H.265 VANGUARD II Series

User's Manual





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This product complies with the High-Definition Multimedia Interface (HDMI) Specification Adopter Agreement.

The information in this manual was current upon publication. The manufacturer reserves the right to revise and improve his products. Therefore, all specifications are subject to change without prior notice. Manufacturer is not responsible for misprints or typographical errors. Please read this manual carefully before installing and using this unit. Be sure to keep it handy for later reference.

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Chapter



1. Introduction

This manual describes all the software functions on the user interface of the DVR system and can be applied to all of H.265 VANGUARD II series models listed as below:

- VANGUARD II 4x2H
- VANGUARD II 8x4H
- VANGUARD II 4 Lite
- VANGUARD II 8 Lite
- VANGUARD II 16 Lite

For more information on the product specifications, please refer to the datasheet of each product. To download datasheet, please click **Download** on each Product page on EverFocus Website

http://www.everfocus.com.tw



Chapter



2. Accessing the Web Interface of the System

You can look up the IP address and access the Web interface of the NVR using the IP Utility (IPU) program. The IP Utility can be downloaded from <u>EverFocus website</u> (key word search: "IP Utility").

1. Save **IP Utility Setup .exe IP** in your computer. Double click the .exe file and follow the on-screen instructions to install the IP Utility.



2. Click the **Finish** button, the IP Utility will be automatically launched to search the IP devices connected on the same LAN.

🕞 IP Utility V4.3.0_150528	3	_	-		Ľ		٢		
File Edit View Tool	Help								
🕄 占 🔊	B 🕼 🐌	2	Port V		Q Sear	ch 🜔	3		
Machine Name	Mac Address	Model	IP Address	IP Type	Port	Status	*		
VANGUARD II 8x4H	00:5A:20:3E:80:55	VANGUARD II 8	192.168.31.71	DHCP	80				
•						•			
Left click to select or unselect devices. Right click to edit									

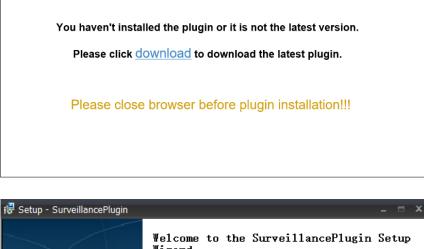
3. To access the Live View window, double click the IP address of the desired device, the login window pops up. Type the user ID and password to log in.

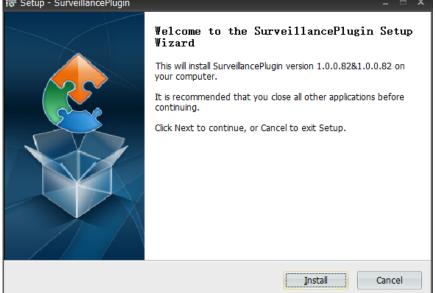




Note for the first time login:

When the Plug-in blocked appears on the browser, click **download** to download the plug-in and install to your computer. Reload the webpage and you should see the remote live view page now.





If you encounter the following problem or still can't access the remote Web interface, please follow the instructions below:

- If the ActiveX is not downloaded successfully, please check if your browser's safety level or firewall setting is set too high. Enable the following options on the Security Settings window (IE Browser < Tools < Internet Options < Security < Internet < Custom Level).
 - ✓ Automatic prompting for ActiveX controls
 - ✓ Script ActiveX controls marked safe for scripting

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If your PC or laptop is running with Windows, it's required to run the browser as administrator when first entering the remote web page of the device. Go to C:\Program Files (x86)\Internet Explorer, right-click the browser and then click Run as administrator.

 Computer 	► Local Disk (C:) ► Program Files (x86) ► In	ternet Explorer 🔸
🖬 Open	Burn New folder	
	Name	Date modified
ads	iexplore hmn	11/21/2010 1
Places	🚳 iecol 🧐 Run as administrator	/ 1/2010 1

 If you are unable to backup or record during remote operation, you may need to turn off the firewall and turn User Account Control off.

To turn User Account Control off, on the computer, click Start > Control Panel > System and Security > Action Center (click Change User Account Control Settings), the User Account Control Settings window appears. Adjust the slide bar to Never Notify and then click OK. Restart your computer if requested.





Chapter



3. Getting Started

After pressing the power switch to turn on the DVR, the DVR will enter the System Initialization process. When the process is done, it's required to set up a password for the administrator account immediately in order to protect your privacy.

Login										
Language	English 🗸									
Device ID	000000	(000000)								
New Admin Name	admin									
Password Strength		High								
New Admin Password	•••••	Show Password								
Confirm Password	•••••	Show Password								
Enable Unlock Pattern	Disable 🗸 🗸									
	Apply									

Language: Select an OSD language.

Device ID: Input the device ID. The default ID is 000000. For more details about the Device ID, please refer to *4.9.1.1 General*.

New Admin name: Optionally input a name if you want to set up a name of the administrator account.

Password Strength: Displays the security strength of the setup password.

New Admin Password: Set up a password of the administrator account. The password must be a combination of at least 8 characters (alphabetic, numeric, or special characters).

Confirm Password: Enter the password again.

Enable Unlock Pattern: If you want to login the system with a pattern lock, select **Enable** from the drop-down list and then click the **Draw** button to draw a pattern. To disable the Unlock Pattern function, please refer to **User Edit** in 4.9.2 User Account.

Apply: Click to save the settings.



After clicking the **Apply** button, the below Unlock page appears. Input the **User Name**, **Password** and then click **Unlock**.

	Unio	ck	
Language	English	~	
Device ID	000000		(000000)
User	admin	×	
Password	•••••		Show Password
	Forgot Password	Unlock	\$

3.1 Turning On / Off the Power

Before powering on the DVR, please make sure the internal HDDs have been installed properly. Once you have completed the basic cable connections, you are ready to turn on the DVR. Simply plug in the power source and then press the **Power Switch** on the rear panel of the DVR to turn on the DVR. The POWER LED will light up if power is normal. Once the system has finished loading, you can start setting up the menu options for the DVR.

To turn off the power, please refer to *Shutdown* in *4.10 Exit* for more details.



3.2 Startup Wizard

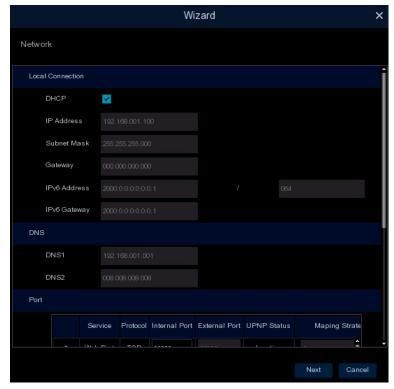
The Startup Wizard will guide you through some basic settings for the DVR. Please follow the onscreen instructions to proceed.

Note: If you don't want to run the startup Wizard to make any settings when you restart the DVR next time, you can go to **OSD Menu** > **System** > **General** > **General** and then uncheck the **Start wizard** function.

1. Click the **Start Wizard** button to start with the startup wizard.



2. Configure the Network settings. Click Next to proceed.





[Local Connection]

DHCP: For DHCP users, check DHCP, the router will automatically assign all the below IP parameters to the DVR.

IP Address: The IP address of the DVR. The IP address consists of four groups of numbers, separated by periods. For example, "192.168.001.100".

Subnet Mask: Subnet mask is a network parameter which defines a range of IP addresses that can be used on a network. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".

Gateway: This address allows the DVR to access the Internet. The format of the Gateway address is the same as the IP Address. For example, "192.168.001.001".

IPV6-IP Address: The IPV6 address of the DVR.

IPV6-Gateway: This address allows the DVR to access the Internet.

[DNS]

DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually, it's enough to just enter the DNS1 server address.

[Port]

Web Port: The Web port can be used to remotely login the DVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.

Client Port: The Client port can be used to send information through (e.g. using the mobile app). If the default port 9000 is already taken by other applications, please change it.

RTSP Port: The RTSP port allows the DVR to transmit real-time streaming to other devices (e.g. using a streaming media player).

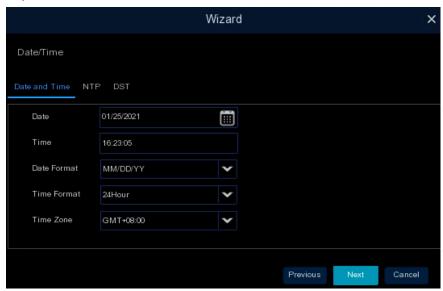
HTTPS: The Hypertext Transfer Protocol Secure (HTTPS) is a combination of the Hypertext Transfer Protocol and the SSL/TLS protocol that provides encrypted communication and secure identification of a network web server.

(PPPoE)

PPPoE is an advanced protocol that allows the DVR to connect to the network via a DSL modem. To enable the PPPoE function, check **Enable PPPoE**, input the **User Name** and **Password** provided by your Internet Service Provider.



3. Configure the Date/Time settings. You can also configure the NTP and DST settings. Click **Next** to proceed.



[Date and Time]

Date: Click on the calendar icon to set the system date.

Time: Click to set the system time.

Date Format: Select a date format from the drop-down list.

Time Format: Select a time format from the drop-down list.

Time Zone: Select a time zone of your region.

[NTP]

NTP stands for Network Time Protocol. This feature allows you to synchronize the DVR date and time automatically over the Internet with the NTP server. Please ensure the DVR has been connected to the Internet before enabling the NTP function.

To enable NTP, check **Enable NTP**, select an NTP server from the drop-down list or input one of your region. Click **Update Now**.





[DST]

DST stands for Daylight Saving Time.

Date/Time									
Date and Time NTP DST									
Enable DST	×								
Time Offset	1Hour	¥							
Daylight Saving Time	Week	¥							
Start Time	Mar.	¥	The 2nd	¥	Sun.	¥			
End Time	Nov.	~	The 1st	~	Sun.	~			

Enable DST: Check the box to enable the Daylight Saving Time (DST) function.

Time Offset: Select the amount of time to offset for DST.

Daylight Saving Time: Choose to set up the daylight saving time in weeks or in days.

Start Time/End Time: Set the start time and end time for DST.

4. This page is only available if the hybrid mode (HVR) is selected (refer to *4.9.1.1 General* for more details). You can add IP cameras on this page (please refer to *4.1.1.2 IP Channels* for more details). Click **Next** to proceed.

Wizard												
IP Cam	IP Camera											
	No.	IP Address/Domain			Channel		Edit	State				
		192.168.33.7			IP CH1							
		192.168.33.10			IP CH2	0						
		192.168.33.43			IP CH3	0						
		192.168.33.63			IP CH4	0						
		192.168.33.66			IP CH5	•						
		192.168.33.69			IP CH6	0						
		192.168.33.70			IP CH7	•						
		192.168.33.80			IP CH8	0						
		192.168.33.86			IP CH9	0						
	10	192.168.33.93			IP CH10	•						
	11	192.168.33.116			IP CH11	0						
	12 13	192.168.33.118 192.168.33.188			IP CH12	0						
		192,100.33,100										
۲				٠ ـ								
Search				Delete C								
					Previous	Ne	xt C	ancel				



The DVR will automatically detect the IP cameras connected on the same network. You can also click the **Search** button to search for the IP cameras again.

To add IP cameras to the DVR:

- a. Select the desired IP camera(s) on the left-side IP camera list.
- b. Click \Rightarrow to add the selected IP camera(s) to the DVR. Input the User Name and Password of the IP camera(s).
- c. You can also click ^① on the right-side list to add an individual IP camera to a single channel. Please refer to *4.1.1.2 IP Channels* for more details.
- Configure the Disk settings. For the first time use HDD or a new HDD, users have to format the HDD before use. Click to select the HDD in the Select column and then click Format HDD to format the selected HDD. You can also setup to overwrite the HDD. Click Next to proceed.

1			Wizard			×
Disk						
No. 🗸	No:	Edit	Model:	Firmware	Туре	DiskGrou
🔽 1°	ZA2021KP	Ð	ST10000VX0004-1ZE101	AV01	RW	Group1
□ ²	ZA201GCK	R	ST10000VX0004-1ZE101	AV01	RW	Group1
Overwrite	Auto	Format	t HDD			
			ŀ	Previous No	ext C	ancel

Overwrite: Select **Auto** to enable the overwrite function; **Off** to disable the overwrite function. If **Auto** is selected, the DVR will overwrite the oldest files on the HDD when HDD is full. If Off is selected, please check the HDD status regularly, to make sure the HDD is not full.

The **1/3/7/14/30/90** Days stands for the max. number of recording days. For example, if 3 days is selected, the system will only record for 3 days and then start the overwrite process, which means, the system will always keep 3-day-recordings in the storage.

Note:

- 1. Please connect the HDDs to the system in advance.
- 2. Clicking the **Format HDD** button will effectively erase the entire data in the HDD! If you do not want to format the HDD, click the **Next** button to proceed.



6. The DVR will apply the resolution best suit the connected monitor. If you want to change the output resolution, select an output resolution that matches your monitor. Click the **Apply** button. Click **Next** to proceed.

		Wi	zard			×
Resolution						
Output Resolution	1024x768	~				
	Apply					
				Previous	Next	Cancel

7. Mobile information. You can scan the QR code with **EverFocus eFVMS App** installed on your mobile device to add the DVR to your app and then remotely access the DVR (please refer to *4.9.5.1 System Info* for more details). Click **Next** to proceed.

		Wizard	×
Mobile			
P2P ID			
P2P ID	8B1ZK168GTYA7ABX		
Local Connection			
IP Address	172.20.0.199		
Subnet Mask	255.255.0.0		
Port			
Web Port	80		
Client Port	8000		
		Previous Next	Cancel



8. The setup information through this wizard will be displayed on the Summary page. Click **Finish** to close the wizard.

		Wizard		×
Summary				
System				Î
Resolution	1024×768			
Date/Time				
NTP	Off			
Network				
DHCP	On			
IP Address	192.168.1.100			
Subnet Mask	255.255.255.0			
Gateway	0.0.0.0			
DNS1	192.168.1.1			
DNS2	8.8.8.8			
PPPoE	Off			*
Do not show this window r	next time.			
			Previous	Finish

Note: You can check "Do not show this window next time" if you do not want to run the startup Wizard to make any settings when you restart the DVR next time.

9. After clicking the **Finish** button, the system will enter the Live View window (refer to *3.4 Live View Window*).

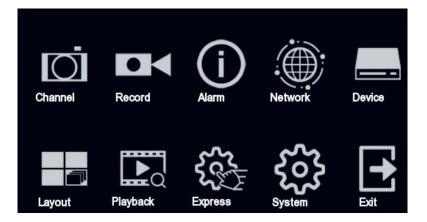
CH1	^{CH2} 01/25/2021	171:06:39	CH4
Video Loss	Video Loss	Video Loss	Video Loss
CH5	CH6	CH7	CH8
Video Loss	Video Loss	Video Loss	Video Loss
+	+	+	+
No Camera	No Camera	No Camera	No Camera



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10. To start using the DVR, click any function and the **Unlock** window appears. Input the password of the DVR and then click the **Unlock** button to unlock the screen, the OSD Setup menu appears. You can start using the DVR. Please refer to *4. OSD Menu* for more details.

	Unic	ock	
Language	English	~	
Device ID	000000		(000000)
User	admin	~	
Password	•••••		Show Password
	Forgot Password	Unlock	4





3.3 General Operation on the OSD Menu



[OSD Menu]

- 1. On the Live View window, right click the mouse, the OSD Menu appears.
- 2. Click on any icons to enter the setup menus.
- 3. To exit the OSD menu, right click the mouse. You can also exit each sub menu by right clicking the mouse.

【Text Box】

Click on the box and an on-screen keyboard will appear.

Channel Name CH1

[On-Screen Keyboard]

Click on a button to input that character.

1 2	3	4	5	6	7	8	9	0		+		
q w	е	r	t	У	u		0	р	ĺ]		
а	s (d 1	f g	h	J	k	I					
÷	z	×	c v	Þ	n	m						
+ +			J						L.			

<u>+</u>	Switch to capital letters
لې	Confirm the selection
+	Delete the letter backwards
← →	Move to the left or right
J	Enter a space



[Drop-Down Box]

Click on the down arrow to see all selections, then directly click on an option to select it.

Camera Type AUTO 🗸

[Check Box]

Click on the box to enable it (checked) or disable it (unchecked).

🥪 Show Name

[Button]

Click the button to execute the function.

Apply

[Slider]

Slide the bar to the left or right for adjusting the value.

Brightness 130



3.4 Live View Window

000	4 5	• 6 7	90
CH1 ●★◀	CH2 O1/25/2021	17:D6:36	IP CH2
CH Berton III ● Q ጭ IIII A ↔ A Video Loss	CH6 Video Loss	CH7 Video Loss	CH8 Video Loss
+ No Camera	+ No Camera	+ No Camera	+ No Camera

No	Name	Description						
		The word prefixed to the Camera Title represents:						
1	1 Camera Title	A-: The connected camera is an AHD camera. T-: The connected camera is a TVI camera.						
		C-: The connected camera is a CVI camera.						
		IP: The connected camera is an IP camera.						
2	Live Channel Tool Bar	Left click any channel can display its Live Channel Tool Bar to perform Functions including Manual Record, Manual Snapshot, Quick Playback and etc Please refer to <i>3.5 Live Channel Tool Bar</i> for more details.						
		The Status Icons displayed on the upper-right corner of each channel are designed to alert users when any of the following situations occur:						
		The channel is currently recording						
		Motion event is detected						
3	Status Icons	External I/O alarm is triggered						
		HDD error						
		HDD unformatted						
		📃 HDD full						
		S Intelligent (smart) event is triggered						



		The wordings displayed on the channel represent:
4	Channel State	VIDEO LOSS: Analog camera is disconnected.
4	chamerotate	No Camera: IP camera is disconnected.
		Username or password error: The device's username or password is wrong.
<u> </u>	System Date	Displays system date and time. To change system date and time, go to
5	and Time	OSD Menu > System > General > Date and Time.
6	Drag Channel Icon	You can drag and drop a channel to the desired position on the layout. Click on a channel, a Drag Channel icon will display. Drag and drop the channel to the desired position on the layout.
7	Quick Add	The Quick Add icon + only displays on the IP camera channel. Click to open the Quick Add menu to add IP cameras. Please refer to <i>4.1.1.2 IP Channels</i> for more details.
		Double-click on a channel can display the channel in full screen. To exit the full screen mode, double-click on the channel again.
8	Live Channel	 In full screen mode, you can: Left-click to bring up the Live Channel Tool Bar. Please refer to 3.5 Live Channel Tool Bar for more details. Scroll the mouse to zoom in or zoom out the live view, and then use your mouse to drag the live image to the desired positions to spot on a specific area.
9	Layout Page Icons	Move your mouse cursor to the left or right edge of the screen, the Next icon or Previous icon will appear. Click the Previous / Next icon to turn to the previous / next layout pages. For example, for 16CH device, if you select 9-Division, click the next layout page icon (on the right side) will display the next 9-division layout with channel 10-16.
10	Edit	The Edit icon \checkmark only displays on the IP camera channel. When IP camera connection failed, this icon will appear. Click to open the Edit IP Camera Profile menu to edit the IP camera parameters. Please refer to <i>4.1.1.2 IP Channels</i> for more details.



3.5 Live Channel Tool Bar

You can left-click any channel on the Live View Window to bring up its Live Channel Tool Bar.



No	Name	Description
1	Manual Record	Click the button to start manual recording. During the process of manual recording, the icon will display in red. Click the button again to stop manual recording.
2	Manual Snapshot	Click to take a snapshot of the channel. You can then using the Playback panel to playback the snapshot images. Please refer to <i>4.7.3.7 Snapshot</i> . To configure the snapshot parameters or set up the snapshot schedule, please refer to <i>4.2.3 Snapshot</i> .
3	Quick Playback	Click to playback the latest 5 minutes recording of this channel. Click X to exit the Quick Playback mode. To configure the quick playback start time, please refer to <i>4.8.1 Quick Playback</i> .
4	РТΖ	Click to bring up the PTZ Control panel. Please refer to <i>3.5.2 PTZ</i> <i>Control Panel</i> for more details.
5	Zoom	Click to start the digital zoom function. Please refer to 3.5.1 Digital Zoom (PIP) for more details.
6	Image Settings	Click to bring up the Image Setting window. You can adjust the Hue, Brightness, Contrast and Saturation for each channel individually.
7	Stream Switch	This icon is only available for IP cameras. Click to switch between HD and SD stream to be displayed on the live view channel. To adjust the HD (main stream), SD (sub stream) configurations, please refer to <i>4.2.1.1 Main Stream</i> and <i>4.2.1.2 Sub Stream</i> .
8	Add Customized Tag	You can add a tag of the selected time to this channel. Input a tag name and then click Save . To search for the tags, go to Playback > Tag, please refer to <i>4.7.3.5 Tag</i> .
9	Audio	Click to turn on or turn off the audio, or adjust audio volume.
10	Manual Alarm	Click to manually trigger alarm output of the channel.



3.5.1 Digital Zoom (PIP)

You can use the Digital Zoom function to have a close-up view on the desired locations of a live channel.



To perform the digital zoom function:

- On the Live View window, left-click on a channel to display its Live Channel Tool Bar and then click the **Zoom** icon, the channel will be displayed in full screen with a **Preview Window** on the bottom-right corner of the screen.
- 2. Scroll the mouse upward/downward to zoom in/out, a **Navigation Box** will be displayed on the **Preview Window**.
- 3. Drag the **Navigation Box** and drop it to the position where you want to have a close-up view.
- 4. To exit the Digital Zoom mode, on the **Live full screen channel**, right-click the mouse.
- 5. To return to the Live View window, double-click on the Live full screen channel.

Note: You can also perform the Digital Zoom function by scrolling the mouse directly on the Live View to zoom in or zoom out the images, and then drag the live view image to the desired positions to spot on a specific area.



3.5.2 PTZ Control Panel

With the PTZ Control Panel, you can control the connected PTZ cameras or enter the analog camera OSD using the UTC panel.

On the Live View window, select a PTZ camera by clicking on the channel, the selected channel will be highlighted with a red frame. Left-click on the channel to display its **Live Channel Tool Bar** and then click the **PTZ** icon to bring up the **PTZ Control panel**.



PTZ Control Panel



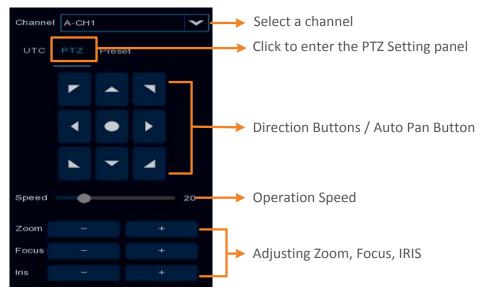


3.5.2.1 PTZ Control

Click **PTZ** to display the PTZ Control panel. With this panel, you can control the connected PTZ camera.

Note that before using this function, you have to connect the PTZ cameras to the DVR and configure the related PTZ settings. Please refer to *4.1.4 PTZ*.

PTZ Control Panel



Channel: Click to select a PTZ camera you want to control.

PTZ: Click PTZ to enter the PTZ Control panel.

Direction Buttons: Click the direction buttons to force the PTZ camera to turn to the direction.

Auto Pan Click to start the Auto Pan (360°) function. Click again to stop the Auto Pan function.

Speed: Switch the bar to the left or right to adjust the operation speed.

Zoom: Click + or – to zoom in or zoom out.

Focus: Click + or – to focus near or focus far.

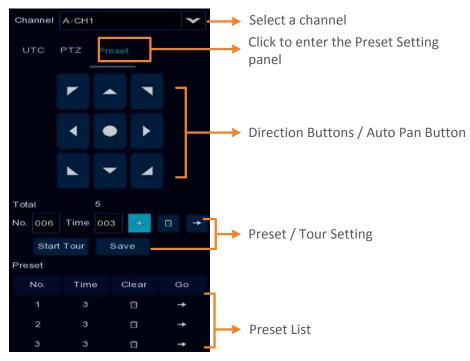
Iris: Click + or – to adjust the Iris.



3.5.2.2 Preset Setting

Click **Preset** to enter the Preset Setting panel. On this panel, you can set up Preset positions, perform the Go to Preset function and also perform the Tour function.

Preset Setting Panel



To set up Preset Points:

- 1. Click on the No. input box and input a preset number (1-255).
- 2. Click on the **Time** input box to set up a dwell time for this preset number (for Tour function).
- 3. Use the direction buttons or Zoom/Focus/Iris buttons to search for the location for this preset number.
- 4. Click the **button** to save this preset point and then jump to the next preset number for configuration. Follow **Step 2-3** to set up multiple preset points.
- 5. After setting up the preset points, click the **Save** button to save the settings.
- 6. To clear the setup preset points, select a preset number in the No. input box and then click the Clear button . Or you can also click the Clear button of a specific preset number on the Preset List.



To perform the Go to Preset Point function:

- 1. Set up the preset points in advance. Please refer to the steps of "To set up Preset Points" above.
- 2. Select a preset number (1-255) by clicking on the **No.** input box.
- 3. Click the **Go To** button **I**.
- 4. You can also click the **Go To** button of a specific preset number on the Preset List to go to the selected preset point.

To perform the Tour function:

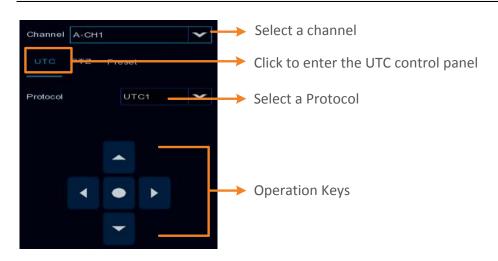
- 1. Set up the preset points in advance. Please refer to the steps of "To set up Preset Points" above.
- 2. Click the **Start Tour** button, the PTZ camera will start cruising based on the pre-configured preset points with the dwell time.
- 3. To stop the Tour function, click the **Stop Tour** button.



3.5.2.3 UTC Control

Click **UTC** to enter the UTC Control panel. On this panel, you can display the analog camera OSD menu and configure the camera OSD settings.

Note: For EverFocus' PTZ cameras, only the UTC-supported PTZ cameras support the UTC function.



To perform the UTC Control function:

- 1. Select a camera and then select **UTC1** or **UTC2** from the **Protocol** drop-down list.
- 2. Click the Dutton, the camera OSD menu will be displayed.



3. You can use the **Up / Down / Left / Right** buttons to select among the OSD menu items and use as the **Enter** button to enter the setup menu.



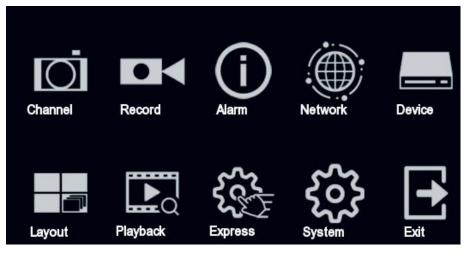
H.265 VANGUARD II Series

Chapter



4. OSD Menu

You can use the OSD Menu to configure system settings. To bring up the OSD Menu, right click on the screen.



4.1 Channel

In this section, you are allowed to configure the settings including analog cameras, IP cameras, live view display, PTZ setup, motion setup and more.

4.1.1 Channel

4.1.1.1 Analog Channels

This page is only available for 4CH and 8CH models. If you want to add more IP cameras to the DVR, you can disable the analog cameras in order to release more channels for adding IP cameras. For this function to work, you will have to enable the HVR mode for the DVR in advance (OSD > System > General). Disable one analog channel can release one channel for adding IP camera.

1	\overline{O}	•	⋈ ()			Scott Scott	ર્જુક	•
	Channel	Rec	ord Alarm	Network	Device	Express	System	Exit
" •Li (Channel	^	Channel	Channel	Name	State		
-	Analog Channels		CH1	СН		Enable		
-	IP Channels					Enable		
						Enable		
-						Enable		
						Enable		
			CH6		6	Enable		
_ •	mage					Enable		
- F	ΥZ	~	CH8	CH	8	Enable		
	Privacy Mask							
3	Notion		Select All					
۰. م	Deterrence		CH1	CH2	🔽 СНЗ	CH4		
	ntelligent	*	CH5	СН6	CH7	СН8		
								Apply



4.1.1.2 IP Channels

This page will only appear when HVR hybrid mode is selected (OSD < System < General). You can add IP cameras manually or automatically using this page.

Channel	Record			Alarm			Network		Device		Express System		m Exit			
🚓 Channel	^			Edit	IP Add	ress/Dom	ain 🔨	▲ Port Manufacturer				Device Type MAC Addr		dress Software Version		sion
- Analog Channels						172.20.0.		9988				PM-L	00-23-63-	77-52-E1 V4	.43.5.0_18	1212
						172.20.0.	4	8000				IRONGUARD 16 POE	58-E8-76-	03-49-FA V1	.0.1-20190	624
- IP Channels						72.20.0.3	8	8000	EverFocu	is/www.evenfocus.o	com.tw	IP CAMERA	00-11-14-	19-40-1B V1	.0.1_20190	924
🕳 Manage Protocol						72.20.0.4		9000				HY-DVR	58-E8-76-	05-51-DD V8	8.1.0-2020	215
						72.20.0.4		8000	EverFocu	is/www.evenfocus.o	com.tw	PM-R	58-E8-76	-03-49-1F V1	.0.1_2019	0830
Live						72.20.0.4		8000				VANGUARD 4x2H		18-70-3C V	.0.1-20190	919
Los Image						72.20.0.5		80		Bosch			00-07-5F-	93-D6-AC		
						72.20.0.5		8000				HY-DVR		18-70-06 V	.0.1-2019	919
👵 PTZ	*					2.20.0.18	37		EMN468			84-03-A1		-AE-E8-B3		
Privacy Mask						2.20.0.18	38		EDN468MS					-18-30-17		J.
🛷 Motion																
Deterrence			Channel		Edit	State		IP Addre	ss/Domain	Subnet Mask	Port	Manufacture		Device Type	Protocol	MAG
										255.255.248.0	8000	EverFocus/www.everfo	cus.com.tw	EFN1590	Private	00-1
Intelligent	*							172.20.0		255.255.248.0	8000	EverFocus/www.everfo	cus.com.tw	EZN1840-A1	5 Private	00-1
										255.255.248.0	8000	EverFocus/www.everfo	cus.com.tw	EBN1240-A	Private	00-1
											8000	EverFocus/www.everfo	cus.com.tw	EHN2550	Private	00-1
			IP CH5					172.20.0			80			EPN4230	Private	
			IP CH6	0												
			IP CH7	0												
			IP CH8	0												
			IP CH9	0												
		·	ID OT 14					_								
		Camera	Search			Defau	It Passw	ord								
												Total E	3andwidth:30	Mbps, Used Ba	ndwidth:14	25Mbps

Search: Click to search for the IP cameras on the network. The searched IP cameras will be displayed on the upper list.

