark for the recorded view.

Selecting Search Type

You can search the recorded videos, splice, or snapshots from HDD or external storage device.

• From R/W HDD: Recorded videos or snapshots playback from HDD of the Device.



From I/O Device: Recorded videos playback from external storage device.
 Click Browse, select the save path of recorded video file that you want to play. Double-click the video file or click to start playing.



Clipping Recorded Video

During playback, clip sections of recorded video and save to the USB storage device.



Step 1 Select a recorded video that you want to play.

- Click to start playing from the beginning.
- Double-click anywhere in the time bar colored area to start playback.
- Step 2 Click on the time bar to select the start time, and then click to start clipping.
- Step 3 Click on the time bar to select the start time, and then click to stop clipping.



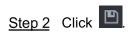
The **BACKUP** dialog box is displayed. You can back up the files.

- MOTE
- You can clip the video of a single-channel or multiple channels.
- Maximum 1024 files can be backed up at one time.
- The files that are selected in the File List cannot be clipped.

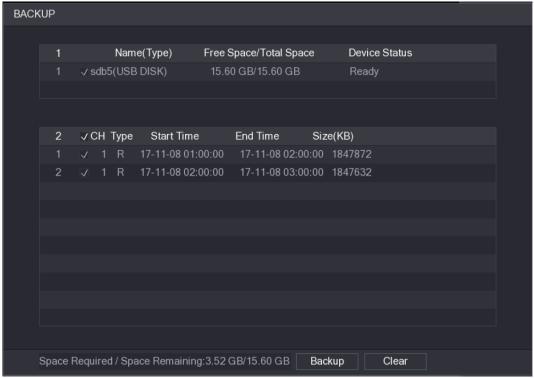
Backing up Recorded Video

You can back up the recorded video file or splice video file into the USB storage device.

- <u>Step 1</u> Select the recorded video file that you want to back up. You can select the following two types of files:
 - Recorded video file: Click , the **File List** area is displayed. Select the file(s) that you want to back up.
 - Splice video file.



The **BACKUP** dialog box is displayed.



Step 3 Click Backup.

MOTE

If you do not want to backup the file, clear the check box.

Smart Search

During playback, you can analyze a certain area to find if there was any motion detection event occurred. The system will display the images with motion events of the recorded video.

To use the Smart Search function, you need to enable the motion detection for the channel by selecting **Main Menu > ALARM > VIDEO DETECT > Motion Detect**.

To use the Smart Search function, do the following:

<u>Step 1</u> Select **Main Menu > VIDEO**, the video search interface is displayed.

Step 2 In the **CAME NAME** list, select the channel(s) that you want to play.

Step 3 Click or double-click anywhere in the time bar colored area to start playback.



The grid is displayed on the screen.

- NOTE
 - Only single-channel supports smart search.
- If multi-channels are selected, double-click on the channel window to display this channel only on the screen, and then you can start using smart search function.
- Step 5 Drag the pointer to select the searching area.
 - NOTE

The grid area supports 22×18.

Step 6 Click

The screen starts playing back the motional splices of recorded video for the selected searching area.

Step 7 Click to exit the playback.

Marking and Playing Back Video

You can mark the recording for somewhere important. Then you can easily find the marked recording by searching time and mark name.

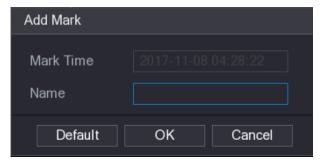
Marking a Video

<u>Step 1</u> Select **Main Menu > VIDEO**, the video search interface is displayed.

Step 2 In the playback mode, click



The Add Mark dialog box is displayed.



Step 3 In the **Name** box, enter a name.

Step 4 Click OK.

This marked video file displays in the Mark List.

Playing Back Marked Video

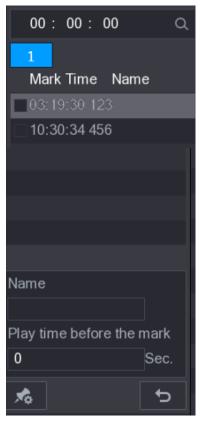
₩ NOTE

This function is supported on single-channel playback.

Step 1 In the **CAME NAME** list, select one channel.

Step 2 Click

The Mark List interface is displayed.



Step 3 Double-click the file that you want to play back.
To search the marked video by time, in the SEARCH box on the top of the interface,
enter the time, and then click
Output
Double-click the file that you want to play back.

Playing Back Time before the Mark

You can configure to play N seconds of the marked video before the marked time.

Step 1 In the **Name** box, enter the name of a marked video.

Step 2 In the Playback time before the mark box, enter N seconds.



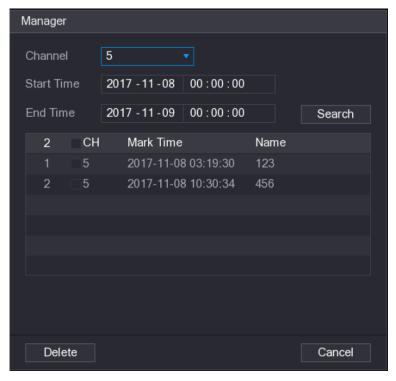
The playback starts from N seconds before the marked time.

NOTE

If there is N seconds exist before the marked time, the playback starts from N seconds before the marked time. If there is not, it plays back as much as there is.

Managing Marked Video

In the **Mark List** interface, click , the Manager interface is displayed.



- Be default, it manages all the marked videos of the selected channel.
- To search the marked video, select channel number from the **Channel** list, enter time in **Start Time** box and **End Time** box, and then click **Search**.
- All the marked videos display in time order.
- To modify the name of marked video, double-click a marked video, the Edit Mark dialog box is displayed.
- To delete the marked video, select the marked video, and then click **Delete**.



After opening the **Manger** interface, the playback will pause until exiting this interface. If the marked video that was in playing back is deleted, the playback will start from the first marked video in the **Mark List**.

Playing Back Snapshots

You can search and play back the snapshots.

Step 1 Select Main Menu > VIDEO, the video search interface is displayed.

Step 2 In the Search Type list, select PIC.

Step 3 In the Channel list, select a channel number.

Step 4 In the Calendar area, select a date.

Step 5 Click

The system starts playing snapshots according to the configured intervals.

Playing Back Splices

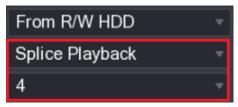
You can clip the recorded video files into splices and then play back at the same time to save your time.

NOTE

Not all models support this function.

Step 1 Select Main Menu > VIDEO, the video search interface is displayed.

Step 2 In the Search Type list, select Splice Playback; In the Split Mode list, select 4 or 9.



Step 3 In the Calendar area, select a date.

Step 4 In the **CAM NAME** list, select a channel.

NOTE

Only single-channel supports this function.

Step 5 Start playing back splices.

- Click , the playback starts from the beginning.
- Double-click anywhere on the time bar, the playback starts from where you click.



NOTE

Every recorded video file must be at least five minutes. If a recorded video file is less than 20 minutes but still choose to split into four windows, the system will automatically adjust the windows quantity to ensure every splice is more than five minutes, and in this case it is possible that there are no images are displaying in some windows.

Using the File List

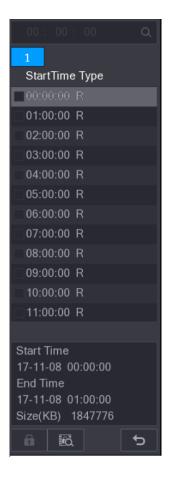
You can view all the recorded videos within a certain period from any channel in the File List.

Step 1 Select Main Menu > VIDEO, the video search interface is displayed.

Step 2 Select a channel(s).

Step 3 Click

The **File List** interface is displayed.



Step 4 Start playback.

- Click , the playback starts from the first file by default.
- Click any file, the system plays back this file.
- ₩ NOTE
 - In the time box on the top of the file list interface, you can enter the specific time to search the file that you want to view.
 - In the File List area, there are 128 files can be displayed.
 - File type: R indicates general recorded video; A indicates recorded video with external alarms; M indicates recorded video with motion detection events; I indicates recorded video with intelligent vents.
 - Click to return to the interface with calendar and CAM NAME list.

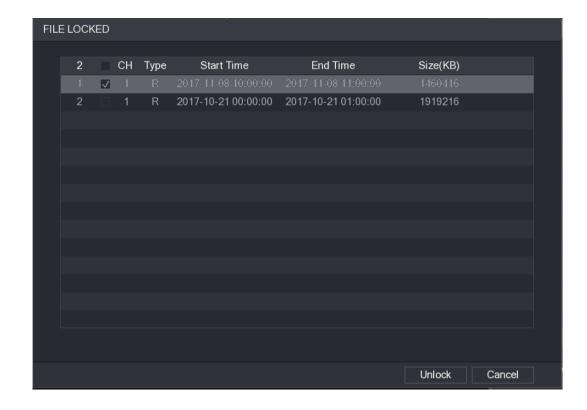
Locking and Unlocking the Recorded Video

- To lock the recorded video, in the **File List** interface, select the check box of the recorded video, and then click . The locked video will not be covered.
- To view the locked information, click the FILE LOCKED interface is displayed.

 NOTE

The recorded video that is under writing or overwriting cannot be locked.

 To unlock the recorded video, in the FILE LOCKED interface, select the video, and then click Unlock.



Alarm Events Settings

Video Detection

Video detection adopts computer vision and image processing technology. The technology analyzes the video images to detect the obvious changes such as moving objects and blurriness. The system activates alarms when such changes are detected.

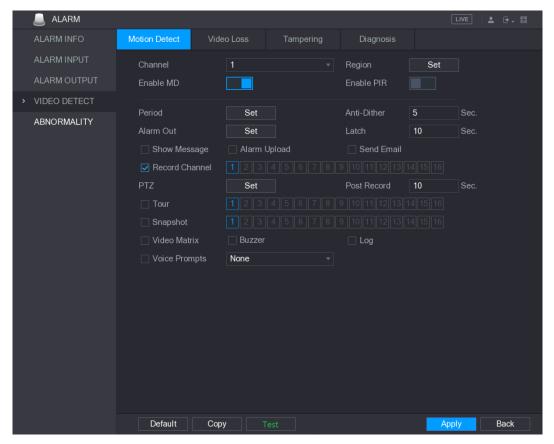
Configuring Motion Detect Settings

When the moving object appears and moves fast enough to reach the preset sensitivity value, the system activates the alarm.

To configure the motion detect settings, do the following:

Step 1 Select Main Menu > ALARM > VIDIEO DETECT > Motion Detect.

The Motion Detect interface is displayed.



Step 2 Configure the settings for the motion detection parameters.

Parameter	Description
Channel	In the Channel list, select a channel to set the motion detection.
Region	Click Setting to define the motion detection region.
Enable MD	Enable or disable the motion detection function.
	PIR function helps enhancing the accuracy and validity of motion
	detect. It can filter the meaningless alarms that are activated by
	the objects such as falling leaves, flies. The detection range by
	PIR is smaller than the field angle.
	PIR function is enabled by default if it is supported by the
	cameras. Enabling PIR function will get the motion detect to be
	enabled automatically to generate motion detection alarms; if the
E II DID	PIR function is not enabled, the motion detect just has the general
Enable PIR	effect.
	NOTE NOTE
	Only when the channel type is CVI, the PIR function can be
	enabled.
	If the camera does not support PIR function, it will be
	unusable.
	If the Device does not support PIR function, it will not be
	displayed on the interface.
Period	Define a period during which the motion detection is active.
	Configure the event detection lasting time. The system records
Anti-Dither	only one event during this period. The value ranges from 5
	seconds to 300 seconds.

Parameter	Description
Alarm Out	 Click Setting to display setting interface. General Alarm: Enable alarm activation through the alarm devices connected to the selected output port. External Alarm: Enable alarm activation through the connected alarm box. Wireless Siren: Enable alarm activation through devices connected by USB gateway or camera gateway.
Latch	Set a length of time for the Device to delay turning off alarm after the external alarm is cancelled. The value ranges from 0 seconds to 300 seconds, and the default value is 10 seconds. If you enter 0, there will be no delay.
Show Message	Select the Show Message check box to enable a pop-up message in your local host PC.
Alarm Upload	Select the Alarm Upload check box to enable the system to upload the alarm signal to the network (including alarm center) when an alarm event occurs.
Send Email	Select the Send Email check box to enable the system to send an email notification when an alarm event occurs. NOTE To use this function, make sure the email function is enabled in Main Menu > NETWORK > EMAIL .
Record Channel	Select the channel(s) that you want to record. The selected channel(s) starts recording after an alarm event occurs. NOTE The recording for motion detection and auto recording function must be enabled.
PTZ	Click Setting to display the PTZ interface. Enable PTZ activation function. For each PTZ camera, select the preset that you want to be called when an alarm event occurs. NOTE Motion Detect can only activate PTZ preset.
Post Record	Set a length of time for the Device to delay turning off recording after the alarm is cancelled. The value ranges from 10 seconds to 300 seconds, and the default value is 10 seconds.
Tour	Select the Tour check box to enable a tour of the selected channels. NOTE To use this function, make sure the tour is enabled and configured in Main Menu > DISPLAY > TOUR .

Parameter	Description	
	Select the Snapshot check box to take a snapshot of the selected	
	channel.	
	NOTE	
	To use this function, make sure the following settings are	
Snapshot	configured:	
	The snapshot function is enabled for motion detect alarms in	
	Main Menu > STORAGE > SCHEDULE > Snapshot.	
	 Select Main Menu > CAMERA > Snapshot, in the Mode list, 	
	select Event.	
	Select the check box to enable the function. When an alarm event	
	occurs, the video output port outputs the settings configured in	
Video Matrix	Main Menu > DISPLAY > TOUR.	
	NOTE	
	Not all models support this function.	
Buzzer	Select the check box to activate a buzzer noise at the Device.	
Log	Select the check box to enable the Device to record a local alarm	
	log.	
Voice Prompts	Select to enable audio broadcast/voice prompts in response to a	
Voice Prompts	motion detection event.	

Step 3 Click **Apply** to save the settings.

- MOTE
 - Click **Default** to restore the default setting.
 - Click **Copy**, in the **Copy** dialog box, select the additional channel(s) that you want to copy the motion detection settings to, and then click **Apply**.
 - Click **Test** to test the settings.

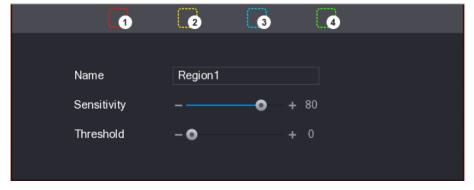
Setting the Motion Detection Region

Step 1 Next to Region, click Setting.

The region setting screen is displayed.

Step 2 Point to the middle top of the interface.

The setting interface is displayed.



Step 3 Configure the regions settings. You can configure totally four regions.

- 1) Select one region, for example, click 1
- 2) Drag on the screen to select the region that you want to detect.

 The selected area shows the color that represents the region.
- 3) Configure the parameters.

Parameter	Description
Name	Enter a name for the region.
Sensitivity	Every region of every channel has an individual sensitivity value.
	The bigger the value is, the easier the alarms can be activated.
Threshold	Adjust the threshold for motion detect. Every region of every channel
	has an individual threshold.

₩ NOTE

When anyone of the four regions activates motion detect alarm, the channel where this region belongs to will activate motion detect alarm.

Step 4 Right-click on the screen to exit the region setting interface.

<u>Step 5</u> On the **Motion Detect** interface, click **Apply** to complete the settings.

Setting Motion Detection Period

NOTE

The system only activates the alarm in the defined period.

Step 1 Next to Period, click Setting.

The **Setting** interface is displayed.

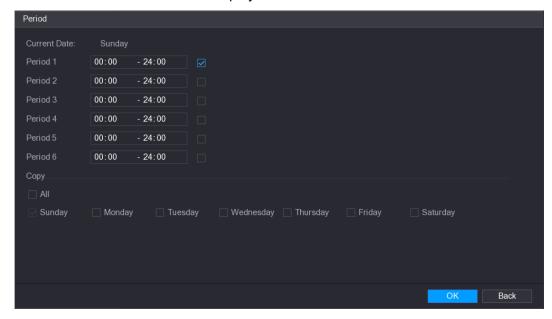


Step 2 Define the motion detection period. By default, it is active all the time.

- Define the period by drawing.
 - ♦ Define for a specified day of a week: On the timeline, click the half-hour blocks to select the active period.
 - Define for several days of a week: Click before each day, the icon switches to . On the timeline of any selected day, click the half-hour blocks to select the active periods, all the days with will take the same settings.
 - ♦ Define for all days of a week: Click All, all switches to select the active periods, all the days will take the same settings.

- Define the period by editing. Take Sunday as an example.
- 1) Click .

The **Period** interface is displayed.



- Enter the time frame for the period and select the check box to enable the settings.
 - ♦ There are six periods for you to set for each day.
 - Under Copy, select All to apply the settings to all the days of a week, or select specific day(s) that you want to apply the settings to.
- 3) Click **OK** to save the settings.

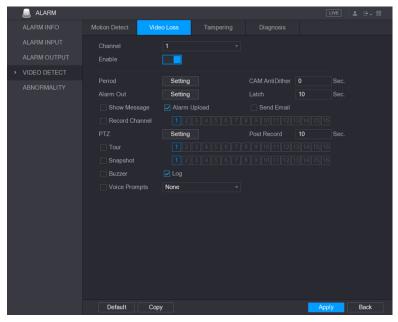
<u>Step 3</u> On the **Motion Detect** interface, click **Apply** to complete the settings.

Configuring Video Loss Settings

When the video loss occurs, the system activates the alarm. To configure the motion detect settings, do the following:

Step 1 Select Main Menu > ALARM > VIDIEO DETECT > Video Loss.

The Video Loss interface is displayed.

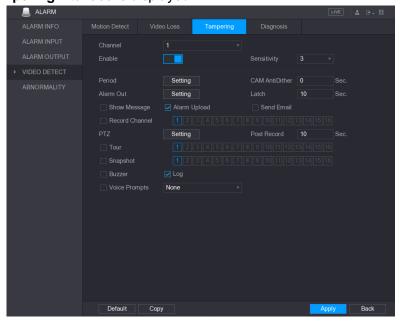


- Step 2 Configure the settings for the video loss detection parameters"
- Step 3 Click **Apply** to complete the settings.
 - M NOTE
 - Click **Default** to restore the default setting.
 - Click Copy, in the Copy dialog box, select the additional channel(s) that you
 want to copy the motion detection settings to, and then click Apply.

