## **Smart Network Video Recorder**

**User Manual** 

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## **About this Manual**

### **Declaration of responsibility**

- > The manual is just for reference, please subject to the production.
- > The Manual is subject to change, without notice, duce to firmware updates or other reasons.
- This manual is applicable to smart Network Video Recorde series, pictures, charts, images and all other information hereinafter are for description and explanation only.
- > Please use this user manual under the guidance of professionals.

### **Factory Settings**

- > The factory account and password is admin and 888888.
- > The factory IPv4 address is 192.168.1.189.

Note:For the two NIC cards device, the NIC card #1 IPv4 address is 192.168.1.189 and NIC card #2 is 192.168.2.189.

## **1** Preventive and Cautionary Tips

### Before connecting and operating your device, please be advised of the following tips:

- Power down the device before connecting and disconnecting accessories and peripherals.
- Ensure the device is installed in a well-ventilated, dust-free environment.
- This device is designed for indoor use only.
- Keep all liquids away from the device.
- A factory recommended HDD should be used for this device.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only.
   Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Environmental temperature should be within the range of -10°C to +55°C (+14°F to +131°F).
- Environmental humidity should be within the range of 10% to 90%.

## 2 Hard Disk Installation

### 2.1 Warning

Disconnect the power from the NVR before installing a hard disk drive (HDD). A factory recommended HDD should be used for this installation.

### 2.2 Steps

### 8-HDDs NVR installation:

Unfasten the top cover screws.



Figure 1-1 Remove the top cover

• Remove the upper hard disk holder, place a hard disk to the lower hard disk holder, then fasten the hard disk with four screws.



Figure 1-2 fasten the hard disk

• Connect the hard disk power and data cable.



Figure 1-3 Connecting the Cable

• Fasten the top cover screws back again.



Figure 1-4 Fasten the cover screw

### 2-HDDs NVR installation:

0

• Unfasten the top cover screws with a cross screwdriver.



Figure 1-5 Remove the top cover

• Fasten the hard disk to the HDD rack with four screws.

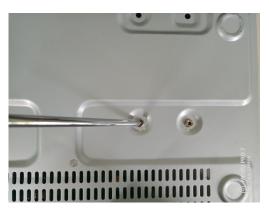


Figure 1-6 Fasten the hard disk

• Connect the hard disk power and data cable.



Figure 1-7 Connecting the Cable

• Fasten the top cover screws back again.



Figure 1-8 Fasten the cover screw

## **3 Getting Started**

### 3.1 Start up the Device

Before you start, please check that the voltage of the extra power supply is the same with the device's requirement.

### Steps:

Step 1 Check the power supply is plugged into an electrical outlet.

Step 2 Press the power button on the rear panel.

Step 3 After startup, the main page will appears on the monitor.

Note:

8-HDDs NVR should press the power button on the front panel at the same time.

### 3.2 Enter Wizard to Configure Quick Basic Settings

By default, the Setup Wizard starts once the device has loaded.

The Setup Wizard can walk you through some important settings of the device. If you don't want to use the Setup Wizard at that moment, click the Exit button.

Step1: Configure the General Settings, including Language, Device ID, Resolution, Automatic Logout Time, System Mode, and Face application scenatios.

	Guide	
General settings > Administrator Password	> Time Setting > Network Setting > Phone monitoring > Disk Manager > IP Camera	
Language	English	•
Device ID		
Device Name		
Resolution	1920x1080-P60	•
Automatic Logout Time	Omin	
System mode	16Digital(SMPJD1) + 16Preview + 9Playback + Face recognition	•
Face application scenarios	Face comparison Maximum accessbefore4roadComparison machine,Front comparison	•
Don't display next time	Nex	t Exit

Step2: After the settings, click Next to enter the Administrator Password Setup Wizard window, as shown in the following figure.

	Guide
General settings > Administrator Password > Time Setting >	Network Setting > Phone monitering > Disk Manager > IP Camera
Administrator Password	•••••
Administrator login automatically	
Remember password	
Modify the password recovery configuration	Test password recovery function
Password recovery method	💽 Scan code to retrieve 🛛 🔘 Retrieve Email
	the QII code through the mobile ${\cal A}^{\rm QD}$ to obtain the temporary paraword
Don't display next time	Back Next Exit

	Change Password
User Name	edmin
New password	
Confirm Password	
	OK Cancel

Step3: Click Next after you configured the parameters, which takes you to the Time Setting window.