Add: Click to manually add IP camera one by one to the DVR. The added IP camera will be displayed on the lower list.

Add All: Click to automatically add the first 2/4/8 IP cameras to the DVR based on the supported number of IP camera of your device. Please refer to *4.1.1.2.1 Auto Add IP Cameras* for more details.

Camera Search: The added IP camera would not be able to connect to the DVR if its IP address is not on the same network segment with the DVR. Therefore, you can use this function to reassign an IP address to all added IP cameras with the same network segment as DVR's.

Delete Channel: On the added IP cameras list, check the IP camera boxes and then click the Channel Delete button to delete the selected IP cameras from the list.

Default Password: Click to bring-up the **Set-up Protocol Default Password** page. You can configure the default password for various protocols. When adding IP cameras to the DVR, the DVR will automatically apply the Default Password to the IP cameras based on their protocol. To configure Protocol settings, please refer to *4.1.1.3 Manage Protocol*.

EverFocus

Set-up Protocol Default Password								
Protocol	User Name	Password						
Private	admin		î					
ONVIF	user1	•••••						
Custom 1	admin	••••						
Custom 2	admin	•••••						
Custom 3	admin	•••••						
Custom 4	admin	•••••						
Custom 5	admin	•••••						
Custom 6	admin	•••••						
Custom 7	admin	•••••						
Custom 8	admin	•••••						
Custom 9	admin	•••••	-					
	Default	Save Cancel						

You can also use the buttons on the **Added IP Camera list** to perform the functions:

Channel		Edit	State	IP Address/Domain	Subnet Mask	Port
IP CH4				172.20.0.106	255.255.255.0	8000
IP CH5				172.20.0.33	0.0.0.0	80
IP CH6	0					

Delete: Click it to delete the IP camera.

Add: Click O to bring up the Add IP Camera window to add an IP camera from the local network. Please refer to *4.1.1.2.2 Manually Add IP Cameras* for more details.

Edit: Click *l* to edit IP camera profile.

Modify: Click 📴 to modify IP camera settings.

State: Shows the status of the IP camera. Indicates connection failed. Indicates connection succeeded. Click the can pop-up a live window of the IP camera.

4.1.1.2.1 Auto Add IP Cameras

To automatically add all searched IP cameras to DVR, click **Search** and then click the **Add All** button. The DVR will add the first 2/4/8 IP cameras to the DVR based on the supported number of IP camera of your device.



4.1.1.2.2 Manually Add IP Cameras

		Д	dd IP	Camera				×	
No.		IP Address/Domain	Port	Ma	nufact	urer		Devi	
6		172.20.0.46	8000				VA		
7		172.20.0.57	80		Bosch				
8		172.20.0.58	8000						
9		172.20.0.187	80	E	MN46	8			
10		172.20.0.188	72.20.0.188 80 EDN468M						
IP Addr Alias Port Protocol User Na Passwol Bind Ch	ime rd	ain 172.20.0.44 IP CH5 8000 Private admin			>]]]] □ s	how Passwor	d	
Search Default Password					A	dd	Cancel		

1. Click Add to bring-up the Add IP Camera page.

- 2. Click **Search** to search for the IP cameras on the network. Note that the IP cameras that have been added to the DVR will not be displayed.
- 3. To select an IP camera, click an IP camera on the list, the clicked IP camera will be highlighted with a blue background.
- 4. Configure the IP camera settings at the lower section.

<u>IP Address/Domain:</u> Input the IP address or domain name of the IP camera.

<u>Alias:</u> Input a channel name for the IP camera.

Port: Port of the IP camera.

Protocol: Select a protocol. For Custom protocol, please refer to 4.1.1.3 Manage Protocol.

User Name: Input the user name of the IP camera.

Password: Input the password of the IP camera.

Bind Channel: Select a channel for the IP camera to be applied to.

5. Click Add and the IP camera will be added to the channel.



4.1.1.3 Manage Protocol

On this page, you can edit RTSP (Custom 1-16) protocol for IP camera connection.

	Record	Alarm	Network	Device	K K Expres	s System	E,	Exit
Channel Analog Channels IP Channels	Custom Protocol Protocol Name Stream Type	Custom Protocol1 Custom 1 Main Stream		Sub Stream	~			
Manage Protocol Live	Enable Sub Stream Type Port	RTSP 554		RTSP 554	>			
E Image PTZ Privacy Mask		rtsp://192.168.1.150:55	4/ch01/0	rtsp://192.168.1.150:554/ch01/1				
Motion	Example : rtsp://[IP address]: A:01(ch1),02(ch2) B:0(main stream).							
intelligent	~						Default	Apply

Custom Protocol: Select a custom RTSP protocol profile from the drop-down list to be configured. Up to 16 profiles can be configured.

Protocol Name: Input a name for this RTSP protocol profile.

Stream Type: Indicates Main Stream and Sub Stream are supported. You can separately configure the Main Stream and Sub Stream settings below.

Enable Sub Stream: Check the Sub Stream checkbox if you want to enable sub stream for this RTSP protocol.

- Type: Select RTSP.
- **Port:** Input the RTSP port of your IP camera. Keep 554 as the RTSP port.
- **RTSP URL:** Input the RTSP URL syntax in the box. For example:

rtsp://[IP Address]:[Port]/ip[A]/[B]

rtsp://192.168.31.33:554/ip01/0

- * IP Address: The IP address of the DVR
- * A: Channel number. 01 (ch1), 02 (ch2), and so on
- * B: Stream Type: 0 (main stream), 1 (sub stream)

Click **Apply** to save the settings or **Default** to apply the default setting.



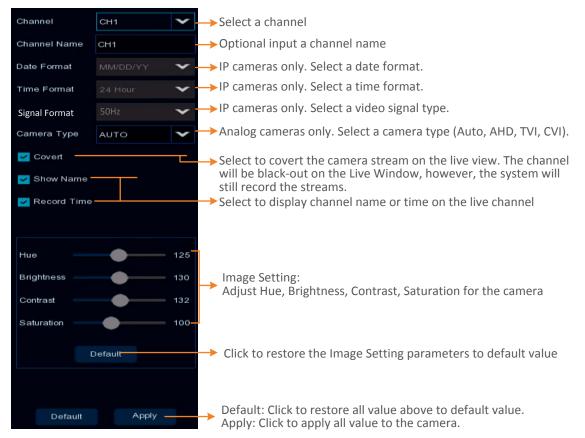
4.1.2 Live

You can configure camera OSD or image settings on this page.

Channel	Record	Ala)	Network	Device	Expre	ss Ss	5	stem	[Exit
L Channel	Channe	I Setup	Covert 🗸	Channel Name	Show Name 🗸	Record Time 🗸	Camera Ty	/pe 🗸			
Live	CH1			CH1	2		AUTO	~			
Image	CH2		23	CH2	23			~			
	CH3					S		~			
PTZ	СН4			CH4		Y	AUTO	~			
Privacy Mask	CH5			СН5			AUTO	~			
- Motion	СН6			снв		S.		\sim			
	CH7			CH7		M		~			
Deterrence	СН8			СН8				~			
Intelligent	*										
									Сору	Default	Apply

Channel: Displays the channel number.

Setup: Click 😟 to enter the OSD and image setup page. You can use the left-side panel to adjust the parameters. After configuring the settings, click **Apply** to apply the settings.



Covert: Select to covert the camera stream on the live view. The channel will be black-out on the Live Window, however, the system will still record the streams.

Channel Name: Optionally input a channel name.

Show Name: Check the box to display the channel name on the live channel.



Date Format: For supported IP cameras only. Select a date format.

Time Format: For supported IP cameras only. Select a time format.

Record Time: Check the box to enable recording the time to the recording files.

Signal Format: For supported IP cameras only. Select a system format (50Hz or 60Hz).

Camera Type: Analog cameras only. Select a camera type (Auto, TVI, AHD).

Copy: Analog cameras only. You can apply the same configurations from one channel to other channels. <u>To perform the Copy function:</u>

- 1. Click an analog camera on the list and the clicked camera will be highlighted with a blue frame.
- 2. Click the **Copy** button, the Parameter Copy window appears.

			Paramete	r Copy		×
Source Channel	CH1	>				
Parameter Type	🔽 Select All					
	🔽 Covert	X	Show Name	Position	🔲 Date Forn	
	Time Form	at 🔽	Record Time	🔲 Signal Format	<mark> -</mark> Camera 1	Гуре
	🔽 Image Sett	ings 🔽	OSD Position			
Target Channel	<mark> S</mark> elect All					
	CH1	🔽 CH2	CH:	3 🔽 CH4	CH5	
	CH6	🔽 СН7				
					Сору	Cancel

- 3. Select a channel from the Source Channel drop-down list and then select the parameters you would like to apply to other channels.
- 4. Select the desired channels from the Target Channel field.
- 5. Click the **Copy** button, the selected channels will be applied with the same parameters as the source channel.

Click **Apply** to save the settings or **Default** to apply the default setting.



4.1.3 Image Control

You can configure the image settings for supported IP cameras.

	Ō	•	□ • (j)		í					5000 A		System		+	
	Channel	Red	cord		Alarm	Network			Device	Ð	ress	Syste		Exit	2
AL.	Channel	~	Channel	Setup	Day/Night Mode	Delay Switch (s)	Flip	Mirror	Angle Rotate	BLC Level	3D Noise Reduction	DWDR		White Balance	Time E
					GPIO Auto		Off	Off		Far	128	Off	Middle	Auto	Αι
	Image		IP CH2		GPIO Auto		Off	Off		Off	Auto	Off	Middle	Auto	At
					GPIO Auto					Off	Auto		Middle	Auto	At
-	PTZ	~			GPIO Auto					Off	Auto		Middle	Auto	At
	Privacy Mask				GPIO Auto		Off	Off		on	Disable	Off	Off	Auto	AL
オ	Motion														
٠Q.	Deterrence														
$\overline{\sim}$	Intelligent	~													

Channel: Displays the channel number.

Setup: Click 😟 to enter the setup page. You can use the left-side panel to adjust the parameters. The system will automatically save the settings.

Channel	ІР СНЗ	~
Day/Night Mode	GPIO Auto	~
Delay Switch (s)	•	= 2
IR LED	Auto	~
Flip		
Mirror		
Hallway Mode		
Angle Rotate	0	~
Backlight	Enable	~
BLC Level	•	= 2
BLC Area	Center Area	~
3D Noise Reduction	Auto	~
DWDR	Disable	~
HLC	Disable	~
AGC		64
White Balance	Auto	~
Shutter	Auto	~
Time Exposure	1/8	~
Defog Mode	Disable	~
D	efault	

Channel: Select a channel number.

Day/Night Mode: Select a Day/Night mode for the camera to display the color or B/W images.

- **GPIO Auto:** Select GPIO Auto for the camera to automatically switch to day or night mode. You can further set up a **Delay Switch** time (second) in the below field.
- **Color Mode:** Select Color Mode for the camera to display color images.
- Black White Mode: Select Black White Mode for the camera to display B/W images.
- Schedule (B/W): Select Schedule (B/W) for the camera to display B/W images during the setup time range. Please select the Start Time and End Time in the below field.

Delay Switch (s): This function can only be activated if you select **Auto** for the **Day/Night Mode**. Set up a delay switch time (seconds) for the camera to auto switch between day and night modes.

IR-LED: Select **On** to turn on IR LEDs; select **Off** to turn off IR-LED; select **Auto** for the camera to automatically turn on / off the IR-LED based on the light sensor on the IP camera.

Flip: Check the box to enable the Flip function. The image will be rotated vertically around a horizontal axis.

FEverFocus

Mirror: Check the box to enable the Mirror function. The image will be rotated horizontally around a vertical axis.

Hallway Mode: Check the box to enable the Hallway display function (9:19).

Angle Rotate: Select a rotate angle.

Backlight: Select Enable to enable the BLC (Backlight Compensation) function.

- <u>BLC Level</u>: Adjust the level for the BLC function.
- <u>BLC Area:</u> Select an area to apply the BLC function.

3D Noise Reduction:

- Auto: Select Auto for the camera to automatically turn on the 3DNR function.
- Manual: Select to turn on the 3DNR function based on the setup Level.
- Disable: Select to disable the 3DNR function.

DWDR: Select Enable to enable the DWDR function and then you will have to adjust a **Level** for the WDR function.

HLC: Select Enable to enable the HLC function and then you will have to adjust a **Level** for the HLC function.

AGC: If you select **Manual** in the Shutter field, set up the AGC for the camera. The lower the AGC level, the lower the video signal and the noise.

White Balance:

- Auto: Select for the camera to automatically adjust the white balance.
- Manual: Select to adjust the Red, Green, Blue values yourself.
- Indoor: Select Indoor if your camera is installed in an indoor environment.

Shutter:

- Auto: Select for the camera to automatically adjust the Shutter.
- Manual: Select to manually adjust the shutter speed. Select a speed in the Time Exposure field. Also set up the AGC in the AGC field above.

Time Exposure: If you select **Auto** in the Shutter field, the camera will automatically apply a max. shutter speed. If you select **Manual** in the Shutter field, select a shutter speed from the drop-down list.

Defog Mode:

- Auto: Select Auto for the camera to automatically turn on the Defog function.
- Manual: Select to turn on the Defog function based on the setup Level.
- Disable: Select to disable the Defog function.

Click **Default** to restore to default settings.



4.1.4 PTZ

Please connect the PTZ cameras to the DVR and then configure the below PTZ settings. After configuring the PTZ settings, you can start using the PTZ Control panel to control the PTZ camera. Please refer to *3.5.2.1 PTZ Control*.

Ō			í					ł			5	S S S	-	¢	ŝ		+
Channel	Record		Alarm		Ne	twork			Device		Ex	press			System		Exit
🚓 Channel	~	Channel	Signal Type		Protocol		Baudrate		Data Bit		Stop Bit		Parity		Address		
Live			Analog			~	9600	~		~		~	None	~			
Log Image			Analog			~	9600	~		~		~	None	~			
		CH3	Analog			~	9600	~		*		~	None	*			
👴 PTZ	^		Analog			*	9600	*		*		*	None	~			
- PTZ			Analog			*	9600	*		*		*	None	*			
Privacy Mask			Analog			~	9600	~		~		~	None	~			
			Analog			*	9600	~		*		*	None	*			
券 Motion			Digital	*		<		<		*		*		*			
• Deterrence																	
Intelligent	~																
															Сору	Default	Apply

Channel: Displays the channel number.

Signal Type: Analog for analog channels; Analog /Digital for IP channels.

Protocol: Select a communication protocol between the PTZ camera and DVR. If your camera supports the UTC function, select **UTC1** or **UTC2**. For more details on UTC function, please refer to *3.5.2.3 UTC Control*.

Note: For EverFocus' PTZ cameras, only the UTC-enabled PTZ cameras support the UTC function.

Baudrate: This field is to set the speed at which is used to transmit instruction or information from the DVR to the PTZ camera.

Data Bit / Stop Bit: The information between the DVR and PTZ camera is sent in individual packages. The Data Bit indicates the number of bits sent, while the End Bit indicates the end of the package and the beginning of the next (information) package.

Parity: For error check. Refer to the documentation of your PTZ camera to configure this setting.

Address: Input the ID address of the PTZ camera. Note this address should match the one set up on the PTZ camera.

Copy: You can apply the same configurations from one channel to other channels. To perform the Copy function:

- 1. Click the **Copy** button, the Parameter Copy window appears.
- 2. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels.
- 3. Select the desired channels from the Target Channel field.
- 4. Click the **Copy** button, the selected channels will be applied with the same parameters as the source channel.

Click **Apply** to save the settings or **Default** to apply the default setting.



4.1.5 Privacy Mask

This function is only available for analog cameras. The Privacy Mask can block out sensitive areas from view. This feature is useful when users don't want the sensitive information visible. Up to four Privacy Masks can be configured.



To configure privacy masks:

- 1. Select a channel from the Channel drop-down list.
- 2. Select Enable Privacy Mask to enable the function.
- 3. Select the areas (masks) to be configured. The selected areas will be displayed on the preview image. Up to 4 areas are available.
- 4. To resize the area, click and drag the bottom-right corner of the rectangle to resize. To drag an area to another location, click and drag the number to relocate the area.



Click and drag to resize



Click and drag to relocate

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

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.1.6 Motion

You can configure the motion settings and motion event notifications on this page. You can also enable the Push Notification function to send motion event alerts to your mobile devices (with eFVMS App installed). For more details on Push Notification, please refer to Appendix A: Push Notification.

Channel Record Alarm Network Device Express System Channel Channel Channel Channel Channel Channel Setup Switch Sensitivity Image Channel Channel Channel Image	Exit
Channel Setup Switch Sensitivity Live CH1 Image Image CH2 Image Image	
Live CH1 Image Im	
CH1 (2) Z 4 V CH2 (2) Z 4 V	
PTZ V CH3 🛞 🗹 4 V	
CH4 🚳 🗹 4 🗸	
Privacy Mask CH5 2 4 V	
🗲 Motion CH6 🛞 🗖 4 🗸	
- 🎲 Deterrence CH7 🔅 🗹 4 🗸	
IP CH1 🚳 🗹 8 🗸	
intelligent V IP CH2 O	
IP CH3 🚯 🗌 3 💙	
IP CH4 🚯 🗌 3 💙	
Alarm Copy	y Default Apply

To configure the Motion Detection settings:

1. Click 🙆 to bring-up the Motion Area Setup page.

			00		1
Sele	ct All		1000		
		~			
Switch		~			
Sensitivity		~			
					6

- a. Select a channel from the **Channel** drop-down list.
- b. Select Enable from the Switch drop-down list to enable motion detection function.
- c. To set up motion detection sensitivity level, select a value from the **Sensitivity** dropdown list. The higher the value the higher the sensitivity.
- d. By default, the whole areas are marked in red. The red blocks represents the areas are applied with the motion detection function. You can click the mouse and drag it to draw multiple areas. To clear a certain area, use the same method to draw on the same area again, the motion area will be erased.
- e. To save the settings, right-click the mouse to return to the Motion Setup page and then click **Apply** to save the settings.
- 2. To further set up the motion event notifications, click the **Alarm** button to enter the Motion alarm setup page (please refer to *4.3.1 Motion*).
- 3. If you want to activate the motion recording function, you need to configure the recording schedule. Please refer to *4.2.2.2 Record Schedule*.



4.1.7 Deterrence

This function is only available when the supported analog/IP cameras with PIR function are connected. For the supported cameras, please contact EverFocus (ts@everfocus.com.tw).

When the camera detects an object move in or out of the PIR sensor range, the DVR will start recording or send alert notifications.

+		₹ 2 5	ર				(i)	(Ō	
Exit	System	Express	E	Device		Network	Alarm		Record	Channel	
									*	Channel	A 4
Siren Duration	Siren Switch 🗸	 Light Duration 	Light Switch 🖌	~	Sensitivity	Light Schedule	Setup	Channel		Live	
				*							
				*						Image	-0
				*				СНЗ	~	PTZ	
				*				CH4		Delivery March	
				<				CH5		Privacy Mask	
				<				CH6		Motion	ネ
				*						Deterrence	ġ.
				~				IP CH1			н.
				*				IP CH2	~	Intelligent	\approx
				~				IP CH3			
				~							
Default Apply											
		ngan n Tair		(10000) 1000000							

To configure the PIR Detection settings:

1. Click 🙆 to bring-up the PIR Area Setup page.



- a. Select a channel from the **Channel** drop-down list.
- b. Select Enable from the Switch drop-down list to enable PIR detection function.
- c. To set up PIR detection sensitivity level, select a value from the **Sensitivity** drop-down list. The higher the value the higher the sensitivity.
- d. Click **Select All** to set the whole screen of the camera as PIR detection area. Click **Delete All** to clear the whole area. You can also set up an area by drawing a polygon shape (at least five sides) on the image. You can also drag the area and drop it to the desired location on the image. If you want to adjust the size of the area, drag the red dots to re-size.
- e. To save the settings, right-click the mouse to return to the PIR Setup page and then click **Apply** to save the settings.

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4.1.8 Intelligent

The optional intelligent functions, including Perimeter Intrusion Detection, Line Crossing Detection, Foreign/Missing Object Detection, Pedestrian Detection, Face Detection, Cross Counting, Sound Detection and Tamper Detection.

4.1.8.1 Perimeter Intrusion

When objects (people, vehicle or other objects) enter in or out of a pre-defined region, the Perimeter Intrusion Detection event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

		í			€ Ce S	2	503	•
Channel	Record	Alarm	Network	Device	Express	Sys	stem	Exit
Live		Channel	Setup		Switch 🗸		Sensitivity	~
Image								-
🌧 PTZ 🗸	-	CH2			M			
		СНЗ			×			
Privacy Mask		CH4			<u>×</u>			
券 Motion		CH5						
• Deterrence		CH6					· · · · · · · · · · · · · · · · · · ·	
		CH7						
Intelligent	`	IP CH3						
- Perimeter Intrusion		IP CH4						
Line-Crossing								
 Foreign/Missing Object 								
- Pedestrian Detection								
 Face Detection 								
 Cross-Counting Detection 								
 Sound Detection 								
 Video Tampering 								
- Record Schedule								
 Cross-Counting Analysis 						Alarm	Copy Default	: Apply

To configure the Perimeter Intrusion settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. Select a **Sensitivity** value from the drop-down list. The larger the value, the higher the sensitivity.
- 3. In the **Setup** field, click (2) to set up the detection areas. Please refer to *4.1.8.1.1 Configuring Perimeter Intrusion Areas* for more details.
- 4. Click the **Apply** button to save the settings.
- 5. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 6. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.1.1 Configuring Perimeter Intrusion Areas

СН1	~	B
	~	A
		, ↓ ^B
A<->B	~	A A
Remove		B A
Remove All		
Save		JB JB
	1 A<->B Remove Remove All	1 A<->B Remove Remove All

Click the **Setup** button 🙆 to enter the Area setup page.

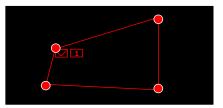
- 1. Select a channel to configure the function.
- 2. Select **1** from the **Rule Number** drop-down list to configure the first area.
- 3. Click the **Rule Switch** button to enable this rule.
- 4. Define a type for this rule:

 $A \rightarrow B$: Detects movement from A to B.

 $B \rightarrow A$: Detects movement from B to A.

 $A \leftarrow \rightarrow B$: Detects both movements from A to B and from B to A.

- 5. To draw an area:
 - a. Use your mouse to click 4 points to draw a rectangle shape. The shape should be convex. Concave shape is not allowed.
 - b. If you want to move the area to other position or re-size the area, select the area by checking the red box on the upper-left corner of the area, the borders of the area will change to red color. Drag and drop the area to a desired position. Drag the red dots at the edge of the area can re-size the area.



- c. Click the **Save** button to save the settings.
- d. Follow the steps above to configure more areas. Up to 4 areas can be configured.
- e. You can click the **Remove All** button to remove all the areas. To remove a certain area, select the area by checking the red box on the upper-left corner of the area, and then click the **Remove** button.

Note: The configured areas should not be too narrow or small in order to enhance the detection rate.

6. To return to the Perimeter Intrusion setup page, right-click the mouse.



4.1.8.2 Line Crossing

When objects (people, vehicle or other objects) cross a pre-defined line, the Line Crossing Detection event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

Ō		í			\$2¢\$}	5	3	•
	Record	Alarm	Network	Device	Express	Sy	stem	Exit
Live		Channel	Setup		Switch	~	Sensitivity	~
Image					¥			-
💂 PTZ	~	CH2						-
		CH3						-
Privacy Mask							`	
券 Motion		CH5						
• Deterrence		CH6						
		CH7						
	^	IP CH3 IP CH4						
🗕 Perimeter Intrusio		IP CH4						
 Line-Crossing 								
 Foreign/Missing C 	object							
🗕 Pedestrian Detec								
 Face Detection 								
Cross-Counting D	etection							
- Sound Detection								
🗕 Video Tampering								
 Record Schedule 								
 Cross-Counting Ar 	nalysis					Alarm	Copy Default	Apply

To configure the Line Crossing settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. Select a **Sensitivity** value from the drop-down list. The larger the value, the higher the sensitivity.
- 3. In the **Setup** field, click 😟 to set up the detection lines. Please refer to 4.1.8.2.1 *Configuring Line Crossing Detection Lines* for more details.
- 4. Click the **Apply** button to save the settings.
- 5. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 6. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.2.1 Configuring Line Crossing Detection Lines

Channel	СН1	~
Rule Number		~
Rule Switch		
Rule Type	A<->B	~
	Remove	
	Remove All	
	Save	

Click the **Setup** button to enter the Line setup page.

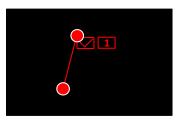
- 1. Select a channel to configure the function.
- 2. Select **1** from the Rule Number drop-down list to configure the first line.
- 3. Click the **Rule Switch** button to enable this rule.
- 4. Define a type for this rule:

 $A \rightarrow B$: Detects movement from A to B.

 $B \rightarrow A$: Detects movement from B to A.

 $A \leftarrow \rightarrow B$: Detects both movements from A to B and from B to A.

- 5. To draw a line:
 - a. Use your mouse to click 2 points to draw a line.
 - b. If you want to move the line to other position or re-draw the line, select the line by checking the red box on the upper-side of the line, the line will change to red color. Drag and drop the line to a desired position. Drag the red dots of the line can re-size the line.



- c. Click the **Save** button to save the settings.
- d. Follow the steps above to configure more lines. Up to 4 lines can be configured.
- e. You can click the **Remove All** button to remove all the lines. To remove a certain line, select the line by checking the red box on the upper-side of the line, and then click the **Remove** button.

Note: The configured lines should not be too short in order to enhance the detection rate.

6. To return to the Line Crossing setup page, right-click the mouse.



4.1.8.3 Foreign/Missing Object

When camera detects foreign (unattended) or missing objects in a pre-defined area, the Foreign/Missing Object event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

		í			€ €55	5	503	
Channel	Record	Alarm	Network	Device	Express	Sy	stem	Exit
Cnannei	•							
Live		Channel	Setup		Switch	*	Sensitivity	~
Image		IP CH3			M			~
😞 PTZ	~	IP CH4						~
Privacy Mask								
券 Motion								
• Deterrence								
Intelligent	~							
🗕 Perimeter Intrusic								
Line-Crossing								
 Foreign/Missing (Object							
🗕 Pedestrian Detec	stion							
 Face Detection 								
 Cross-Counting D 								
 Sound Detection 								
🗕 Video Tampering								
 Record Schedule 								
 Cross-Counting A 	nalysis					Alarm	Copy Defa	ult Apply

To configure the Foreign/Missing Object settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. Select a **Sensitivity** value from the drop-down list. The larger the value, the higher the sensitivity.
- 3. In the **Setup** field, click (2) to set up the detection areas. Please refer to *4.1.8.3.1 Configuring Foreign/Missing Areas* for more details.
- 4. Click the **Apply** button to save the settings.
- 5. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 6. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.3.1 Configuring Foreign/Missing Areas

Channel IP CH3

Click the **Setup** button 🙆 to enter the Area setup page.

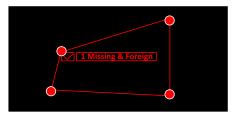
- 1. Select a channel to configure the function.
- 2. Select **1** from the **Rule Number** drop-down list to configure the first area.
- 3. Click the **Rule Switch** button to enable this rule.
- 4. Define a type for this rule:

Foreign: Only detect the unattended objects.

Missing: Only detect the missing objects.

Missing & Foreign: Detect both missing objects and unattended objects.

- 5. To draw an area:
 - a. Use your mouse to click 4 points to draw a rectangle shape. The shape should be convex. Concave shape is not allowed.
 - b. If you want to move the area to other position or re-size the area, select the area by checking the red box on the upper-left corner of the area, the borders of the area will change to red color. Drag and drop the area to a desired position. Drag the red dots at the edge of the area can re-size the area.



- c. Click the **Save** button to save the settings.
- d. Follow the steps above to configure more areas. Up to 4 areas can be configured.
- e. You can click the **Remove All** button to remove all the areas. To remove a certain area, select the area by checking the red box on the upper-left corner of the area, and then click the **Remove** button.



Note: For foreign/missing object, please draw an area slightly larger than or equal to the detected object, and the detected object cannot be covered.