Configuring Tampering Settings

When the camera lens is covered, or the video is displayed in a single color because of the causes such as sunlight status, the monitoring cannot be continued normally. To avoid such situations, you can configure the tampering alarm settings.

<u>Step 1</u> Select **Main Menu > ALARM > VIDIEO DETECT > Tampering**. The **Tampering** interface is displayed.



Step 2 Configure the settings for the tampering detection

Step 3 Click **Apply** to complete the settings.

- NOTE
- Click **Default** to restore the default setting.
- Click **Copy**, in the **Copy** dialog box, select the additional channel(s) that you want to copy the motion detection settings to, and then click **Apply**.

Configuring Diagnosis Settings

M NOTE

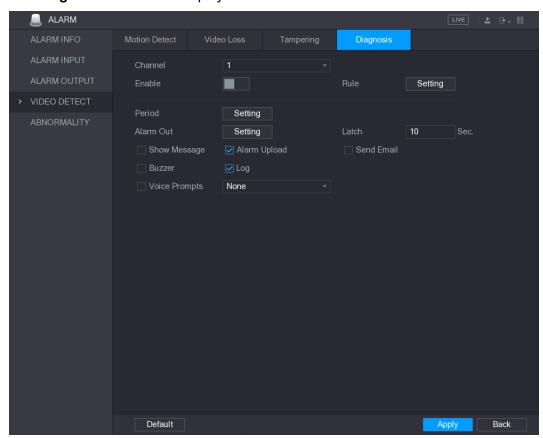
This function can be used only when it is supported by the camera.

When the video appear the conditions such as blurry, overexposed, or the color changes, the system activates the alarm.

To configure the diagnosis settings, do the following:

Step 1 Select Main Menu > ALARM > VIDIEO DETECT > Diagnosis.

The **Diagnosis** interface is displayed.



Step 2 Configure the settings for the diagnosis parameters"

Step 3 Click **Apply** to complete the settings.

₩ NOTE

Click **Default** to restore the default setting.

Setting the Types for Diagnosing Targets

Step 1 Next to Rule, click Setting.

The **Diagnosis** interface is displayed.

Diagnosis		
Stripe	□•	+ 30
Noise Color Cast	□ - - •	+ 30 + 30
Out of Focus	□ •	+ 30
Overexposure	□ •	+ 30
	Apply	Back

Step 2 Select the items that you want to diagnose and set the threshold (30 by default).

Parameter	Description
Stripe	A horizontal, vertical or diagonal stripe that might appear in the
	video because of device aging or electronic interruption. Such
	stripe brings visual interruption.
Noise	Video noises such as blurriness or quality reduction that is caused
Noise	by optical distortion or device problem during camera shooting.
Color Cast	Variances in the normal proportions of RGB colors.
	Blurry video is caused during camera shooting, transferring and
Out of Focus	processing. Such condition is a common image quality reduction
	problem and defined as out of focus.
	The video brightness refers to the intensity of image pixel. The
Overexposure	range is between 0 (the darkest black) and 255 (the brightest
	white). If the brightness exceeds the threshold, the image is over
	exposed.
Threshold	The range is from 1 through 100. If the value after diagnosing is
	higher than what you set, the system activates the alarm to the
	corresponding diagnosing types such as stripe.

Step 3 Click **OK** to save the settings.

The system returns to the **Diagnosis** interface.

Step 4 Click **Apply** to complete the settings.

NOTE

Click **Default** to restore the default setting.

IVS Function

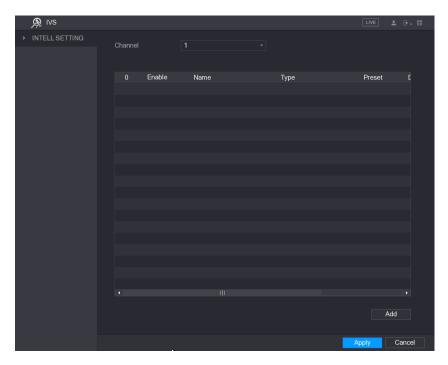
NOTE

Please disable IP channels function first before using IVS function.

IVS function processes and analyzes the images to extract the key information to match with the preset rules. When the detected behaviors match with the rules, the system activates alarms.

Step 1 Select Main Menu > IVS > INTELL SETTING.

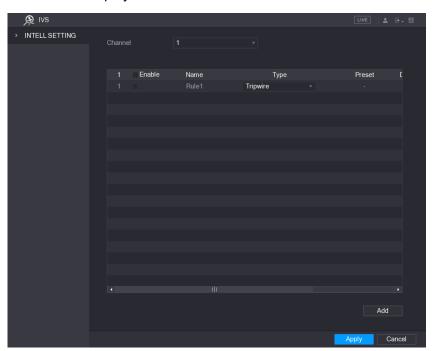
The INTELL SETTING interface is displayed.



<u>Step 2</u> In the **Channel** list, select the channel number that you want to configure the IVS function for.

Step 3 Click Add.

One line of rule is displayed.



- Step 4 Configure the parameters for the rule that you selected.
- Step 5 Select the check box of the rule to enable it.
- Step 6 Click Apply to complete the settings.

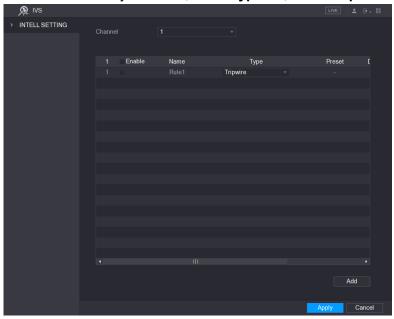
Configuring Tripwire Rules

When the target object crosses the tripwire in the defined direction, the system activates alarms.

• The tripwire can be configured as a straight line or broken line.

- Supports detecting one-way or two-way tripwire crossing.
- Supports multiple tripwires in the same scenario to meet the complexity.
- Supports size filtering for target.

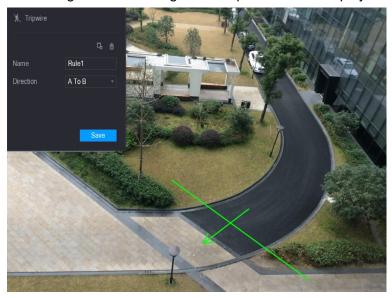
Step 1 On the rule line that you added, in the Type list, select Tripwire.



Step 2 Draw a tripwire.

- 1) In the **Channel** list, select the channel that you want to configure the rules for.
- 2) Click

The monitoring screen to configure the tripwire rules is displayed.



3) Configure the settings for the parameters of drawing rules.

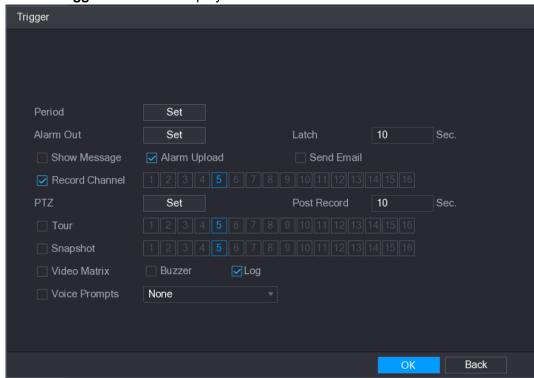
Parameter	Description
Name	Enter the customized rule name.
Direction	Set the direction of the tripwire. You can choose A to B (left to
	right), B to A (right to left), and Both .
Filtering Target	Click to draw areas to filter the target.

Parameter	Description
	You can configure two filtering targets (maximum size and
	minimum size). When the target that is crossing the tripwire is
	smaller than the minimum size or larger than the maximum size,
	no alarms will be activated. The maximum size should be larger
	than the minimum size.

- 4) Drag to draw a tripwire. The tripwire can be a straight line, broken line or polygon.
- 5) Click **Save** to save the settings.

Step 3 Click to set the actions to be triggered.

The **Trigger** interface is displayed.



Step 4 Configure the triggering parameters.

Otop 4 Cornigate the triggering parameters.		
Parameter	Description	
David	Click Set to display set interface.	
Period	Define a period during which the motion detection is active.	
	Click Setting to display setting interface.	
	General Alarm: Enable alarm activation through the alarm	
	devices connected to the selected output port.	
Alarm Out	External Alarm: Enable alarm activation through the	
	connected alarm box.	
	Wireless Siren: Enable alarm activation through devices	
	connected by USB gateway or camera gateway.	
Latch	Set a length of time for the Device to delay turning off alarm after	
	the external alarm is cancelled. The value ranges from 0 seconds	
	to 300 seconds, and the default value is 10 seconds.	
Show Message	Select the Show Message check box to enable a pop-up	
	message in your local host PC.	

Parameter	Description
Alarm Upload	Select the Alarm Upload check box to enable the system to
	upload the alarm signal to the network (including alarm center)
	when an alarm event occurs.
Send Email	Select the Send Email check box to enable the system to send an
Seria Linaii	email notification when an alarm event occurs.
Record Channel	Select the channel(s) that you want to record. The selected
Necord Charmer	channel(s) starts recording after an alarm event occurs.
	Click Set to display the PTZ interface.
PTZ	Enable PTZ activation function. For each PTZ camera, select the
	preset that you want to be called when an alarm event occurs.
	Set a length of time for the Device to delay turning off recording
Post Record	after the alarm is cancelled. The value ranges from 10 seconds to
	300 seconds, and the default value is 10 seconds.
Tour	Select the Tour check box to enable a tour of the selected
Tour	channels.
Snapshot	Select the Snapshot check box to take a snapshot of the selected
Опарэпот	channel.
	Select the check box to enable the function. When an alarm event
Video Matrix	occurs, the video output port outputs the settings configured in
	"Main Menu > Display > Tour."
Buzzer	Select the check box to activate a buzzer noise at the Device.
Log	Select the check box to enable the Device to record a local alarm
Log	log.
Voice Prompts	Select to enable audio broadcast/voice prompts in response to a
voice Prompts	motion detection event.

Step 5 Click **Apply** to save the settings.

The **INTELL SETTING** interface is displayed.

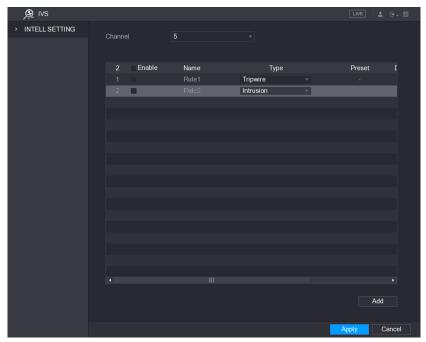
Step 6 Select the **Enable** check box, and then click **Apply**.

The tripwire detecting function is active. When the target object crosses the tripwire in the defined direction, the system activates alarms.

Configuring Intrusion Rules

When the target enters and leaves the area, or the target appears in the defined area, the system activates alarms.

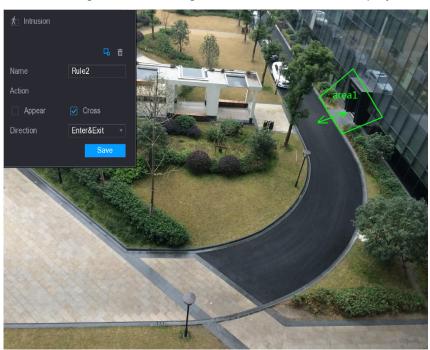
- You can define the shape and quantity of intrusion areas.
- Supports detecting the behaviors that enter and leave the intrusion areas.
- Supports detecting the behaviors that are moving in the intrusion areas. The quantity of areas and lasting time can be configured.
- Supports size filtering for target.
 - Step 1 On the rule line that you added, in the **Type** list, select **Intrusion**.



Step 2 Draw a tripwire.

- 1) In the **Channel** list, select the channel that you want to configure the rules for.
- 2) Click

The monitoring screen to configure the intrusion rules is displayed.



3) Configure the settings for the parameters of drawing rules.

Parameter	Description
Name	Enter the customized rule name.
Action	Configure the actions that are defined as intrusion. You can select
Action	the Appear check box and the Cross check box.
Direction	In the Direction list, select the direction of crossing the configured
	area. You can select Enter&Exit, Enters, and Exits.
Filtering Target	Click to draw areas to filter the target.

Parameter	Description
	NOTE
	You can configure two filtering targets (maximum size and
	minimum size). When the target that is crossing the tripwire is
	smaller than the minimum size or larger than the maximum size,
	no alarms will be activated. The maximum size should be larger
	than the minimum size.

- 4) Drag to draw an area.
- 5) Click **Save** to save the settings.
- Step 3 Click to set the actions to be triggered."
- Step 4 Select the **Enable** check box, and then click **Apply**.

The intrusion detecting function is active. When the target enters and leaves the area, or the target appears in the defined area, the system activates alarms.

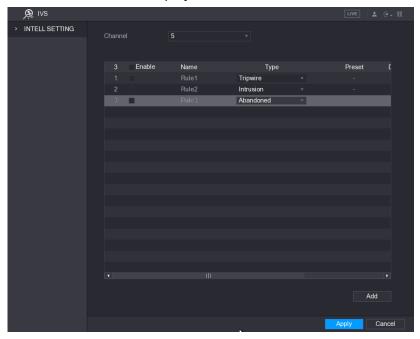
Configuring Abandoned Rules

When the object is placed in the defined detection area for more than the set time, the system activates alarms.

- You can define the shape and quantity of intrusion areas.
- Period value can be configured.
- Supports size filtering for target.

<u>Step 1</u> On the rule line that you added, in the **Type** list, select **Abandoned**.

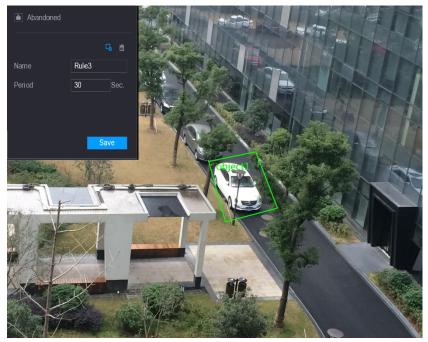
The **Abandoned** interface is displayed.



Step 2 Draw an area.

- 1) In the **Channel** list, select the channel that you want to configure the rules for.
- 2) Click

The monitoring screen to configure the abandoned rules is displayed.



3) Configure the settings for the parameters of drawing rules.

Parameter	Description
Name	Enter the customized rule name.
Pariod	Configure the minimum time period for activating alarms by
Period	detecting the abandoned objects.
Filtering Target	Click to draw areas to filter the target. NOTE You can configure two filtering targets (maximum size and minimum size). When the target that is crossing the tripwire is smaller than the minimum size or larger than the maximum size, no alarms will be activated. The maximum size should be larger than the minimum size.

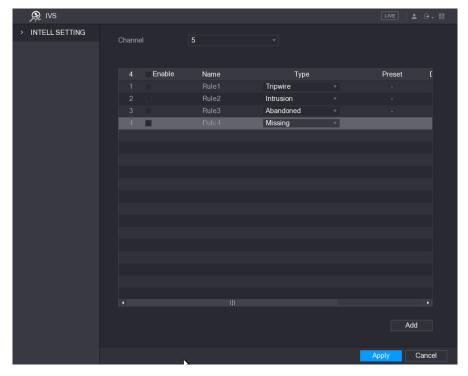
- 4) Drag to draw an area.
- 5) Click **Save** to save the settings.
- Step 3 Click to set the actions to be triggered."
- Step 4 Select the **Enable** check box, and then click **Apply**.

The abandoned object detecting function is active. When the object is placed in the defined detection area for more than the set time, the system activates alarms.

Configuring Missing Rules

When the target is taken away from the defined area exceeds the set time, the system activates alarms.

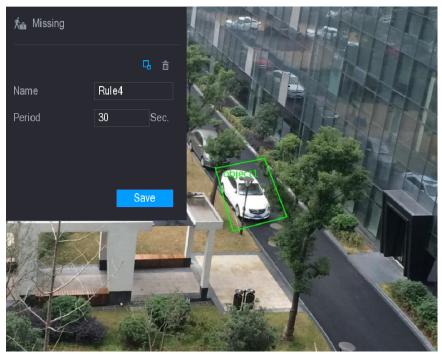
<u>Step 1</u> On the rule line that you added, in the **Type** list, select **Missing**. The **Missing** interface is displayed.



Step 2 Draw an area.

- 1) In the **Channel** list, select the channel that you want to configure the rules for.
- 2) Click

The monitoring screen to configure the missing rules is displayed.



3) Configure the settings for the parameters of drawing rules.

o, comgare are coming in an parameter or araning rance.	
Parameter	Description
Name	Enter the customized rule name.
Period	Configure the minimum time period for activating alarms by detecting the missing objects.
Filtering Target	Click to draw areas to filter the target.

Parameter	Description
	NOTE
	You can configure two filtering targets (maximum size and
	minimum size). When the target that is crossing the tripwire is
	smaller than the minimum size or larger than the maximum size,
	no alarms will be activated. The maximum size should be larger
	than the minimum size.

- 4) Drag to draw an area.
- 5) Click **Save** to save the settings.

Click to set the actions to be triggered.

Step 3 Select the **Enable** check box, and then click **Apply**.

The missing object detecting function is active. When the target is taken away from the defined area exceeds the set time, the system activates alarms.

Face Detection

You can configure the face detection settings and search the detected faces in the defined time period.

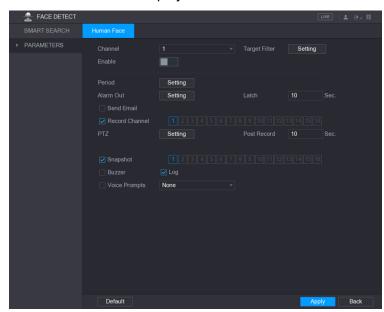
Configuring Face Detection Settings

When the Device detects the human faces, the system activates alarms.

- MOTE
- Not all models support this function.
- Smart IPC must be equipped with face detect function.

Step 1 Select **Main Menu > FACE DETECT > Parameters**.

The **Human Face** interface is displayed.



Step 2 Configure the settings for the face detection parameters.

Parameter	Description
Channel	In the Channel list, select a channel to set the face detection.