6. To return to the Foreign/Missing Object setup page, right-click the mouse.



4.1.8.4 Pedestrian Detection

When camera detects moving people or vehicle in a pre-defined area, the Pedestrian Detection event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

Ō		í			₹¢53		•
Channel	Record	Alarm	Network	Device	Express	System	Exit
Channel	•						
Live		Channel	Setup		Switch 🗸	Level	~
Image		IP CH4				Near	~
- PTZ	~						
Privacy Mask							
A Motion							
• Deterrence							
Intelligent	~						
🗕 Perimeter Intrusic							
Line-Crossing							
- Foreign/Missing							
🗕 Pedestrian Detec	ction						
- Face Detection							
- Cross-Counting D							
- Sound Detection							
🗕 Video Tampering							
- Record Schedule							
 Cross-Counting A 	nalysis						Alarm Apply

To configure the Pedestrian Detection settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. In the **Level** field, select among Far, Middle and Near. **Far** level is recommended to detect objects in long distance. **Near** level is recommended to detect objects in short distance.
- 3. In the **Setup** field, click (2) to set up the detection areas. Please refer to 4.1.8.4.1 *Configuring Pedestrian Detection Area* for more details.
- 4. Click the Apply button to save the settings.
- 5. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 6. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.4.1 Configuring Pedestrian Detection Area

Click the **Setup** button 🙆 to enter the Area setup page.



Channel: Select a channel to configure the settings.

Snapshot Mode: Select a Snapshot Mode.

- <u>Realtime</u>: System will take two snapshot images. One is when alarm triggered. The other will be an optimal image that system recognized.
- <u>Default</u>: System will take one snapshot images that is recognized as the optimal one.
- Interval: Select this mode to further set up the Snapshot Quantity and Snapshot Interval.
 - <u>Snapshot Quantity</u>: Select the number of snapshot image to take per set up interval.
 - <u>Snapshot Interval</u>: Set up an interval to take the snapshot images.

Quick Mode: Set up the maximum recognition pixel size within a 1080p image.

Sensitivity: Select a Sensitivity value. The larger the value, the higher the sensitivity.

Detection Type: Select the detection type, Pedestrian, Vehicle or both.

Detection Mode: Select Static Mode or Motion Mode.

Detection Range: Select an area type.

- <u>Full Screen</u>: Select **Full Screen** to detect the area of whole image.
- <u>Customize</u>: Select **Customize** and resize the area by dragging the red dots at the edge.



Note: The configured areas should not be too narrow or small in order to enhance the detection rate. The whole target object (people) should be inside the area.





4.1.8.5 Face Detection

When camera detects faces of moving people in a pre-defined area, the Face Detection event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

		í			Sc. Sc.		•
Channel	Record	Alarm	Network	Device	Express	System	Exit
Unannei	•						
Live		Channel	Setup		Switch 🗸		
Image					M		
👵 PTZ	~						
Privacy Mask							
券 Motion							
••• Deterrence							
Intelligent	~						
🗕 Perimeter Intrusio							
🕳 Line-Crossing							
- Foreign/Missing							
🗕 Pedestrian Dete	ction						
- Face Detection							
- Cross-Counting E	Detection						
 Sound Detection 							
🗕 Video Tamperin							
- Record Schedule							
 Cross-Counting A 	Analysis						Alarm Apply

To configure the Face Detection settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. In the **Setup** field, click (2) to set up the detection areas. Please refer to *4.1.8.5.1 Configuring Face Detection Area* for more details.
- 3. Click the **Apply** button to save the settings.
- 4. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 5. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.5.1 Configuring Face Detection Area

Channel IP CH4 Snapshot Mode Interval Mode Snapshot Quan 1 Snapshot Numt: Custom Mode Quick Mode 64 Gaz-10800 Face Enhance Disable Detection Mode Static Mode Save

Click the **Setup** button 😟 to enter the Area setup page.

Channel: Select a channel to configure the settings.

Snapshot Mode: Select a Snapshot Mode.

- <u>Realtime</u>: System will take two snapshot images. One is when alarm triggered. The other will be an optimal image that system recognized.
- Optimal: System will take one snapshot images that is recognized as the optimal one.
- Interval: Select this mode to further set up the Snapshot Quantity and Snapshot Interval.
 - Snapshot Quantity: Select the number of snapshot image to take per set up interval.
 - Snapshot Interval: Set up an interval to take the snapshot images.

Snapshot Number: Select a recognition mode.

- <u>Custom Mode:</u> Select this mode to take the frontal face image only. To view the default parameters, select **Customize** and then click the **Custom Mode Default** button.
- <u>Min Pixel:</u> Select this mode to apply the minimum parameters of the orientation angles (Roll, Pitch, Yaw) of the faces toward camera, Picture Quality and Quick Mode. To view the default parameters, select **Customize** and then click the **Min Pixel Default** button.
- <u>Customize:</u> Select this mode and then apply the orientation angles (Roll, Pitch, Yaw) of the faces toward camera, Picture Quality and Quick Mode.
 - Roll Range: Adjust the rotation angle (0-180).
 - Pitch Range: Adjust the horizontal angle (0-180).
 - Yaw Range: Adjust the vertical angle (0-180).
 - Picture Quality: Adjust the quality of the face snapshot images. The more the value, the better the image quality.
 - Custom Mode Default: Click to display the default parameters of the Custom Mode.
 - Min Pixel Default: Click to display the default parameters of the Min Pixel.

Quick Mode: Set up the maximum recognition pixel size within a 1080p image.

Face Enhance: You can select enable or disable for Face Enhance function.

Detection Mode: Select Static Mode or Motion Mode.

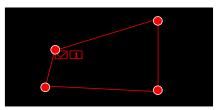
Rule Type: Select Line or Area.

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- <u>Line</u>: You can draw a line to detect for human faces crossing the line. If Line is selected, please further set up the rule type below: A > B (line crossing from A to B) or B > A (line crossing from B to A).
- <u>Area</u>: You can draw an area to detect for human faces enter in the area. If Area is selected, please further set up the area by selecting a **Detection Range** below: Full Screen or Customize.

Detection Range: This function is only appeared if Area is selected from the **Rule Type** field.

- Full Screen: Select Full Screen to detect the area of whole image.
- <u>Customize</u>: Select **Customize** and resize the area by dragging the red dots at the edge.



Note: The configured areas should include the whole front face.





4.1.8.6 Cross-Counting Detection

The DVR will count the times when objects (people, vehicle or other objects) cross a predefined line, and the Cross-Counting event will be triggered. You can configure some event actions like event recording, Email alert or pop-up full screen when an event is triggered.

You can search and view the statistical result of cross counting on the Intelligent Analysis page. Please refer to *4.1.8.10 Cross-Counting Analysis*.

Ō		í			Se Se		•
Channel	Record	Alarm	Network	Device	Express	System	Exit
Channei	•						
Live		Channel	Setup		Switch	✓ Sensitivity	~
Image		IP CH4			×		~
👴 PTZ	~						
Privacy Mask							
A Motion							
• Deterrence							
Intelligent	~						
🗕 Perimeter Intrusi							
Line-Crossing							
- Foreign/Missing							
🗕 Pedestrian Dete							
 Face Detection 							
Cross-Counting I	Detection						
 Sound Detection 							
🗕 Video Tamperin							
- Record Schedul							
 Cross-Counting A 	Analysis						Alarm Apply

To configure the Cross-Counting settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. Select a **Sensitivity** value from the drop-down list. The larger the value, the higher the sensitivity.
- 3. In the **Setup** field, click (2) to set up the detection line. Please refer to *4.1.8.6.1 Configuring Cross-Counting Detection Line* for more details.
- 4. Click the **Apply** button to save the settings.
- 5. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 6. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.6.1 Configuring Cross-Counting Detection Line

Channel	IP CH4	~	
Rule Number		~	
Rule Switch	~		
Rule Type	A->B	~	
	Remove		R
	Remove All		A
	Save		

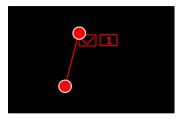
Click the **Setup** button to enter the Line setup page.

- 1. Select a channel to configure the function.
- 2. Select **1** from the **Rule Number** drop-down list to configure the line.
- 3. Click the **Rule Switch** button to enable this rule.
- 4. Select a Rule Type:

 $A \rightarrow B$: Detects movement from A to B.

 $B \rightarrow A$: Detects movement from B to A.

- 5. To draw a line:
 - a. Use your mouse to click 2 points to draw a line.
 - b. If you want to move the line to other position or re-draw the line, select the line by checking the red box on the upper-side of the line, the line will change to red color. Drag and drop the line to a desired position. Drag the red dots of the line can re-size the line.



- c. Click the **Save** button to save the settings.
- d. You can click the **Remove All** button to remove all the lines. To remove a certain line, select the line by checking the red box on the upper-side of the line, and then click the **Remove** button.

Note: The configured line should not be too short in order to enhance the detection rate.

6. To return to the Line Crossing setup page, right-click the mouse.



4.1.8.7 Sound Detection

This function is only available when the supported analog/IP cameras with sound detection function are connected. For the supported cameras, please contact EverFocus (ts@everfocus.com.tw).

		í) .(₹	2	۲ د ر	[
Channel	Record	Alarm	Ne	etwork		Device	Express	Sys	stem		Exit
Channel	*										
Live		Channel	Switch 🗸	Rise	*	Rise Sensitivity	Sound Intensity	Declir	ie 🗸	Decline Sei	nsitivity
Image		CH1	×	Disable	~			Disable	~		
🛖 PTZ		CH2	×	Disable	~	50	50	Disable	~	50	
🚽 PTZ	~		×	Disable	~	50	50	Disable	~	50	
Privacy Mask			X	Disable	~	50		Disable	~	50	
📌 Motion		CH5	<u>v</u>	Disable	~			Disable	~		
		CH6	V	Disable	~			Disable	~		
• Deterrence			Y	Disable	~	50	50	Disable	~	50	
Intelligent	~	IP CH1	Y	Disable	~			Disable	~		
 Perimeter Intrusion 		IP CH4	>	Disable	~			Disable	~		
 Line-Crossing Foreign/Missing Ob 											
🗕 Pedestrian Detectio											
 Face Detection 											
 Cross-Counting Determine 	ection										
- Sound Detection											
 Video Tampering 											
- Record Schedule											
 Cross-Counting Ana 	ilysis							Alarm	Сору	Default	Apply

To configure the Sound Detection settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. In the **Rise** field, select **Enable** to enable the Sound Rise detection. And then further set up the **Rise Sensitivity** and **Sound Intensity**.
- 3. In the **Decline** field, select **Enable** to enable the Sound Decline detection. And then further set up the **Decline Sensitivity**.
- If you want to enable recording when sound detection alarm is triggered, in the Light Schedule field, click is to set up the recording schedule. Click and drag on the schedule time blocks to draw the blocks with blue color, which will be applied with Sound Detection. To deselect the blocks, click and drag on the blue blocks to select again. Click Save to save the settings.

										R	всо	rd	Scł	hed	ful	Ð													×
	Π		Π	Π	Γ	Π	Τ	Г	Γ		Τ	Т		Π			Г		Т	Π	Τ	Т	Π	Τ	Т	Π	Τ	Γ	
					ċ		Ċ.	De	fau	R	t	5	ave		ľ	Ca	ince								Ċ			ċ	

- 5. Click the **Apply** button to save the settings.
- 6. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.



4.1.8.8 Video Tampering

	Recor	· ·	Network	Device	_	Express	<u>م</u>	ystem	[Exit
	▼	Alar	ini Network	Device		Express	3	ystem		Exit
Live										
		Channe		*		Sensitivity	~			
Image		CH1	V				~			
😞 PTZ	~	CH2					~			
Privacy Mask		СНЗ					~			
		CH4 CH5	N N				~			
券 Motion		СН6	N N N N N N N N N N N N N N N N N N N				*			
•• Deterrence		CH7	N N				• •			
Intelligent	~	IP CH1					• •			
	^	IP CH3					• •			
 Perimeter Intrusion 		IP CH4					~			
 Line-Crossing 										
- Foreign/Missing Object										
 Pedestrian Detection 										
- Face Detection										
 Cross-Counting Detection 										
 Sound Detection 										
 Video Tampering 										
 Record Schedule 										
 Cross-Counting Analysi 	is						Alarm	Сору	Default	Apply

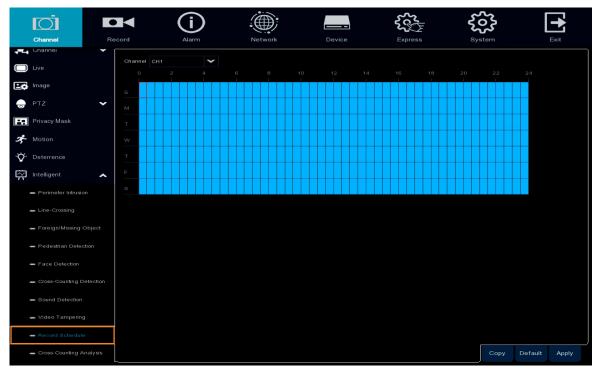
To configure the Tamper Detection settings:

- 1. Check the **Switch** checkbox to enable the function of the channel.
- 2. Select a **Sensitivity** value from the drop-down list. The larger the value, the higher the sensitivity.
- 3. Click the **Apply** button to save the settings.
- 4. To further set up the alarm notifications, click the **Alarm** button to enter the Alarm setup page. Please refer to *4.3.3 Intelligent Alarm*.
- 5. If you want to activate the intelligent recording function, you need to configure the recording schedule. Please refer to *4.1.8.9 Record Schedule*.



4.1.8.9 Record Schedule

In order to active the intelligent recording function, you need to configure the schedule recording for Intelligent events. The schedule will be activated 24 hours a day, 7 days a week.



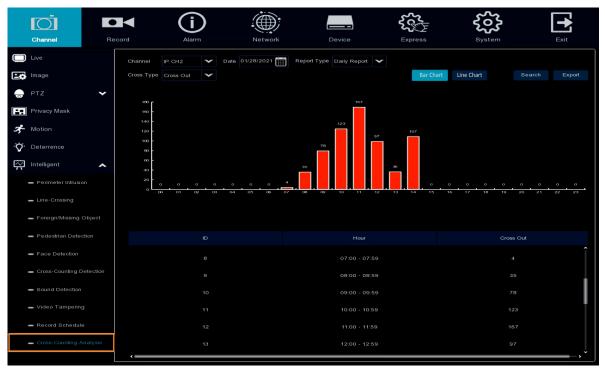
- 1. Select a channel and then move your mouse cursor over the schedule time blocks.
- 2. Click and drag on the schedule time blocks to draw the blocks with blue color, which will be applied with intelligent event recording function. To deselect the blocks, click and drag on the blue blocks to select again.
- 3. If you want to apply the same configurations from one channel to other channels, click the **Copy** button. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.
- 4. Click **Apply** to save the settings.



4.1.8.10 Cross-Counting Analysis

On this page, you can search and view the statistical result of Cross-Counting Detection. For more details on Cross-Counting Detection, please refer to *4.1.8.6 Cross-Counting*.

Select the criteria and then click the **Search** button, the results will be listed at the lower section. You can display the report in Bar Chart or Line Chart. To export the report, insert an USB storage stick to the system and then click the **Export** button.





FEverFocus

4.2 Record

You can configure the recording settings on this page.

4.2.1 Stream

On this page, you can configure the recording video/audio or network transmission picture quality. Generally, main stream defines the recording video quality which will be saved in the HDD storage; sub stream defines the video quality which is being viewed via remote access, for example web client and CMS; mobile stream defines the video quality which is being viewed via remote access through mobile devices.

4.2.1.1 Main Stream

Channel Record Alam Network Device Express System Exit Stream - <	\overline{O}	C		í		:@) ;			5		Ę	Ĩ Ŝ			
Channel Stream Type Reacture FPS Vuduo Encode Type Bitrate Control Bitrate Mode Bitrate Mo	Channel	Re	cord	Alarm		Netv	vork		evice	Expr	ess		System		Exit	
- Sub Stream OH Normal 1920 x 1060 30 H 265 CBR Predefined 4096 - Mobile Stream OH Normal 1920 x 1060 30 H 265 CBR Predefined 4096 - Audio OH Normal 1920 x 1060 30 H 265 CBR Predefined 4096 - Audio OH Normal 1920 x 1080 30 H 265 CBR Predefined 4096 - Audio OH Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH4 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH3 Normal 2560 x 1944 12 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 IP CH1 Normal 2160 x 2160 15 H 266 CBR Predefined 4096 <th>Stream</th> <th>^</th> <th>Channel</th> <th>Stream Type</th> <th>Resolution</th> <th>*</th> <th>FPS</th> <th>*</th> <th>Video Encode Type</th> <th>*</th> <th>Bitrate Control</th> <th>*</th> <th>Bitrate Mode</th> <th>*</th> <th>Bitrate</th> <th></th>	Stream	^	Channel	Stream Type	Resolution	*	FPS	*	Video Encode Type	*	Bitrate Control	*	Bitrate Mode	*	Bitrate	
Sub Stream CH3 Normal 1920 x 1080 300 H 265 CBR Predefined 4096 - Mobile Stream CH4 Normal 1920 x 1080 256 H 265 CBR Predefined 4096 - Audio CH4 Normal 1920 x 1080 256 H 265 CBR Predefined 4096 CH4 Normal 1920 x 1080 300 H 265 CBR Predefined 4096 - Audio CH4 Normal 1920 x 1080 300 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 300 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 300 H 265 CBR Predefined 4096 Snapshot IJP CH1 Normal 2160 x 2160 15 H 266 CBR Predefined 4096 IJP CH2 Normal 3640 x 2160 15 H 266 CBR Predefined 6144 IJP CH3 Normal 1920 x 1080 300 H 264 CBR User-defined	🗕 Main Stream			Normal	3840 x 2160	~		~	H.265	~	CBR	~	Predefined	$\mathbf{\sim}$	4096	
- Mobile Stream CH3 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 - Audio CH4 Normal 1920 x 1080 25 H 265 CBR Predefined 4096 - Audio CH5 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH5 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH6 Normal 2560 x 1944 12 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH7 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 CH7 Normal 2160 x 2160 15 H 264 CBR User-defined 4096 JP CH1 Normal 3840 x 2160 15 H 265 CBR Predefined 4096 JP CH2 Normal 390 x 2160 15 H 264 CBR User-defined 6144 JP CH3 <	- Sub Stream		CH2	Normal	1920 x 1080	~		~	H.265	~	CBR	~	Predefined	~	4096	
- Audio CH4 Normal 1920 x 1080 25 H 265 GRR Prodefined A0906 - Audio CH5 Normal 1920 x 1080 30 H 265 GRR Prodefined A0906 Record CH6 Normal 2500 x 1044 12 H 265 GRR Prodefined A0906 CH6 Normal 2500 x 1044 12 H 265 GRR Prodefined A0906 CH7 Normal 1920 x 1080 30 H 265 GRR Prodefined A0906 OH7 Normal 1920 x 1080 30 H 265 GRR Prodefined 40906 OH7 Normal 1920 x 1080 15 H 266 GRR User-defined 4096 IP CH1 Normal 2160 x 2160 15 H 266 GRR Prodefined 16144 IP CH2 Normal 1920 x 1080 30 N H 266 GRR User-defined 16144 IP CH2 Normal 1920 x 1080 30 N H 264 GRR User-defined 1646			СНЗ	Normal	1920 x 1080	~		~	H.265	~	CBR	~	Predefined	~	4096	
Record CH6 Normal 2560 x 1944 12 H 205 CBR Predefined 4096 Snapshot CH7 Normal 1920 x 1080 30 H 205 CBR Predefined 4096 IP CH1 Normal 2160 x 2160 15 H 205 CBR Vertication 4096 IP CH2 Normal 2160 x 2160 15 H 205 CBR Vertication 4096 IP CH2 Normal 3840 x 2160 15 H 205 CBR Vertication 6144 IP CH3 Normal 1920 x 1080 30 H 2064 CBR Vertication 6144	🗕 Mobile Stream			Normal	1920 x 1080	~		~	H.265	~	CBR	~	Predefined	~	4096	
Record CH7 Normal 1920 x 1080 30 H 265 CBR Predefined 4096 Snapshot IP CH1 Normal 2160 x 2160 15 H 265 CBR Verticitied 4096 IP CH2 Normal 3840 x 2160 15 H 265 CBR Verticitied 6144 IP CH3 Normal 1920 x 1080 30 H 264 CBR User-defined 6144	- Audio		CH5	Normal	1920 x 1080	~		~	H.265	~	CBR	~	Predefined	~	4096	
CH7 Normal 1920 x 1060 300 H 266 CBR Predefined A006 IP CH1 Normal 2160 x 2160 15 H 264 CBR User-defined A006 IP CH2 Normal 2160 x 2160 15 H 264 CBR Verticationed A006 IP CH2 Normal 3840 x 2160 15 H 266 CBR Predefined A066 IP CH2 Normal 1920 x 1080 30 H 266 CBR Predefined A066 IP CH3 Normal 1920 x 1080 30 H 264 CBR Verticationed A066	Becord	~	CH6	Normal	2560 x 1944	~		~	H.265	~	CBR	~	Predefined	~	4096	
In Strift Normal 2100 x 2100 IS In Strift Operation Operat	-			Normal	1920 x 1080	~		~	H.265	~	CBR	~	Predefined	$\mathbf{\tilde{\mathbf{v}}}$	4096	
IP CH3 Normal 1920 x 1080 V 30 V H264 V CBR V User-defined V 4096	Snapshot	~		Normal	2160 x 2160	~		$\mathbf{\tilde{\mathbf{v}}}$	H.264	~	CBR	~	User-defined	~	4096	
			IP CH2	Normal	3840 x 2160	~		$\mathbf{\sim}$	H.265	~	CBR	~	Predefined	~	6144	
IP CH4 Normal 1920 x 1080 💙 15 💙 H 264 <table-cell> CBR 💙 User-defined 💙 2048</table-cell>			IP CH3	Normal	1920 x 1080	Y		~	H.264	~	CBR	¥	User-defined	~	4096	
				Normal	1920 x 1080	<		~	H.264	~	CBR	~	User-defined	~	2048	

Main stream defines the recording video quality which will be saved in the HDD storage.

Channel: Displays channel number.

Stream Type: Displays the stream type.

Resolution: Select a recording resolution.

FPS: Select a FPS (frames per second) for the recording.

Video Encode Type: This option is only for IP cameras. Select H.264 or H.265 based on your IP cameras.

Bitrate Control: Select **CBR** (constant bitrate) if the scene is simple and less changing, such as a gray wall. Select **VBR** (variable bitrate) if the scene is complex, such as a department store. If VBR is selected, select a Video Quality next to Bitrate Control.



Bitrate Mode: Select **User-defined** to set up bitrate manually; or **Predefined** to auto-select bitrate.

Bitrate: The Bitrate corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrates, will be of better quality.

Audio: Select this option if you want to record audio along with video. Please ensure the camera supports audio function and a microphone has been connected to the DVR. You can further configure audio settings of IP cameras. Please refer to *4.2.1.4 Audio*.

i-Frame Interval: This function is only available for certain IP cameras. Please consult EverFocus. Input an i-Frame interval.

I/O: Select this option if you want to enable external IO alarm for Main Stream recording.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.1.2 Sub Stream

Sub stream defines the video quality which is being viewed via remote access, for example web client and CMS.

	Record		Alarm				Devic	_ `	A xpress	-	ر کر Syst			Exit
► Stream	~													
- Main Stream		Channel CH1	Stream Type Normal	Resolution	~	FPS	~ ~	Video Encode Type		Bitrate Control		Bitrate Mode	~ ~	Bitrate
		CH1 CH2	Normal	352 x 240	~	30 30	* *	H.265	*	CBR	~	Predefined	* *	512 512
🗕 Sub Stream		СН2	Normal								~	Predefined		
🗕 Mobile Stream				352 x 240	~		~	H.265	~	CBR	~	Predefined	~	
		CH4	Normal	352 x 240	~		~	H.265	~	CBR	~	Predefined	~	
- Audio		CH5	Normal	352 x 240	~	30	~	H.265	~	CBR	~	Predefined	~	
Record	~	CH6	Normal	352 x 240	~		~	H.265	~	CBR	~	Predefined	~	
Constant	~	CH7	Normal	352 x 240	~		~	H.265	~	CBR	~	Predefined	~	512
🛃 Snapshot	•		Normal		~		~	H.264	~	CBR	~	Predefined	~	
		IP CH2	Normal	640 x 480	~		~	H.264	~	CBR	~	Predefined	~	2048
		IP CH3	Normal	1280 x 720	~		~	H.264	~	CBR	~	User-defined	~	1024
			Normal	640 x 480	~		~	H.264	~	CBR	~	User-defined	~	768
		·												
		Total Bandwid	th:30Mbps, Used	Bandwidth:22.7	5Mbps							Copy De	fault	Apply

Channel: Displays channel number.

Stream Type: Displays the stream type.

Resolution: Select a recording resolution.

FPS: Select a FPS (frames per second) for the recording.

Video Encode Type: This option is only for IP cameras. Select H.264 or H.265 based on your IP cameras.

Bitrate Control: Select **CBR** (constant bitrate) if the scene is simple and less changing, such as a gray wall. Select **VBR** (variable bitrate) if the scene is complex, such as a department store. If VBR is selected, select a Video Quality next to Bitrate Control.

Bitrate Mode: Select **User-defined** to set up bitrate manually; or **Predefined** to auto-select bitrate.

Bitrate: The Bitrate corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrates, will be of better quality.

Audio: Select this option if you want to record audio along with video. Please ensure the camera supports audio function and a microphone has been connected to the DVR. You can further configure audio settings of IP cameras. Please refer to *4.2.1.4 Audio*.

i-Frame Interval: This function is only available for certain IP cameras. Please consult EverFocus. Input an i-Frame interval.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.1.3 Mobile Stream

Mobile stream defines the video quality which is being viewed via remote access through mobile devices. Note that Mobile Stream is only available for IP cameras.

Channel			(i _{Alarr}			etwork		Device		Express		System		Exit	
▶ Stream	^	Channel	Switch	*	Stream Type	Resolution	*	FPS	~	Video Encode Typ	.e 🗸	Bitrate Contro	- >	Bitrate Mode	<
- Main Stream		IP CH1	×		Normal	480 x 480	~		~	H.264	~	CBR	~	Predefined	~
🗕 Sub Stream		IP CH2	M		Normal	320 x 240	~		~	H.264	~	CBR	~	Predefined	~
	obile Stream				Normal	640 x 480	~		~	H.264	\sim	CBR	~	Predefined	~
Mobile Stream		IP CH4	X		Normal	320 x 240	~		~	H.264	$\mathbf{\sim}$	CBR	~	User-defined	~
- Audio	~														
Snapshot Snapshot	*	<													,
		Total Bandwidth 30Mbps, Used Bandwidth 22.75Mbps												Apr	bly

Channel: Displays channel number.

Switch: Check the box to enable the Mobile Stream function.

Stream Type: Displays the stream type.

Resolution: Select a recording resolution.

FPS: Select a FPS (frames per second) for the recording.

Video Encode Type: This option is only for IP cameras. Select H.264 or H.265 based on your IP cameras.

Bitrate Control: Select **CBR** (constant bitrate) if the scene is simple and less changing, such as a gray wall. Select **VBR** (variable bitrate) if the scene is complex, such as a department store. If VBR is selected, select a Video Quality next to Bitrate Control.

Bitrate Mode: Select **User-defined** to set up bitrate manually; or **Predefined** to auto-select bitrate.

Bitrate: The Bitrate corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrates, will be of better quality.

Audio: Select this option if you want to record audio along with video. Please ensure the camera supports audio function and a microphone has been connected to the DVR. You can further configure audio settings of IP cameras. Please refer to *4.2.1.4 Audio*.

i-Frame Interval: Input an i-Frame interval.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.1.4 Audio

This page is only available for IP cameras. You can configure audio settings for recordings.

Ō			í			-	₹ ₹		•
Channel	Re	əcord	Alarm	Network	Device		Express	System	Exit
► Stream	^	Channel	Enable 🗸	Output Volume 🗸	Input Volume 🗸	Туре	*		
🗕 Main Stream		IP CH1		5 🗸	5 🗸	G711A	~		
🗕 Sub Stream		IP CH4	M	5 🗸	5 🗸	G711A	~		
🗕 Mobile Stream									
- Audio									
Record	~								
Snapshot	~								
									ļ
								Сору	Default Apply

Channel: Displays channel number.

Enable: Check the box to enable the audio settings.

Output Volume: Select an output volume.

Input Volume: Select an input volume.

Type: Select an audio codec.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.2 Record

On this page, you can configure the recording parameters and recording schedule for each channel.

4.2.2.1 Record

		cord	Alarm	Network	Dev	/ice	Express	System	Ex	
► Stream	~ [
▶ Record			Channel	Enable Channel 🗸	Record Stream		Pre-Record V			
Record	^		CH1	Y	Dual Streams	~	×			
- Record			CH2	Y	Dual Streams	~	M			
- Record Schedule			СНЗ	M	Dual Streams	~	M			
			CH4	V	Dual Streams	~	M			
Snapshot	~		CH5		Dual Streams	~				
			CH6	V	Dual Streams	~	V			
				<u>y</u>	Dual Streams	~	M			
				N	Dual Streams	\sim	M			
			IP CH2	×	Dual Streams	~	N			
			IP CH3	V	Dual Streams	~	×			
				V	Dual Streams	\checkmark	<u>~</u>			
			IP CH5	3	Dual Streams	~	×			
			IP CH6	N	Dual Streams	~	M			
			IP CH7	N	Dual Streams	~	N			
			IP CH8		Dual Streams	~	N			
			IP CH9	V	Dual Streams	~	~			
			IP CH10	V	Dual Streams	~	~			
			P CH11	N	Dual Streams	~	×			
			P CH12		Dual Streams	~	×			
								Сору	Default .	Apply

Channel: Displays channel number.

Enable Channel: Check the box to enable the function of the channel.

Record Stream: Select a recording stream for the channel. If you select **Dual Streams**, the system will record both Main Stream and Sub Stream. If you select **Main Stream**, the system will only record Main Stream.

Pre-Record: Check the box to enable the pre-record function. The DVR will start recording a few seconds before an alarm/event is triggered.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.2.2 Record Schedule

On this page, you can configure the recording schedule for Normal, Motion, I/O or PIR recordings.

Channel		cord		(i Alarm			etwork		Devi				ζςς Ε×Ρ			ر کر Syst	kern	[Exit
Stream	~	Ghann	el CH1			~														
Record	^	0		2	4	6	8	1	12	1	4 1	:16 ; 1 ;	1. 1.	18 ;	20	22	2			
- Record		s																 Nor 		
- Record Schedule		м																 Mot I/O 		
🖾 Snapshot	*	т																0.00		
		w																		
		т																		
		F																		
		s																		
																		Сору	Default	Apply

Channel: Select a channel from the drop-down list.

Normal: Click the **Normal** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with green color, which will be applied with normal recording function.

Motion: Click the **Motion** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with yellow color, which will be applied with motion recording function. Note that for this function to work, you will have to configure the motion settings in advance (please refer to *4.1.6 Motion*).

IO: Click the **IO** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with red color, which will be applied with IO recording function. Note that for this function to work, you will have to configure the IO settings in advance (please refer to *4.3.2 IO*).

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.3 Snapshot

On this page, you can configure the snapshot parameters or set up the snapshot schedule.

4.2.3.1 Snapshot

On this page, you can configure the snapshot parameters.

Channel	Recor		Alarm	Network			vice	ę	xpress	ر »	stem	[E xit
▶ Stream	~	Channel	Auto Snapshot 🗸	Stream Type	~	Normal Inte	inval 🗙	Alarm Inter	wal 🗸	Snapshot Resolu	ion 🖌	Snapshot Qu	ality 🖌
▶ Record	~	CH1		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	······································
		CH2		Main Stream		5 Sec.	• •	5 Sec.	~	1920 x 1080	• •	Good	• •
🔄 Snapshot	^	СНЗ		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	~
 Snapshot 		CH4		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	~
 Snap. Schedule 		CH5		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	~
		CH6		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	~
		CH7		Main Stream		5 Sec.	~	5 Sec.	~	1920 x 1080	~	Good	~
		IP CH1		Main Stream		5 Sec.	~	5 Sec.	~				
		IP CH2		Main Stream	~	5 Sec.	~	5 Sec.	~				
		IP CH3		Main Stream	~	5 Sec.	~	5 Sec.	~				
		IP CH4		Main Stream	~	5 Sec.	~	5 Sec.	~				
		IP CH5		Main Stream		5 Sec.	~	5 Sec.	~				
		IP CH6		Main Stream	~	5 Sec.	~	5 Sec.	~				
				Main Stream	~	5 Sec.	~	5 Sec.	~				
		IP CH8		Main Stream	~	5 Sec.	~	5 Sec.	~				
		IP CH9		Main Stream	~	5 Sec.	~	5 Sec.	~				
				Main Stream	~	5 Sec.	~	5 Sec.	~				
				Main Stream	~	5 Sec.	~	5 Sec.	~				
				Main Stream	~	5 Sec.	~	5 Sec.	~				
		For IP ch	annels, maximum snap	shot resolution is	1080P						Сору	Default	Apply

Channel: Displays the channel number.

Auto Snapshot: Check the box to enable the Auto Snapshot function. For this function to work, you will have to configure the Snapshot Schedule. Please refer to *4.2.3.2 Snap. Schedule.*

Stream Type: Select main stream or sub stream for the snapshot image.

Normal Interval: Configure an interval to automatically take a normal snapshot. For this function to work, you will have to configure the Snapshot Schedule. Please refer to *4.2.3.2 Snap. Schedule*.

Alarm Interval: Configure an interval to automatically take a snapshot when motion, IO alarm is triggered. For this function to work, you will have to configure the Snapshot Schedule. Please refer to *4.2.3.2 Snap. Schedule*.

Snapshot Resolution: Select a resolution for the alarm snapshot image.

Snapshot Quality: Select an image quality for the alarm snapshot image.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.2.3.2 Snap. Schedule

On this page, you can configure the snapshot schedule.



Channel: Select a channel from the drop-down list.

Normal: Click the **Normal** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with green color, which will be applied with normal snapshot function.

Motion: Click the **Motion** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with yellow color, which will be applied with motion snapshot function. Note that for this function to work, you will have to configure the motion settings in advance (please refer to *4.1.6 Motion*).

IO: Click the **IO** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with red color, which will be applied with IO snapshot function. Note that for this function to work, you will have to configure the IO settings in advance (please refer to *4.3.2 IO*).

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.

4.3 Alarm

You can configure the alarm settings on this page.

4.3.1 Motion

After configuring the Motion Detection settings, you can further configure the Motion Alarm settings. To configure the Motion Detection setting, click the **Motion** button to enter the Motion Detection setup page (please refer to *4.1.6 Motion*).

	Channel	Record	1	(j Alarm		÷	etwork		Device	-	Expres	ک ss	Syste	3		Exit
オ			Channel	Buzzer	~	Alarm Out	Alarm Output	~	Record		Post Recording	*	Show Message	*	Send Email	✓ FTP Pic
A			CH1	Disable	~	¢,	10 Sec.	~			30 Sec.	~	×		×	
$\overline{\Box}$	Intelligent	~		Disable	~	\$\$ \$	10 Sec.	~			30 Sec.	~	Y		Y	
			СНЗ	Disable	~		10 Sec.	~			30 Sec.	~	Y		Y	
0	PTZ Linkage		CH4	Disable	~		10 Sec.	~			30 Sec.	~	Y		M	
A	Exception		CH5	Disable	~		10 Sec.	~			30 Sec.	~	N		M	
D	Alarm Schedule		CH6	Disable	~		10 Sec.	~			30 Sec.	~	<u>×</u>		M	
			CH7	Disable	~		10 Sec.	~			30 Sec.	~	×		M	
			IP CH1	Disable	~		10 Sec.	~			30 Sec.	~	<u>×</u>		M	
			IP CH2	Disable	~		10 Sec.	~			30 Sec.	~	<u>×</u>		M	
			IP CH3	Disable	~		10 Sec.	~			30 Sec.	~	V		M	
			IP CH4	Disable	~		10 Sec.	~			30 Sec.	~	<u>×</u>		M	
			<										Motion	Сору	Default	Apply

Channel: Displays the channel number.

Buzzer: Select a time for DVR buzzer to sound when a motion event is triggered. Select **Disable** to disable the function.

Alarm Out: Select an external alarm output device connected to the DVR (Local), IPCam (CH) or both (All).

Alarm Output: Select an alarm output time (duration) when events occur. When an event is triggered, the alarm will last based on the setup time.

Record: Click ⁽²⁾ and select the desired channel(s) you want to record when a motion event is triggered. Note that for recording function to work, the Record Schedule function has to be configured (please refer to *4.2.2.2 Record Schedule*).



Post Recording: Select a post recording time when a motion event is triggered.

Show Message: Check the box to display the motion icon $\stackrel{\frown}{\land}$ on the live channel when a motion event is triggered.

Send Email: Check the box to enable the Email alert function. When a motion event is triggered, the DVR will send an email alert with a snapshot to the pre-configured Email receiver. Note that for this function to work, you have to set up the Email function in advance (refer to *4.4.3 Email*).

🕞 EverFocus

FTP Picture Upload: When an event is triggered, the DVR will upload alarm images to FTP server. Note that for this function to work, you have to set up FTP configurations in advance. You can also configure the snapshot image resolution and quality, please refer to *4.4.4.1 FTP*.

FTP Video Upload: When a motion event is triggered, the DVR will upload alarm videos to FTP server. Note that for this function to work, you have to set up FTP Schedule in advance, please refer to *4.4.4.2 FTP Schedule*.

Picture to Cloud: When a motion event is triggered, the DVR will upload alarm images to Cloud (Dropbox or Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Video to Cloud: When a motion event is triggered, the DVR will upload alarm videos to Cloud (Dropbox or Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Full Screen Trigger: If this function is enabled and a motion event is triggered, the triggered channel will be displayed in full screen.

Motion: Click the **Motion** button to enter the Motion Detection setup page (please refer to *4.1.6 Motion*).

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.3.2 IO

After connecting the external IO devices to the DVR or IPCam, you can further configure the IO Alarm settings.

	Channel	Record	(i) Alarm	Netw	•		Device		Expre		ک ۵	у stem	Exit
オ	Motion	Alarm In	Alarm Type 🗸 🗸	Buzzer	~	Alarm Out	Alarm Output	~	Channel	Post Recording	*	Show Message 🗸	Send Email
<u>.</u>		Local<-1	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~		~
ø	Intelligent	✓ Local<-2	N.O. (Normally C 🗸	Disable	$\mathbf{\sim}$		10 Sec.	~		30 Sec.	~	×	N
		Local<-3	N.O. (Normally C 🗸	Disable	~		10 Sec.	¥		30 Sec.	~		M
o	PTZ Linkage	Local<-4	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~		×
▲	Exception	Local<-5	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~	N	Y
D	Alarm Schedule	Local<-6	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~	N	V
		Local<-7	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~	×	N
		Local<-8	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~	N	V
		IP CH1<-1	off 🗸	Disable	~		10 Sec.	~		30 Sec.	~		×
		IP CH4<-1	N.O. (Normally C 🗸	Disable	~		10 Sec.	~		30 Sec.	~		V
													,
												Copy Default	Apply

Alarm In: Displays the alarm input number.

Alarm Type: Select an alarm type for the alarm input. Options include Normally-Open, Normally-Close and Off.

Buzzer: Select a time for DVR buzzer to sound when an IO event is triggered. Select **Disable** to disable the function.

Alarm Out: Select an external alarm output device connected to the DVR (Local), IPCam (CH) or both (All).

Alarm Output: Select an alarm output time (duration) when events occur. When an event is triggered, the alarm will last based on the setup latch time.

Channel: Click and select the desired channel(s) you want to record when an IO event is triggered. Note that for IO recording function to work, the Record Schedule function has to be configured (please refer to *4.2.2.2 Record Schedule*).



Post Recording: Select a post recording time when an IO event is triggered.

Show Message: Check the box to display the IO event icon on the live channel when an IO event is triggered.

Send Email: Check the box to enable the Email alert function. When an IO event is triggered, the DVR will send an email alert with a snapshot to the pre-configured Email receiver. Note that for this function to work, you have to set up the Email function in advance (refer to *4.4.3 Email*).

FTP Picture Upload: When an event is triggered, the DVR will upload alarm images to FTP server. Note that for this function to work, you have to set up FTP configurations in advance. You can also configure the snapshot image resolution and quality, please refer to *4.4.4.1 FTP*.

FTP Video Upload: When a motion event is triggered, the DVR will upload alarm videos to FTP server. Note that for this function to work, you have to set up FTP Schedule in advance, please refer to *4.4.4.2 FTP Schedule*.

Picture to Cloud: When an event is triggered, the DVR will upload alarm images to Cloud (Dropbox or Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Video to Cloud: When an event is triggered, the DVR will upload alarm videos to Cloud (Dropbox or Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Full Screen Trigger: If this function is enabled and an IO event is triggered, the triggered channel will be displayed in full screen.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.

4.3.3 Intelligent Alarm

After configuring the Intelligent functions settings, you can further configure the Alarm settings for each intelligent function. To configure the Intelligent functions, click the **Intelligent** button to enter each intelligent function setup page (please refer to *4.1.8 Intelligent*).

The Intelligent Alarm setup configurations for each intelligent function are similar. Here we use Perimeter Intrusion alarm setup page for example.

Ō		í)	.0					2	2 H	~	~		+
Channel	Record	Alarm		Ne	etwork		Device		Expre		Syst	em		Exit
券 Motion	Channel	Buzzer	*	Alarm Out	Alarm Output	*	Record	- ~	Post Recording	, ~	Show Message	∨ s	end Email	✓ FTP Pic
<u> </u>	CH1	Disable	~		10 Sec.	~			30 Sec.	~				
Intelligent	СН2	Disable	~		10 Sec.	~			30 Sec.	~				
	СНЗ	Disable	~		10 Sec.	~			30 Sec.	~	2		M	
 Perimeter Intrusion 	CH4	Disable	~		10 Sec.	~			30 Sec.	~	X		M	
Line-Crossing	CH5	Disable	~		10 Sec.	~			30 Sec.	~	M		M	
- Foreign/Missing Object		Disable	~		10 Sec.	~			30 Sec.	~	3		M	
		Disable	~		10 Sec.	~			30 Sec.	~	Y		V	
 Pedestrian Detection 		Disable	~		10 Sec.	~			30 Sec.	~	M		Y	
 Cross-Counting Detection 	in IP CH3	Disable	~		10 Sec.	~			30 Sec.	~	Y		X	
 Sound Detection 		Disable	*			~			30 Sec.	*			M	
🕳 Video Tampering														
👴 PTZ Linkage														
1 Exception														
Alarm Schedule														
	· •													
											Intelligent	Сору	Default	Apply

Channel: Displays the channel number.

Buzzer: Select a time for DVR buzzer to sound when an event is triggered. Select **Disable** to disable the function.

Alarm Out: Select an external alarm output device connected to the DVR (Local), IPCam (CH) or both (All).

Alarm Output: Select an alarm output time (duration) when events occur. When an event is triggered, the alarm will last based on the setup latch time.

Record: Click and select the desired channel(s) you want to record when an event is triggered on this channel. Note that for recording function to work, the Record Schedule function has to be configured (please refer to *4.1.8.9 Record Schedule*).



Post Recording: Select a post recording time when an event is triggered.

Show Message: Check the box to display an Intelligent event icon "S" or intelligent messages on the live channel when an event is triggered.

Send Email: Check the box to enable the Email alert function. When an event is triggered, the DVR will send an email alert with a snapshot to the pre-configured Email receiver. Note that

for this function to work, you have to set up the Email function in advance (refer to 4.4.3 *Email*).

FTP Picture Upload: When an event is triggered, the DVR will upload alarm images to FTP server. Note that for this function to work, you have to set up FTP configurations in advance. You can also configure the snapshot image resolution and quality, please refer to *4.4.4.1 FTP*.

FTP Video Upload: When a motion event is triggered, the DVR will upload alarm videos to FTP server. Note that for this function to work, you have to set up FTP Schedule in advance, please refer to *4.4.4.2 FTP Schedule*.

Picture to Cloud: When an event is triggered, the DVR will upload alarm images to Cloud (Dropbox or Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Video to Cloud: When an event is triggered, the DVR will upload alarm videos to Cloud (Dropbox Google Drive). Note that for this function to work, you have to set up Cloud in advance, please refer to *4.5.2 Cloud*.

Full Screen Trigger: If this function is enabled and an event is triggered, the triggered channel will be displayed in full screen.

Intelligent: Click the button to enter each Intelligent setup page (please refer to *4.1.8 Intelligent*).

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.3.4 PTZ Linkage

You can associate an alarm trigger (motion or I/O) with a specific camera and then activate a PTZ camera to go to a preset position when the alarm is triggered.

		(i)				₹2¢	3	
Channel Re	cord	Alarm	Network	Device		Express	System	Exit
券 Motion	Channel	Switch 🗸	Motion 🗸	1/0 ~	PTZ1 🗸	PTZ2 🗸	PTZ3 🗸	PTZ4 🗸
🔔 1/0	CH1		~		🍪 Off	🔅 ୍ମ	🍈 Off	🧑 Off
🟹 Intelligent 🗸	CH2		M		🎲 off	🔅 ा	🔅 off	🚯 ा
	СНЗ		N		🍪 Off	🍪 off	ô Off	ô on
👵 PTZ Linkage	CH4		Y		ô of	é) of	🏟 on	i cit
Exception	CH5		M		(i) Off	🏠 ा	🍪 ा	🏠 ା
Alarm Schedule	CH6		M		🔅 Off	🔅 ୍ମ	🍪 Off	🚯 ା
	CH7		M		ô Off	🍪 o#	ô Off	🍪 off
			Y		C C	to to	🄅 off	to to
	IP CH2		Y		() of	és of	🄅 on	ର୍ତ୍ତୁ ୦୩
	IP CH3		Y		i cit	és of	🄅 or	ର୍ତ୍ତ ୦୩
	IP CH4		Y		(j) Off	୍ର୍ତ୍ର୍ର୍ର୍ ୦୩	🔅 ा	ର୍ତ୍ତୁ ୦୩
							Сору	Default Apply

Channel: Displays the channel number.

Switch: Check the box to enable the PTZ Linkage function.

Motion: Check the box to trigger the PTZ Linkage function when a motion event occurs.

IO: Check the box to trigger the PTZ Linkage function when an IO event occurs.

PTZ1-4: Associates the PTZ camera with preset points. Please set up the preset points of your PTZ (analog or IP) cameras in advance (please refer to *3.5.2.2 Preset Setting*). After setting up the preset points, click ⁽ⁱ⁾ to configure a PTZ camera and the preset number. If the PTZ camera is assigned to CH2, select CH2 from the channel dropdown list and then select a desired preset point. When an even is triggered, the configured PTZ camera will turn to the preset point.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.3.5 Exception

You can configure the system alarm settings on this page.

	Ō	•	(i						Sec. Sec.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•
	Channel	Reco	ord	Alarm		Network		Device		Express	System	Exit
*	Motion		Event Type	Switch 🔻	• Buzz		Alarm Out	Alarm Outpu	it 🗸	Show Message 🗸 🗸	Send Email 🗸 🗸	
			No Space on Disk	2	Disable	~		10 Sec.	~			
$\overline{\sim}$	Intelligent	~	Disk Error	N	Disable	~		10 Sec.	~	B	2	
	PTZ Linkage		Video Loss	M	Disable	*		10 Sec.	*	N		
	Exception											
Q	Alarm Schedule											
												Default Apply

Event Type: Displays the event types.

- <u>No Space on Disk:</u> When an HDD is full.
- <u>Disk Error:</u> When the HDD is not detected properly.
- <u>Video Loss:</u> When a camera is not connected properly.

Switch: Check the box to enable the function.

Buzzer: Set up the time for buzzer to sound when an event is triggered. To disable the Buzzer function, select **Disable**.

Alarm Out: Select an external alarm output device connected to the DVR, IPCam or both.

Alarm Output: Select an alarm output time (duration) when events occur. When an event is triggered, the alarm will last based on the setup latch time.

Show Message: Check the box to display an alarm message on the upper-right corner of the live channel when an event is triggered.

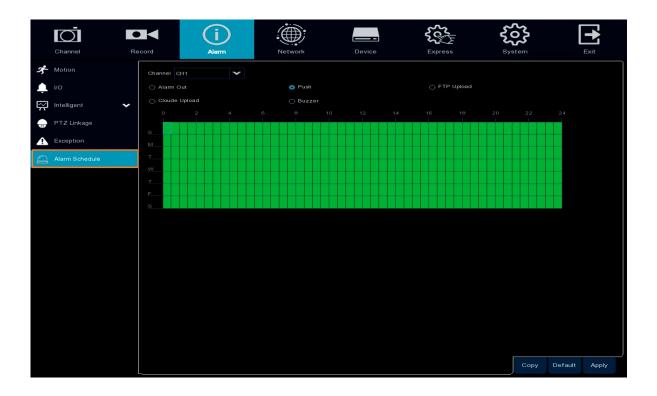
Send Email: Check the box to enable the Email alert function. When an event is triggered, the DVR will send an email alert with a snapshot to the pre-configured Email receiver. Note that for this function to work, you have to set up the Email function in advance (refer to *4.4.3 Email*).

Default: Click to apply the default setting.



4.3.6 Alarm Schedule

You can configure the schedule to activate the alarm functions including IO Alarm Output, Push Notification, FTP Upload, Cloud Upload and Buzzer.





4.4 Network

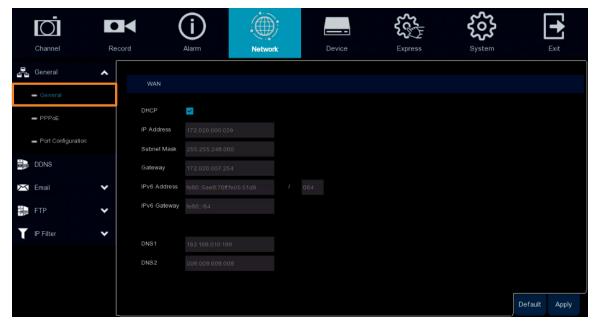
You can configure the network settings on this page.

4.4.1 General

This page allows you to configure network parameters, such as DHCP, Static IP and PPPoE.

4.4.1.1 General

The DHCP setting lets the system use an automatically assigned (dynamic) IP address. This address can change under certain circumstances, for instance, when the DVR's network switch/hub has to be rebooted. DHCP server in LAN will automatically assign an IP configuration for the network connection.



DHCP: Uncheck the box to set up a Static IP address. Check the box to enable DHCP.

- To set up a **Static IP**, uncheck the DHCP checkbox and then input the IP Address, Subnet Mask, Gateway and DNS information.
- To set up a DHCP network, check the DHCP checkbox and the router will automatically assign all the IP parameters to the DVR. The DHCP setting lets the system use an automatically assigned (dynamic) IP address. This address can change under certain circumstances, for instance, when the NVR's network switch/hub has to be rebooted. DHCP server in LAN will automatically assign an IP configuration for the network connection.

IP Address: The IP address of the DVR. The IP address consists of four groups of numbers, separated by periods. For example, "192.168.001.100".

Subnet Mask: Subnet mask is a network parameter which defines a range of IP addresses that can be used on a network. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".



Gateway: This address allows the DVR to access the Internet. The format of the Gateway address is the same as the IP Address. For example, "192.168.001.001".

IPv6 Address: The IPV6 address of the DVR.

IPv6 Gateway: This address allows the DVR to access the Internet.

DNS: DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually, it's enough to just enter the DNS1 server address.

Default: Click to apply the default setting.

Apply: Click to save the settings.

4.4.1.2 PPPoE

This is a DSL-connection application. The ISP will ask the user to input a username and password. Contact your ISP for these details.

Note: If PPPoE is selected as the IP type, the supplied **IP Utility** program will not be able to detect the device.

Channel	Record		j Alarm	Network	Device	Express	System		E xit
General	^	Enable PPPoE	•						
- General		User Password			Show Password				
 Port Configuration 		IP Address							
😹 DDNS	•	Subnet Mask	000.000.000.000						
FTP	•	Gateway DNS1	000 000 000 000 000 000 000 000						
IP Filter	*	DNS2	008.008.008.008						
								Default	Apply

Check the **Enable PPPoE** box, and then enter the User name and Password provided by the ISP. Click the **Apply** button, the system will reboot to activate the PPPoE setting.



4.4.1.3 Port Configuration

On this page, you can configure the port settings or enable/disable the UPnP or P2P function.

Ō		í		$ \mathbf{D} $		Ś	ړۍ کړې		ŝ	[
Channel	Record	Alarm	Net	twork	Device		xpress		System		Exit
🛃 General	^	Service	Protocol	internal Port	External Port	UPNP Status	Maping S	itrategy	UPnP		
- General		Web Port	TCP	08000	00080	Inactive	Auto	×	<u>×</u>		î
- PPPoE		Client Port	TCP	08000	08000	Inactive	Auto	×	V		
- Port Configuration	3	RTSP Port		00554	00554	Inactive	Auto	~	V		
DDNS	4	HTTPS	TCP	00443	00443	Inactive	Auto	×	X		
Email	RTSP Ins	truction: hannel: rtsp://[IP]:Port/	ch[A]/[B]								
FTP		el: rtsp://[IP]:Port/ip[A] i), 02(ch2)	[B]								
IP Filter	► B: 0 (mai	in stream), 1 (sub strea	m)								
	Externa	I IP									
	P2P Sv	vitch 🔽									
											÷
										Default	Apply

Web Port: The Web port can be used to remotely login the DVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.

Client Port: The Client port can be used to send information through (e.g. using the mobile app). If the default port 8000 is already taken by other applications, please change it.

RTSP Port: The RTSP port allows the DVR to transmit real-time streaming to other devices (e.g. using a streaming media player).

HTTPS: The Hypertext Transfer Protocol Secure (HTTPS) is a combination of the Hypertext Transfer Protocol and the SSL/TLS protocol that provides encrypted communication and secure identification of a network web server.

UPnP: Check the box to enable the UPnP function. If you want to remotely login the DVR using Web Client, you need to enable the UPnP function and also enable the Port Forwarding function on your router.

Note:

- 1. For the UPnP function to work, an UPnP-enabled router is required.
- 2. If your router does not support UPnP, ensure the **Port Forwarding** function is manually enabled on your router.

External IP: After enabling the UPnP function, the external IP address will be displayed.

P2P Switch: Check the box to enable the P2P function. If **P2P** function is enabled, a QR code will be displayed on the System Info page. You can scan the QR code with **EverFocus eFVMS App** installed on your mobile device to add and remote access the DVR. Please refer to *4.9.5.1.1 Performing the P2P Function*.

Default: Click to apply the default setting.

4.4.2 DDNS

You can configure the DDNS setting on this page. DDNS (Dynamic Domain Name System) is a service used to map a domain name to the dynamic IP address of a network device. You can set up the DDNS service for remote access to the DVR.

DDNS assigns a domain name (URL) to the DVR, so that the user does not need to go through the trouble of checking if the IP address assigned by DHCP Server has changed. Once the IP is changed, the DVR will automatically update the information to the DDNS to ensure it is always available for remote access.

Note that before enabling the following DDNS function, user should have applied for a host name from the DDNS service provider's website. We highly recommend that you use xxxx.everfocusddns.net for the simplicity of setting up your DVR. Please refer to **EverFocus DDNS** on the next page.

	Channel	Recor		(j) Alarm	Network	Device	 System	[Exit
	General	•	DDNS						
	DDNS		Server	DDNS_3322	~				
X	Email	*	Domain						
18	FTP	•	User						
T	IP Filter	*	Password	Test DDNS		Show Password			
								Default	Apply

DDNS: Check the box to enable the DDNS function.

Server: Select a DDNS service provider from the drop-down list. Note that before enabling the following DDNS function, user should have applied for a host name from the DDS service provider's website.

Domain: Input the domain name obtained from the DDNS service provider.

User: Input the user name of the DDNS account.

Password: Input the password of the DDNS account.

Test DDNS: Click the button to test whether the DDNS function is working normally.

Default: Click to apply the default setting.



EverFocus DDNS

Please follow the steps below to set up EverFocus DDNS.

1. In order to allow remote access to the DVR from outside of the local network, enable either the **Port Forwarding** or **DMZ** function of your router. Please refer to the manual of your router for more details.

the second s					
			1		
DIR-615	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT
VIRTUAL SERVER	PORT FORWARD	no			Helpful Hints
PORT FORWARDING		o open multiple ports or a ra to a single PC on your netw			Check the Application Name drop down men for a list of predefined
APPLICATION RULES	various formats includ (1020-5000, 689).	ding, Port Ranges (100-150)	, Individual Ports (80,	68, 888), or Mixed	applications. If you sele
QOS ENGINE		't Save Settings			one of the predefined applications, click the arrow button next to the
ACCESS CONTROL					drop down menu to fil the corresponding field
WEBSITE FILTER	24 PORT FORW	ARDING RULES			You can select a compu from the list of DHCP
INBOUND FILTER	100		Ports to 0	pen	clients in the Compute
FIREWALL SETTINGS	Name	<< Application Nam	e 🔹 80		Name drop down men or you can manually en
ADVANCED WIRELESS	IP Address	Appication real	e ▼ 80 UDF	Always - P Inbound Filter	the IP address of the L computer to which you would like to open the
WI-FI PROTECTED	192.168.0.172	< Computer Name		Alow Al	specified port.
IR-865L	SETUP	ADVAN	ED	TOOLS	STATUS
	Contraction of the second s			and the second sec	and the second
IRTUAL SERVER	ETREWALL R.	ONT CETTINCE			
		DMZ SETTINGS			
ORT FORWARDING	DMZ means "De	DMZ SETTINGS emilitarized Zone". DMZ fic. Typically, your DMZ			
ORT FORWARDING	DMZ means "Do to Internet traff	emilitarized Zone". DMZ fic. Typically, your DMZ			
ORT FORWARDING PPLICATION RULES OS ENGINE	DMZ means "De	emilitarized Zone". DMZ			
ORT FORWARDING PPLICATION RULES OS ENGINE	DMZ means "Do to Internet traff	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings			
IRTUAL SERVER ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL	DMZ means "Do to Internet traff Save Settings	emilitarized Zone", DMZ fic. Typically, your DMZ Don't Save Settings	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL	DMZ means "Do to Internet traff Save Settings	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings	would contain Web		
ort forwarding pplication rules os engine etwork filter ccess control /ebsite filter	DMZ means "Do to Internet traff Save Settings FIREWALL SE	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTTINGS Enable SPI :	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL /EBSITE FILTER NBOUND FILTER	DMZ means "Do to Internet traff Save Settings	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTTINGS Enable SPI :	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER NBOUND FILTER IREWALL SETTINGS	DMZ means "Du to Internet traff Save Settings FIREWALL SE	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTTINGS Enable SPI :	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER NBOUND FILTER IREWALL SETTINGS OUTING	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER REBUND FILTER REWALL SETTINGS OUTING DVANCED WIRELESS 7LFI PROTECTED	DMZ means "Du to Internet traff Save Settings FIREWALL SE	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING	would contain Web		
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER REBUND FILTER REWALL SETTINGS OUTING DVANCED WIRELESS 7LFI PROTECTED	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le	would contain Web	computer on your net	and others.
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER REBOUND FILTER REWALL SETTINGS OUTING DVANCED WIRELESS IL-FI PROTECTED ETUP	DMZ means "D to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem router. If you h	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le ave a computer that car	would contain Web	servers, FTP servers	and others. work outside of the y from behind the
DRT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL EBSITE FILTER REWALL SETTINGS OUTING DVANCED WIRELESS I-FI PROTECTED ETUP DVANCED NETWORK	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem router. If you h router, then you	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le ave a computer that car u can place the computer	ts you set a single inot run Internet ap r into the DMZ for	servers, FTP servers computer on your net oplications successful unrestricted Internet	work outside of the y from behind the access.
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL PEBSITE FILTER PEBSITE FILTER PEWALL SETTINGS OUTING DVANCED WIRELESS PL-FI PROTECTED ETUP DVANCED NETWORK LNA SETTINGS	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem router. If you h router, then you Note: Putting a	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le ave a computer that car u can place the computer a computer in the DMZ r	would contain Web	servers, FTP servers computer on your net oplications successful unrestricted Internet	work outside of the y from behind the access.
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER CCESS CONTROL REBSITE FILTER REWALL SETTINGS OUTING DVANCED WIRELESS OUTING DVANCED WIRELESS ILTEI PROTECTED ETUP DVANCED NETWORK LNA SETTINGS OUNS SERVER	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem router. If you h router, then you Note: Putting a	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le ave a computer that car u can place the compute a computer in the DMZ r only recommended as a	would contain Web	servers, FTP servers computer on your net oplications successful unrestricted Internet	work outside of the y from behind the access.
ORT FORWARDING PPLICATION RULES OS ENGINE ETWORK FILTER	DMZ means "Du to Internet traff Save Settings FIREWALL SE ANTI-SPOOF Enable and DMZ HOST The DMZ (Dem router. If you h router, then you Note: Putting a	emilitarized Zone". DMZ fic. Typically, your DMZ Don't Save Settings TTINGS Enable SPI : [CHECKING ti-spoof checking : [ilitarized Zone) option le ave a computer that car u can place the computer a computer in the DMZ r	would contain Web	servers, FTP servers computer on your net oplications successful unrestricted Internet	work outside of the y from behind the access.