Parameter	Description
	Click Setting to draw areas to filter the target.
Target Filter	NOTE
	You can configure two filtering targets (maximum size and
	minimum size). When the target is smaller than the minimum size
	or larger than the maximum size, no alarms will be activated. The
	maximum size should be larger than the minimum size.
Enable	Enable or disable the face detection function.
Period	Define a period during which the motion detection is active.
	Click Setting to display setting interface.
	Enable alarm activation function. Select the alarm output port(s) to
Alarm Out	which the peripheral alarm devices are connected. When an alarm
	event occurs, the system activates the peripheral alarm devices
	connected to the selected output port.
	Set a length of time for the Device to delay turning off alarm after
Latab	the external alarm is cancelled. The value ranges from 0 seconds
Latch	to 300 seconds, and the default value is 10 seconds. If you enter
	0, there will be no delay.
	Select the Send Email check box to enable the system to send an
	email notification when an alarm event occurs.
Send Email	NOTE
	To use this function, make sure the email function is enabled in
	Main Menu > NETWORK > EMAIL.
	Select the channel(s) that you want to record. The selected
	channel(s) starts recording after an alarm event occurs.
Record Channel	NOTE
	The recording for intelligence event and auto recording function
	must be enabled.
	Click Setting to display the PTZ interface.
	Enable PTZ activation function. For each PTZ camera, select the
PTZ	preset that you want to be called when an alarm event occurs.
	NOTE
	Motion Detect can only activate PTZ preset.
	Set a length of time for the Device to delay turning off recording
Post Record	after the alarm is cancelled. The value ranges from 10 seconds to
	300 seconds, and the default value is 10 seconds.
	Select the Snapshot check box to take a snapshot of the selected
	channel.
Snapshot	NOTE
	To use this function, make sure the following settings are
	configured:
	The snapshot function is enabled for motion detect alarms in
	Main Menu > STORAGE > SCHEDULE > Snapshot.
	 Select Main Menu > CAMERA > ENCODE > Snapshot, in
	the Mode list, select Event .
Buzzer	Select the check box to activate a buzzer noise at the Device.

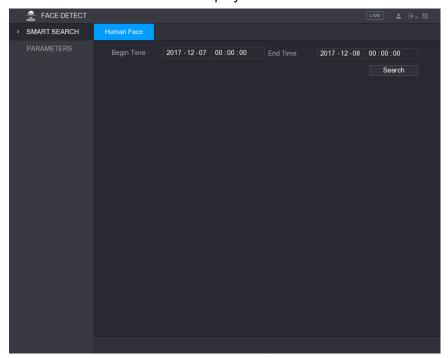
Parameter	Description
Log	Select the check box to enable the Device to record a local alarm
	log.
Voice Prompts	Select to enable audio broadcast/voice prompts in response to a
	human face detection event.

Step 3 Click **Apply** to complete the settings.

Searching for Detected Faces

Step 1 Select Main Menu > FACE DETECT > SMART SEARCH.

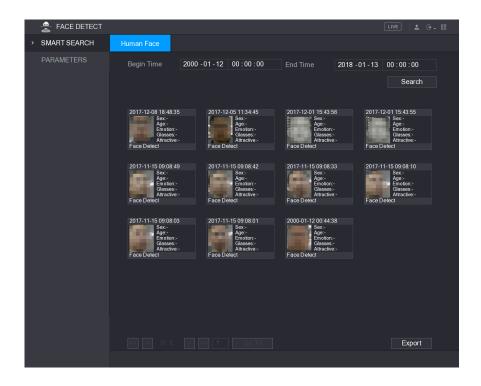
The **SMART SEARCH** interface is displayed.



Step 2 In the **Begin Time** box and **End Time** box, enter the time.

Step 3 Click Search.

The faces searched in the defined period display.



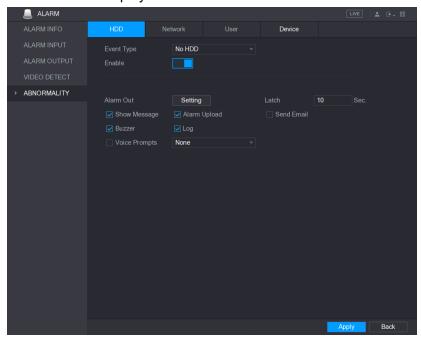
System Events

You can configure the alarm output for three types of system event (HDD, Network, and User). When there is an abnormal system event occurs, the system activates alarms in the way that you configure in this section.

Configuring HDD Event Settings

Step 1 Select Main Menu > ALARM > ABNORMITY > HDD.

The **HDD** interface is displayed.



Step 2 Configure the settings for the HDD event.

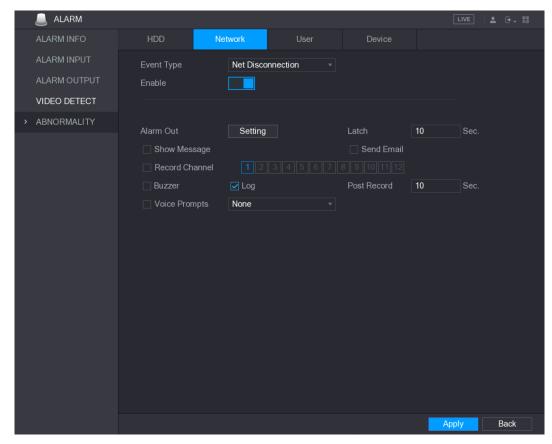
Parameter	Description
Front Tune	In the Event Type list, select No HDD, HDD Error, or HDD No Space
Event Type	as the event type.
Enable	Enable or disable the HDD event detection function.
	Click Setting to display setting interface.
	General Alarm: Enable alarm activation through the alarm devices
	connected to the selected output port.
Alarm Out	External Alarm: Enable alarm activation through the connected
	alarm box.
	Wireless Siren: Enable alarm activation through devices
	connected by USB gateway or camera gateway.
	Set a length of time for the Device to delay turning off alarm after the
Latch	external alarm is cancelled. The value ranges from 10 seconds to 300
	seconds, and the default value is 10 seconds.
Show Message	Select the Show Message check box to enable a pop-up message in
Show wessage	your local host PC.
	Select the Alarm Upload check box to enable the system to upload
Alarm Upload	the alarm signal to the network (including alarm center) when an alarm
	event occurs.
	Select the Send Email check box to enable the system to send an
	email notification when an alarm event occurs.
Send Email	NOTE
	To use this function, make sure the email function is enabled in Main
	Menu > NETWORK > EMAIL.
Buzzer	Select the check box to activate a buzzer noise at the Device.
Log	Select the check box to enable the Device to record a local alarm log.
Voice Prompts	Select to enable audio broadcast/voice prompts in response to a HDD
voice Fidilipis	alarm event.

Step 3 Click **Apply** to complete the settings.

Configuring Network Event Settings

Step 1 Select Main Menu > ALARM > ABNORMITY > Network.

The **Network** interface is displayed.



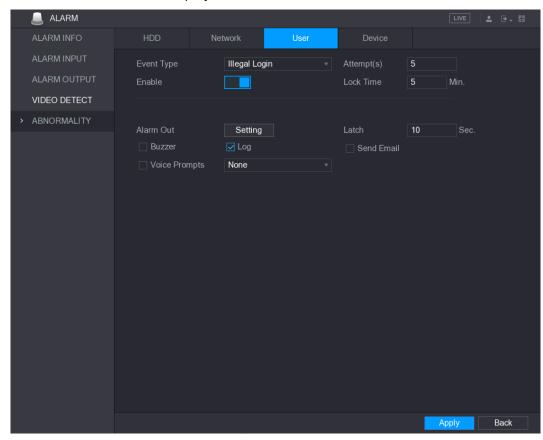
Step 2 Configure the settings for the Network event.

Step 2 Configure the settings for the Network event.	
Parameter	Description
Event Type	In the Event Type list, select Net Disconnection, IP Conflicted, or
	MAC Conflicted as the event type.
Enable	Enable or disable the Network event detection function.
	Click Setting to display setting interface.
	General Alarm: Enable alarm activation through the alarm devices
	connected to the selected output port.
Alarm Out	External Alarm: Enable alarm activation through the connected
	alarm box.
	Wireless Siren: Enable alarm activation through devices
	connected by USB gateway or camera gateway.
	Set a length of time for the Device to delay turning off alarm after the
Latch	external alarm is cancelled. The value ranges from 10 seconds to 300
	seconds, and the default value is 10 seconds.
Show Message	Select the Show Message check box to enable a pop-up message in
Show wessage	your local host PC.
	Select the Send Email check box to enable the system to send an
	email notification when an alarm event occurs.
Send Email	NOTE
	To use this function, make sure the email function is enabled in Main
	Menu > NETWORK > EMAIL.
Buzzer	Select the check box to activate a buzzer noise at the Device.
Log	Select the check box to enable the Device to record a local alarm log.
Voice Prompte	Select to enable audio broadcast/voice prompts in response to a
Voice Prompts	network alarm event.

Configuring User Event Settings

Step 1 Select Main Menu > ALARM > ABNORMITY > User.

The **User** interface is displayed.



Step 2 Configure the settings for the User event.

Parameter	Description
Event Type	In the Event Type list, select Illegal Login.
	Enable the user error detection function.
Enable	If you do not enable this function, there will be no limit for wrong
Lilable	password entry and the account cannot be locked because of the
	wrong password.
Attempt(s)	Set the maximum number of allowable wrong password entries. The
Attempt(s)	account will be locked after your entries exceed the maximum number.
Lock Time	Set how long the account is locked for. The value ranges from 1
LOCK TIME	minute to 60 minutes.
	Click Setting to display setting interface.
	General Alarm: Enable alarm activation through the alarm devices
Alarm Out	connected to the selected output port.
	External Alarm: Enable alarm activation through the connected
	alarm box.
	Wireless Siren: Enable alarm activation through devices
	connected by USB gateway or camera gateway.

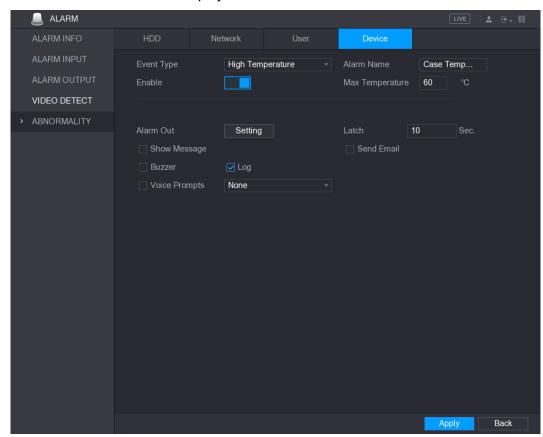
Parameter	Description
	Set a length of time for the Device to delay turning off alarm after the
Latch	external alarm is cancelled. The value ranges from 10 seconds to 300
	seconds, and the default value is 10 seconds.
	Select the Send Email check box to enable the system to send an
Send Email	email notification when an alarm event occurs.
	NOTE
	To use this function, make sure the email function is enabled in Main
	Menu > NETWORK > EMAIL.
Buzzer	Select the check box to activate a buzzer noise at the Device.
Log	Select the check box to enable the Device to record a local alarm log.
Voice Prompte	Select to enable audio broadcast/voice prompts in response to a user
Voice Prompts	account alarm event.

Step 3 Click **Apply** to complete the settings.

Configuring Device Event Settings

Step 1 Select Main Menu > ALARM > ABNORMITY > Device.

The **Device** interface is displayed.



Step 2 Configure the settings for the device event

Otop 2	
Parameter	Description
Event Type	In the Event Type list, select High Temperature or Fan Speed Abnormal.
Alarm Name	Enter the name for the event type.
Enable	Enable the device event detection function.

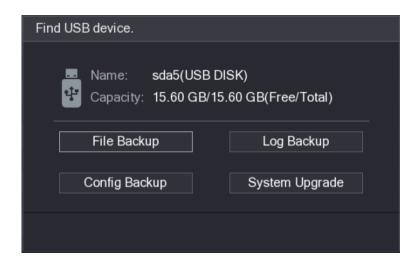
Parameter	Description
Max Temperature	In the Max Temperature box, enter the max temperature value.
	Click Setting to display setting interface.
	General Alarm: Enable alarm activation through the alarm devices
	connected to the selected output port.
Alarm Out	External Alarm: Enable alarm activation through the connected
	alarm box.
	Wireless Siren: Enable alarm activation through devices
	connected by USB gateway or camera gateway.
	Set a length of time for the Device to delay turning off alarm after the
Latch	external alarm is cancelled. The value ranges from 10 seconds to 300
	seconds, and the default value is 10 seconds.
	Select the Send Email check box to enable the system to send an
	email notification when an alarm event occurs.
Send Email	NOTE
	To use this function, make sure the email function is enabled in Main
	Menu > NETWORK > EMAIL.
Buzzer	Select the check box to activate a buzzer noise at the Device.
Log	Select the check box to enable the Device to record a local alarm log.
Voice Prompts	Select to enable audio broadcast/voice prompts in response to a
voice Frompts	Device alarm event.

Step 3 Click **Apply** to complete the settings.

Configuring Backup Settings

Finding USB Device

When you inset a USB storage device into the USB port of the Device, the Device detects the USB storage device and pops up "Find USB device" interface, which provides you a shortcut to perform backup and upgrading operations.

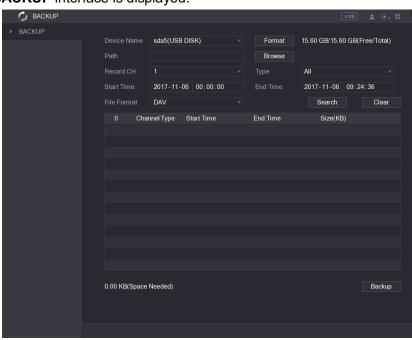


Backing up Files

You can back up the recorded videos and snapshots.

Step 1 Select Main Menu > BACKUP.

The **BACKUP** interface is displayed.



Step 2 Configure the settings for the backup parameters.

Parameter	Description Description
Device Name	In the Device Name list, select the device that you want to back
	up the files to.
Format	Click Format to format the selected device.
Path	Click Browse , the Browse interface is displayed. Select the route
	where you want to search for the files.
Record CH	In the Record CH list, select the channel where you want to
	search for the files.
Туре	In the Type list, select the file type that you want to search.
Start Time	Enter the start time and end time for the files that you want to
End Time	search.

Parameter	Description
File Format	In the File Format list, select the file format that you want to
	search.

Step 3 Click **Search** to search the files that meet the configured settings.

The searched results will display in the table.

Step 4 Select the files that you want to back up.

Step 5 Click **Backup** to back up the selected files to the configured path.

₩ NOTE

Click Clear to remove all the searched results.

Network Management

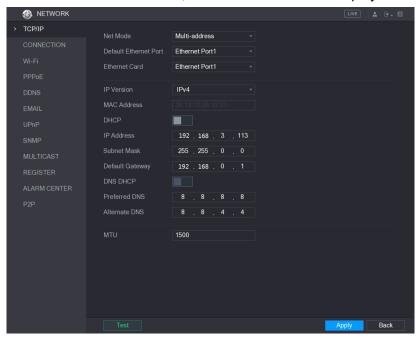
Configuring Network Settings

You can ensure the network interworking between the Device and other devices through configuring the network settings.

Configuring TCP/IP Settings

You can configure the settings for the Device such as IP address, DNS according to the networking plan.

Select Main Menu > NETWORK > TCP/IP, the TCP/IP interface is displayed."

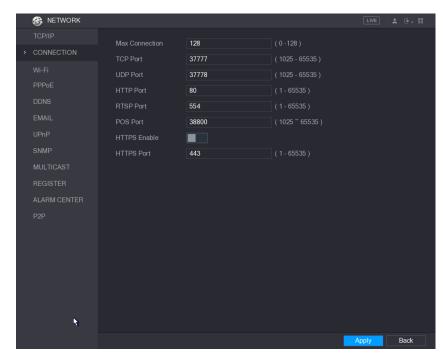


Configuring Port Settings

You can configure the maximum connection accessing the system.

Step 1 Select Main Menu > NETWORK > CONNECTION.

The **CONNECTION** interface is displayed.



Step 2 Configure the settings for the connection parameters.

NOTE

The connection parameters except Max Connection cannot take effects until the Device has been restarted.

Parameter	Description
Max Connection	The allowable maximum clients accessing the Device at the same
	time, such as WEB, Platform, and Mobile Phone.
	Select a value between 1 and 128. The default value setting is
	128.
TCP Port	The default value setting is 37777. You can enter the value
	according to your actual situation.
UDP Port	The default value setting is 37778. You can enter the value
	according to your actual situation.
	The default value setting is 80. You can enter the value according
HTTP Port	to your actual situation.
	If you enter other value, for example, 70, and then you should
	enter 70 after the IP address when logging in the Device by
	browser.
RTSP Port	The default value setting is 554. You can enter the value according
	to your actual situation.
POS Port	Data transmission. The value range is from 1 through 65535. The
	default value is 38800.
HTTPS Enable	Enable HTTPS.
HTTPS Port	HTTPS communication port. The default value setting is 443. You
	can enter the value according to your actual situation.

Step 3 Click **Apply** to complete the settings.

Configuring Wi-Fi Connection Settings

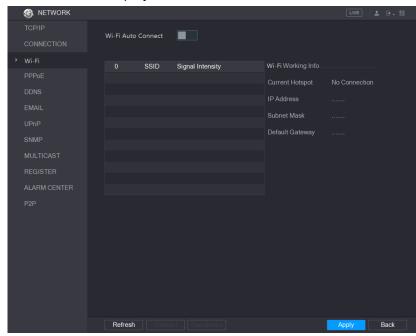
You can make wireless connection between the Device and the other devices in the same network through Wi-Fi settings, facilitating the devices connection and mobility.

NOTE

Only the Device with Wi-Fi module supports this function.

Step 1 Select Main Menu > NETWORK > Wi-Fi.

The Wi-Fi interface is displayed.



Step 2 Configure the settings for the Wi-Fi connection parameters.

Parameter	Description
Wi-Fi Auto Connect	Enable Wi-Fi Auto Connect.
	After the Device is restarted, it will automatically connect to the
	nearest hotspot that had been connected successfully.
Refresh	Refresh the hotspot list. The self-adaption function such as adding
	password is supported if such setting was once configured.
Connect	In the hotpot s list, select a hotspot, and then click Connect .
	To reconnect the same hotspot, disconnect first and then
	reconnect.
	To connect to other hotspot, disconnect from the current
	connected hotspot first, and then connect to the other hotspot.
Disconnect	To disconnect from a hotspot, click Disconnect .

Step 3 Click **Apply** to complete the settings.

After the Device is connected to a Wi-Fi hotspot, in the **Wi-Fi Working Info** area, the current hotspot, IP address, subnet mask, and default gateway are displayed.

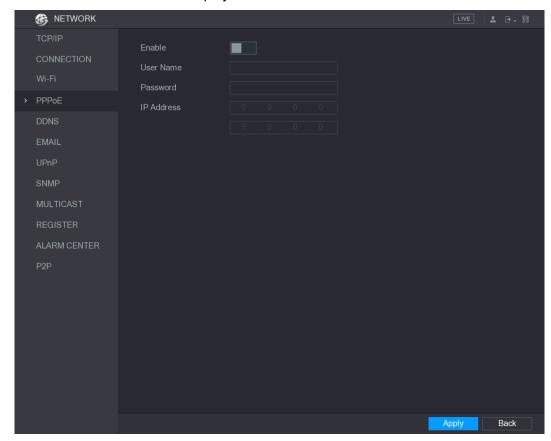
Configuring PPPoE Settings

PPPoE is another way for the Device to access the network. You can establish network connection by configuring PPPoE settings to give the Device a dynamic IP address in the

WAN. To use this function, firstly you need to obtain the user name and password from the Internet Service Provider.

Step 1 Select Main Menu > NETWORK > PPPoE.

The **PPPoE** interface is displayed.



- Step 2 Enable the PPPoE function.
- <u>Step 3</u> In the **User Name** box and **Password** box, enter the user name and password accordingly provided by the Internet Service Provider.
- Step 4 Click **Apply** to complete the settings.

The system pops up a message to indicate the successfully saved. The IP address appears on the PPPoE interface. You can use this IP address to access the Device.

M NOTE

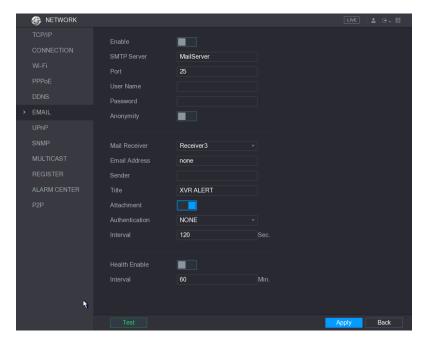
When the PPPoE function is enabled, the IP address on the **TCP/IP** interface cannot be modified.

Configuring EMAIL Settings

You can configure the email settings to enable the system to send the email as a notification when there is an alarm event occurs.

Step 1 Select Main Menu > NETWORK > EMAIL.

The **EMAIL** interface is displayed.



Step 2 Configure the settings for the email parameters.

Parameter	Description
Enable	Enable the email function.
SMTP Server	Enter the address of SMTP server of sender's email account.
Port	Enter the port value of SMTP server. The default value setting is
	25. You can enter the value according to your actual situation.
User Name	
Password	Enter the user name and password of sender's email account.
Anonymity	If enable the anonymity function, you can login as anonymity.
	In the Mail Receiver list, select the number of receiver that you
Mail Receiver	want to receive the notification. The Device supports up to three
	mail receivers.
Email Address	Enter the email address of mail receiver(s).
Sondor	Enter the sender's email address. It supports maximum three
Sender	senders separated by comma.
	Enter the email subject.
Title	Supports Chinese, English and Arabic numerals. It supports
	maximum 64 characters.
Attachment	Enable the attachment function. When there is an alarm event, the
Allaciment	system can attach snapshots as an attachment to the email.
Authentication	Select the encryption type: NONE, SSL, or TLS.
	This is the interval that the system sends an email for the same
	type of alarm event, which means, the system does not send an
	email upon any alarm event.
Interval (Sec.)	This setting helps to avoid the large amount of emails caused by
	frequent alarm events.
	The value ranges from 0 to 3600. 0 means that there is no
	interval.
Health Enable	Enable the health test function. The system can send a test email
Ticalin Enable	to check the connection.
	This is the interval that the system sends a health test email.
Interval (Min.)	The value ranges from 30 to 1440. 0 means that there is no
	interval.
Test	Click Test to test the email sending function. If the configuration is
	correct, the receiver's email account will receive the email.
	NOTE
	Before testing, click Apply to save the settings.

Step 3 Click **Apply** to complete the settings.

Configuring UPnP Settings

You can map the relationship between the LAN and the WAN to access the Device on the LAN through the IP address on the WAN.

Preparation for Configuration

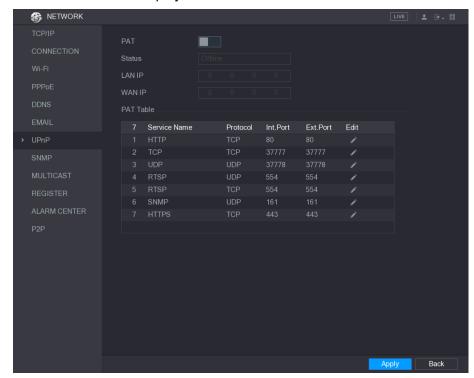
• Login the router to set the WAN port to enable the IP address to connect into the WAN.

- Enable the UPnP function at the router.
- Connect the Device with the LAN port on the router to connect into the LAN.
- Select Main Menu > NETWORK > TCP/IP, configure the IP address into the router IP address range, or enable the DHCP function to obtain an IP address automatically.

Configuration Steps

Step 1 Select Main Menu > NETWORK > UPnP.

The **UPnP** interface is displayed.



Step 2 Configure the settings for the UPnP parameters.

Parameter	Description	
PAT	Enable the UPnP function.	
Status	Indicates the status of UPnP function.	
	Offline: Failed.	
	Online: Succeeded.	
	Enter IP address of router on the LAN.	
LAN IP	NOTE	
LANII	After mapping succeeded, the system obtains IP address	
	automatically without performing any configurations.	
	Enter IP address of router on the WAN.	
WAN IP	NOTE	
VVAINII	After mapping succeeded, the system obtains IP address	
	automatically without performing any configurations.	
	The settings in PAT table correspond to the UPnP PAT table on	
	the router.	
	Service Name: Name of network server.	
	Protocol: Type of protocol.	
	Int. Port: Internal port that is mapped on the Device.	
	Ext. Port: External port that is mapped on the router.	
	NOTE	
PAT Table	To avoid the conflict, when setting the external port, try to use	
	the ports from 1024 through 5000 and avoid popular ports	
	from 1 through 255 and system ports from 256 through 1023.	
	When there are several devices in the LAN, please	
	reasonably arrange the ports mapping to avoid mapping to	
	the same external port.	
	When establishing a mapping relationship, please ensure the mapping ports are not acquired or limited.	
	 mapping ports are not occupied or limited. The internal and external ports of TCP and UDP must be the 	
	same and cannot be modified.	
	same and cannot be modified.	
	Click to modify the external port.	

Step 3 Click **Apply** to complete the settings.

In the browser, enter http://WAN IP: External IP port. You can visit the LAN Device.

Configuring P2P Settings

You can manage the devices by using P2P technology to download the application and register the devices."

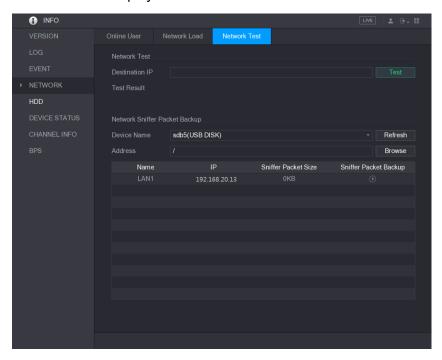
Configuring Network Testing Settings

Testing the Network

You can test the network connection status between the Device and other devices.

Step 1 Select Main Menu > INFO > NETWORK > Test.

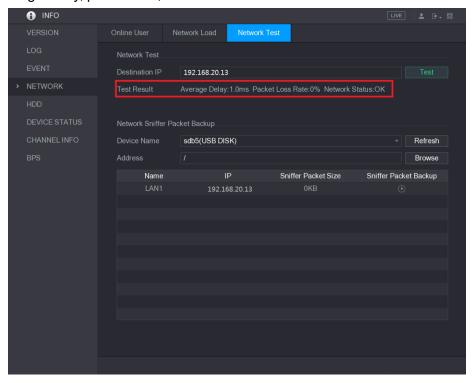
The **Test** interface is displayed.



Step 2 In the **Destination IP** box, enter the IP address.

Step 3 Click Test.

After testing is completed, the test result is displayed. You can check the evaluation for average delay, packet loss, and network status.



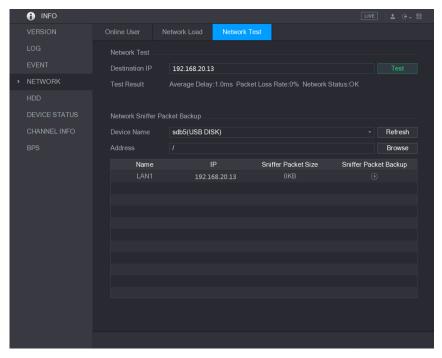
Capturing Packet and Backing up

Packet capture means the operations such as capturing, resending, and editing data that are sent and received during network transmission. When there is network abnormality, you can

perform packet capturing and back up into the USB storage device. This date can be provided to the technical support for analyzing the network condition.

Step 1 Select Main Menu > INFO > NETWORK > Network Test.

The **Network Test** interface is displayed.



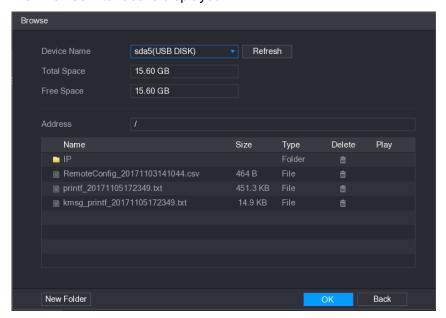
Step 2 Connect a USB storage device to the Device.

Step 3 Click Fresh.

The Device starts detecting the USB storage device and displays its name in the **Device Name** box.

Step 4 Select the route of the data that you want to capture and back up.

In the Network Sniffer Packet Backup, click Browse.
 The Browse interface is displayed.



2) Select the route.

NOTE

If there are several USB storage devices are connected to the Device, you
can select from the **Device Name** list.

- Click Refresh to total space, free space and the file list in the selected USB storage device.
- In the case of insufficient capacity, click to delete the needless files.
- Click New Folder to create a new folder in the USB storage device.
- 3) Click **Apply** to save the route selection settings.

The **Test** interface is displayed again.

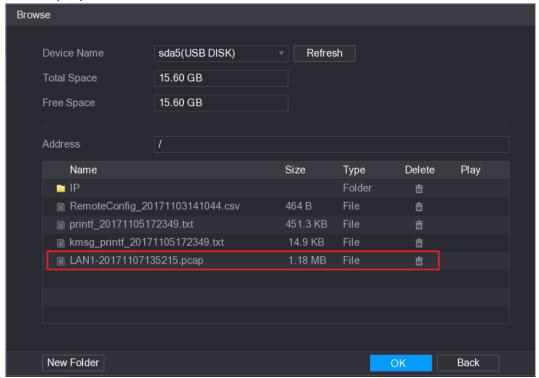
Step 5 Click to start packet capturing and backing up.

NOTE

- Only the data packet of one LAN can be captured at one time.
- After capturing starts, you can exit the **Test** interface to perform other operations such as web login and monitoring.

Step 6 Click to stop capturing.

The backup data is saved in the selected route under the naming style "LAN name-time.pcap."



Configuring Account Settings

You can add, modify and delete user accounts, groups, and ONVIF users, and set security questions for admin account.

NOTE

• The user name supports 31 characters and group name supports 15 characters. The user name can be consisted of letter, number, " ", "@", ".".

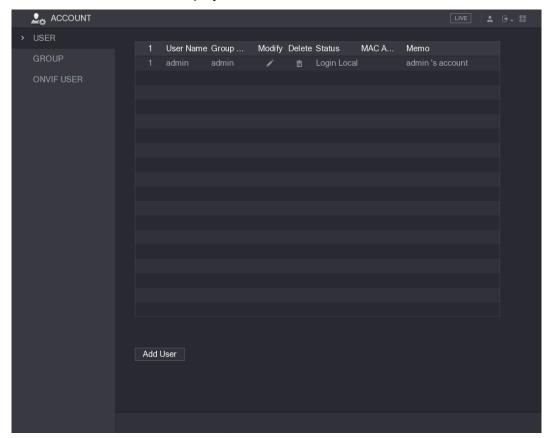
- You can set maximum 64 users and 20 groups. The group name by "User" and "Admin" cannot be deleted. You can set other groups and define the relevant permissions.
 However, the admin account cannot be set randomly.
- You can manage the account by user and group and the name cannot be repeated. Every
 user must belong to a group, and one user only belongs to one group.

Configuring User Account

Adding a User Account

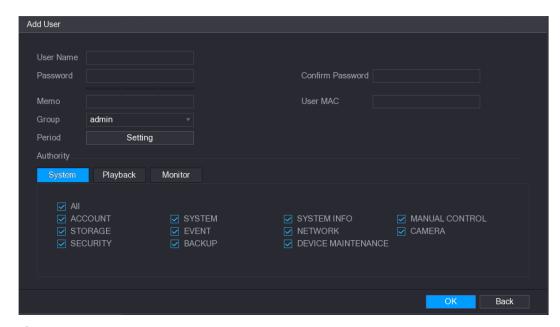
Step 1 Select Main Menu > ACCOUNT > USER.

The **USER** interface is displayed.



Step 2 Click Add User.

The Add User interface is displayed



Step 3 Configure the settings for the parameters of adding a user account.

Parameter	Description	
User Name	Entar a user page and pageward for the account	
Password	Enter a user name and password for the account.	
Confirm Password	Re-enter the password.	
Mama	Optional.	
Memo	Enter a description of the account.	
User MAC	Enter user MAC address	
	Select a group for the account.	
Group	NOTE NOTE	
	The user rights must be within the group permission.	
	Click Set to display Set interface.	
Period	Define a period during which the new account can login the	
Fellou	device. The new account cannot login the device during the time	
	beyond the set period.	
Authority	In the Authority area, select the check boxes in the System tab,	
	Playback tab, and Monitor tab.	
	NOTE NOTE	
	To manage the user account easily, when defining the user	
	account authority, it is recommended not to give the authority to	
	the common user account higher that the advanced user account.	

Step 4 Click **OK** to complete the settings.

Setting Permitted Period

Step 1 Next to Period, click Setting.

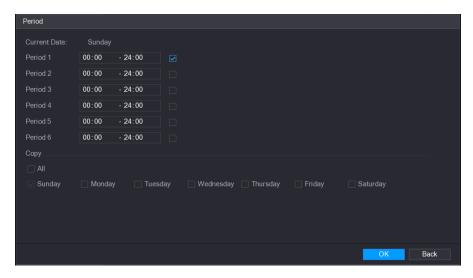
The **Setting** interface is displayed.



Step 2 Define the permitted period. By default, it is active all the time.

- Define the period by drawing.
 - Define for a specified day of a week: On the timeline, click the half-hour blocks to select the active period.
 - ♦ Define for several days of a week: Click before each day, the icon switches to on the timeline of any selected day, click the half-hour blocks to select the active periods, all the days with will take the same settings.
 - ♦ Define for all days of a week: Click All, all the switches to switches to timeline of any day, click the half-hour blocks to select the active periods, all the days will take the same settings.
- Define the period by editing. Take Sunday as an example.
- 1) Click 🏝.

The **Period** interface is displayed.



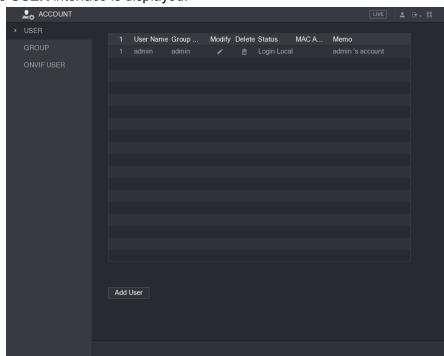
- 2) Enter the time frame for the period and select the check box to enable the settings.
 - ♦ There are six periods for you to set for each day.
 - Under Copy, select All to apply the settings to all the days of a week, or select specific day(s) that you want to apply the settings to.
- 3) Click **OK** to save the settings.

Step 3 Click OK.

Modify a User Account

Step 1 Select Main Menu > ACCOUNT > USER.

The **USER** interface is displayed.



Step 2 Click for the user account that you want to modify.

The Modify User interface is displayed.

Modify User			
User Name	admin v	User MAC	
Modify Password		Email Address	2***@qq.com
Old Password		Group	
New Password		Memo	
Confirm Password		Unlock Pattern	E
Coniinii Password		Officer Pattern	EH
Prompt Question 1	1	Security Que	estions
Authority			
System Playba	ack Monitor		
✓ All			
✓ ACCOUNT	✓ SYSTEM	☑ SYSTEM INFO	✓ MANUAL CONTROL
✓ STORAGE	EVENT	✓ NETWORK	✓ CAMERA
☑ SECURITY	☑ BACKUP	☑ DEVICE MAINTEI	NANCE
			OK Back

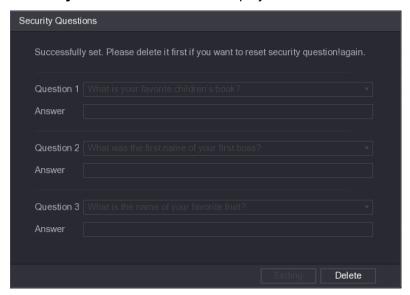
<u>Step 3</u> Change the settings for password, user name, user group, user MAC, memo, period, and authority.

NOTE

The new password can be set from 8 digits through 32 digits and contains at least two types from number, letter and special characters (excluding"", """, ";", ":" and "&"). For the admin account, you can enter or modify email address, enable/disable the unlock pattern, modify the security questions.

- In the Email Address box, enter the email address, and the click Save to save the setting.
- Configuring security questions.
- 1) Click Security Questions.

The **Security Questions** interface is displayed.