- Go to http://www.everfocusddns.net to check an available host name for the DVR. Note that the host name of the DVR cannot include a space, underline or any special characters particularly _~ ! @ # \$ % ^ & * () + <> "; :..,
- 3. Register the host name on the DDNS setup page for the DVR.



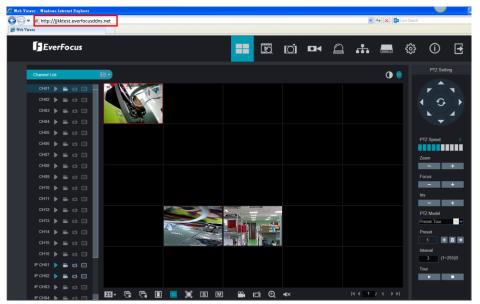
Channel	Reco		Alarm	Network	Device	Express	System	Exit
📇 General	~	DDNS	×					
둸 DDNS		Server	EVERFOCUS_DDNS	~				
🖂 Email	~	Domain		.ever	focusddns.net			
FTP	~							
T IP Filter	~							
								Default Apply

- a. Check DDNS to enable the DDNS function.
- b. Select EVERFOCUS DDNS from the Server drop-down list.
- c. Input the host name in the DVR Name field.
- d. Click the Apply button.
- 4. Configure the DVR **Network** settings, keep Web port "80" and enable the UPnP function. Click the **Apply** button.

Channel		cord	(i) Alarm	Network	Device	Express	System	
📇 General	^		Service	Protocol	Internal Port	External Port	UPNP Status	UPnP
- General		1	Web Port	TCP	00080	00080	Inactive	>
- PPPoE		2	Client Port	TCP	09000	09000	Inactive	×
— 3G			RTSP Port	TCP	00554	00554	Inactive	×
Port Configuration			Https		00443	00443	Inactive	>

 The DDNS setup is now complete. Open a browser and enter the domain name (http://[host name].everfocusddns.net) in the address field. The Web interface of the DVR should be displayed.

For example, if you've obtained the host name "jjkktest" from EverFocus DDNS server, enter <u>http://jjkktest.everfocusddns.net</u> in the address field of the browser.





4.4.3 Email

You can configure the email settings for email alerts, or configure the Email schedule on this page.

4.4.3.1 Email Configuration

You can configure the email settings for email alerts. When events occur, the DVR will send Email alert with a snapshot image (.jpg) to the receiver(s).

	Ō		((i)			₹ ₹		[
	Channel	Record		Alarm	Network	Device	Express	System		Exit
ł	General	~	Email	×						
	DDNS		Encryption	Auto	~					
${}^{\times}$	Email	^	SMTP Port	00025						
	 Email Configuration 		SMTP Server							
	 Email Schedule]	User Name							
			Password			Show Password				
- P	FTP	~	Sender							
T	IP Filter	~	Receiver 1							
			Receiver 2							
			Receiver 3							
			Interval	3 Min(s)	~					
				Test Email						
									Default	Apply

Email: Check the box to enable the Email function.

Encryption: Select an encryption if your Email server requires the **SSL** or **TLS** verification. Select **Auto** if you are not sure. Select **Disable** to disable this function.

SMTP Port: Enter the port number used by the SMTP server.

SMTP Server: Enter the SMTP server address of your Email.

User Name: Input your Email address.

Password: Input the password of the sender.

Sender: Input the Email address of the sender (the DVR).

Receiver1-3: Input the Email address of the receiver. You can input 3 receiver email addresses.

Interval: Configure an interval to send Emails when events occur.

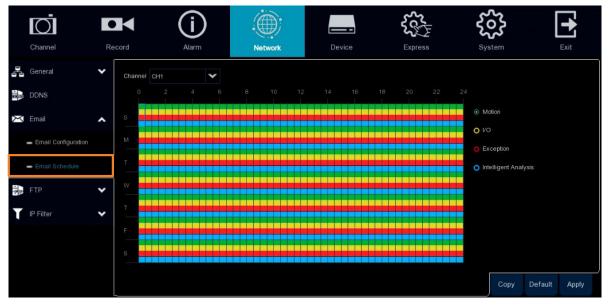
Test Email: Click to test whether the Email function is working normally.

Default: Click to apply the default setting.



4.4.3.2 Email Schedule

You can configure the email schedule on this page. The selected event Email alerts will be sent out by the scheduled time. For example, if you set up Motion on Sunday between 6-8am, the Motion Email alerts will only be sent out between 6-8am on Sunday.



Channel: Select a channel to configure the email schedule individually.

Motion: Click the **Motion** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with green color, which will be applied with motion email alert function. To enable Motion alarm, please refer to *4.1.6 Motion*.

IO: Click the **IO** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with yellow color, which will be applied with IO email alert function. To enable IO alarm, refer to *4.3.2 IO*.

Exception (HDD full, HDD error or Video Loss): Click the **Exception** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with red color, which will be applied with exception email alert function. To enable Exception alarm, please refer to *4.3.5 Exception*.

Intelligent Analysis: Click the **Intelligent Analysis** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with blue color, which will be applied with Intelligent Analysis email alert function. To enable Intelligent Analysis alarm, please refer to *4.3.3 Intelligent Alarm*.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.4.4 FTP

4.4.4.1 FTP

You can configure the FTP server setting on this page. When there is a Motion or I/O event occurs, the system will send an instant snapshot image to the FTP. For system alarm such as HDD lost and Video loss, the system will send alarm log to the FTP as well.

Channel	Record	Alarm	Network		evice	Express	System	[E xit
		Alain	NELWOIK	U	54100	Express	Gystein		Exit
General	*	FTP Enable							
DDNS		Server IP			Test FTP				
🔀 Email	~	Port	00021						
FTP	~	User Name							
ETP		Password			Show Password				
		Picture Resolution	1280 x 720	~					
FTP Schedule		Picture Quality	Very Good	×					
IP Filter	~	Video Stream Type	Sub Stream	~					
		Max. Package Interval	30 Min(s)	~					
		Directory Name							
		Upload Alarm Video	Motion I/O						
		opload Alaini Video	Intelligent						
								Default	Apply

FTP Enable: Check the box to enable the function.

Server IP: Input the FTP server IP.

Test FTP: Click to test the FTP server connection.

Port: Keep the port 21.

User Name: Input the user name of the FTP server.

Password: Input the password of the FTP server.

Picture Resolution: Select a resolution of the snapshot images for FTP uploading.

Picture Quality: Select a quality of the snapshot images for FTP uploading.

Video Stream Type: Select a stream type of the recordings for FTP uploading.

Max. Package Interval: Select a max. package interval for FTP uploading.

Directory Name: Input a directory of the FTP server.

Upload Alarm Video: To enable uploading alarm videos to the FTP Server, click the Motion, IO or Intelligent buttons to enter each alarm setup page, and then check the **FTP Video Upload** box to enable the function. For this function to work, please setup the FTP Schedule (refer to *4.4.4.2 FTP Schedule*) in advance.

Default: Click to apply the default setting.

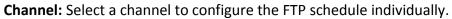


4.4.4.2 FTP Schedule

You can configure the FTP schedule on this page. The selected event recordings will be uploaded to the FTP by the scheduled time. For example, if you set up Motion on Sunday between 6-8am, the Motion recordings will be uploaded to FTP between 6-8am on Sunday.

Note that for the FTP Schedule function to work, you have to enable **FTP Video Upload** function on the related alarm setup page (Motion, IO, Intelligent).





Motion: Click the **Motion** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with yellow color, which will be applied with motion FTP upload function. To enable Motion alarm, please refer to *4.1.6 Motion*.

IO: Click the **IO** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with red color, which will be applied with IO FTP upload function. To enable IO alarm, refer to *4.3.2 IO*.

Intelligent Analysis: Click the **Intelligent Analysis** button on the right-side and then move your mouse cursor over the schedule time blocks. Click and drag on the schedule time blocks to draw the blocks with blue color, which will be applied with Intelligent Analysis FTP upload function. To enable Intelligent Analysis alarm, please refer to *4.3.3 Intelligent Alarm*.

Copy: You can apply the same configurations from one channel to other channels. Select a channel from the **Source Channel** drop-down list and then select the parameters you would like to apply to other channels. Select the desired channels from the **Target Channel** field and then click the **Copy** button.

Default: Click to apply the default setting.



4.4.5 IP Filter

You can configure the IP Filter settings on this page. This function allows you to allow or deny some specific IP address to access the Web interface of the DVR. By default, all IP addresses are allowed.

Channel	Record	Alarm	Network	Device	Express	ر عر	S rstem	Exit
General 😽	✔ ▼ Enable	Enable	Whitelist () Enable Blac	klist				
_	Restricted Start IP Ad End IB Ad	dress 192.168.2		Single Network Se				
IP Filter		No. Start IP	Address	End IP Address	Edit	Delete		
	Remove IP	2 192.16	8.22.100	192,168,22,99 192,168,22,233			Default	Apply

To set up IP Filter:

1. Check the **Enable** box and then select either one from the two options below. You can only activate one option for the DVR.

Enable Whitelist: Enable the whitelist configured below.

Enable Blacklist: Enable the blacklist configured below.

- 2. Edit the Whitelist or Blacklist.
 - a. If you want to edit whitelist, select **Whitelist** from the **Restricted Type** drop-down box; if you want to edit blacklist, select **Blacklist** from the **Restricted Type** drop-down box.
 - b. To add a single IP address to the list, input an IP address in the **Start IP Address** input box and then click the **Single Add** button, the IP address will be added.
 - c. To add a range of IP addresses to the list, input the start IP address in the Start IP Address input box and the end IP address in the End IP Address input box, and then click the Network Segment Add button, the range of IP addresses will be added.
 - d. You can click the **Edit** icon to edit the IP address, or click the **Delete** icon to delete the IP address from the list.
- 3. Click the **Apply** button to save the settings.

4.5 Device

You can configure the internal HDD and Cloud storage function on this page.

4.5.1 Disk

4.5.1.1 Disk

You can configure the HDD settings on this page. Please connect the HDD(s) to the DVR in advance and ensure the power and SATA cables are properly connected between the DVR and HDD(s). After connecting the HDD(s) to the DVR, the DVR will automatically detect the connected HDD(s) and listed all the connected HDD(s) in the below field.

For the first time connected HDDs, the status will show "Unformat" in the state column, users will have to format the HDDs before you can use it.

The HDD(s) marked with * in the No. column indicates the HDD(s) is/are being used at present.

Channel	Record	Alam)	Network	Device		روپ Expre		System	Exit
R Disk	▲ No.	✓ No:	Edit	Model:	Firmware	Туре	Disk Group	State	Free/Total	Free/Total Time
- Disk	~ 1	• ZA2021KP		ST10000VX0004-1ZE101	AV01	RW	Group1	Normal	6228G/9315G	561Hour/839Hour
🗕 Disk Group	2	ZA201GCK		ST10000VX0004-1ZE101		RW	Group1	Normal	9304G/9315G	838Hour/839Hour
= S.M.A.R.T										
Cloud										
	Overw	rite Auto	✓ For	mat HDD						,
										Default Apply

Edit: Click the **Edit** button and the below window appears. You can assign each HDD to different Disk Type (Read/Write, Read only or Redundancy) and Disk Group (Group $1 \sim 16$).

A Redundant HDD can be used to automatically backup video footage on the recording (read-write) hard drive. When a redundant HDD is set, the system can be set to record cameras in parallel to both the recording hard drive and the redundant hard drive in case of hard drive failure.

	HDD	×
HDD ID:	Disk 2	~
Disk Type	Read Write Disk	~
Disk Group	Record Disk Group 1	~
	OK Cancel	

Checkbox: You can select the HDDs in the **No** column to select the HDD(s), and then you can set up the Overwrite or eSATA function, or Format the HDD. Note that eSATA function only supports for models with eSATA port.



Overwrite: Select **Auto** to enable the overwrite function; **Off** to disable the overwrite function. If **Auto** is selected, the system will overwrite the oldest files on the HDD when HDD is full. If **Off** is selected, please check the HDD status regularly, to make sure the HDD is not full. The **1/3/7/14/30/90** Days stands for the max. number of recording days. For example, if 3 days is selected, the system will only record for 3 days and then start the overwrite process, which means, the system will always keep 3-day-recordings in the storage.

Format HDD: The first time use HDDs have to be formatted before you can use it. Select the desired HDDs and then click the **Format HDD** button to format the selected HDDs. Note that only the HDDs with "Unformat" status displayed in the State column are required to format or the recording function will not work. WARNING: This will effectively ERASE the ENTIRE hard disk!! Please backup the data from HDDs before formatting the HDDs.

Note:

- 1. Only the HDDs with "OK" in the State column can perform the recording function. If not, format the HDDs before start using the recording function.
- 2. The "Free Time" on the HDD list indicates the remaining time for the HDD to record based on the pre-setup resolution, streaming and fps.

Record on eSATA: If you have connected an external eSATA storage device to the DVR, you can enable the eSATA backup storage function. Note that eSATA function only supports for models with eSATA port.

Default: Click to apply the default setting.



4.5.1.2 Disk Group

You can assign the HDDs to different groups. HDD groups allow you to balance recordings across multiple hard drives. For example, you can record channels 1~4 to one hard drive and 5~8 to a second hard drive. This can reduce the amount of wear on the hard drives and may extend the life of the hard drives.

Channel		ecord	(i) Alarm	Network	Device	Express	System		Exit
R Disk	^	Disk Group Type	Record Disk Group		~]			
- Disk		Disk Group	Record Disk Group 1		~				
- Disk Group		Record Channel	Select All Invert S						
- S.M.A.R.T		Analog Chan 🗹 IP Channels	nels 1 2 3 4 5 6 1 2 3 4 5 6	5 7 8 5 7 8 9 10 11 12					
Cloud									
		One channel can							
								Default	Apply

Disk Group Type: Select a Disk Group type. The Disk Group Type has to be pre-configured on the Disk page (please refer to *4.5.1.1 Disk*).

Disk Group: Select a Record Disk Group. The Record Disk Group has to be pre-configured on the Disk page (please refer to *4.5.1.1 Disk*).

Record Channel: Select the desired channel(s). The recordings of the selected channels will be recorded to the selected Disk Group.

Default: Click to apply the default setting.



4.5.1.3 S.M.A.R.T

You can check the S.M.A.R.T.	info of each HDD on this page.
------------------------------	--------------------------------

Channel	Record	(i) Alarm	Network	De	evice	کر Expre		System	Exit
C Disk	A HDD ID:	ZA2021KP	~	Self-Check Ty	/pe: Short			~	
- Disk	Self-Check S	tate: Not detected							
	Temperature			Utility Time (d					
 Disk Group 	Whole Evalua	ation: Passed		Check					
- S.M.A.R.T	S.M.A.R.T.	Info:							
Cloud		Attribute Name	Status	Flags	Value	Poorest	Threshold	Raw Value	
	0x1	Raw Read Error Rate						44447538	î
	0x3	Spin Up Time							
	0x4	Start Stop Count						3026	
	0x5	Reallocated Sector Ct							
	0x7	Seek Error Rate						3622548667	
	0x9	Power On Hours						18164 (122 205 0)	
	0xa	Spin Retry Count							
	0xc	Power Cycle Count							
	0xb8	End-to-End Error							
	Oxbb	Reported Uncorrect							
	Oxbc	Command Timeout						21475164165	
	0xbd	High Fly Writes							
	Oxbe	Airflow Temperature Cel						40 (Min/Max 26/40)	
	Oxbf	G-Sense Error Rate						85081	
	0xc0	Power-Off Retract Count							
	0xc1	Load Cycle Count							
	nn	T	041		**	r	^	40 10 0 4 0 0 0	Ļ

To check the S.M.A.R.T. info of the HDD, select an HDD from the **HDD ID** drop-down list, select a check type from the **Self-Check Type** drop-down list, and then click the **Check** button. The S.M.A.R.T. info will be listed in the S.M.A.R.T. info field.

If the evaluation is not passed but you still want to use the disk for recording, you can check the checkbox of **Whole evaluation not passed. Continue to use the disk**. And then click the **Save** button to save the settings. Click Cancel to cancel and leave the page.



4.5.2 Cloud

You can configure the Cloud settings (Dropbox or Google Drive) on this page. After configuring the settings, the system will automatically send the Motion and I/O alarm snapshot images (.jpg) or video clips (.avi) to the associated Dropbox or Google Drive when alarm events occur.

Channel	Record		(i) Alarm	Network		Device	Express	System		Exit
Cloud	•	Cloud Storage Cloud Type Cloud Status Capacity	Dropbo Deactiv		*	Activate Cloud				
		Cloud Overwrite Video Type	Auto AVI		* *					
		Channel		Driver Name						
				CH5						
				CH6						
				IP CH1						
				IP CH2						
									Default	Apply

4.5.2.1 Activating Dropbox

Follow the steps below to activate the Dropbox function:

- 1. Ensure the **Video to Cloud** or **Picture to Cloud** functions on the related alarm setup page (Motion, IO, Intelligent) has been enabled.
- 2. Register an account on Dropbox website. It's recommended to create the account with the same Email address and password used for your DVR.
- 3. Ensure the DVR network is working properly.
- 4. Configure the SMTP function (refer to 4.4.3 Email).
- 5. Configure the Cloud settings.
 - a. Check the **Cloud Storage** checkbox to enable the Cloud function.
 - b. Select Dropbox from the **Cloud Type**.
 - c. Select a Cloud Overwrite option and Video Type.
 - d. Click Apply.
- 6. Click the **Activate Cloud** button to activate the Cloud function. The below message will pup-up. Check your email and complete the cloud activation within 3 minutes.

Activate Cloud	X
The activation mail has been sent successfully. Please check emailkuo@gmail.com and activate the cloud through the link in about 3 minutes.	
OK	



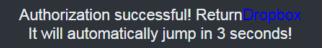
7. Go to your email box and click on the provided link. Sign in Dropbox and the below message appears. Input the IP address of the DVR and keep the 80 port. Click **Authorize**.

Sign in to Dropbox to link with DVRCloudStorage	PC is on the address of t	e same network as t	for this device. Please make sure the the device and enter the local IP ne IP address can be found in the settings.
G Sign in with Google			
or		IP Address	172.20.0.28
Email		Port	80
Password			
This page is protected by reCAPTCHA, and subject to the Google Privacy Policy and Terms of Service.			Authorize
Forgot your password? Sign in			

8. Input the user name and password of the DVR and then click Log In.

Us	ser Authentication
admin	
	ОК

9. The Cloud activation is complete. You should now receive the alarm snapshot images or videos from the DVR.

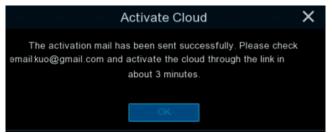




4.5.2.2 Activating Google Drive

Follow the steps below to activate the Google Drive function:

- 1. Ensure the **Video to Cloud** or **Picture to Cloud** functions on the related alarm setup page (Motion, IO, Intelligent) has been enabled.
- 2. Register an account on Google Drive website. It's recommended to create the account with the same Email address and password used for your DVR.
- 3. Ensure the DVR network is working properly.
- 4. Configure the SMTP function (refer to 4.4.3 Email).
- 5. Configure the Cloud settings.
 - a. Check the Cloud Storage checkbox to enable the Cloud function.
 - b. Select Google Drive from the Cloud Type.
 - c. Select a Cloud Overwrite option and Video Type.
 - d. Click Apply.
- 6. Click the **Activate Cloud** button to activate the Cloud function. The below message will pup-up on the screen. Check your email and complete the cloud activation within 3 minutes.

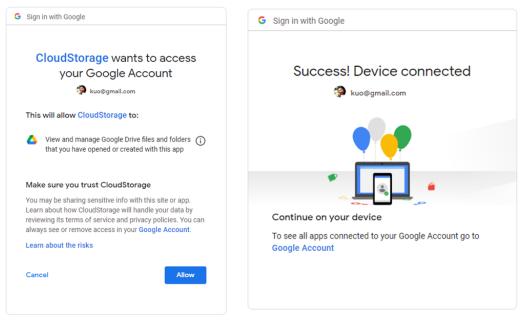


7. Go to your email box, an activation code and link should be included in the email. Click on the provided link and enter the activation code. Click **Next** and sign in your Google account.

Google	G Sign in with Google	
Connect a device	Choose an account to continue to CloudStorage	
Enter code	Jo Kuo ikuo@gmail.com	
Next	② Use another account	
English (United States) - Help Privacy Terms	English (United States) - Help Privacy Te	erms



8. Click Allow for the DVR to connect to Google Drive. The connection has been established.



9. You should now receive the alarm snapshot images or videos from the DVR.

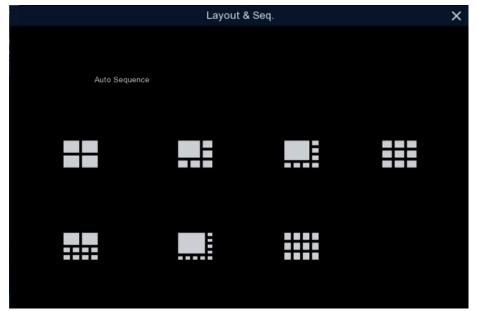
🔥 Drive	Q Search in Drive		
- New	My Drive 👻		
My Drive	Name	Owner	Last modified 🛛 🗸
Shared with me	VANGUARD II 8x4H	me	5:17 PM me
C Recent	AIO_MNVR_FW	me	Feb 22, 2021 me
Starred	AiONVR-00044be9b7b9	me	Jan 6, 2021 me
🛆 Drive	Q Search in Drive		•
New	My Drive > VANGUARD II 8x4H	> 20210223 -	
My Drive	Name	Owner	Last modified $~~$ $~~$
Shared with me	IP CH4	me	5:18 PM me
C Recent	IP CH1	me	5:18 PM me
Starred	IP CH2	me	5:18 PM me
🔟 Trash	СН1	me	5:17 PM me
🔥 Drive	Q Search in Drive		•
+ New	My Drive > ··· > CH1 > vide	e0 *	
My Drive	Name	Owner	Last modified $~~$ \downarrow
Shared with me	CH01_21_02_23_17_20_09.avi	me	5:21 PM me
C Recent	CH01_21_02_23_17_16_35.avi	me	5:17 PM me

4.6 Layout

You can select the desired Layout or activate the Auto Sequence function on this page.

To select a layout, directly click on the layout icon.

To start displaying the sequence mode, click the **Auto Sequence** button, the Auto Sequence function will automatically start. To stop the sequence mode, right-click the mouse. To configure the sequence settings, please refer to *4.9.1.3 Video Output*.

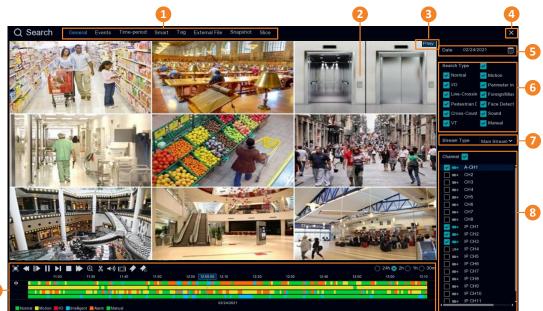




4.7 Playback

4.7.1 General Operation

You can search and then play back the recordings on this page.



No.	Name	Description	
1	Search Mode	Click to enter each Search mode (General, Events, Time-period, Smart, Tag, External File, Snapshot and Slice) to search and play back the recordings. Please refer to <i>4.7.3 Search Mode</i> for more details.	
2	Playback Layout	The layout divisions will be automatically assigned by the system based on the number of selected channels. For example, if 1 channel is selected, the system will automatically assign single-division; if 2~4 channels are selected, 4-division will be assigned; if 5~9 channels are selected, 9-division will be assigned; if 10~16 channels are selected, 16-division will be assigned.	
3	Status Icon	Displays the playback status, such as speed, play, stop or step.	
4	Close Button	You can click the Close button to close the Playback window and return to the Live View window. You can also close the Playback window by right-clicking the mouse.	
5	Date	Click the Calendar button 🗰 to display the calendar and select a date.	
6	Search Type	Select the desired search types or stream type for playback.	
7	Stream Type	Select a stream type of the source recordings. For this function to work, you will have to configure the Record Stream setting to Dual Streams (please refer to <i>4.2.2.1 Record</i>).	
8	Channel Selection	Select the desired channel(s) to search and play back.	
9	Playback Control Panel	You can use the playback control panel for playback operation. Please refer to <i>4.7.2 Playback Control Panel</i> for more details.	



4.7.2 Playback Control Panel

You can use the playback control panel to operate the below functions:



1	Full Screen	Click to display the Playback Layout in full screen. To exit full screen, right-click the mouse or click the Full Screen button again. Please refer to <i>4.7.2.1 Full Screen on Playback Window</i> .	
2	Fast Backward	Fast BackwardClick to rewind (x2, x4, x8, x16). The rewind speed will be displayed on the Status Icon located on the upper-right corner of the Playback Layout.	
3	Slow Play	Click to start slow playback (1/2, 1/4, 1/8, 1/16). The slow play speed will be displayed on the Status Icon located on the upper-right corner of the Playback Layout.	
4	Play / Pause	Click to start or pause playing back.	
5	Step Forward	Click to playback frame by frame.	
6	Stop	Click to stop playing back.	
7	Fast Forward	Click to Fast Forward (x2, x4, x8, x16). The fast forward speed will be displayed on the Status Icon located on the upper-right corner of the Playback Layout.	
8	Zoom	Click to use the Digital Zoom function. To perform this function, select a channel by clicking on the channel and then click the Zoom button, the selected channel will be displayed in single-channel. And you can start using the Digital Zoom function. For Digital Zoom operation, please refer to 3.5.1 Digital Zoom (PIP) for more details. To exit Digital Zoom mode, right click the mouse or click the Zoom button again.	
9	Video Clip	Click to quickly save a video clip (AVI) to a USB storage device. Please refer to <i>4.7.2.2 Backup Video Clips</i> .	
10	Audio	Scroll the slider bar to increase or decrease volume.	
11	Manual SnapshotClick to capture a snapshot image (.jpeg) of a channel and store it to the USB storage device. To perform this function: 1. Insert a USB storage device to the DVR. 2. Select a channel by clicking on the channel and then click the Manual Capture button. Note: For the first-time-use USB device, select a directory and then click OK.		



12	Add Default Tag	Click to add a default tag to the current playback time, which will be applied with a default Tag Name "Tag". You can then search for the tag on the Tag window. Please refer to <i>4.7.3.5 Tag</i> .		
13	Add Customized Tag	Click to add a customized tag to the current playback time, which can input a tag name to the tag. You can then search for the tag on the Tag window. Please refer to <i>4.7.3.5 Tag</i> .		
14	Time Bar	You can use your mouse to drag the time bar to the left or right to search the desired time for playing back. Single-click on the time bar at a certain time will start playing back from the clicked time. The colors on the time bar represent different recording types (refer to No.18). Note that for Motion, Intelligent and Alarm recording to work, you have to configure the related settings in advance. For Motion recording, please refer to <i>4.1.6 Motion</i> . For Intelligent recording, please refer to <i>4.1.8.9 Record Schedule</i> . For Alarm recording, please refer to <i>4.3.5 Exception</i> .		
15	Time Indicator	Indicates the current playback time.		
16	Time Span	You can click to select a time span.		
17	Selected ChannelThe selected channel will be applied with an Eye iconImage: Selected channelSelected channelPerform the Zoom, Audio or Manual Snapshot functions for the selected channel.			
18	Time Bar ColorThe colors indicate the recording types. Green: Normal recordings or manual recordings. Yellow: Motion recordings. Red: I/O recordings. Blue: Intelligent recordings. Orange: Alarm recordings.			
19	Playback Date	Displays the selected playback date.		