- 2) In the **Question** list, select questions and enter the answers in the Answer box.
- 3) Click **Setting** to save the settings.

You can use the security questions and answers to reset the password for admin account.

NOTE

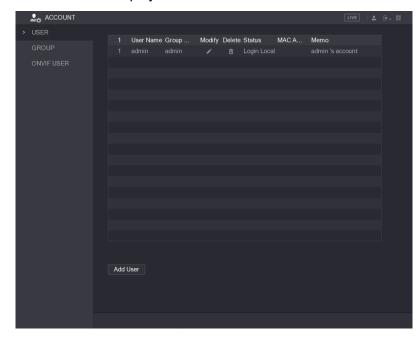
To reset the security questions, on the **Security Questions**, enter the correct answers for each question, and then click **Delete**.

Step 4 Click **OK** to complete the settings.

Deleting a User Account

Step 1 Select Main Menu > ACCOUNT > USER.

The **USER** interface is displayed.



Step 2 Click for the user account that you want to delete.

A Message is displayed.

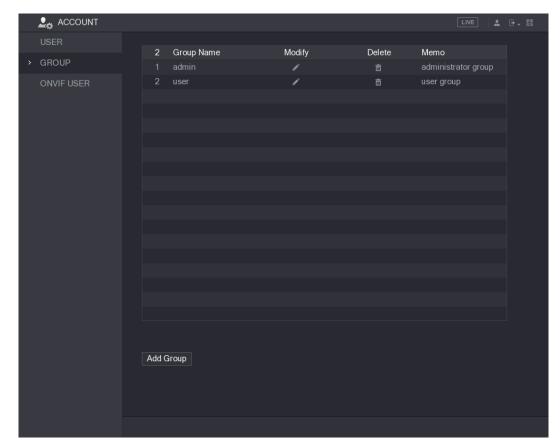
Step 3 Click **OK** to delete a user account.

Configuring Group Account

Adding a Group

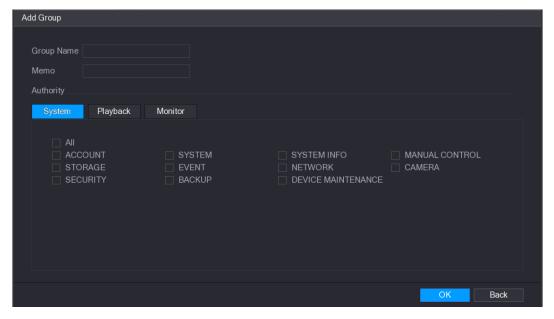
Step 1 Select Main Menu > ACCOUNT > GROUP.

The **GROUP** interface is displayed.



Step 2 Click Add Group.

The **Add Group** interface is displayed.



Step 3 Configure the settings for the parameters of adding a group.

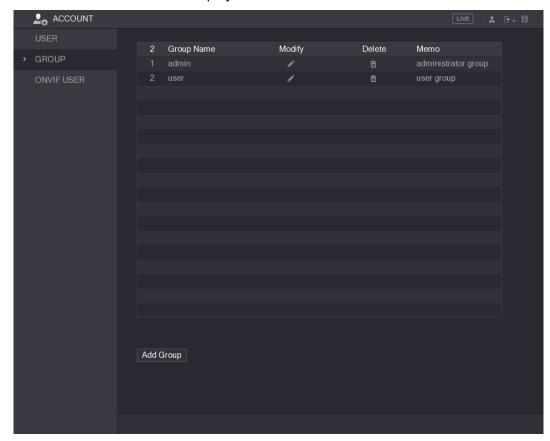
Parameter	Description
Group Name	Enter a name for the group.
Memo	Optional.
	Enter a description of the account.
Authority	In the Authority area, select the check boxes in the System tab,
	Playback tab, and Monitor tab.

Step 4 Click **OK** to complete the settings.

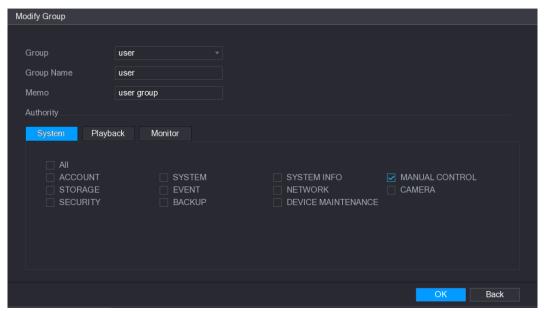
Modifying a Group

Step 1 Select Main Menu > ACCOUNT > GROUP.

The **GROUP** interface is displayed.



- Step 2 Click for the group account that you want to modify.
- Step 3 The Modify Group interface is displayed.

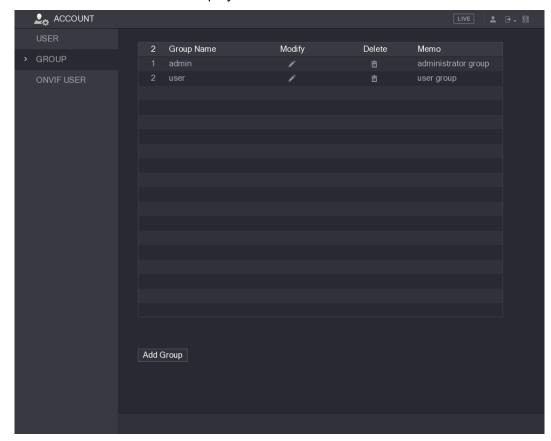


- Step 4 Change the settings for group name, memo, and authority.
- Step 5 Click **OK** to complete the settings.

Deleting a Group

Step 1 Select Main Menu > ACCOUNT > GROUP.

The **GROUP** interface is displayed.



Step 2 Click for the user account that you want to delete.

A Message is displayed.

Step 3 Click **OK** to delete a group.

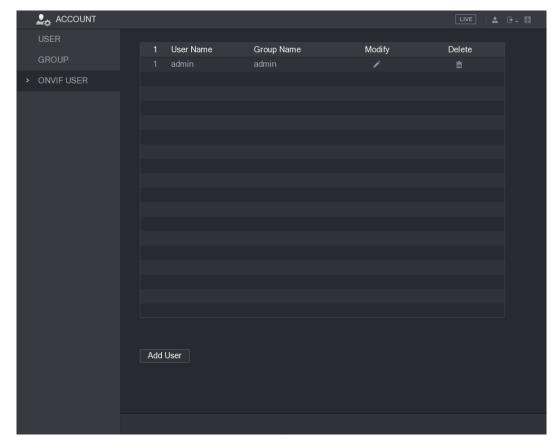
Configuring Onvif Users

The device manufactured by other company can connect to the Device through Onvif protocol by an authorized Onvif account.

NOTE

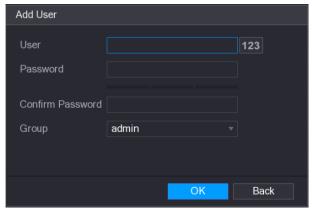
The admin account is created for Onvif users right after the Device has been initialized <u>Step 1</u> Select **Main Menu > ACCOUNT > ONVIF USER**.

The **ONVIF USER** interface is displayed.



Step 2 Click Add User.

The Add User interface is displayed.



Step 3 Enter user name, password, and select the group that you want this account to belong to

Step 4 Click **OK** to save the settings.



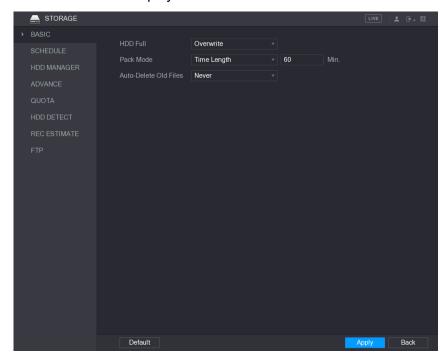
Storage Management

Storage management function manages the stored resources such as recorded video files and storage space. The function aims at providing easier operation and improving the storage efficiency.

Configuring Basic Settings

Step 1 Select Main Menu > STORAGE > BASIC.

The **BASIC** interface is displayed.



Step 2 Configure the settings for the basic settings parameters.

Parameter	Description	
HDD Full	Configure the settings for the situation all the read/write discs are	
	full, and there is no more free disc.	
	Select Stop Record to stop recording	
	Select Overwrite to overwrite the recorded video files	
	always from the earliest time.	
Pack Mode	Configure the time length and file length for each recorded video.	
Auto-Delete Old Files	Configure whether to delete the old files and if yes, configure the	
	N days.	

Step 3 Click **Apply** to complete the settings.

Configuring the Recording and Snapshot Schedule

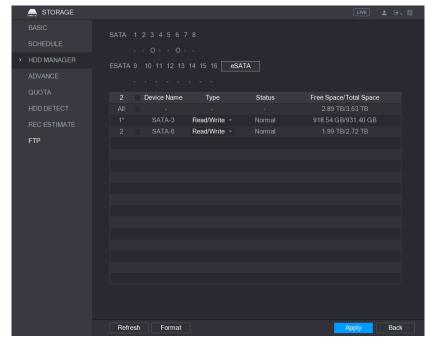
The system starts recording and taking snapshot according to the configured schedule. Configuring HDD Manager

You can view the HDD information, format HDD, and configure the HDD type through HDD manager.

Step 1 Select Main Menu > STORAGE > HDD MANAGER.

The HDD MANAGER interface is displayed.

In the table, you can view the information of current HDD, such as device name, HDD type, status, total space and free space, and serial number of the HDD port.



Step 2 Configuring the settings for the HDD manager.

- HDD type setting: In the Type list, select Read/Write, Read-Only or Redundant, and then click Apply to save the settings.
- HDD format: Select the HDD that you want to format, click Format, in the pop-up message, click OK to start formatting, and then following the onscreen message to complete formatting.

Configuring HDD Group

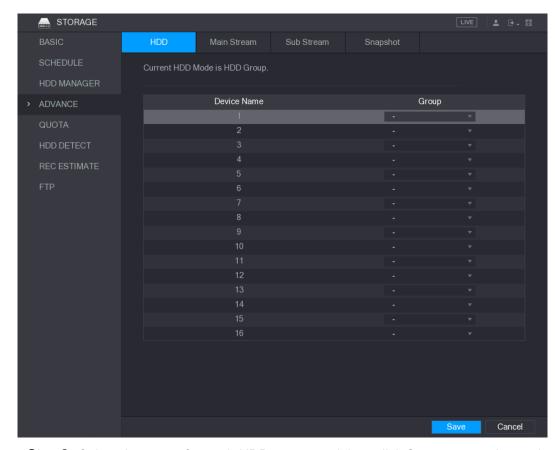
You can configure the HDD group to save the specified main stream, sub stream and snapshots to the designated HDD group.



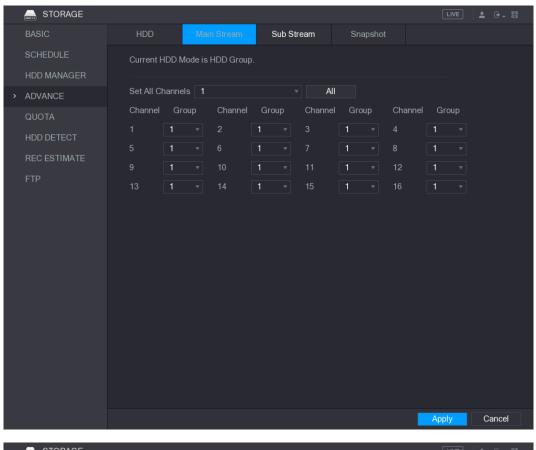
- If "Current HDD Mode is Quota Mode" is shown on the interface, you need to switch to HDD mode.
- You can enable either HDD Mode or Quota Mode at one time. The system reboots to activate the settings.

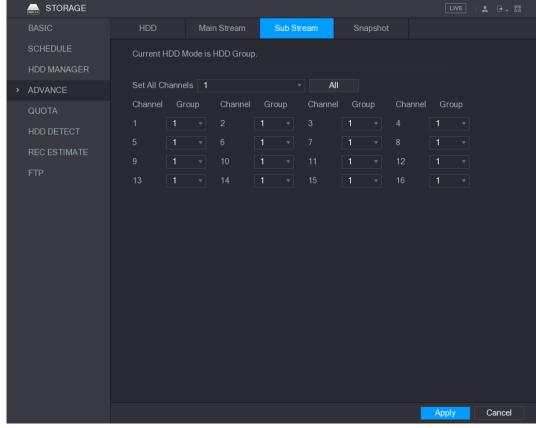
Step 1 Select Main Menu > STORAGE > ADVANCE.

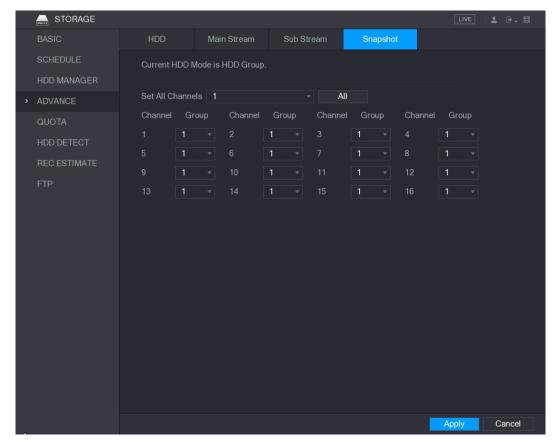
The **ADVANCE** interface is displayed.



Step 2 Select the group for each HDD group, and then click Save to save the settings.
 Step 3 After configuring HDD group, under the Main Stream tab, Sub Stream tab and Snapshot tab, configure settings to save the main stream, sub stream and snapshot to different HDD group as selected by you.







Step 4 Click **Apply** to complete the settings.

Configuring HDD Detecting Settings

NOTE

Not all models support this function.

HDD detecting function detects the current status of HDD to let you know the HDD performance and replace the defective HDD.

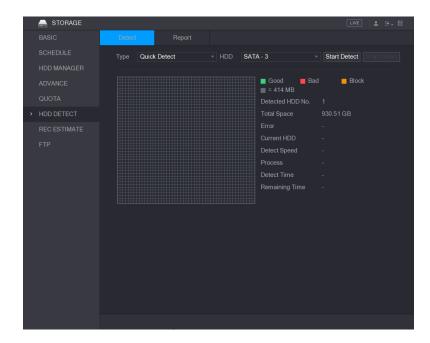
Detecting HDD

You can detect HDD by quick detect and global detect.

- Quick detect: Detect the files saved in HDD. The detected bad track can be repaired by formatting. If there are no files in HDD, the system cannot detect the bad track.
- Global detect: Detect the whole HDD through Windows, which takes time and might affect the HDD that is recording the video.

Step 1 Select Main Menu > STORAGE > HDD DETECT > Detect.

The **Detect** interface is displayed.

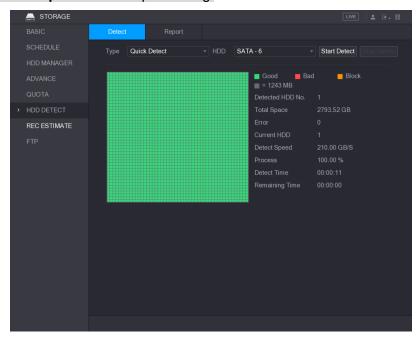


<u>Step 2</u> In the **Type** list, select **Quick Detect** or **Global Detect**; and in the **HDD** list, select the HDD that you want to detect.

Step 3 Click Start Detect.

The system starts detecting the HDD.

During detecting, click **Pause** to pause detecting, click **Continue** to restart detecting, and click **Stop Detect** to stop detecting.

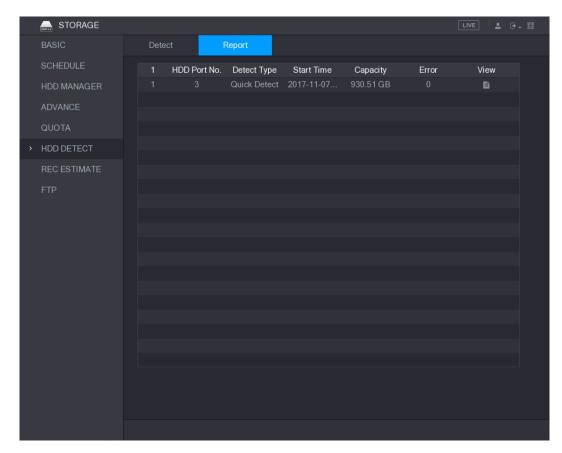


View Detecting Results

After the detecting is completed, you can view the detecting reports to find out the problem and replace the defective HDD to avoid data loss.

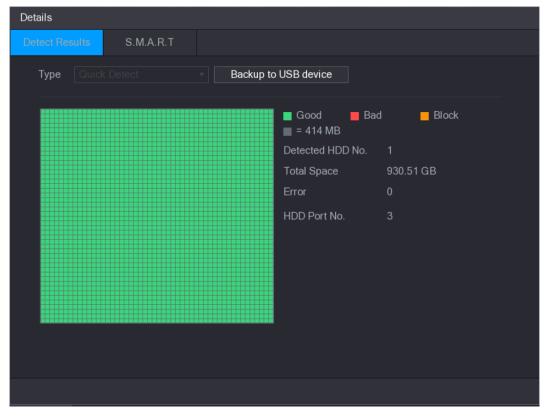
Step 1 Select Main Menu > STORAGE > HDD DETECT > Report.

The Report interface is displayed.



Step 2 Click

The **Details** interface is displayed. You can view detecting results and S.M.A.R.T reports.



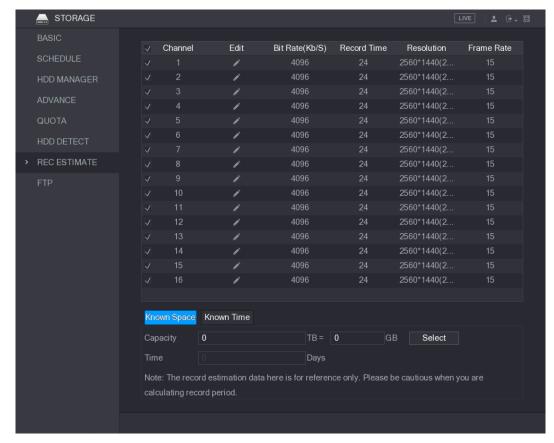


Configuring Record Estimate

Record estimate function can calculate how long you can record video according to the HDD capacity, and calculate the required HDD capacity according to the record period.