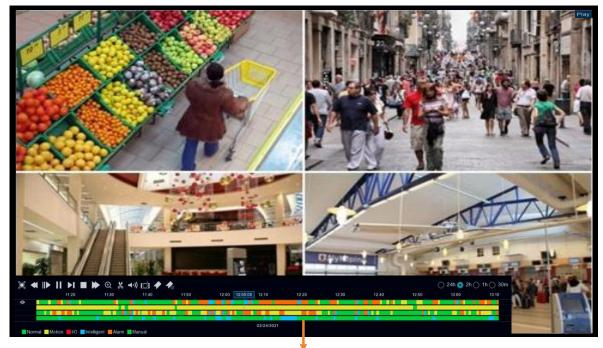


4.7.2.1 Full Screen on Playback Window

On the Playback Control Panel, click the **Full Screen** button **I** to display the Playback Layout in full screen. To exit the Full Screen, right click the mouse or click the **Full Screen** button again.



Under Full Screen mode, you can move your mouse to the bottom side to display the **Playback Control Panel**.



Playback Control Panel

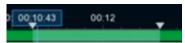


4.7.2.2 Backup Video Clips

	< ⊪) 🕀 💾 ┥)) (Ċİ 🏘 4	0		
	00:00	00:02	00:05	00:07	00 00:10:43	00:12	00:15
2							
							03/06/2019

To backup video clips:

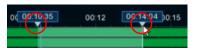
- 1. Ensure the USB storage device has been inserted to the DVR.
- 2. On the Playback Control Panel, click the **Video Clip** button **M**. The button will then change to a **Copy** button **M**, and a copy range will be displayed on the time bar.



3. Check the left-side channel box if you want to back-up with the same start time and end time of the selected channel(s).



4. To set up the start time and end time, drag the Triangle icons to the left or right.



5. Click the **Copy** button **I**, the below Copy Type window appears.



6. Click the **Save** button, the Copy window appears. You can also create a directory for the video clip(s) by clicking the **Directory** button on the upper-right corner.

	Сору	×			
Driver List:	0	i= 🗸 🔨 📻 🛈			
👱 USB1-1	Name	Last Modify			
	🖀 *				
	Сору	03/08/2019 05:54:18			
Remain:/Total:	Location: /hidev/usb1-1				
186.718MB/1.905	GB Directory: /hidev/usb1-1/copy	▲ ►			
	1/1	OK Cancel			

7. Click the **OK** button, the backup process begins. After the backup process is complete, click the **Cancel** button to return to the **Playback** window.



4.7.3 Search Mode

4.7.3.1 General

You can use this page to search, play back and backup all types of recordings. Click the **General** tab to enter the General Playback mode.



- 1. Click the **Calendar** button to select a date.
- 2. Select the desired Search Type(s).
- 3. Select a **Stream Type**. For this function to work, you will have to configure the record stream setting to Dual Streams (please refer to *4.2.2.1 Record*).
- 4. Select the desired channel(s).
- 5. Click the **Play** button to start playing back.
- 6. Use the Playback Control Panel to operate the Playback function. Please refer to *4.7.2 Playback Control Panel* for more details.

Note: The layout divisions will be automatically assigned by the system based on the number of selected channels. For example, if 1 channel is selected, the system will automatically assign single-division; if 2~4 channels are selected, 4-division will be assigned; if 5~9 channels are selected, 9-division will be assigned; if 10~16 channels are selected, 16-division will be assigned.



4.7.3.2 Events

You can use this page to search, play back and backup the event recordings to the USB storage device. The Event Playback page gives you a summary of all events on the list. You can display the events with Thumbnail, List or Details list type.

Event Search and Backup



No.	Name	Description
1	Event Tab	Click to enter the Event Playback page.
2	Event List	The searched events will be listed on the Event List. You can display the Event List in Thumbnail, List or Details mode. Please refer to No.6 .
3	Search Panel	You can use this panel to search for the event recordings based on the selected attributes including date and time, record mode and channels.
4	Close Button	You can click the Close button to close the Playback window and return to the Live View window. You can also close the Playback window by right-clicking the mouse.



5	Function Bar	 <u>Descending order:</u> Click to display the events in descending order. <u>Select:</u> Check the box to select all the events on the list. Uncheck the box to deselect all the events on the list. <u>Copy:</u> Select the event(s) on the Event List and then click the Copy button to backup the selected event recordings to the USB storage device. <u>Play:</u> Click an event on the Event List and then click the Play button to play back the clicked event recording. <u>Selected:</u> The number of selected event(s) on the Event List will be displayed here. <u>Total Size:</u> The total size of selected event(s) on the Event List will be displayed here.
6	Browse Type	Click to display the Event List with Thumbnail, List or Details mode.
7	Event Info	Click an event on the Event List, the information of the clicked event will be displayed here.

1. <u>To search for events:</u>

- a. Click the Calendar button to select a date.
- b. Click the **Time** column to select a time range.
- c. Select the desired **Search Type**(s).
- d. Select a **Stream Type**. For this function to work, you will have to configure the record stream setting to Dual Streams (please refer to *4.2.2.1 Record*).
- e. Select the desired channel(s).
- f. Click the **Search** button **C**, the search results will be displayed on the Event List.
- g. You can click the left or right buttons to browse between pages, or input the page number you want to browse.

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h. You can switch the Event List display mode by clicking the Thumbnail, List or Details icons.

Thumbnail: Click display the events with thumbnail images.





List: Click display the events in list.

1 IP CH3 00:00:00	2 IP CH4 00:00:00	3 IP CH4 00:03:24	4 IP CH3 00:09:33	5 IP CH4:00:09:47
6 IP CH4 00:16:12	7 IP CH3 00:20:13	B IP CH4 00:22:36	9 IP CH4 00:29:00	10 IP CH3 00:30:53
11 IP CH4 00:35:25	12 IP CH3 00:41:33	13 IP CH4 00:41:49	14 IP CH4 00:48:14	15 IP CH3 00:52:13
16 IP CH4 00:54:38	17 IP CH4 01:01:03	18 IP CH3 01:02:53	19 IP CH4 01:07:27	20 IP CH3 01:13:34
21 IP CH4 01:13:51	22 IP CH4 01:20:16	23 IP CH3 01:24:14	24 IP CH4 01:26:40	25 IP CH4 01:33:05

Details: Click events in detailed list.

	Channel	Туре	Date	Start Time	End Time	Size	Playback	Lock
1	CH1	м	08/28/2018	09:57:07	09:57:19	9MB	•	Ъ
2	CH1	м	08/28/2018	09:55:54	09:57:07	55MB		Ъ
	CH1	M	08/28/2018	09:55:04	09:55:54	37MB	•	
	CH1	м	08/28/2018	09:53:41	09:54:11	22MB	•	
	CH1	м	08/28/2018	09:50:00	09:51:26	65MB	•	

<u>Playback:</u> Click the Playback icon can play back the event.

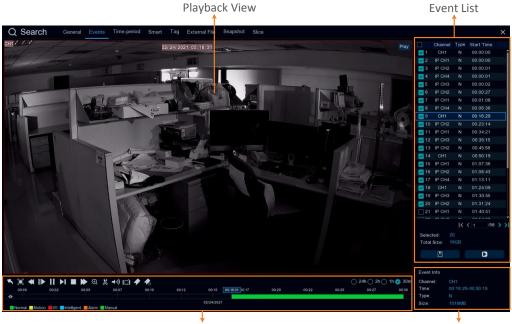
Lock: Click the icon to lock 🔒 or unlock 🔒 the event. The locked events will be stored in the hard disk and will not be overwritten.

- i. On the Event List, click on an event and its information will be displayed at the lowerright corner.
- To back up event recordings to the USB storage device: 2.
 - a. Ensure the USB storage device has been inserted to the DVR.
 - b. On the Event List, select the desired event(s) and then click the **Copy** button.
- 3. To play back an event recording, you can try either way:
 - On the Event List, double-click on an event, the Event Playback page appears •
 - On the Event List, click on an event and then click the Play button on the Function bar, • the Event Playback page appears
 - On the Event List (Detail list), click the **Playback** button of an event, the Event Playback • page appears

	Channel	Туре	Date	Start Time	End Time	Size	Playback
<u>v</u> 1	CH1	MN	03/08/2019	10:13:12	10:17:28	192MB	0



Event Playback page



Playback Control Panel

Event Info

(Event List) You can perform the below functions using the Event List.

Playback: There are two ways:

- Double-click on an event can start playing back the event recording.
- Click on an event and then click the **Playback** button **D** to start playing back.

<u>Copy:</u> Check the event boxes to select the events and then click the **Copy** button **Line** can back-up the event recordings to the USB storage device.

(Playback View) You can perform the below functions using the Playback View.

<u>Digital Zoom</u>: Scroll the Playback View to zoom in or zoom out the images. You can also use your mouse to drag the image to the desired positions to spot on a specific area.

<u>Digital Zoom (PIP)</u>: Click the **Zoom** button on the Playback Control Panel and then scroll mouse upward/downward to zoom in/out, a **Navigation Box** will be displayed on the **Preview Window**. For more details about the operation, please refer to *3.5.1 Digital Zoom* (*PIP*).

<u>Return to the Event Search Page:</u> Right-click on the Playback View can return to the Event Playback page. You can also click the **Return** button on the Playback Control Panel to return to the Event Playback page.

[Event Info] On the Event List, click on an event, the information of the clicked event will be displayed here.

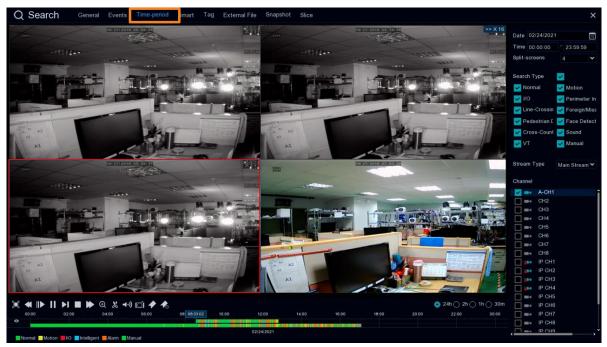
(Playback Control Panel) You can use this panel to operate the playback function. Please refer to *4.7.2 Playback Control Panel* for more details.

FEverFocus

4.7.3.3 Time-Period

Click the Time-Period tab to enter this page. Time-Period function allows you to divide a recording into several segments with equal time-length; and then play back the segments simultaneously.

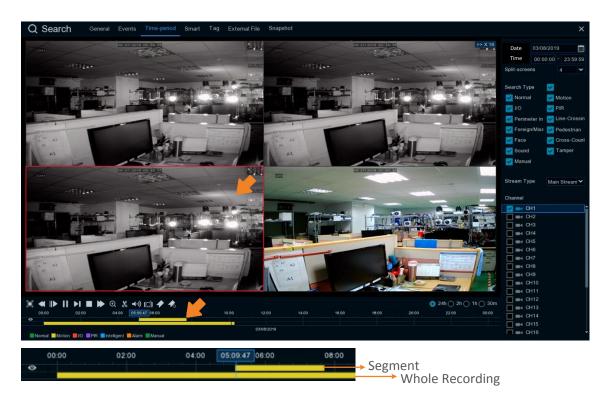
For example, for a 60-minute recording, if you select 4 split-screen, the recording will be divided into 4 segments with 15-minute in length each.



- 1. Click the **Sub-period** tab on the top to enter the Sub-Period Playback page.
- 2. Click the **Calendar** button to select a date.
- 3. Click the **Time** column to select a time range.
- 4. Select a split number from the Split-screens drop-down list.
- 5. Select a Search Type.
- 6. Select a **Stream Type**. For this function to work, you will have to configure the record stream setting to Dual Streams (please refer to *4.2.2.1 Record*).
- 7. Select a channel by checking the checkbox of the channel.
- 8. Click the **Play** button on the Playback Control Panel to start playing back. Please refer to *4.7.2 Playback Control Panel* for more details about Playback Control Panel.
- 9. You can also single-click on each segment on the playback layout to view the time range of the clicked (selected) segment. Please refer to the image below.

H.265 VANGUARD II Series

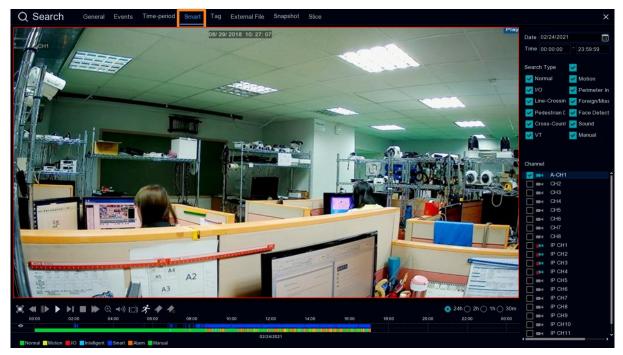






4.7.3.4 Smart

Smart Playback allows you to easily search and play back the motion events in one or more specific areas of a channel.



To perform the Smart Playback function:

- 1. Click the **Calendar** button to select a date.
- 2. Click the Time column to select a time range.
- 3. Select the Search Type.
- 4. Select a channel by checking the checkbox of the channel.
- 5. Click the **Play** button on the Playback Control Panel to start playing back.
- 6. By default, the whole area of the live image is defined as the smart area. To re-define the smart area(s), click the **Motion** button \checkmark on the Playback Control Panel to enter the Smart Area Define page. Please refer to **Defining Smart Areas** below.
- 7. Click the **Search** button on the Smart Area Define page to return to the Smart Playback page and then click the **Play** button to start playing back. You can see the searched Smart Motion Detection recordings displayed on the time bar in blue color (upper one).

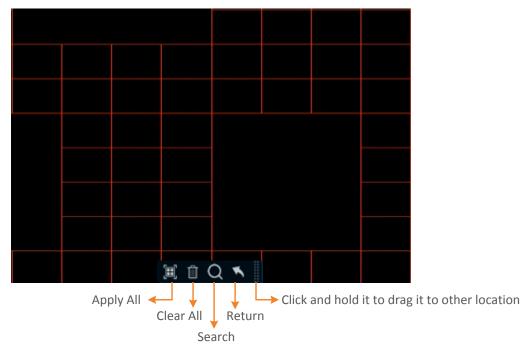


8. You can operate the smart playback function using the Playback Control Panel. Please refer to *4.7.2 Playback Control Panel* for more details.



Defining Smart Areas:

1. Follow **Step 1 ~ Step 6** above to enter the Smart Area Define page.



- 2. To define the smart area(s), click the mouse and drag it to draw an area. The area applied with the smart function will be shown with red grids. You can follow this method to draw several areas. To clear a certain area, use the same method to draw on the same area again, the smart area will be erased.
- 3. Click the **Search** button to start searching the motion events on the smart areas for playing back.



4.7.3.5 Tag

You can search for the tagged recordings and then play back the recordings.

Q Search	General Even	nts Time-period	Smart Tag Ex	temal File Snapshot				×
	Tag Name	Channel	Date	Time	Playback	Edit	Delete	Start Time
1	Tag	CH1	03/08/2019	00:00:07	۵			
	Tag		03/08/2019	00:00:12				
	Door1		03/08/2019	10:22:28				End Time
	Door5		03/08/2019		۵			03/11/2019 🔟 23:59:59
	Tag	CH1	03/11/2019	09:47:29	0			Keyword
								Channel
								🛃 🔜 CH1
								CH2
								🔲 🖬 CH3
								CH4
								CH5
								CH6
								CH7
								CH9
								CH10
								CH11
								CH12
								СН13
								CH14
								CH15
								CH16
							 < < 1	
								Q

After adding tags to the recordings, you can use the Tag playback window to search for the tagged recordings.

There are two ways to add a tag:

1. On the Live View window, click the **Add customized Tag** icon on the Live Channel Toolbar. Please refer to *3.5 Live Channel Toolbar* for more details.



2. On the Playback windows (General, Events, Time-period, Smart), click the **Add Default Tag** or the **Add customized Tag** icon on the Playback Control Panel. Please refer to 4.7.2 Playback Control Panel for more details.





To play back the tagged recordings:

- 1. On the Tag playback window, select a **Start Time** and **End Time**.
- 2. Optionally input a keyword of the tag if you want to find the tags with customized names.
- 3. Select the desired channel(s).
- 4. Click the **Search** button Q, the searched tags will be displayed on the list.
- 5. To play back the tagged recordings, you can either double-click on the tag recording or select a tag recording and then click the **Play** button on the lower-left corner. The below playback window appears.

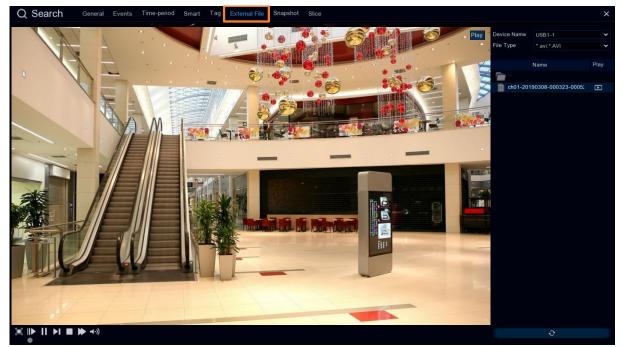


- By default, the DVR will play back the tagged recordings for 1 minute starts from 30 seconds ago of the tagged time. You can optionally adjust the playback time by selecting the Pre-play or Post-play options and then click the Playback button.
- b. You can edit the tag names by clicking the **Edit** icon, or delete the tags by clicking the **Delete** icon.
- c. You can now operate the tag playback function using the Playback Control Panel. Please refer to *4.7.2 Playback Control Panel* for more details.
- d. To return to the Tag playback window, click the **Close** button or right-clicking the mouse.



4.7.3.6 External File

You can play back the recordings (.avi) stored in the USB storage device using the External File Playback window.



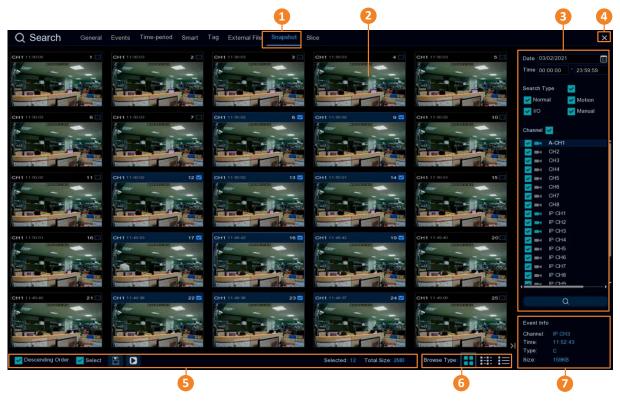
To play back the recordings (.avi) stored in the USB storage device:

- 1. Ensure the USB storage device has been inserted to the DVR.
- 2. Select the USB device from the **Device Name** drop-down box.
- 3. Double-clicking the recordings on the right-side panel, the recording will be played back.



4.7.3.7 Snapshot

You can use this page to search and play back the snapshot images and backup the images to a USB storage device.



No.	Name	Description
1	Snapshot	Click to enter the Snapshot Playback window.
2	Snapshot List	The searched snapshot images will be listed on the Snapshot List. You can display the Snapshot List in Thumbnail, List or Details mode. Please refer to No.6 .
3	Search Panel	You can use this panel to search for the snapshot images based on the selected attributes including date and time, record mode, and channels.
4	Close Button	You can click the Close button to close the Snapshot Playback window and return to the Live View window. You can also close the Snapshot Playback window by right-clicking the mouse.



5	Function Bar	 <u>Descending order:</u> Click to display the snapshots in descending order. <u>Select:</u> Check the box to select all the snapshots on the list. Uncheck the box to deselect all the snapshots on the list. <u>Copy:</u> Select the snapshot(s) on the list and then click the Copy button to backup the selected snapshot images to the USB storage device. <u>Play:</u> Click a snapshot on the list and then click the Play button to play back the snapshot images starting from the clicked one. <u>Selected:</u> The number of selected snapshot(s) on the list will be displayed here. <u>Total Size:</u> The total size of selected snapshot(s) on the list will be displayed here.
6	Browse Type	Click to display the snapshot list with Thumbnail, List or Details mode.
7	Event Info	Click an image on the Snapshot List, the information of the clicked snapshot image will be displayed here.

- 1. <u>To search for snapshot images:</u>
 - a. Click the **Calendar** button to select a date.
 - b. Click the **Time** column to select a time range.
 - c. Select the desired **Search Type**(s) and channel(s).
 - d. Click the **Search** button , the search results will be displayed on the Snapshot List.
 - e. You can click the left or right buttons to browse between pages, or input the page number you want to browse.

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f. You can switch the Snapshot List display mode by clicking the Thumbnail, List or Details button.

Thumbnail: Click display the events with thumbnail images.



List: Click display the snapshots in list.

🔲 1 CH1 11	:50:05	2 C	H1 11:50:03	3	CH1	11:50:03	4	CH1	11:50:03
🗌 6 CH1 11			H1 11:50:03	8	CH1		9	CH1	11:50:02
🗌 11 CH1 11	:50:02	🛛 12 G	H1 11:50:02	¥ 13	CH1		M 14	CH1	11:50:01
🗌 16 CH1 11	:50:01	🛛 17 C	H1 11:49:53	🔽 18	CH1	11:49:42	M 19	CH1	11:49:42
21 CH1 11	:49:40	2 2 C	H1 11:49:38	23	CH1		2 4	CH1	11:49:37
26 CH1 11		27 C	H1 11:49:09	28	CH1		29	CH1	11:49:08
🔲 31 CH1 11		32 C	H1 11:49:06	33	CH1		34	IP CH2	11:48:52
36 IP CH2 11		37 IP (CH2 11:48:48	38	IP CH2		39	IP CH2	11:48:45

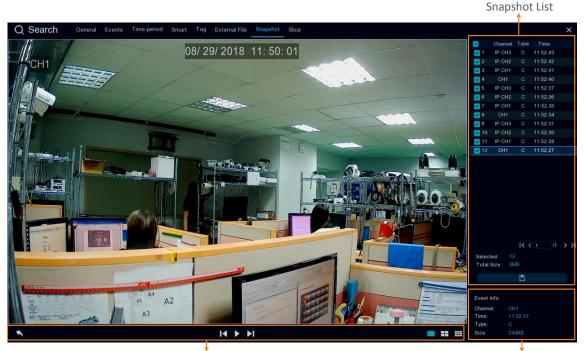


Details: Click eigenvalue display the snapshots in detailed list.

Channel	Туре	Date	Time	Size	Playback
CH1	Manual	08/29/2018	11:50:05	245KB	
CH1	Manual	08/29/2018	11:50:03	245KB	•
CH1	Manual	08/29/2018	11:50:03	245KB	•
CH1	Manual	08/29/2018	11:50:03	245KB	
CH1	Manual	08/29/2018	11:50:03	245KB	•

<u>Playback:</u> Click the **Playback** icon in the Playback column can display the snapshot image. You can then click the 😐 🕫 buttons to display the next or previous snapshot image.

- g. On the Snapshot List, click on a snapshot image and its information will be displayed at the lower-left corner.
- 2. To back up snapshot images to the USB storage device:
 - a. Ensure the USB storage device has been inserted to the DVR.
 - b. On the Snapshot List, select the desired snapshot(s) and then click the Backup button.
- 3. To play back a snapshot images continuously:
 - a. On the Snapshot List, click on a snapshot and then click the Play button on the Function bar, the Image Playback page appears.
 - b. The system will automatically play back the snapshot images starting from the clicked one to the last one.



Snapshot Playback page

Playback Control Panel

Event Info



(Snapshot List) You can perform the below functions using the Event List.

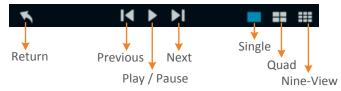
<u>Image Display:</u> Click a snapshot image on the list can display the image on the viewing window.

<u>Continuous Playback</u>: Click a snapshot image on the list and then click the **Play** button on the Playback Control Panel, the snapshot images will be automatically playing back continuously starting from the clicked one to the last one.

<u>Copy:</u> On the Snapshot List, check the snapshot boxes to select the snapshots and then click the **Copy** button and back-up the snapshot images to the USB storage device.

Event Info On the Snapshot List, click on a snapshot, the information of the clicked snapshot image will be displayed here.

(Playback Control Panel) You can use this panel to operate the playback function.



<u>Return:</u> Click to return to the Picture search page.

<u>Previous:</u> Click to display the previous image.

<u>Play / Pause</u>: Click to start playing back or pause playing back the continuous snapshot playback.

Next: Click to display the next image.

<u>Single:</u> Click to display the snapshot images in single view.

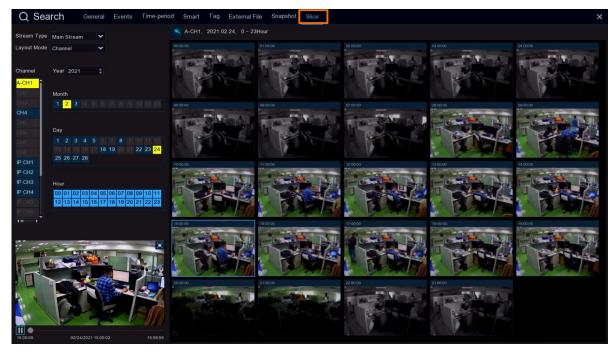
<u>Quad:</u> Click to display the snapshot images in quad view (displaying 4 images at a time).

Nine-View: Click to display the snapshot images in nine-view (displaying 9 images at a time).



4.7.3.8 Slice

Slice Playback allows you to easily and quickly search for recordings within a specific date and time of a single channel and then play back.



- 1. Select a **Stream Type**. For this function to work, you will have to configure the record stream setting to Dual Streams (please refer to *4.2.2.1 Record*).
- 2. Select a layout type, **Time** or **Channel** from the drop-down list.
- 3. Select a channel by clicking on it.
- 4. Select a specific date and time by clicking on the Year/Month/Day/Hour field.
- 5. The searched video clips will be displayed on the right side.
- 6. To start playing back, click on a video clip.



4.8 Express

4.8.1 Quick Playback

You can configure the start playback time for the Quick Playback function. Select a time from the drop-down box to set up playing back from how many time ago.

After the configuration, you can activate the function by clicking the **Quick Playback** icon on the **Live Channel Tool Bar** on each channel (please refer to *3.4 Live Channel Tool Bar*).

Channel	Record	(i _{Alarm})	Network	Device	Express
Playback		Quick Playback 5 Se	rc. 🗸	second(s)ago.		
HD Stream Switch		Playback	Play			
E Preview Policy						
						f

4.8.2 Stream Switch

This function is only available for IP cameras. You can set up a stream mode for all IP channels on the live view window. Select **Main Stream** or **Sub Stream** and then click the **Apply** button. To adjust the Main Stream or Sub Stream configurations, please refer to *4.2.1 Stream*.

			j Alarm	Network	Device	Express
E	Playback	Stream Switch	Sub Stream 🗸	Apply		
Ŀ	Stream Switch Preview Policy					

4.8.3 Preview Policy

You can set up a displaying quality for all channels on the live view window. Select among Realtime, Balanced or Smooth view. The view modes affect only the live view video quality by bit rate and frame rate but do not affect the recording quality.

		ecord	Alarm	Network	Device	Express
	Playback	Preview Policy	Smooth 🗸	Apply		
HD SD	Stream Switch					
	Preview Policy					

FEverFocus

4.9 System

You can configure most of the system settings on the Main Menu.

4.9.1 General

4.9.1.1 General

You can configure the general system settings on this page.

Channel	Record	((j) Alarm	Network	Devic	Express	۲ System		E xit
General	^	Device Name	4K-HY08						
 Date and Time 		Device ID Language Video Format	000000 English	~					
- Video Output		Menu Timeout	NTSC Off 5	~					
★ Maintenance IPCam Maintain	× ×	Mode V Start Wizard	HVR	~					
System Info	*								
								Default	Apply

Device Name: Input a desired name for your DVR. The name can include both letters and numbers.

Device ID: Enter the desired ID for your DVR. The device ID is used to identify the DVR, and can only be composed of numbers. For example, 2pcs DVRs are installed in the same place, the Device ID is 000000 for one of the DVRs, and 111111 for another DVR. When you want to operate the DVR with a remote controller, both of the DVR may receive the signal from controller & act at the same time. If you want to control only the DVR with ID 111111, you can input the Device ID 111111 in login page with remote controller for further operations.

Language: Select a language.

Video Format: Select NTSC or PAL for the system.

Menu Timeout: Select a timeout time for the OSD menu to automatically exit. Select **Off** for the OSD menu to display continuously.

Mode: Select **DVR** if you only want to connect FHD cameras to the DVR; or select **HVR** if you want to connect both of the FHD cameras and IP cameras to the DVR.

Show Wizard: Check the box to enable starting the Startup Wizard every time when system starts.

Default: Click to apply the default setting.

Apply: Click to save the settings.