Step 1 Select Main Menu > STORAGE > REC ESTIMATE.

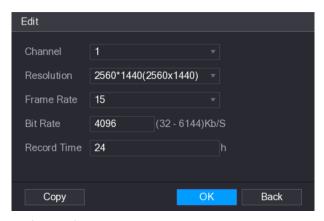
The **REC ESTIMATE** interface is displayed.



Step 2 Click

The **Edit** dialog box is displayed.

You can configure the resolution, frame rate, bit rate and record time for the selected channel.



Step 3 Click **OK** to save the settings.

Then the system will calculate the time period that can be used for storage according to the channels settings and HDD capacity.

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Click Copy to copy the settings to other channels.

Calculating Recording Time

<u>Step 1</u> On the **REC ESTIMATE** interface, click the **Known Space** tab.

The Known Space interface is displayed.



Step 2 Click Select.

The **Select HDD(s)** interface is displayed.

Step 3 Select the check box of the HDD that you want to calculate.

In the **Known Space** tab, in the **Time** box, the recording time is displayed.



Calculating HDD Capacity for Storage

<u>Step 1</u> On the **REC ESTIMATE** interface, click the **Known Time** tab. The **Known Time** interface is displayed.



<u>Step 2</u> In the **Time** box, enter the time period that you want to record. In the **Capacity** box, the required HDD capacity is displayed.



Configuring FTP Storage Settings

You can store and view the recorded videos and snapshots on the FTP server.

Preparation for Configuration

Purchase or download a FTP server and install it on your PC.

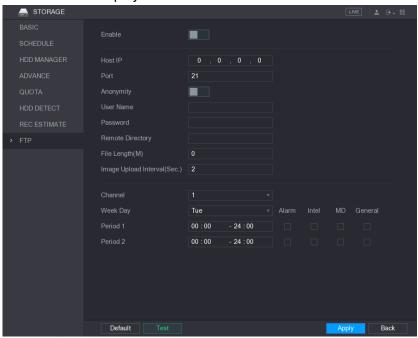
₩ NOTE

For the created FTP user, you need to set the write permission; otherwise the upload of recorded videos and snapshots will be failed.

Configuration Steps

Step 1 Select Main Menu > STORAGE > FTP.

The **FTP** interface is displayed.



Step 2 Configure the settings for the FTP settings parameters

Step 2 Configure the settings for the FTP settings parameters.		
Parameter	Description	
Enable	Enable the FTP upload function.	
Host IP	IP address of the PC that is installed with FTP server.	
Port	The default is 21.	
Anonymity	Enter the user name and password to login the FTP server.	
User Name	Enable the anonymity function, and then you can login	
Password	anonymously without entering the user name and password.	
	Create folder on FTP server.	
	If you do not enter the name of remote directory, system	
	automatically creates the folders according to the IP and	
Remote Directory	time.	
Remote Directory	If you enter the name of remote directory, the system	
	creates the folder with the entered name under the FTP root	
	directory first, and then automatically creates the folders	
	according to the IP and time.	
	Enter the length of the uploaded recorded video.	
	If the entered length is less than the recorded video length,	
File Length(M)	only a section of the recorded video can be uploaded.	
	If the entered length is more than the recorded video length,	
	the whole recorded video can be uploaded.	
	If the entered length is 0, the whole recorded video will be uploaded.	

Parameter	Description	
Image Upload Interval (Sec.)	 If this interval is longer than snapshot interval, the system takes the recent snapshot to upload. For example, the interval is 5 seconds, and snapshot interval is 2 seconds per snapshot, the system uploads the recent snapshot every 5 seconds. If this interval is shorter than snapshot interval, the system uploads the snapshot per the snapshot interval. For example, the interval is 5 seconds, and snapshot interval is 10 seconds per snapshot, the system uploads the snapshot every 10 seconds. To configure the snapshot interval, select Main Menu > CAMERA > ENCODE > Snapshot. 	
Channel	Select the channel that you want to apply the FTP settings.	
Week Day	Select the week day and set the time period that you want to	
Period 1, Period 2	upload the recorded files. You can set two periods for each week day.	
Record type	Select the record type (Alarm, Intel, MD, and General) that you want to upload. The selected record type will be uploaded during the configured time period.	

Step 3 Click Test.

The system pops up a message to indicate success or failure. If failed, please check the network connection or configurations.

Step 4 Click **Apply** to complete the settings.

Configuring System Settings

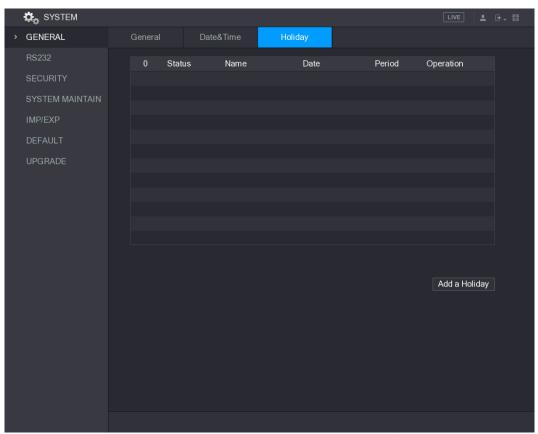
Configuring General System Settings

You can configure the device basic settings, time settings, and holiday settings.

To configure the holiday settings, do the following:

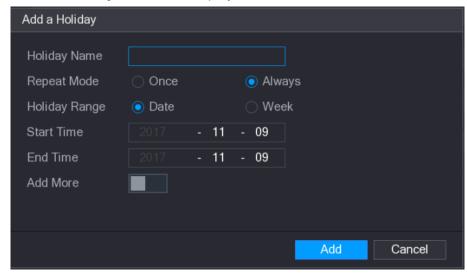
Step 1 Select Main Menu > GENERAL > Holiday.

The Holiday interface is displayed.



Step 2 Click Add a Holiday.

The Add a Holiday interface is displayed.



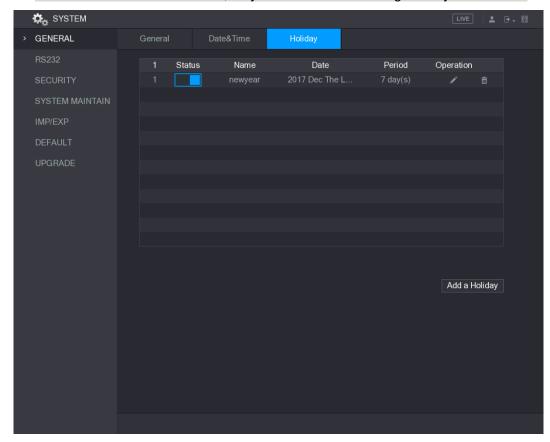
<u>Step 3</u> Configure the holiday name, repeat mode, time range according to your actual situation.

Step 4 Click Add.

The added holiday information is displayed.

oxdiv NOTE

Enable the Add More function, so you can continue adding holiday information.



Configuring Security Settings

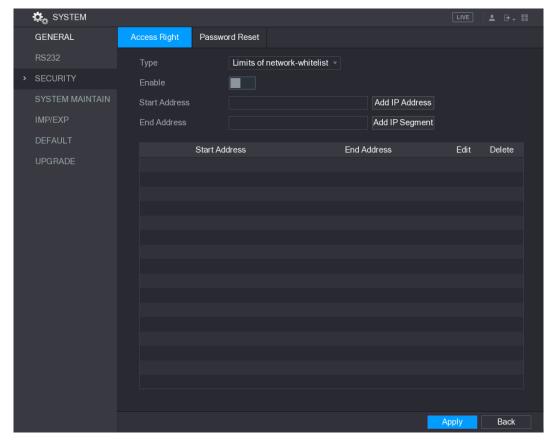
To ensure the network security and protect data, you can configure the access permission to the Device from host IP (host IP means the PC or server that has an IP).

- White list includes the host IP that are permitted to access the Device.
- Back list includes the host IP that are not permitted to access the Device.
- Update time white list includes the host IP that are permitted to sync the Device time.

Configuring Access Right

Step 1 Select Main Menu > SYSTEM > SECURITY > Access Right.

The Access Right interface is displayed.



Step 2 Configure the settings for the security parameters.

Parameter	Description
Туре	In the Type list, you can select Limits of network-whitelist, Limits
	of network-blacklist, or Updata time-whitelist.
Enable	Enable the security settings.
Start Address	Enter a single IP address or a start IP address of a network
	segment.
Add IP Address	Click Add IP Address to add a single IP address.
End Address	Enter the end IP address of a network segment.
Add IP Segment	Click Add IP Segment to add the IP addresses from the start IP
	through the end IP.
	NOTE NOTE
	The system supports up to 64 IP addresses.

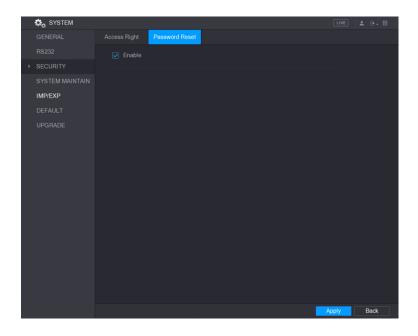
Step 3 Click **Apply** to complete the settings.

Enabling Password Reset

Select Main Menu > SYSTEM > SECURITY > Password Reset, the Password Reset interface is displayed. The Enable check box is selected by default.



If you clear the **Enable** check box, you can only use the security questions to reset the password. Make sure you have set the security questions before clearing the check box.

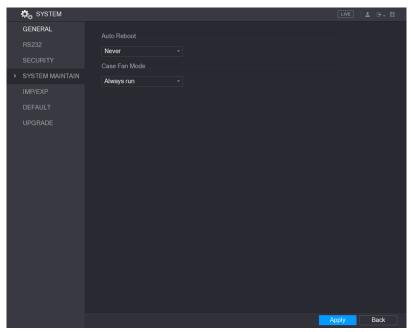


Configuring System Maintenance Settings

When the Device has been running for a long time, you can configure the auto reboot when the Device is not working. You can also configure the case fan mode to reduce noise and extend the service life.

Step 1 Select Main Menu > SYSTEM > SYSTEM MAINTAIN.

The **SYSTEM MAINTAIN** interface is displayed.



Step 2 Configure the settings for the system maintenance parameters.

Parameter	Description
Auto Reboot	In the Auto Reboot list, select the reboot time.

Parameter	Description
Case Fan Mode	In the Case Fan Mode list, you can select Always run or Auto.
	If you select Auto , the case fan will stop or start according to the
	external conditions such as the Device temperature.
	NOTE
	Not all models support this function, and it is only supported on
	the local configuration interface.

Step 3 Click **Apply** to complete the settings.

Exporting and Importing System Settings

You can export or import the Device system settings if there are several Devices that require the same setup.

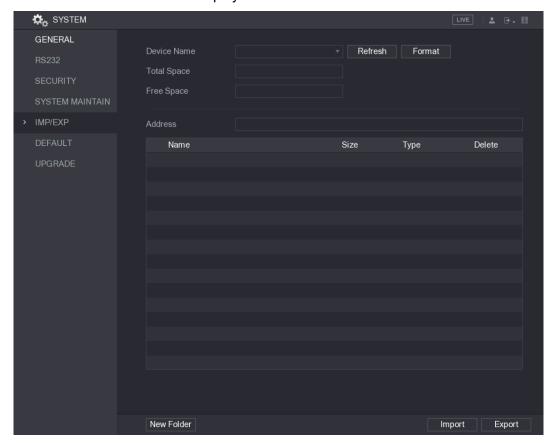
NOTE

- The **IMP/EXP** interface cannot be opened if the backup operation is ongoing on the other interfaces.
- When you open the IMP/EXP interface, the system refreshes the devices and sets the current directory as the first root directory.
- Click Format to format the USB storage device.

Exporting System Settings

Step 1 Select Main Menu > SYSTEM > IMP/EXP.

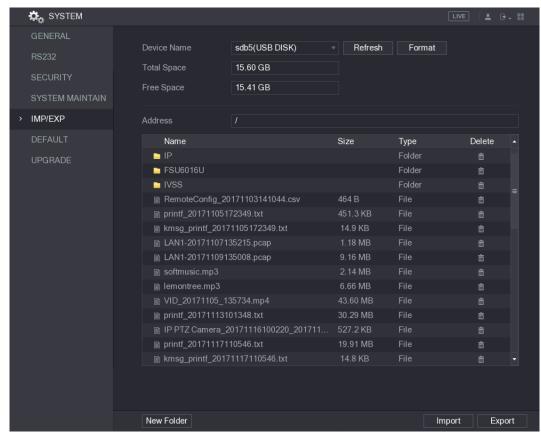
The IMP/EXP interface is displayed.



Step 2 Insert a USB storage device into one of the USB ports on the Device.

Step 3 Click **Refresh** to refresh the interface.

The connected USB storage device is displayed.



Step 4 Click Export.

There is a folder under the name style of "Config_[YYYYMMDDhhmmss]". Double-click this folder to view the backup files.

Importing System Settings

<u>Step 1</u> Insert a USB storage device containing the exported configuration files from another Device) into one of the USB ports on the Device.

Step 2 Select Main Menu > SYSTEM > IMP/EXP.

The IMP/EXP interface is displayed.

Step 3 Click **Refresh** to refresh the interface.

The connected USB storage device is displayed.

<u>Step 4</u> Click on the configuration folder (under the name style of "Config_[YYYYMMDDhhmmss]") that you want to import.

Step 5 Click Import.

The Device will reboot after the imported is succeeded.

Restoring Default Settings

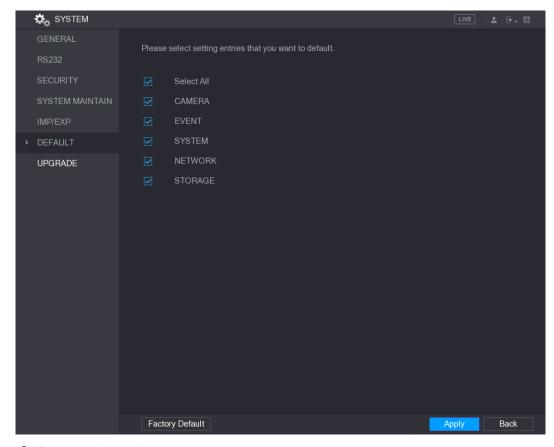
₩ NOTE

Only Admin account supports this function.

You can select the settings that you want to restore to the factory default.

Step 1 Select Main Menu > SYSTEM > DEFAULT.

The **DEFAULT** interface is displayed.



Step 2 Restore the settings.

- Select the settings that you want to restore, and then click **Apply**. The system starts restoring the selected settings.
- Click Factory Default, and then click OK. The system starts restoring the whole settings.

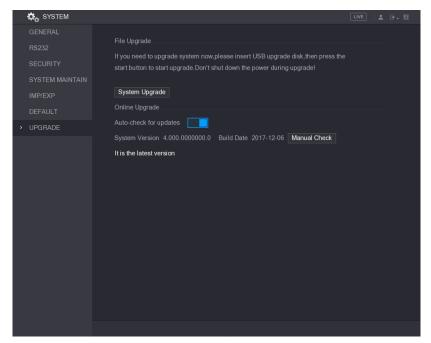
Upgrading the Device

Upgrading File

<u>Step 1</u> Insert a USB storage device containing the upgrade files into the USB port of the Device.

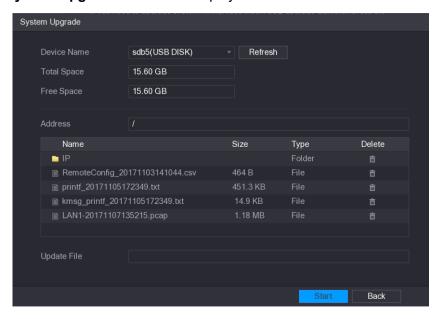
Step 2 Select Main Menu > SYSTEM > UPGRADE.

The **UPGRADE** interface is displayed.



Step 3 Click System Upgrade.

The **System Upgrade** interface is displayed.



Step 4 Click the file that you want to upgrade.

The selected file is displayed in the **Update File** box.

Step 5 Click Start.

Performing Online Upgrade

When the Device is connected to Internet, you can use online upgrade function to upgrade the system.

Before using this function, you need to check if there is any new version by auto check or manual check.

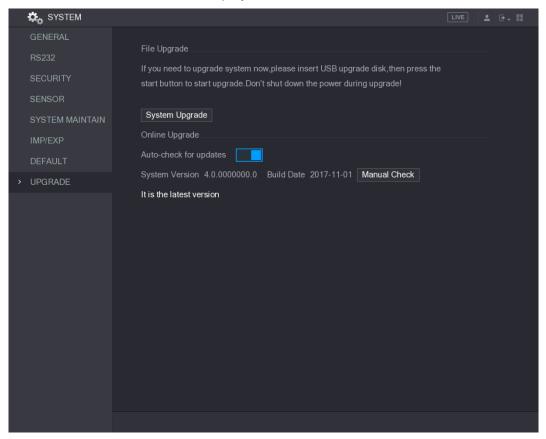
- Auto check: The Device checks if there is any new version available at intervals.
- Manual check: Perform real-time check if there is any new version available.



Ensure the correct power supply and network connection during upgrading; otherwise the upgrading might be failed.

Step 1 Select Main Menu > SYSTEM > UPGRADE.

The **UPGRADE** interface is displayed.

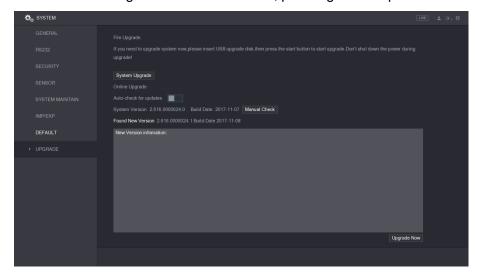


Step 2 Check if there is any new version available.

- Auto check: Enable Auto-check for updates.
- Manual check: Click Manual Check.

The system starts checking the new versions. After checking is completed, the check result is displayed.

- If the "It is the latest version" text is displayed, you do not need to upgrade.
- If the text indicating there is a new version, please go the step 3.