4.9.1.2 Date and Time

Channel	Record		j	. @	twork		Device		Express	کرکج System		Exit
දරු General	^	Date and Time										
- General		Date	03/07/2019									
 Date and Time 		Time	09:52:32									
- Video Output		Date Format	MM/DD/YY		~							
👤 User Account		Time Format	24Hour		~							
🗙 Maintenance	~	Time Zone	GMT+08:00		~							
o∎< IPCam Maintain	•	NTP Settings										
			✓									î
System Info	~	Server Address	pool.ntp.org		~							
			Update Now									
		DST Settings										
		Enable DST	~									
		Time Offset	1Hour	¥								
		Daylight Saving Tin	me Week	~								
		Start Time	Mar.	~	The 2nd	~	Sun.	~	02:00:00			
		End Time	Nov.	¥	The 1st	~	Sun.	~	02:00:00			
											Default	Apply

[Date and Time]

Date: Set up the date for the system.
Time: Set up the time for the system.
Date Format: Select a format for the date.
Time Format: Select a format for the time.
Time Zone: Select a time zone relevant to your region.

[NTP Settings]

The NTP (Network Time Protocol) function allows your DVR to automatically sync its clock with a time server. This gives it the ability to constantly have an accurate time setting (your DVR will periodically sync automatically).

Enable NTP: Check the box to enable the NTP function. When NTP function is enabled, the system will calibrate the system time at 00:07:50 daily and every time when the system is started up.

Server Address: Select a NTP server.

Update Now: Click to calibrate the system time.

[DST Setting]

The DST (Daylight Saving Time) function allows you to select the amount of time that Daylight Saving has increased by in your particular time zone or region.



Enable DST: Check the box to enable the DST function.

Time Offset: Select the amount of time that Daylight Saving has increased by in your time zone. This refers to the difference in minutes, between Coordinated Universal Time (UTC) and the local time.

Daylight Saving Time: Select Week or Date to configure the start/end time below.

- <u>Week:</u> Select a month, a particular day and time when Daylight Saving starts and ends. For example, 2am on the first Sunday of a particular month.
- <u>Date:</u> Select the start date (click the calendar icon), end date and time when Daylight Saving starts and ends.

Start Time: Select a start time for the DST to start.

End Time: Select an end time for the DST to stop.

Default: Click to apply the default setting. **Apply:** Click to save the settings.



4.9.1.3 Video Output

You can configure the Main monitor and Call monitor settings on this page.

Channel	Record	(i) Alarm	Network	Device	Express	کرک System	Exit
 General General Date and Time 	^		Live Output				
Video Cutput User Account Maintenance IPCam Maintain System Info	* * *	Scale and Offset	1920x1080				
							Default Apply

Main Monitor Setting

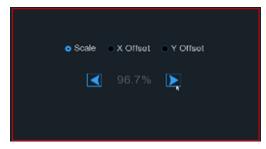
Video Output: Select Live Output (Main Monitor) and then configure the below settings.

Sequence Layout: Select a layout for the sequence mode. For example, if you select Layout4, the DVR will display a quad view layout for all channels in sequence order. To start the sequence mode, go to OSD menu > Layout and then click the **Auto Sequence** button. Click the button again to stop sequence mode.

Sequence Interval Time: Input a sequence interval time in second. By default, 5 seconds is set up.

Output Resolution: Select a live resolution to be displayed on the output monitor. 1920 x 1080 will suit most TVs. If your DVR supports 4K output resolution, you can select either 2K (2560 x 1440) or 4K (3840 x 2160) to take advantage of the higher resolution that your 4K TV provides.

Scale and Offset: The DVR supports to adjust the size and position of the display screen to match your monitor or TV. Click the **Setup** button to adjust.



<u>Scale</u>: To adjust the size of the displayed screen by scale.

<u>X Offset:</u> To move the displayed screen to the left or right.

<u>Y Offset:</u> To move the displayed screen to the top or bottom.

Click once or long press the left button of your mouse on the arrow to adjust the size and position, or you can scroll the wheel of the mouse to adjust. Click the right button of your mouse to exit, and click **Apply** to save your modifications.

Cursor Hidden Delay: Click the drop-down menu to select the time your DVR will hide the mouse cursor when idle. You can also disable this function by selecting **Off** (password protection will be temporarily disabled).

Cursor Acceleration: To adjust the speed to move the mouse cursor.



Transparency: Slide the bar to the left or right to adjust the transparency for the OSD Setup menu.

Default: Click to apply the default setting.

Apply: Click to save the settings.

Call Monitor Setting

Channel	Record	Alarm	Network		Device	Express	System		Exit
දිරා General	^	Video Output	Call Monitor Output	~					
- General		CVBS Call Monitor	V						
 Date and Time 		Sequence Mode	Enable	*					
- Video Output		Sequence Layout	Layout1	¥					
User Account		Sequence Interval Time							
		Full Screen							
💥 Maintenance	~		Sequence Settings						
o∎< IPCam Maintain	*								
System Info	~								
							ſ)
								Default	Apply

Video Output: Select Call Monitor Output and then configure the below settings.

CVBS Call Monitor: Check the box to enable the Call Monitor function.

Sequence Mode: Select **Enable** to enable sequence mode or **Disable** to disable sequence mode.

Sequence Layout: This function only appears when **Enable** is selected from the **Sequence Mode** field. Select a layout for the sequence mode. For example, if you select Layout4, the DVR will display a quad view layout for all channels in sequence order. To start the sequence mode, go to OSD menu > Layout and then click the **Auto Sequence** button. Click the button again to stop sequence mode.

Sequence Interval Time: This function only appears when **Enable** is selected from the **Sequence Mode** field. Select a sequence dwell time in second. By default, 5 seconds is set up. Click **Sequence Settings** to enable the sequence mode for the selected channels.

Layout Mode: This function only appears when **Disable** is selected from the **Sequence Mode** field. You can configure the layout mode for the Call Monitor. Select a layout from the dropdown list and then click **Layout Settings** to assign channels to the layout.

Full Screen: Check the box to enable Full Screen of the triggered channel.

Default: Click to apply the default setting. **Apply:** Click to save the settings.



4.9.2 User Account

You can configure the user settings on this page. Up to 7 user accounts (1 administrator and 6 users) can be configured.

Channel		cord	(j) Alarm		letwork.	Device		Express	ک System		Exit
General	*	No.	User Name	Level	User Enable	Password Enable	User Edit	Permission			
User Account			admin	Admin	Enable	Disable					
🗙 Maintenance	*		user1	User1	Disable	Disable					
o∎< IPCam Maintain	*		user2	User2	Disable	Disable					
System Info	~		user3	User3	Disable	Disable					
			user4	User4	Disable	Disable					
			user5	User5	Disable	Disable					
			user6	User6	Disable	Disable					
		Default User ac	imin 🗸								
										Default	Apply

Default User: Select an user account as the default account.

User Edit: Click to bring-up the User Edit window. You can edit the user name/password in this window. Input the user name with alphabetic or numeric characters; and the passwords have to be numeric (0-9) and at least 5 characters. Select **Enable** from the **User Enable** drop-down list to enable the user account. Select **Enable** from the **Password Enable** drop-down list to enable the password (if Disable is selected, the user can login without password). Click **Save** to save the settings.

A	dmin Account		L	Jser Account				
	User Edit	×		User Edit				×
Level	Admin		Level	User1				
User Name	admin		User Enable	Enable	*			
Password Strength			User Name	user1				
Password	•••••		Password Strength					
Confirm	•••••		Password	*****				
Enable Unlock Pattern	Disable 🗸		Confirm	•••••				
	Default	Save Cancel			Default	Save	Cancel	

• Enable Unlock Pattern: Enable or disable the Unlock Pattern function.

Permission: Click to display the User Permission window. The Administrator account has full privileges so the functions cannot be configured. In the User Permission window, check the boxes to grant functions for the selected user account. You can also set up the Copy/Live/Playback/PTZ functions to specific channels. After the configuration, click **Save** to save the settings.

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								Us	ser	Pe	mis	ssic	n									×	
User Name			us	er1																			j
🔽 Log Search			>	Se	ettin	gs					<	Auto	Rebo	ot			✓ M	anua	I Re	cord			
🛃 Disk			>	Re	emo	te L	ogin				*	Seq	uence	Contr	ol		✓ M	anua	al Sr	apsh	ot		
Audio																							
Сору																							
Analog Channels	1	2	3	A	5	6	7	8															
Villa Channels	1	2	3	4	5	6	7	8	9	10	11	12											
Live																							
Analog Channels	1	2	3	4	5	6	7	8															j
IP Channels	1	2	3	4	5	6	7	8	9	10	11	12											
Playback																							
Nalog Channels	1	2	3	4	5	6	7	8															
V Channels	1	2	3	4	5	6	7	8	9	10	11	12											j
PTZ																							
Analog Channels	1	2	3	4	5	6	7	8															j
IP Channels	1	2	3	4	5	6	7	8	9	10	11	12											l
																							j
																							j
									All	j.			Clear			Sav	e			Cance	el 👘		

- Log Search: Allow users to check all the system logs.
- Settings: Allow users to set all the parameter settings.
- Auto Reboot: Allow users to auto reboot the device.
- Manual Record: Allows users to manually start/stop recording.
- **Disk:** Allow users to manage and control the HDD and USB storage device.
- **Remote Login:** Allow users to login the system remotely.
- Sequence Control: Allow users to use the sequence function.
- Manual Snapshot: Allow users to use the manual snapshot function.
- Audio: Allow users to use the audio function.
- Copy: Check the Copy box to enable the function; and then select the desired channels to backup. This user account will be granted with the Backup function for the selected channels.
- Live: Check the Live box to enable the function; and then select the desired channels for live view display. This user account will be granted with the live view display function for the selected channels.
- Playback: Check the Playback box to enable the function; and then select the desired channels for playback. This user account will be granted with the playback function for the selected channels.
- PTZ: Check the PTZ box to enable the function; and then select the desired channels for PTZ function. This user account will be granted with the PTZ control function for the selected channels.



4.9.3 Maintenance

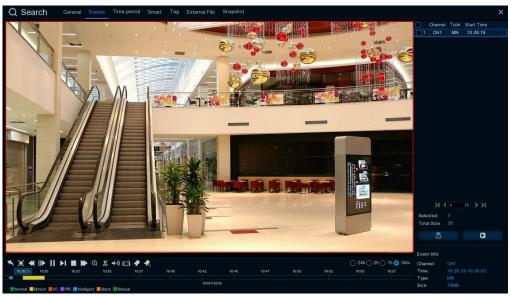
On this page, you can search and view the system log, load default settings, upgrade the system, export and import system parameters and manager system auto reboot.

4.9.3.1 Log

You can search for logs on this page. Select the start time, end time, log type and then click the **Search** button, the searched logs will be displayed on the list below. Double-click on a log from the list can bring up the Log Details window.

Ō		í			\$\$ \$	રંડે	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
දිරී General	Start Date 02/23/2		Start Time	00:00:00			
Q User Account	End Date 02/23/2	2021	End Time	23:59:59			
🗙 Maintenance	Log Type All		~		Search		
- Log	Channel	Туре	Time	Description	Record	Playback	
- Load Default	CH1	Alarm	02/23/2021 06:50:20	Motion Start			î
	IP CH1	Alarm	02/23/2021 06:50:21	Motion Start	Yes		
- Upgrade		Alarm	02/23/2021 06:50:48	Motion End			
- System Parameter		Alarm	02/23/2021 06:50:54	Motion End			
- Auto Reboot		Alarm		Perimeter Intrusion Start			
o∎< IPCam Maintain	V IP CH1	Alarm		Motion Start			
System Info	CH1	Alarm		Perimeter Intrusion End			
		Alarm		Motion End			
		Alarm		Motion Start			
	IP CH1	Alarm		Motion End			
	IP CH1	Alarm	02/23/2021 06:54:46	Motion Start			
		Alarm		Motion End			
	IP CH1	Alarm		Motion Start			
	IP CH1	Alarm	02/23/2021 06:58:07	Motion End			
							< < 1 /31 > >
							Сору

You can click the **Playback** icon **I** in the Playback column to play back the event recording. About the playback control bar, please refer to *4.7.2 Playback Control Panel*. To exit the playback mode, right click the mouse.







Copy: Click to save all the searched logs to the USB storage device.

Click the **Copy** button, the Copy window appears. You can also create a directory for the video clip(s) by clicking the **Directory** button and the upper-right corner. Click the **OK** button, the copy process begins. After the copy process is complete, click the **Cancel** button to return to the **Log** page.

	Сору			×
Driver List C			1≣ ~	 + ₩, □
🔣 USB1-1	Name		Last M	Modify
	ch01-20180827-105158-105210-1010(9.759MB	08/27/201	8 03:28:33
	Location: /hidev/usb1-1			
Remain:/Total: 115.625MB/1.905GB	Selected Directory: hidev/usb1-1			4 >
	1/1 100%			Cancel



4.9.3.2 Load Default

Select the desired items to be restored to factory default and then click **Apply**. Restoring default settings will not delete recordings and snapshots saved to the hard drive.

	Channel		cord	(j) Alarm	Network	Device	Express	۲۵۶۶ System	Exit
ŝ	General	•	V Select All						
<u>•</u>	User Account		Channel						
℀	Maintenance	^	Record						
	Log		🖌 Alarm						
	- Load Default		Vetwork						
	Upgrade		<mark> Device</mark> Device						
	 System Parameter 								
	- Auto Reboot								
0 14	IPCam Maintain	*							
	System Info	~							
									Apply

4.9.3.3 Upgrade

You can upgrade system firmware using this page.

Channel	Record	(i) Alarm	Network	Device	Express	۲۵۶ System	Exit
🔅 General	*						
Luser Account		Select File			< ▶		
🗙 Maintenance	^						
- Log							
- Load Default							
- Upgrade							
- System Parameter							
- Auto Reboot							
o∎< IPCam Maintain	~						
System Info	~						

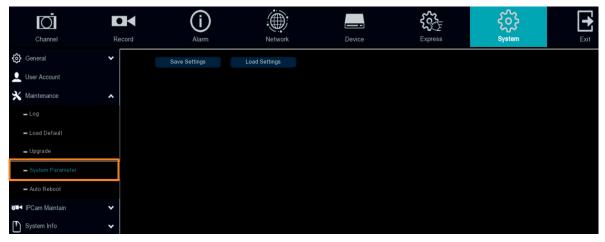
- 1. Restore the firmware file (.sw) in a USB storage device and insert the USB storage device to the DVR.
- 2. Click the **Select File** button to select the firmware file from the USB storage device.
- 3. Click the **Upgrade** button to start system upgrade.

Note: Do not take out the USB storage device or turn off the power during system upgrading. When the upgrade is done, the system will restart automatically.



4.9.3.4 System Parameter

You can export the system parameters you have configured to a USB storage device, or import a system parameters file from USB storage device to the DVR.



Save Settings: Click to save the DVR current system settings to the USB device. You will be required to input the Admin password to authenticate.

Load Settings: Once you have exported system parameters file, you can import the file on another DVR. Stored the file to your USB storage device and then insert the USB storage device to the DVR, click **Load Settings** to navigate the file. You will be required to input the Admin password to authenticate.

4.9.3.5 Auto Reboot

This menu allows the system to auto reboot the DVR regularly. It is recommended to leave this function enabled, as it maintains the operational integrity of your DVR.

Channel	Recor		(i) Alarm	Network	Device	Express	ک System		E xit
දිරි General	*	Auto Reboot	×						
Q User Account		Time	By Week	~					
🗙 Maintenance	^		Sun.	~					
- Log			00:00						
 Load Default 									
 Upgrade 									
 System Parameter 									
- Auto Reboot									
o∎< IPCam Maintain	*								
System Info	•								
								Default	Apply

Check the **Auto Reboot** box to enable the function and then set up the reboot time for the system to regularly reboot at the setup time. Click the **Apply** button to save the settings.



4.9.4 IPCam Maintain

This menu allows you to upgrade the IP camera's firmware and restore default settings of IP camera.

4.9.4.1 Upgrade

This menu allows you to upgrade the IP camera's firmware.

		(j)				င်သို	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
र्ट्रे General	*	Channel	IP Address	State	Software Version	Upgrade	
QUser Account		V IP CH1	172.20.0.32	Online	V1.0.1_20200611		
🗙 Maintenance	✓	P CH2	172.20.0.53	Online	V1.0.1_20190924		
o∎ IPCam Maintain		V IP CH3	172.20.0.60	Online	V1.0.1_20200428		
		V IP CH4	172.20.0.106	Online	V1.0.1_20190924		
- Upgrade							
- Load Default							
- Reboot IPC							
- System Parameter	<						
System Info	✔ Sele	ect File			<.	IPCam Upgrade	

- 1. Select the desired IP cameras you want to upgrade firmware by checking the checkbox.
- 2. Click the **Select File** button to select the update file from your USB storage device.
- 3. Click the **IPCam Upgrade** button to start upgrading the selected IP camera. You will be required to input the system Admin password to authenticate.

		(i)			XXX	ર્જુ	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
دُنْ General	*	Channel	IP Address	State	Software Version		
Q User Account		P CH1	172.20.0.32	Online	V1.0.1_20200611		
🗙 Maintenance	~	P CH2	172.20.0.53	Online	V1.0.1_20190924		
		P CH3	172.20.0.60	Online	V1.0.1_20200428		
IPCam Maintain	^	V IP CH4	172.20.0.106	Online	V1.0.1_20190924		
🗕 Upgrade							
- Load Default							
- Reboot IPC							
- System Parameter							
System Info	✔ Loa	d Default					

4.9.4.2 Load Default

- 1. Select one of the IP cameras you want to load factory default by checking the checkbox.
- 2. Click the **Load Default** button to start loading default. You will be required to input the Admin password to authenticate.



4.9.4.3 Reboot IPC

On this page, you can reboot the IP cameras.

Ō		í			£c¢}	ર્જુટ	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
General	•	Channel	IP Address	State	Software Version		
L User Account		P CH1	172.20.0.32	Online	V1.0.1_20200611		
🗙 Maintenance	•	P CH2	172.20.0.53	Online	V1.0.1_20190924		
o∎ IPCam Maintain		IP CH3	172.20.0.60	Online	V1.0.1_20200428		
		V IP CH4	172.20.0.106	Online	V1.0.1_20190924		
🗕 Upgrade							
- Load Default							
- Reboot IPC							
- System Parameter							
System Info	▼ Rebo	pot IPC					

- 1. Select one of the IP cameras you want to reboot by checking the checkbox.
- 2. Click the **Reboot IPC** button to start rebooting. You will be required to input the Admin password to authenticate.

4.9.4.4 System Parameter

You can export the IP camera parameters to a USB storage device, or import the IP camera parameter file from USB storage device to the IP camera.

Ō		(j)			₹ ₹ €	ર્જે	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
🔅 General	~	Channel	IP Address	State	Software Version		
L User Account		IP CH1	172.20.0.32	Online	V1.0.1_20200611		
🗙 Maintenance	*	V IP CH2	172.20.0.53	Online	V1.0.1_20190924		
o∎< IPCam Maintain		V IP CH3	172.20.0.60	Online	V1.0.1_20200428		
	^	V IP CH4	172.20.0.106	Online	V1.0.1_20190924		
- Upgrade							
- Load Default							
- Reboot IPC							
 System Parameter 							
System Info	✓ Save	Settings Load Settings	\$				

Save Settings: Click to save the current IP camera system settings to the USB device. You will be required to input the DVR's Admin password to authenticate.

Load Settings: Once you have exported IP camera system parameters file, you can import the file on another IP camera. Stored the file to your USB storage device and then insert the USB storage device to the DVR, click **Load Settings** to navigate the file. You will be required to input the DVR's Admin password to authenticate.



4.9.5 System Info

This menu allows you to view the system information, channel information, record information and network status.

4.9.5.1 System Info

View system information such as device ID, device model name, IP address, MAC address, firmware version and more.

Ō		(j)			Set	ર્જુ	+
Channel	Record	Alarm	Network	Device	Express	System	Exit
දිදු General	*	Device ID	000000				
Q User Account		Device Name	VANGUARD II 8x4H				
🗙 Maintenance	*	Device Type	HY-DVR	E 17522			
o∎< IPCam Maintain	•	Hardware Version	DM-445		病		
System Info	^	Software Version	V8.1.0-20210121		×.		
		IE Client Version	V1.0.0.89	日本の			
 System Info 		Video Format		E1,4000	MLK.		
- Channel Info		HDD Volume	18630G				
- Record Info		IP Address	172.20.0.28				
- Network Info		IPv6 Address	/ 64				
		Web Port	80,80				
		Client Port	8000,8000				
		MAC Address	58-E8-76-05				
		Network Info	Connection successful				
		P2P ID	8B1ZK168GTYA				
		Serial Number					

If **P2P** function is enabled, a QR code will be displayed on the Info page. You can scan the QR code with **EverFocus eFVMS App** installed on your mobile device to add and remotely access the DVR. To enable the P2P function, please refer to *4.4.1.4 Port Configuration*.

4.9.5.1.1 Performing the P2P Function

The **P2P** function allows users to add DVRs to EverFocus' **eFVMS App** through QR code.

1. Install **EverFocus eFVMS App**. For Android users, go to Google Play Store. For iOS users, go to Apple Store. After the installation process is complete, start the eFVMS App.





2. To add a DVR through P2P, tap **Menu** > **Device List**, and then tap the "+" button on the upper-right corner.

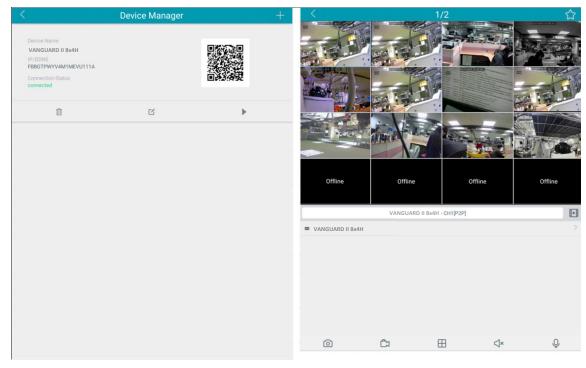
	1/2	奈;99% ■ 16:56 🔺 🗖 🗑 ☆ <	Device Manager	?? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
EverFocus				
8 Remote Setting				
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File List				
E Device List				
Notifications				
🖓 Help				
(i) About				
	/ANGUARD16x8 - Channel01[P2P]	(b)		

3. Scan the DVR's **QR code** on the System Info page of the DVR OSD menu. Input the DVR ID, password and Media Port 9000. Tap the **Save** button.

<	Add New Device	< Edit Information
		IP Address/ID
nfo	Network Info 🗙	51TYH8YTLCFZB3WK
		Media Port
	F	9000
		User Name
		admin
		Password
		•••••
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4. The DVR is now added and connected to the App. You can start accessing the DVR.



4.9.5.2 Channel Info

You can see the channel info on this	page.
--------------------------------------	-------

Channel	• Reco		(i) Alarm		Network		XX Express	System	Exit
General	•	Channel	Alias	State	Main Stream	Sub Stream	Motion Detection	Privacy Mask	
L User Account		CH1	CH1	Enable	3840x2160, 7Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
💥 Maintenance	*	CH2	CH2	Enable	1920x1080, 30Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
IPCam Maintain	~		CH3	Enable	1920x1080, 30Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
System Info	~		CH4	Enable	1920x1080, 25Fps, 4Mbps	352x 240, 25Fps, 512Kbps	Support	Support	
		CH5	CH5	Enable	1920x1080, 30Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
- System Info		CH6	CH6	Enable	2560x1944, 12Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
- Channel Info			CH7	Enable	1920x1080, 30Fps, 4Mbps	352x 240, 30Fps, 512Kbps	Support	Support	
- Record Info		CH8	CH8	Disable					
- Network Info		IP CH1	IP CH1	Online	2160x2160, 15Fps, 4Mbps	720x 720, 15Fps, 1024Kbps	Support	Support	
		IP CH2	IP CH2	Online	3840x2160, 15Fps, 6Mbps	640x 480, 15Fps, 2Mbps	Support	Support	
		IP CH3	IP CH3	Online	1920x1080, 30Fps, 4Mbps	1280x 720, 30Fps, 1024Kbps	Support	Support	
		IP CH4	IP CH4	Online	1920x1080, 15Fps, 2Mbps	640x 480, 15Fps, 768Kbps	Support	Support	



4.9.5.3 Record Info

You can see the record info on this page.

Ō	•	K	í					₹¢¢¢	ŝ	•
Channel	Rec	ord	Alarm		Network	Device		Express	System	Exit
දිරිූ General	•	Channel	Record State	Enable Channel	Stream Type	Resolution	FPS	Bitrate		
L User Account				Enable	Dual Streams	3840x2160 352x240	7Fps 30Fps	4Mbps 512Kbps		
🗙 Maintenance	•			Enable						
o∎< IPCam Maintain	•			Enable						
System Info	•			Enable						
)		CH5		Enable						
- System Info		CH6		Enable						
- Channel Info				Enable						
- Record Info		IP CH1		Enable	Dual Streams	2160x2160 720x720	15Fps 15Fps	4Mbps 1024Kbps		
- Network Info		IP CH2		Enable	Dual Streams	3840x2160 640x480	15Fps 15Fps	6Mbps 2Mbps		
		IP CH3		Enable	Dual Streams	1920x1080 1280x720	30Fps 30Fps	4Mbps 1024Kbps		
		IP CH4	On	Enable	Dual Streams	1920x1080 640x480	15Fps 15Fps	2Mbps 768Kbps		

4.9.5.4 Network Info

You can see the network state on this page.

Ō		í				န်နှ	•
Channel	Record	Alarm	Network	Device	Express	System	Exit
🔅 General	*	Attribute	Value				
Q User Account	WAN						î
3/ 11/1/		IP Address	172.20.0.28				
🗙 Maintenance	*	Subnet Mask	255.255.248.0				
Television Television (2014)	*	Gateway	172.20.7.254				
Custom lafe		MAC Address	58-E8-76-05-				
System Info	^	IPv6 Address	fe80::5ae8:76ff:fe05:51	d9 / 64			
- System Info		IPv6 Gateway	fe80::/64				
Ob a second da fa		DHCP	Enable				
- Channel Info	DNS1		192.168.10.188				
- Record Info	DNS2		8.8.8				
	PPPoE		Disable				
- Network Info	Port						
		Web Port	80,80,Inactive,Disa				
		Client Port	8000,8000,Inactive,Di				
		RTSP Port	554,554,Inactive,Dis				
		HTTPS	443,443,Inactive,Dis	able			
		andwidth:	30Mbps				
	Used B	andwidth:	22.75Mbps				

Total Bandwidth: It shows the DVR's total input bandwidth for IP cameras.

Used Bandwidth: It shows the used bandwidth of IP cameras.



4.10 Exit

You can Shutdown, Reboot or Logout the system using this page.

Channel	Record	(i) Alarm	Network	Device	Express	System	Exit
Exit		Shutdown	Reboot	Logout			



Chapter



5. Remote Access to the DVR

5.1 Accessing the DVR on the Network

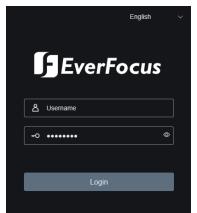
Follow the steps below to access the DVR through a Web browser.

 Open a Web browser and in the address bar type the IP address of the DVR.
 Local connection: http:// (IP address from the DVR's Network Menu): IP port used e.g. http://192.168.1.163:2468

Internet connection:

http:// (IP address given by your Internet Service Provider): IP port used e.g. http://57.182.67.204:2468

- 2. If your computer is connected to the internet, it will download and install "ActiveX" plug-in automatically.
- 3. The Login window pops up. Type the User Name and Password. Click Login.



Username: Input the user name. **Password:** Input the password.



Note for the first time login:

• To display live streams, click **Download and install the player** to install the plug-in. After installing the plug-in, allow the player in your browser.

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Channel List 🔚 🗧		三) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
CH1	Þ 🛍 🗅 🖂 🎐	
CH2	🕨 🛍 🖾	
СНЗ	A A A A	
CH4	🕨 🛍 🖾	
CH5	🕨 🛍 🖾	
CH6	🕨 🛍 🖾	
CH7	H H	
CH8	🕨 🛍 🖾	
IP CH1	🕨 🛍 🖾 🖉 🔮	Live video can be played only after the player plug-in is installed.Download and install the player. If you have installed the player, restart your browser. (Allow the player in your browser.)
IP CH2	iii iii iii iii iii iii iii iii iii ii	
IP CH3	🕨 🛍 🖬 🗠	
IP CH4	H H	
IP CH5	🕨 🛍 🖾	
IP CH6	🕨 🛍 🖾	
IP CH7	🕨 🛍 🖾	
IP CH8	🕨 🛍 🖾 🖂	
IP CH9	🕨 🛍 🖾	
IP CH10	▶ 🗰 🖾 🗠	G. G. 🔲 📃 🗏 L. M. S. 🏔 di Q. 🔹

1			x	
Ready to Install Setup is now ready to begin installing EverFocusPluginV2 on your computer.				
Click Install to continue with the installation, or click Back if you want to rev change any settings.	iew or			
Destination location: C: \Program Files (x86)\EverFocusV2\DVR		*		
Start Menu folder: EverFocusV2\DVR				
		-		
4		Þ		
Install Cancel				

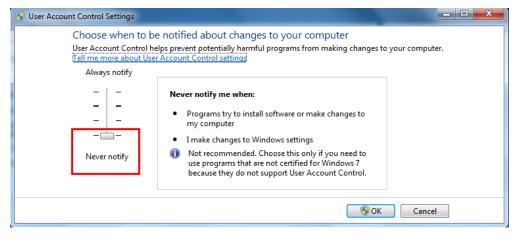
If you encounter the following problem or still can't access the remote Web interface, please follow the instructions below:

- If the ActiveX is not downloaded successfully, please check if your browser's safety level or firewall setting is set too high. Enable the following options on the Security Settings window (IE Browser < Tools < Internet Options < Security < Internet < Custom Level).
 - ✓ Automatic prompting for ActiveX controls
 - ✓ Script ActiveX controls marked safe for scripting
- If your PC or laptop is running with Windows, it's required to run the browser as administrator when first entering the remote web page of the device. Go to C:\Program Files (x86)\Internet Explorer, right-click the browser and then click Run as administrator.