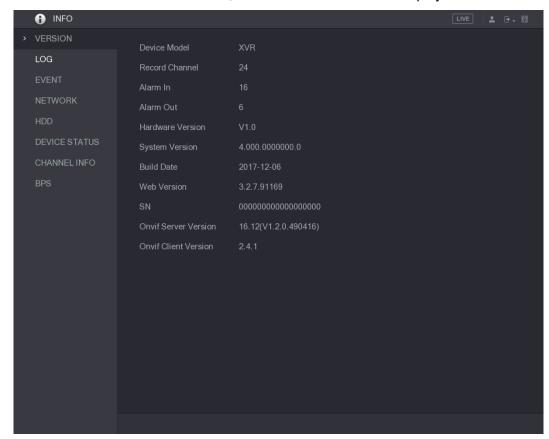


Viewing Information

You can view the information such as log information, HDD information, and version details

Viewing Version Details

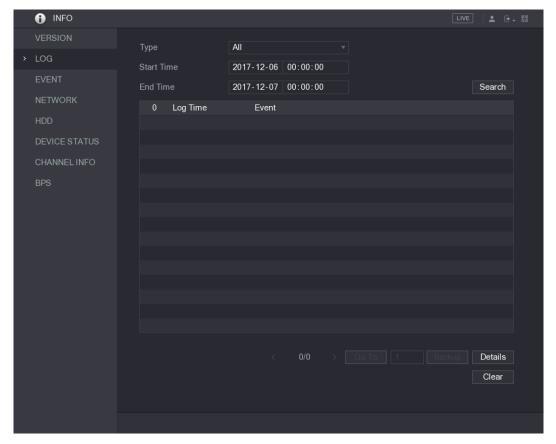
You can view the version details such as device model, system version, and build date. Select **Main Menu > INFO > VERSION**, the **VERSION** interface is displayed.



Viewing Log Information

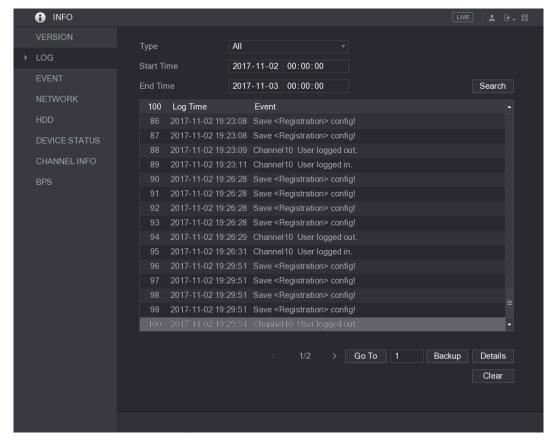
You can view and search the log information.

- NOTE
- If there is no HDD installed, the system can save up to 10,000 logs.
- If there is HDD installed and has been formatted, the system can save up to 500,000 logs.
- If there is HDD installed, the logs about system operations are saved in the memory of the Device and other types of logs are saved into the HDD. If there is no HDD installed, the other types of logs are also saved in the memory of the Device.
- When formatting the HDD, the logs will not be lost. However, if you take out the HDD from the Device, the logs might be lost.
 - Step 1 Select **Main Menu > INFO > LOG**, the **LOG** interface is displayed.



- <u>Step 2</u> In the **Type** list, select the log type that you want to view (**System**, **Config**, **Storage**, **Record**, **Account**, **Clear**, **Playback**, and **Connection**) or select **All** to view all logs.
- <u>Step 3</u> In the **Start Time** box and **End Time** box, enter the time period to search, and then click **Search**.

The search results are displayed.



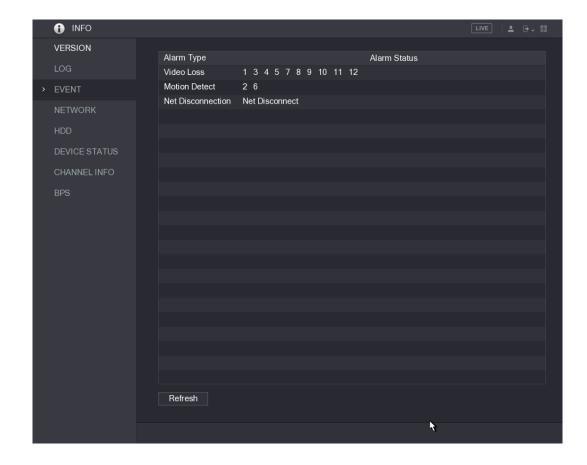
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- Click **Details** or double-click the log that you want to view, the **Detailed Information** interface is displayed. Click **Next** or **Previous** to view more log information.
- Click Backup to back up the logs into the USB storage device.
- Click Clear to remove all logs.

Viewing Event Information

You can view the event information of the Device and channel.

Select Main Menu > INFO > EVENT, the EVENT interface is displayed.



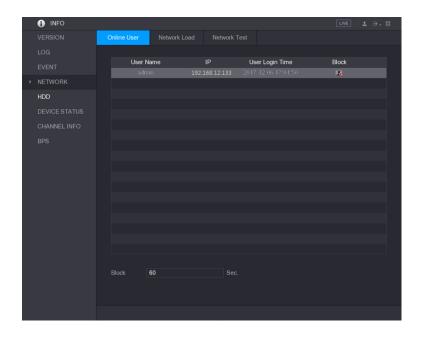
Viewing Network Information

You can view the online users, network data transmission details, and test network.

Viewing Online Users

You can view the online user information and block any user for a period of time.

Select **Main Menu > INFO > NETWORK > Online users**, the **Online users** interface is displayed.



To block an online user, click and then enter the time that you want to block this user.

The maximum value you can set is 65535.

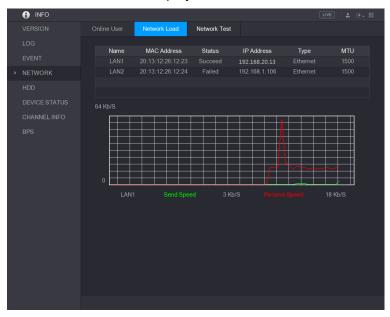
The system detects every 5 seconds to check if there is any user added or deleted, and update the user list timely.

Vewing the Network Load

Network load means the data flow which measures the transmission capability. You can view the information such as data receiving speed and sending speed.

Step 1 Select Main Menu > INFO > NETWORK > Network Load.

The **Network Load** interface is displayed.



<u>Step 2</u> Click the LAN name that you want to view, for example, LAN1.

The system displays the information of data sending speed and receiving speed.

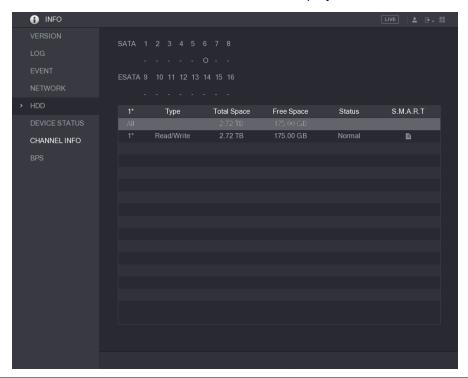
\square NOTE

- The default display is LAN1 load.
- Only one LAN load can be displayed at one time.

Viewing HDD Information

You can view the HDD quantity, HDD type, total space, free space, status, and S.M.A.R.T information.

Select Main Menu > INFO > HDD, the HDD interface is displayed.

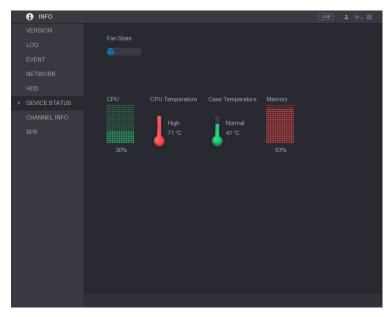


Parameter	Description	
	Indicates the quantity of HDD that can be installed. The total quantity	
SATA	is different depending on the model you purchased.	
SAIA	o: HDD is in normal working status.	
	-: No HDD is installed.	
No.	Indicates the number of the currently connected HDD. * means the	
INO.	current working HDD.	
Туре	Indicates HDD type.	
Total Space	Indicates the total capacity of HDD.	
Free Space	Indicates the usable capacity of HDD.	
Status	Indicates the status of the HDD to show if it is working normally.	
S.M.A.R.T	View the S.M.A.R.T reports from HDD detecting.	

Viewing Device Status

You can view the information such as CPU temperature and memory usage to know the device status.

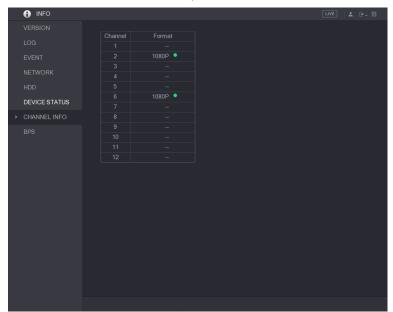
Select Main Menu > INFO > DEVICE STATUS, the DEVICE STATUS interface is displayed.



Viewing Channel Information

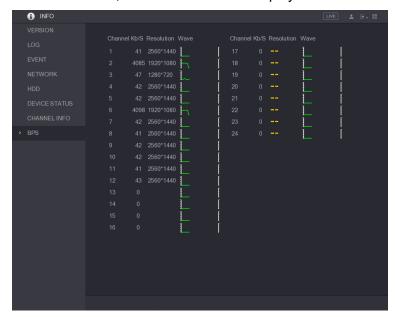
You can view the camera information connected to each channel.

Select Main Menu > INFO > CHANNEL INFO, the CHANNEL INFO interface is displayed.



Viewing Data Stream Information

You can view the real-time data stream rate and resolution of each channel. Select **Main Menu > INFO > BPS**, the **BPS** interface is displayed.



Logout the Device

On the top right of the Main Menu interface or on any interface after you have entered the Main Menu, click

Main Menu, click

- Select **Logout**, you will log out the device.
- Select **Reboot**, the Device will be rebooted.

Select Shutdown, the Device will be turned off.



Uniden® Quick-Start Guide GXVR 55 Series Security XVR System

Use this Quick-Start Guide for basic installation and setup procedure. For more detailed instructions refer to the online Owner's Manual on the Uniden website www.uniden.com.au.

In the Box

Model	8-Ch 2TB XVR GXVR55800	PIR Camera GDC5510
	* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
GXVR 55840	1	4
GXVR 55880	1	8

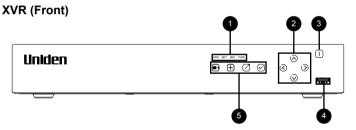


If any item is missing or damaged, contact your place of purchase immediately. **Never use damaged products!** Need help? Get answers at our website: **www.uniden.com.au** for Australian models

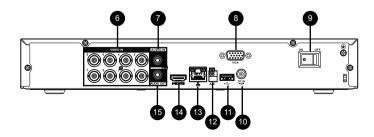
Important Safety Instructions

- 1. Do not drop, puncture or disassemble the XVR or the camera.
- 2. The XVR is NOT weatherproof.
- The cameras are weatherproof and have an IP66 rating. Water can be sprayed on it and it will still work, however, the camera cannot be submerged in water.
- Never tug on the power cords. Do not expose the XVR or camera to high temperature or leave it in direct sunlight. Doing so may damage the units.
- 5. For your own safety, avoid using the camera or power off the camera when there is a storm or lightning.
- Ground the unit to protect the unit from damage in damp environments.
- 7. Use only the accessories and power adaptors supplied.

Getting to Know Your XVR



XVR (Rear)*



Indicators & Connections

No.	Label	Function
1	LED Indicator	HDD: Glows to when there is a hard drive error. NET: Glows when there is a network error or not connected. REC: Glows when system is in recording state. Turns off when the system in not recording. POWER: Glows to indicate the system is on.
2	Directional buttons	Press to move cursor in menus.
3	Power button	Press and hold to power on/off the system.
4	USB 2.0 port	Connect to a mouse/USB storage device to back up files or upgrade firmware.
5	Shortcut button	Press to open manual recording controls. Press to change split screen layout. Press to go back / exit menu. Press to confirm selections.
6	Video input port	Connect GDC5510 or standard analog cameras to the system
7	Audio input port	Connect an audio input device such as microphone (not included) to record audio.
8	VGA output port	Connect a VGA monitor (not included) to view the system interface.
9	ON/OFF switch	Turns the XVR on or off.
10	Power input port	Connect the 12V DC adapter to power up the unit.
11	USB 3.0 port	Connect to a mouse/USB storage device to back up files or upgrade firmware.
12	RS-485 port	Connect to a RS-485 control devices.
13	Network port	Connect to the internet with Ethernet cable
14	HDMI output port	Connect to a monitor/TV (not included) to view the system interface.
15	Audio input port	Connect to audio output device such as speaker.

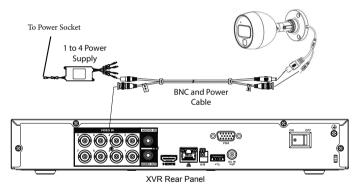
Placing the XVR

Please take into consideration the following when placing the XVR.

- Ideally, choose a location that is central and has easy access to power sockets.
- Choose a secure location to avoid tampering, however, avoid enclosed areas as that might lead to overheating of the unit.
- Ensure that the ventilation holes at the side of the XVR are not blocked to avoid unit from overheating.

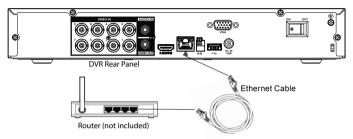
Camera Connection

- Connect the camera video output and power input connections with corresponding BNC and Power cable corresponding to the connections.
- Connect the other end of BNC and Power cable to the connections on supplied 1 to 4 Power Supply and video input port on the XVR unit. Repeat this steps for every camera included.
- 3. Connect the 1 to 4 Power Supply to a power socket.



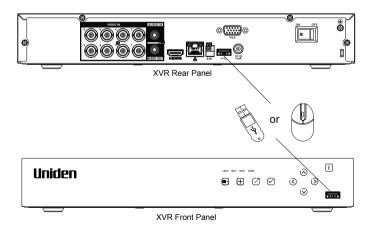
Network Connection

- Connect the supplied Ethernet cable to the network port on the XVR unit.
- Connect the other end of Ethernet cable to a router (not included). This will allows the XVR connected to the internet.



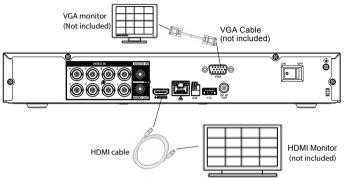
USB Connection

- 1. Connect one of the USB ports on the XVR unit with the supplied mouse.
- You can connect the other USB port with USB storage device (not inlcuded) to back up files or to perform firmware upgrades.



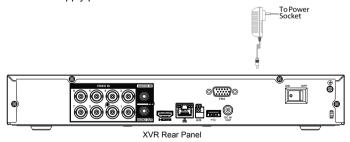
HDMI and VGA Connections

- Connect the HDMI port on the XVR unit to a HDMI supported monitor or TV with the supplied HDMI cable.
- If your TV or monitor only has VGA input port please connect it with a VGA cable (not inlcuded) to the VGA video output port on the XVR.



Power Connection

- Connect the power input port on the XVR with supplied XVR 12V DC power adapter.
- 2. Connect the power adapter to power outlet.
- 3. Ensure your connections are secured correctly, then switch on the power outlet to supply power.



Welcome to Device Initialization

After the XVR unit and cameras are powered up, Device Initialization will automatically show up upon first start up.

Default username is admin.

Set the login password. The password has to contain two or more character categories and must exclude (' ", ; : &) characters.

You can refer to online Owner's Manual to change or add more user name or modify the password for security reason in system setting.

Important! Do not enter the wrong password more than 5 times when prompted or the XVR will lock. If this happens, you can reboot the XVR or try again in 30 minutes!



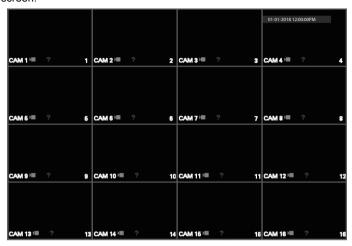
Startup Wizard

After initialize the device, it goes to startup wizard. Here you can configure your device. You will need to set the date and time for the recorded video files to be correctly tagged. If they are not tagged correctly, the Search Files functions will not work properly.



Live Viewing

If all the connections correctly, the system will allow live viewing mode. The screen will display the date and time at the top right corner of the screen.



Icon Labels:

1		Recording Status	3	•	Video Loss
2	B	Motion Detection	4	40	Camera Lock

You can right click with your mouse on the interface to open Quick Menu that allow for more advanced settings. Please refer to Owner's Manual at Uniden website for more settings.

Using the Mouse

LEFT-CLICK:

- During split-screen display mode: Double click an individual channel to view it in full-screen. Double click again to return to the split-screen display mode.
- · While navigating menus: Click to open a menu option.

RIGHT-CLICK:

- During live view: Right-click anywhere on the screen to open the Quick Menu.
- · Within system menus: Right-click to exit menus.

SCROLL WHEEL:

· During live view: Use the scroll wheel to zoom in/out.

Playback and Search

- 1. From live view, right-click and then click Playback.
- Log in using the system user name (default: admin) and your new, secure password.
- 3. Use the calendar on the right to select the date to playback.
- Use the drop-down menus to select the channels you would like to playback.
 Click the display options to playback multiple channels simultaneously
- Click inside the video bar to select the playback time. Playback starts immediately at the selected time

Adding IP Cameras from the same network

- Switch on IP channel setting in the system menu. The system will reboot to take effect.
- 2. Connect the camera to a router or switch on the same network as the XVR.
- Right-click on the live view screen to open Quick Menu and select Remote Device. Log in using the system user name (default: admin) and your new, secure password.
- 4. Click Device Search.
- 5. Check the camera(s) you would like to add.
- Click Add. The Status indicator turns green to show the camera is successfully connected.
 - NOTE: If the Status indicator is red, click the pencil icon to update/modify the camera user name, password, ports, and manufacturer as needed
- 7. Right-click to return to live view.

Using the App

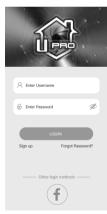
Before You Start:

- Make sure you have a router and high-speed Internet access (not included).
- Connect your XVR to your router using an Ethernet cable.
- Please note that an upload speed of 0.5 Mbps is required for each channel remote video streaming.
- 1. Download and install the Guardian 365 Pro app from the Apple App Store or Google Play,
- Open the app. The Login screen appears. Login if you already have an account for the app or sign up a new account and follow the instruction in the app to login.