 Compute 	r 🕨 Local Disk (C	:) • Program Files (x86)	► Internet Explorer ►
👼 Open	Burn Ne	ew folder	
	Name		Date modified
ads	🧭 iexplore	Open	11/21/2010 1 14/2009 9:1
ads Places	🗟 ieco	Run as administrator	// 1/2010 1

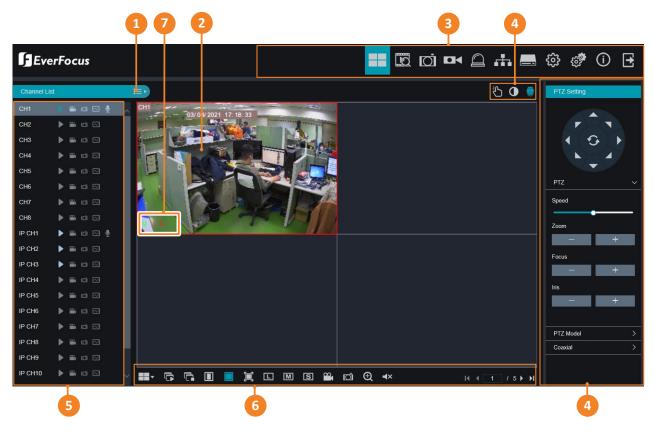
If you are unable to backup or record during remote operation, you may need to turn off the firewall and turn User Account Control off.

To turn User Account Control off, on the computer, click Start > Control Panel > System and Security > Action Center (click Change User Account Control Settings), the User Account Control Settings window appears. Adjust the slide bar to Never Notify and then click OK. Restart your computer if requested.





5.2 Remote Live View Window



No.	Name	Description	
1	Camera List Button	Click to hide or display the Camera List. Please refer to 5.2.1 Camera List.	
2	Live Channel	 You can perform the following functions on each channel: a. Double-click on a channel can display the channel in full screen. To exit the full screen mode, double-click on the channel again. b. You can drag and drop a channel to the desired position on the layout. Click and hold on a channel, a Drag Channel icon will display. Drag and drop the channel to the desired position on the layout. 	
3	Menu Bar	Click to enter each menu bar. Please refer to 4. OSD Menu.	
4	Manual Alarm / Color / PTZ Setting	Click to display or hide the Manual Alarm / Color / PTZ Setting Panel on the right-side of the Live View window. Please refer to <i>5.2.3 PTZ Setting Panel; 5.2.4 Color Panel</i> and <i>5.2.5 Manual Alarm</i> for more details.	
5	Camera List	Displays the Analog cameras and IP cameras. You can click on the icons to perform some functions. Please refer to <i>5.2.1 Camera List</i> .	
6	Live View Function Icons	You can perform some functions for all the cameras on the Live View window. Please refer to <i>5.2.2 Live View Function Icons</i> for more details.	

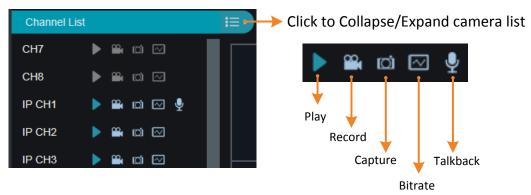


			atus Icons displayed on the bottom-left of each channel are ed to alert users when any of the following situations occur:
		R	The channel is on normal recording .
		н	No HDD / HDD error / HDD not formatted
		Μ	Motion event is triggered.
7	Status Icon	М	Motion event is triggered. Motion event is recording.
		I.	Alarm event is triggered.
		1.1	Alarm event is triggered. Alarm event is recording.
		S	Intelligent event is triggered.
		S	Intelligent event is triggered. Intelligent event is recording.
		С	Tamper alarm is detected.
			·



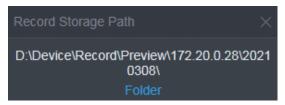
5.2.1 Camera List

The Camera list lists the analog and IP camera channels. You can use the camera list icons to perform some functions. If the channel is not connected or the channel has been disabled, the icons will be gray-out.

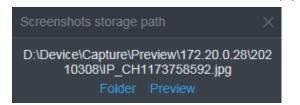


Play: Click to display / hide the camera stream on the Live window.

Record: Click to start manual record of the channel, click again to stop, a message window appears on the bottom-right corner of the screen. Click **Folder** to open the folder to find the recording file. To change the manual record storage path or select a file format, on the **Menu Bar**, click **W** to enter the setup page.



Snapshot: Click to take a manual snapshot of the channel, a message window appears on the bottom-right corner of the screen. Click **Folder** to open the folder to find the snapshot image. Or click **Preview** to preview the snapshot image. To change the manual snapshot storage path, on the **Menu Bar**. click **Wenu Bar**. click **Wenu Bar**.



Bitrate: Click and then select Main Stream, Sub Stream or Mobile Stream for this channel. To configure Main/Sub/Mobile Stream parameters, on the **Menu Bar**, click **I and click Stream** on the left-side panel to enter the setup page.



5.2.2 Live View Function Icons

You can perform some functions for all the cameras on the Live View window.

2	201- 🕞 🕞 🔲 📮 🛒 SI 🎮 🖵 🛛 🛱 🗗 🤤 🕂 🕂 🖬 🚺				
No.	Name	Description			
1	Divide Screen	Click to select a layout.			
2	Play	Click to display all camera streams on the Live window.			
3	Stop	Click to close all camera streams displayed on the Live window.			
4	Original Aspect Ratio	Click to display all the live streams with original aspect ratio.			
5	Stretch	Click to stretch all the live streams on the Live window.			
6	Full Screen	Click to display the Live View window in full screen mode. To exit full screen mode, press the ESC button on the keyboard.			
7	Sub Stream	Click to switch all live streams to Sub Stream. If you want to set up some streams for Main and some for Sub or Mobile streams, on the Camera List, you can click the Bitrate icon of the specific channels and then select Main, Sub or Mobile Stream. To configure Sub Stream settings, please refer to <i>4.2.1.2 Sub Stream</i> . Note that only IP cameras support Mobile Stream.			
8	Main Stream	Click to switch all live streams to Main Stream. If you want to set up some streams for Main and some for Sub or Mobile streams, on the Camera List, you can click the Bitrate icon of the specific channels and then select Main, Sub or Mobile Stream. To configure Main Stream settings, please refer to <i>4.2.1.1 Main Stream</i> . Note that only IP cameras support Mobile Stream.			
9	Mobile Stream	Click to switch all live streams to Mobile Stream. If you want to set up some streams for Main and some for Sub or Mobile streams, on the Camera List, you can click the Bitrate icon of the specific channels and then select Main, Sub or Mobile Stream. To configure Mobile Stream settings, please refer to <i>4.2.1.3 Mobile Stream</i> . Note that only IP cameras support Mobile Stream.			
10	Video Clips	Click to start manual recording of all channels on the Live window. Click the button again to stop, a message window appears on the bottom-right corner of the screen. Click Folder to open the folder to find the recording files. To change the manual record storage path or select a file format, on the Menu Bar , click to enter the setup page. Record Storage Path D:\Device\Record\Preview\172.20.0.28\2021 0311\ Folder			



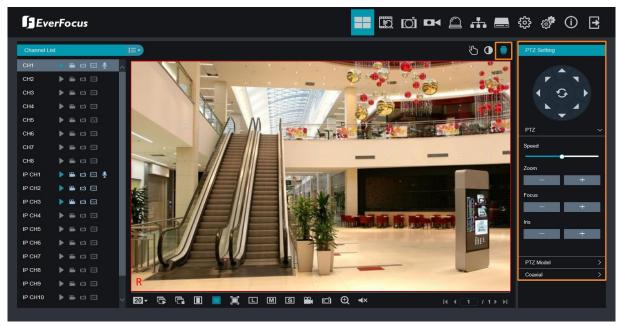
11	Snapshot	Click to take a snapshot (.jpg) of all channels on the Live window, a message window appears on the bottom-right corner of the screen. Click Folder to open the folder to find the snapshot images. To change the manual snapshot storage path, on the Menu Bar , click to enter the setup page. Screenshots storage path D:\Device\Capture\Preview\172.20.0.28\202 10311\ Folder
12	Digital Zoom	 Click to enable the Digital Zoom mode. To exit the Digital Zoom mode, click the button again. To perform the Digital Zoom function: a. On the Live View window, select a channel by clicking on the channel. b. Click the Digital Zoom button. c. Use your mouse to draw an area where you want to have a close-up view. The area will be zoom-in. d. Right-click to return to the original view.
13	Audio	Click to turn on or off the audio of the selected channel. To perform this function, on the Live window, select a channel by clicking on it, the selected channel will be highlighted with a red frame, click the Audio button to enable the audio function. You can adjust the bar to the left or right to adjust volume.
14	Layout Page	Click the left or right buttons to change among the layout pages. For example, for 16-channel model, if you select 4-Division, click the Next Page button will display the next 4-division layout with channel 5-8, channel 9-12, and so on. First Page Last Page Previous Page Next Page



5.2.3 PTZ Setting Panel

For PTZ cameras, you can use this panel to control the PTZ (analog and IP) camera.

On the Live View window, click the **PTZ Setting** button to display the PTZ Setting Panel. Click the **PTZ Setting** button again can hide the PTZ Control Panel.



For PTZ cameras, select a PTZ camera by clicking on the PTZ channel, the selected channel will be highlighted with a red frame. You can double-click to display the channel in full screen for operation. Click the **PTZ Setting** button, the below PTZ Setting panel appears. You can use this panel to control PTZ cameras.

PTZ Setting	Direction Buttons: Click the direction buttons to force the PTZ camera to turn to the direction.
PTZ ✓ Speed → Speed	Auto Pan: Click to start the Auto Pan function. Click again to stop the Auto Pan function.
Zoom - + - Zoom In (+) / Zoom Out (Focus	-) Speed: Slide the bar to the left or right to adjust the control speed.
Focus Near (+) / Focus Fa	r (-) Zoom: Click + or – to zoom in or zoom out.
Iris Open (+) / Iris Close (Focus: Click + or – to focus near or focus far. Iris: Click + or – to adjust the Iris.
PTZ Model >> Preset / Tour Control	
Coaxial >> UTC Function	



On the PTZ Panel, click **PTZ Model** to display the Preset/Tour Control panel.



To set up Preset Points:

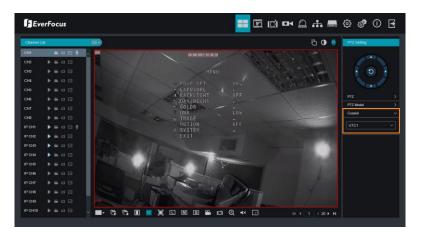
- 1. Select a PTZ camera by clicking on it on the Live View window.
- 2. Use the direction buttons or Zoom/Focus/Iris buttons to search for a preferred location.
- 3. Click the + button to add this location as a preset point, the preset point should be added on the list below.
- 4. Follow Step 2-3 to set up multiple preset points.
- 5. To go to a preset point, click the → button; to delete a preset point, click the button.

To perform the Tour function:

- 1. Set up the preset points in advance. Select an interval time for each preset points.
- 2. Click the **Start Tour** button **D**, the PTZ camera will start cruising based on the preset points with the dwell time.
- 3. To stop the Tour function, click the **Stop Tour** button

On the PTZ Panel, click **Coaxial** to display the UTC Control panel. You can use this panel to display the analog camera OSD menu and configure the camera OSD settings.

Note: For EverFocus' PTZ cameras, only the UTC-supported PTZ cameras support the UTC function.



- Select a camera and then select UTC1 or UTC2 from the Coaxial drop-down list.
- 2. Click the button, the camera OSD menu will be displayed.
- Use the Up / Down / Left / Right buttons to select among the OSD menu items

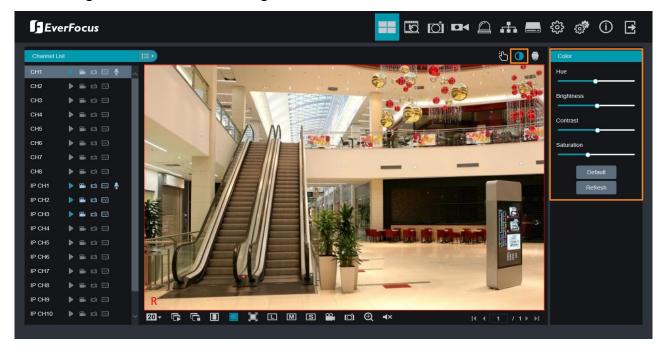
and use as the Enter button to enter the setup menu.



5.2.4 Color Panel

You can adjust Hue, Brightness, Contrast and Saturation value for each channel on the Live View window using the Color Panel. Click the **Default** button to restore all the value to factory default.

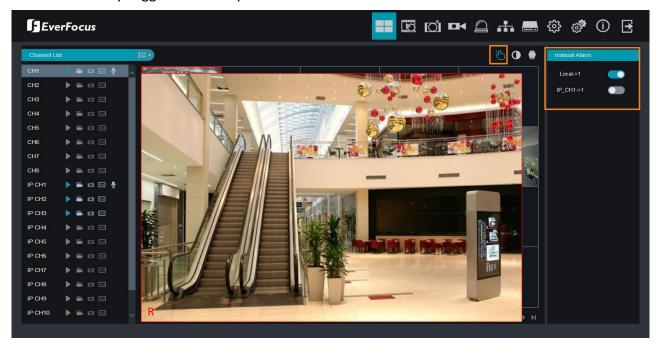
On the Live View window, select a camera by clicking the channel, the channel will be highlighted with a red frame. Click the **Color** button to display the Color Panel and then you can start adjust color settings. Click the **Color** button again can hide the Color Panel.





5.2.5 Manual Alarm Panel

You can manually trigger alarm output of the selected channel.



- 1. Click on a channel on the Live View window.
- 2. Click **Manual Alarm** and then turn on the **Local** button to manually trigger the alarm output device connected to the DVR; or turn on the **IP_CH** button to manually trigger the alarm output device connected to the IP camera.



5.3 Playback

Click the **Playback** icon on the top navigation bar, the Playback window displays. You can use the Playback window to playback General Recordings or Snapshot Recordings. Up to 4 multi-channel playback is supported.

5.3.1 General Playback

You can use this page to search, play back and backup all types of recordings.

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General ~	
Date 2021-3-11	
Stream Sub Stream V	
— Search Type —	
All Type Normal Manual I/O	
Motion PIR Intelligent	
Sound Detection Cocclusion	
Sound Detection 🕑 Occlusion	
Channel List	
CH1 CH2	
СНЗ СН4	
CH7 CH8	
 ✓ IP CH1 ✓ IP CH2 ✓ IP CH3 □ IP CH4 	▶ □ Ͷ 幸 ฿ @ ݮ ⋈ ╚ ╚ ᡧ
	Q0720 1920 1920 1120 1120 1220 1220 1320 1320 1440 1420 1500
□ IP CH9 □ IP CH10	
🗌 IP CH11 🔲 IP CH12	
0 mmb	
Search	

- 1. On the left-side panel, select **General** from the top dropdown list.
- 2. Select the date on the calendar (the date with an orange bar on the bottom indicates there are recordings on the date).
- 3. Select a stream type from the Stream drop-down list. Note that if you want to search for **Sub Stream** recordings, you have to select **Dual-Stream** mode in the Record Setting. Please refer to *4.2.2.1 Record*.
- 4. Select the desired recording type(s). The options include Normal, Manual, Motion and more.
- 5. Select the desired channels on the Channel List. Up to 4 channels can be selected.
- Click the Search button, the recordings will be displayed on the time bar of the Playback Panel in different colors. <u>Green:</u> Normal and Manual recordings; <u>Yellow</u>: Motion recordings; <u>Orange</u>: I/O recordings; <u>Blue:</u> Intelligent, Sound, Tamper.
- 7. Click the **Play** button to start playing back. Please refer to *5.3.3 Playback Panel* for more details on playback operation.



5.3.2 Picture Playback

You can use this page to search and play back the snapshot images or download the snapshot images or recordings to your computer.

EverFocus		Ð
Picture V Date 2021-3-11 Search Time 00 : 00 : 00 ~ 23 : 59 : 59	2021/03/11 14:48:18 2 2021/03/11 14:48:19 2021/03/11 14:48:22 2021/03/11 14:48:23 2021/03/11 14:48:23 2021/03/11 14:48:23 2021/03/11 14:48:23 2021/03/11 14:48:23 2021/03/11 14:48:24	*
Search Type All Type Manual Normal Motion	2021/03/11 14:48:27 2021/03/11 14:48:27 2021/03/11 14:48:28 2021/03/11 14:48:29 2021/03/11 14:48:32	*
✓ All Type ✓ All Type ✓ CH1 ✓ CH2 ✓ CH3 ✓ CH4 ✓ CH5 ✓ CH6 ✓ CH7 ✓ CH8	2021/03/11 14.48.32 * 2021/03/11 14.48.33 * 2021/03/11 14.48.37 * 2021/03/11 14.48.37 * 2021/03/11 14.48.38 * 2021/03/11 * 202	¥
□ IP CH1 □ IP CH2 □ IP CH3 □ IP CH4 □ IP CH5 □ IP CH6 □ IP CH7 □ IP CH6	2021/03/11 14.48.42	14 III
Search		M

- 1. On the left-side panel, select **Picture** from the top dropdown list.
- 2. Select the date on the calendar (the date with an orange bar on the bottom indicates there are snapshots on the date).
- 3. Select a time range.
- 4. Select the desired snapshot type(s). The options include Manual, Normal, Motion, I/O and all.
- 5. Select the desired channels on the Channel List.
- 6. Click the **Search** button, the searched snapshots will be displayed on the right-side window.
- 7. You can click the **Download** button on each snapshot thumbnail to download the image.



- 8. To enter the Snapshot Playback mode for snapshot playback, you can do it either way:
 - Double-click on a snapshot thumbnail.
 - Select a snapshot thumbnail by clicking on it, the selected snapshot will be highlighted with a blue frame, click the **Snapshot Playback** button **E**.
- 9. For more details on Snapshot Playback mode, please refer to 5.3.2.1 Snapshot Playback Mode.



5.3.2.1 Snapshot Playback Mode

On the Picture Playback page, double-click on a Snapshot thumbnail can enter the Snapshot Playback Mode. To return to the Picture Playback Page, click the **Return** button on the Playback Panel.



Snapshot Playback Panel

13

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©.Q 15:00	15:05	15:10	15:15	15:20	15:25	15:30

No.	Name	Description
1	Return	Click to return to the Picture Playback Page.
2	Play / Pause	Click to start or pause playing back.
3	Stop	Click to stop playing back.
4	Step Forward	Click to playback frame by frame.
5	Video Clips	Click to quickly save a video clip (mp4) to your computer.
6	Snapshot	Click to take a snapshot image (jpg) and save it to your computer.
7	Download	Click to download the snapshot recordings to your computer.
8	Speed	Click to select a playback speed.





9	Audio	Scroll the slider bar to increase or decrease volume.
10	Fisheye	If the snapshot channel is connected with a fisheye camera, the Fisheye icon will appear. Click the Fisheye icon to display the Fisheye panel on the right side. To exit the Fisheye window, click the icon again. On the Fisheye panel, you can select the mounting type based on your fisheye installation, and then you can choose the display mode to suit your needs.
11	Digital Zoom	Click to use the Digital Zoom function. To exit the Digital Zoom mode, click the button again. To perform Digital Zoom function, click the Digital Zoom button and then use your mouse to draw an area where you want to have a close-up view. The area will be zoom-in.
12	Original Aspect Ratio	Click to display the streams with original aspect ratio.
13	Stretch	Click to stretch the streams on the window.
14	Full Screen	Click to display the streams in full screen. To exit full screen mode, press the ESC button on the keyboard.
15	Time Span Buttons	You can adjust the time span on the Time Bar by clicking the buttons.

EverFocus

5.3.3 Playback Panel

You can use the **Playback Panel** to operate the below functions:



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No.	Name	Description
1	Play/Pause	Click to Play or Pause playing back. <u>Quad view with separate playback:</u> If multiple channels (up to 4ch) are searched, after clicking the Play button, only the selected channel (channel highlighted with red frame) will be playback. To play back other channels, select a channel on the quad view window by clicking on it, the selected channel will be highlighted with a red frame, click the Play button and the selected channel will be playback. You can play back each channel with different start time. Please refer to No.9. <u>Quad view with synchronized playback:</u> You can click the Synchronized Playback button to play back multiple channel (up to 4ch) simultaneously. Please refer to No.4.
2	Stop	Click to Stop playing back.
3	Step Forward	Click the button to play the recording frame by frame. Note this button is only functional under single channel playback.
4	Synchronized Playback	You can play back multiple channel (up to 4ch) simultaneously. After clicking the Search button, click the Synchronized Playback button and then click the Play button, the system will start playing back multiple channels.
5	Video Clips	Click to start manual recording of a channel (mp4). Click the button again to stop. On the playback window, click on a channel and then click the Record button, a message window appears on the bottom-right corner of the screen. Click Folder to open the folder to find the recording file. To change the manual record storage path or select a file format, on the Menu Bar , click is to enter the setup page.



6	Snapshot	Click to take a snapshot (.jpg) of a channel, a message window appears on the bottom-right corner of the screen. Click Folder to open the folder to find the snapshot images. To change the manual snapshot storage path, on the Menu Bar , click 10 to enter the setup page. Screenshots storage path D:\Device\Capture\Preview\172.20.0.28\202 10311\ Folder
7	Download	Click to download recordings for a single channel. To perform the Download function, please refer to <i>5.3.4 Download</i> .
8	Playback Speed	Click to select a playback speed.
9	Play All Windows	Click to start playing back multi-channel simultaneously with different start time. This function is useful under the Multi-Channel Playback mode (Synchronized playback must be disabled). On the Time Bar, directly click on each channel to select the start time, a red line (Time Indicator) will be displayed indicating the selected playback time.
10	Stop Playback All	Click the Stop Playback All button can stop the Play All Windows mode.
11	Audio	Click to switch on/off the speaker. You can also adjust the volume.
12	Time Indicator	Indicates the playback time.
13	 Double click on the time bar at a certain time will start playin from the clicked time. The colors on the time bar represent different recording types. <u>Green:</u> Normal and Manual record <u>Yellow</u>: Motion recordings; <u>Orange</u>: Alarm recordings; <u>Blue:</u> Intelligent, Sound, Tamper. 	
14	Fisheye	If the channel is connected with a fisheye camera, the Fisheye icon will appear. Click the Fisheye icon to display the Fisheye panel on the right side. To exit the Fisheye window, click the icon again. On the Fisheye panel, you can select the mounting type based on your fisheye installation, and then you can choose the display mode to suit your needs.



15	Digital Zoom	 Click to enable the Digital Zoom mode. To exit the Digital Zoom mode, click the button again. To perform the Digital Zoom function: a. Select a channel you want to perform the digital zoom by clicking on the channel. b. Click the Digital Zoom button to enable the function. c. Use your mouse to draw an area where you want to have a close-up view on the channel. The area will be zoom-in. d. Right-click to return to the original view.
16	Original Aspect Ratio	Click to play back all the streams with original aspect ratio.
17	Stretch	Click to stretch all the streams on the Playback window.
18	Full Screen	Click to display the Playback window in full screen mode. To exit full screen mode, press the ESC button on the keyboard.
19	Time Span Buttons	You can adjust the time span on the Time Bar by clicking the buttons.



5.3.4 Download

You can download the searched recordings for a single channel on the Playback window.

- 1. Select a channel you want to download the recordings by clicking on the channel. The selected channel will be highlighted with a red frame.
- 2. Click the **Download** button, the corresponding recordings to this channel will be displayed.

		Start Time	End Time	Status	File Size
		2021-03-12 00:00:01	2021-03-12 01:48:41	Ready to Download	500.76M
2		2021-03-12 01:48:41	2021-03-12 05:27:38	Ready to Download	1015.84M
3		2021-03-12 05:27:38	2021-03-12 07:34:32	Ready to Download	584.25M
4		2021-03-12 07:34:32	2021-03-12 07:35:35	Ready to Download	4.56M
5		2021-03-12 07:35:35	2021-03-12 07:36:23	Ready to Download	3.47M
6		2021-03-12 07:36:23	2021-03-12 07:38:37	Ready to Download	9.50M
7		2021-03-12 07:38:37	2021-03-12 07:39:11	Ready to Download	2.55M
8		2021-03-12 07:39:08	2021-03-12 07:43:08	Ready to Download	15.92M
9		2021-03-12 07:43:05	2021-03-12 07:43:41	Ready to Download	2.65M
10		2021-03-12 07:43:41	2021-03-12 07:49:17	Ready to Download	23.18M
11		2021-03-12 07:49:17	2021-03-12 07:49:52	Ready to Download	2.64M
12		2021-03-12 07:49:52	2021-03-12 08:01:18	Ready to Download	49.20M
13		2021-03-12 08:01:18	2021-03-12 08:01:53	Ready to Download	2.86M
14		2021-03-12 08:01:53	2021-03-12 08:47:58	Ready to Download	206.64M
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3. Select the desired recordings you want to download, and then click **Start Download**. To change the storage path or the file format, on the **Menu Bar**, click 🐼 to enter the setup page.



Chapter



6. Troubleshooting

If you have problems with the system, run through the following checklist to see if you can solve the problem.

1. Q: What can I do if the system does not detect the HDD?

A: Check if the power supply system is properly connected and power cord and power cables are securely connected, and if something wrong with the HDD interface. Or you may check if your HDD is supported by referring to the specifications or descriptions.

2. Q: I have changed the password but forget the new password, how can I access the system? A: If you have configured the email settings, you can click "Forget Password" on the login window and the system will send the password or a super password to the setup email address. If you have never configured the email settings, please mail the MAC Address, Serial Number and the Model Name to ts@everfocus.com.tw to get a temporary password.

3. Q: We see abnormal video signal or even no video signal by connecting the DVR and camera together. Power supply for both devices is OK. What is wrong?A: Check network cable at DVR side to see if the cable is firmly connected and if it is worn out and needs to be replaced.

4. Q: How to prevent DVR from being influenced by heat?

A: The DVR needs to dissipate heat while it is running. Please place the DVR in a place with good air circulation and away from heat sources to ensure stability and life of the DVR.

5. Q: The remote control doesn't work while the monitor screen is OK and panel keys are functional. Why?

A: Operate again by aiming the remote control at the IR receiver on front panel. If it still doesn't work, please check if the batteries in the remote control are running out of power. If not, check if the remote control is broken.

6. Q: I want to take out HDD from my PC and install it in DVR. Can it work?A: All HDDs supported by the system can be used. But remember, once DVR runs, the data on your HDD will be formatted.

7. Q: Can I playback while recording?

- A: Yes. The system supports the function of playing while recording.
- 8. Q: Can I clear some records on HDD of DVR?



A: In consideration of the file security, you may not clear part of records. If you want to remove all the records, you can format HDD.

9. Q: Why can't I log in DVR client?

A: Please check if the network connection settings are correct and RJ-45 port is with good contact. And check if your account and password are correctly input.

10. Q: Why can't I find any records during playback?

A: Please check if the data line connection for HDD is OK and system time is properly adjusted. Try a few times and restart. If it still doesn't work, check if the HDD is broken.

11. Q: Why DVR cannot control PTZ?

A: Please check if:

- a) PTZ is malfunctioned.
- b) Settings like protocol, baud rate and ID address; along with connection and installation of PTZ are not correct.
- c) On the DVR side, PTZ settings like protocol, baud rate and ID address; along with connection and installation of PTZ are not correct.
- d) If many PTZ are connected, the farthest side of AB cable line of PTZ should be added 120Ω resistance to realize reflection suppression and impedance matching. Otherwise, PTZ control will be unstable.
- 12. Q: Why doesn't dynamic detection work?

A: Please check if the motion detection alarm setting at IP camera side is correct and if the sensitivity is set too low.

13. Q: Why doesn't alarm work?

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

14. Q: Why does buzzer keep alarming?

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

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

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



H.265 VANGUARD II Series

Appendix



Appendix A: Push Notification

You can enable the Push Notification function to send motion or I/O event alerts to your mobile devices (with eFVMS App installed).

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To use the Push Notification function, you have to set up the motion detection settings or I/O alarm settings and enable the Push Notification function on the EverFocus **eFVMS App**. Please refer to the below instructions.



To enable the Push Notification function:

- 1. On the DVR end, configure the motion alarm settings (refer to 4.3.1 Motion) or I/O alarm settings (refer to 4.3.2 I/O).
- 2. On your mobile device, install **eFVMS App**. For Android users, go to Google Play Store. For iOS users, go to Apple Store. After the installation process is complete, start the eFVMS App.



a. Go to **Menu** > **Notifications**, and then switch the button to the right to enable the Push Notification function.

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b. The Push Notification setting is complete. You can start receiving motion or I/O alarms from the DVR.

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c. You can tap on the alarms on the Alarm List to enter the Live page or Playback page.

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