- 3. The DASHBOARD screen displays.
- Tap the '+' icon at the top right corner to add the XVR system to the app. The Add Device screen displays.



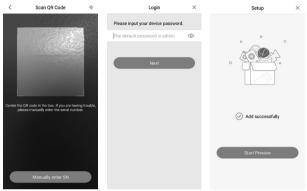




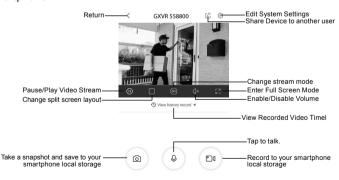
 Please note that app user interface might differ in terms of icons layout and functionality on different platforms.

Some features may not work with the cameras included and may work with other optional cameras.

- 5. Scan the Device ID QR code on the top of the XVR.
- 6. Enter the your XVR new, secure password.
- Once the system added successfully, tap Start Preview to view live video.



Congratulations! You can now view video from your cameras on your smartphone.



ONE-YEAR LIMITED WARRANTY

GXVR 55 Series

Important:

Satisfactory evidence of the original purchase is required for warranty service. Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor:

The warrantor is Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden Aust").

Terms of Warranty: Uniden Aust warrants to the original retail purchaser only that the GXVR 55 Series ("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty Period: This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire, as indicated below, from the date of original retail sale.

Product	1 Year	
Accessories	90 Days	

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

- A. Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;
- B. Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust;
- C. Improperly installed contrary to instructions contained in the relevant Owner's Manual
- D. Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or
- E. Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered: This warranty covers the Product and included accessories

User-generated Data: This warranty does not cover any claimed loss of 12

or damage to user-generated data (including but without limitation phone numbers, addresses and images)that may be stored on your Product.

Statement of Remedy: If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for Obtaining Warranty Service: Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden. Please refer to the Uniden website for address details. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD

Phone number: 1300 366 895 Email: custservice@uniden.com.au



Uniden®

Guardian 365 Pro App Guide

For more exciting new products please visit our website:

Australia: www.uniden.com.au

OWNER'S MANUAL

Privacy Protection Notice

As the device user or data controller, you might collect personal data of others' such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area, providing data subject with proper access to their personal data and providing related contact.

About this Manual

- The Manual is a general document for introducing the Guardian 365 Pro App (installed in iOS smartphone and Android smartphone). There might be some descriptions not apply to the device you added to Guardian 365 Pro account, or the interfaces might be different, or the operations might be different, or the appearances might be different, and in these cases the actual product and process shall govern.
- All the designs and software are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned herein are the properties of their respective owners.
- Any loss caused by not complying with the operations described in the Manual should be borne by the user.
- Please visit our website or contact customer service for more information.

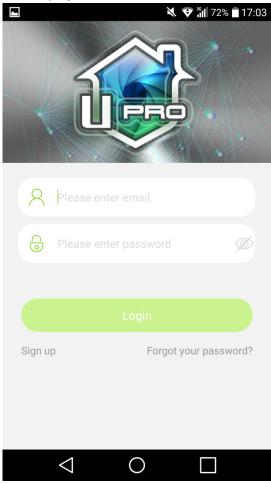
1

Basic Operations

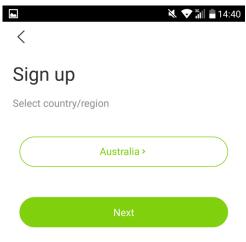
The Manual introduces the operations of Guardian 365 Pro App, and some functions might associate with the operations on the device.

1.1 Logging in Guardian 365 Pro

<u>Step 1</u> Open the Guardian 365 Pro App on your smartphone. The Login interface is displayed.



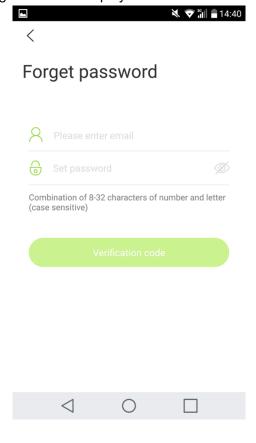
Step 2 For the first time using Guardian 365 Pro App App, tap Sign up.The Sign up interface is displayed.



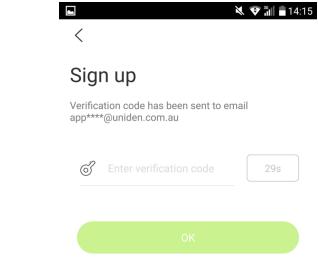


<u>Step 3</u> In the country/region list, select country or region where you are located, and then tap **Next**.

The account setting interface is displayed.



Step 4 Enter the email address for the account name and set the password, read *Uniden Privacy Policy* and tap I have read and agreed, and then tap Verification code.The verification code entering interface is displayed.





<u>Step 5</u> Get the verification code from your email box, enter the verification code, and then tap **OK**.

The Login interface is displayed and the system automatically logins Guardian 365 Pro App. You can start adding the device to your Guardian 365 Pro.

1.2 Adding a Device

You can add App Cam X series cameras and GXVR55 series to the Guardian 365 Pro App.

1.2.1 Adding an IP Camera

You can add App Cam X cameras to Guardian 365 Pro App through Wi-Fi connection or wired connection (if applicable).

Step 1 On the **Dashboard** interface, tap + on the top of the screen.

The Scan QR Code interface is displayed.



Step 2 Add the device through either of the following ways.

- Scan the QR code on the device, the device image with SN appears on the screen. Tap Next.
- Tap **Manually enter SN**, enter the serial number of the device, and then tap **Next**. The device network setting interface is displayed.

Step 3 Configure the device network setting (for App Cam X series only).

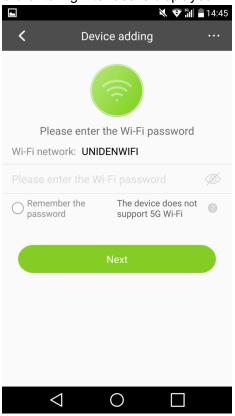
• Set the device with Wi-Fi.

₩ NOTE

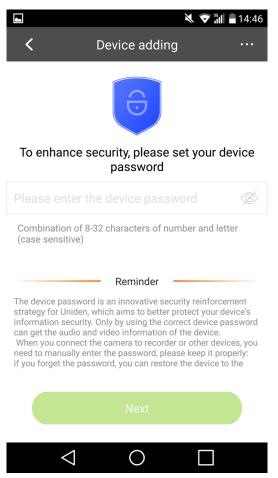
Ensure your smartphone and the device connected to the same router or access point.

1) Tap Yes, go to Wi-Fi settings.

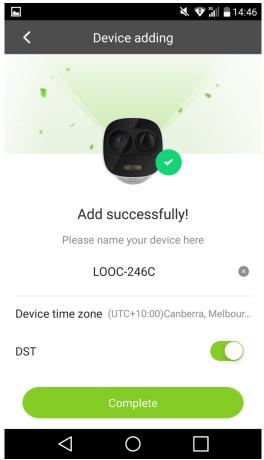
2) Tap Next till the password entering interface is displayed.



3) Enter the Wi-Fi password and then tap Next. The network configuring interface is displayed. After the connection succeeded, the password setting interface is displayed.



4) The system starts adding device to your Guardian 365 Pro account. After the device is added, the connected status interface is displayed.



5) Configure the time zone, DST, and default settings according to your requirement, and then tap **Next**.

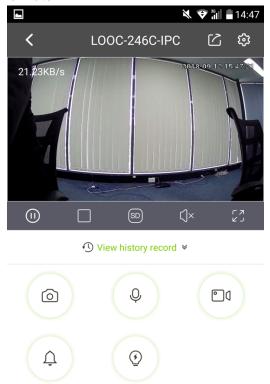
The live view interface is displayed.

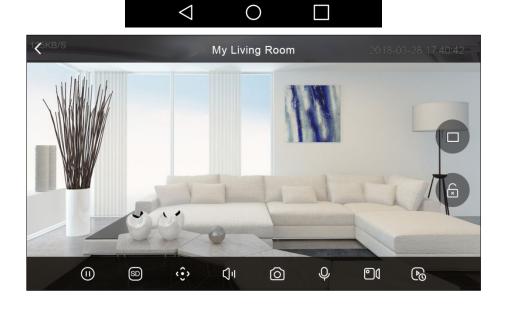


The settings of time zone and DST will affect some functions uses of Guardian 365 Pro App. Please configure correctly.

1.3 Live View

The live view provides you a real-time video display. You can perform the operations such as pause, window splitting, and mute.





Icon	Function
(b) (II)	Plays or pauses the video.
	Switches between single-window view and four-window view.
SD HD	Switches between standard definition and high definition.
⟨] · I ⟨] ×	Mutes or unmutes the video.
רא	Displays video in landscape mode. Tap to exit the landscape display mode.
	In landscape display mode, tap to lock the screen from auto switching to normal display mode by gravity. The icon switches to
① _, 🕞	Tap the view record history icon to view the recorded videos.
	Tap this icon to take a snapshot.
, Q	Tap this icon to enable two-way talk function. The icon switches to in normal display mode and in landscape display mode. Tap again to stop two-way talk function.
	Tap this icon to start instant recording. The icon switches to in normal display mode and in landscape display mode.
(ŷ) 	Tap this icon to display the PTZ control panel. You can move the camera in both horizontal and vertical direction to get different angle of view. NOTE This function is available only on the camera supporting PTZ.

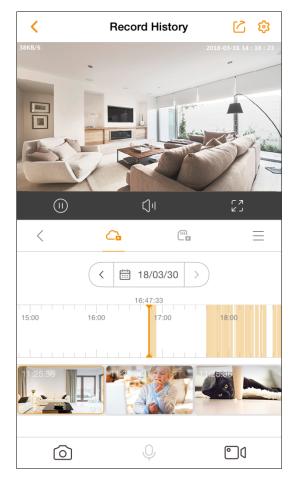
1.4 Playing Back the Recorded Video

- On the live view interface in normal display mode, click View record history.
- On the live view interface in landscape display mode, click

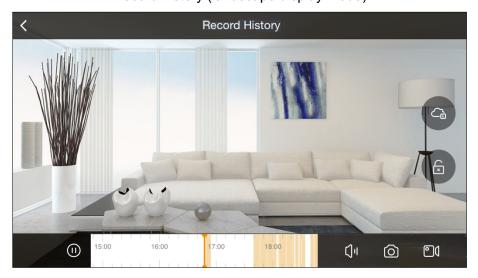


The **Record History** interface is displayed.

Record history (normal display mode)



Record history (landscape display mode)



Record history interface

Icon	Function
(b) (I)	Plays or pauses the recorded video.
√ √ × √ × √ × √ × √ × √ × ✓ × ✓ × ✓ × ✓ × ✓ × ✓ × ✓ × ✓ ✓ × ✓ ✓ × ✓	Mutes or unmutes the video.
ド コ	Displays video in landscape mode. Tap to exit landscape mode.
	Tap this icon to take a snapshot.
1	Tap this icon to start instant recording. The icon switches to in normal display mode and in landscape display mode.
<, =	Tap this icon to exit the record history and display the live view interface.
Ci	In the normal display mode, tap this icon to display the recorded videos that are stored in the Cloud server. The icons turns to once it is selected.
	In the normal display mode, tap this icon to display the recorded videos that are stored in the SD card. The icons turns to once it is selected.
	In landscape display mode, switches between displaying the recorded videos that are stored in the Cloud server and that are stored in the SD card.
=	Tap this icon to display the videos that are either stored in the Cloud service or in the SD card in list.
	In landscape display mode, tap to lock the screen from auto switching to normal display mode by gravity. The icon switches to
(18/03/30)	In the calendar list, select the time when you want to view the recorded videos. This function is only available in normal display mode.
160g 150g	The time bar shows the time when there are recorded videos. Tap and hold the time bar to drag to the time where you want to view the recorded video. NOTE The orange represents recorded videos of local alarm event, and the blue represents general recorded videos.

1.5 Using Cloud Storage Service

The Guardian 365 Pro App provides you the Cloud service to extend your storage capability. To use this service, do the following:

Step 1 On the **Device** interface, tap



<u>Step 2</u> Tap the check box of the service type that you want to buy, tap **Buy**, and then follow the onscreen instructions to complete the purchasing.

After the Cloud service is purchased, the turns to .

1.6 Managing Device

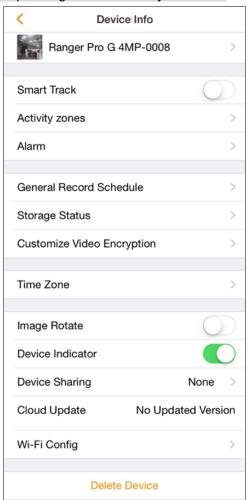
You can configure the settings for the added device, such as recording schedule, time zone, and alarms.

To enter the device management interface, tap **My Device** on the **Settings** interface, and then tap the device name.

The **Device Info** interface is displayed.

NOTE

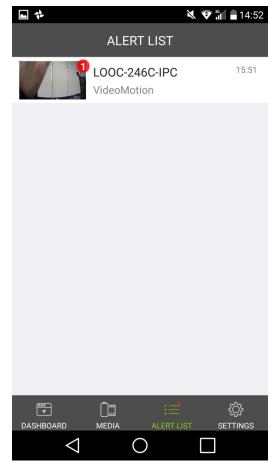
The Device Info interface shows the functions that you can configure on the device. The actual interface might be different depending on the device you added.



Parameter	Function
Device name	Displays device information such as device name, model name, and
	SN. You can also reset device password from here.
	If the Smart Track function is enabled, when there is an object
Smart Track	appears, the camera automatically follows its moving track till it is out
	of the view.
Activity zones	You can define a motion detection area. When the object appears in
7.00.7.19	this area, the system activates alarm.
Alarm	Enables the alarm activation function, such as motion detection, local
	alarm, and PIR alarm.
General Record	You can configure the schedule for recording video.
Schedule	
Storage Status	You can view the storage status of cloud storage and device SD card
	storage.
	If the Customize Video Encryption function is enabled, you can set
Customize Video	a password for viewing the videos that are stored in the Cloud. When
Encryption	you log in Guardian 365 Pro App from other smartphones, you should
	enter this password for the first time to access the live view interface.
Time Zone	You can configure the time zone and enable DST for the device.
Image Rotate	Enables the image rotate function.
Device Indicator	Enables the indicator function.
Device Sharing	You can share the added devices to other Guardian 365 Pro Appusers.
Cloud Update	Indicates if there is an updated version.
Wi-Fi Config	You can configure the Wi-Fi connection settings from here.
Delete Device	Tap Delete Device to delete the device from your Guardian 365 Pro
Delete Device	Арр.

1.7 Alert List

You can view the alerts on the Alert List interface.



Alert List

All notification that relates to your device will be shown here. Tap the video to enter the calendar interface. Tap the date that you want to view the recorded videos, and the videos satisfying requirement display. Then you can tap the specific file to view the recorded video.

1.8 Settings

To modify account settings.

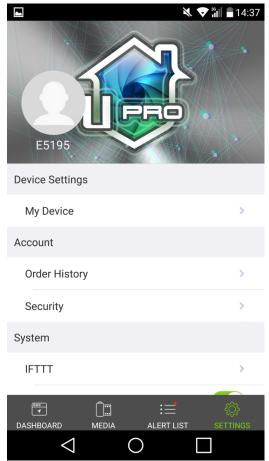


Table 1-1 Account information

Parameter	Function
My Device	Enters the device information interface.
Order History	View the orders of Cloud storage plan such as unpaid order, paid order, and cancelled order.
Security	To modify Guardian 365 Pro account information.
IFTTT	If This Then That (IFTTT) is a free web-based service to create chains of simple conditional statements which are called applets. An applet is triggered by changes that occur within other web-services, app, or devices such as Gmail, Facebook, or Guardian 365 Pro.
Push	To enable/disable push notification
Period	Push notification operating period.
Reset Device Password	To reset device password
About	View app information
FAQ	To view frequent asked question
Clear Cache	Clear App Cache on mobile device

1.9 Using IFTTT Function

To introduce IFTTT function, the Manual takes activating alarm mode when you leave home as an example. This operation links your smartphone GPS to the alarm mode of your camera.

Step 1 On the **Me** interface, tap **IFTTT**.

The **IFTTT** main interface is displayed.

Step 2 Tap When I have home, toggle camera alarm mode.

The function introduction interface is displayed.

Step 3 Tap Continue.

The email reservation interface is displayed.

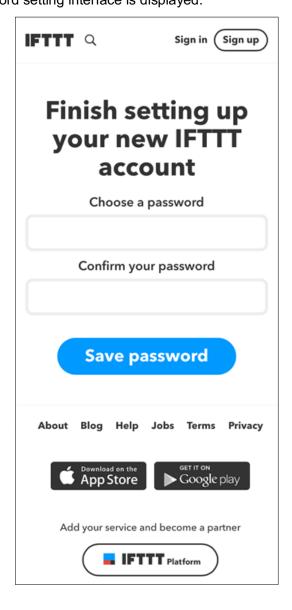
Step 4 Tap Get started.

NOTE

If you have already had an IFTTT account, tap Sign in.

The interface indicating that the account details have sent to your email address is displayed.

- <u>Step 5</u> Set a password for your account.
 - 1) Open your email box and find the email sent from IFTTT.
 - Tap Choose a password.
 The password setting interface is displayed.



3) Tap Save password.

Now the password setting from your email box has been completed. You can return to your Guardian 365 Pro App.

Step 6 On the Guardian 365 Pro App, tap Connect Location.

The interface indicating your location and IFTTT account are now connected is displayed.

Step 7 Tap Connect Guardian 365 Pro.

The account login interface is displayed. Sign in with Guardian 365 Pro account

Step 8 Enter the user name and password, and then tap Sign in.

The alarm area and alarm mode setting interface is displayed.

Step 9 Set alarm area and alarm mode.

- 1) In the area box, enter an address. The GPS location circle adjusts automatically by taking the entered address as the center.
- 2) In the device list, select a device which you want to set with this function.
- 3) In the mode list, select on or off.
 - ♦ On: When your exit this area, the alarm is turned on with the selected device.
 - ♦ Off: When you exit this area, the alarm is turned off with the selected device.

Step 10 Tap Save.

The interface showing the function enabled is displayed.

Now you can start enjoying your IFTTT function.