Quide					
General settings > Administrator Password > Tim	e Setting > Network Setting > Phone monito	sring > Disk Manager > IP Camera			
System time	2021-04-12 14:29:03				
Date Format	YYYY-MM-DD Year-Month-Day	<b>~</b>			
Obtain network time automatically					
Time zone setting	(UTC +08:00)Beijing,Taipei,Hong Kong Spec	ial Administrative Region,Urumqi,Singa 🛛 💙			
Time zone adjustment		00 A Minute			
Time zone aujustinent					
Summer time					
Don't display next time		Back Next Exit			

Step4: Click Next after you configured the parameters, which takes you to the Network Setting window.

Guide					
settings > Administrator Passwo	rrd > Time Setting > Network Setting > Phone monitoring > Disk Manager > IP Camera				
Network Card	LANI				
DHCP 🔭					
IP Address					
Mask					
Gateway					
Obtain DNS automatically					
HTTP Port	80				
RTSP Port	554				
n't display next time	Back Next				

Step5: Click Next after you configured the parameters, which takes you to the QR Code window.



Step6: Click Next, to initialize the HDD.

				Guide					
General settings :	> Administra	itor Password > T	ime Setting >	Network Setting	> Phone mon	itoring > Disk M	lanager > IP C	amera	
Number	Name	Туре	Space	Free Space	Status	Information	Record	Delete	-
		Common Disk	7452GB	7362GB		Ð	No		
4									
h.									
								Format	
📃 Don't display	next time						Back	Next	Exit

Step7: Click Next, you enter the Camera Setup interface to add the IP cameras.

1) Click Search Device to search the online IP Camera.

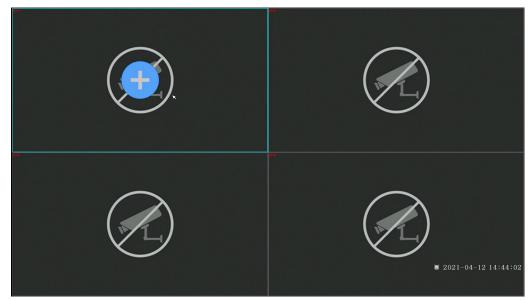
2) Click the Add to add the camera.

								Automatically added	
Search device									
			×						
464 NE									
npert Configuration			tess bar, the status bar on	in he serted and dira					
npert configuration	Of the office of the low costs								
Opert Configuration									
				undwidth: DKipp	Restanting and	5.000	Datas	<b>2</b>	p.u.
	Number of devices edde	od: 8 Total bandwiffs: 1 Alfress +							
	Number of Goviers adds	od: 0 Total bankwith: 1 Attenu + +							
Caparl Configuration	Number of écotors adée 44 Cota Otto	od: 8 Total bandwidth: 1 Adfress + + + +							
Depart Configuration Rescone device Network Betting	Number of fectors affer	od. 8 Total bendariffe: 1 Alfores + + + +							
Capart Configuration	Number of devices affer	od: 0 Total bandweidth: 1 Adfreux + + + + + +							
Depart Configuration Rescone device Network Betting	Number of fectors affer	ot : Total boolwardth: 1 Alfonus + + + + + + + + + +							
Depart Configuration Rescone device Network Betting	Number of devices effor	nd 2 Total bandwidth; 1 + + + + + + + + + +							
Depart Configuration Rescone device Network Betting	Number of Bostorer affec Mail Corp	ot : Total boolwardth: 1 Alfonus + + + + + + + + + +							

Step8: Click Finish to complete the Startup Setup Wizard.

## 4 Enter the Full Screen Preview Window

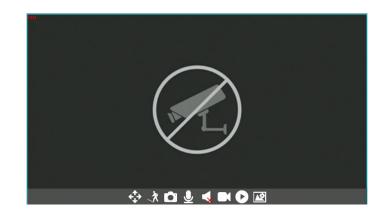
After you have completed the wizard, you enter the preview window, shown as follow figure.



### 4.1 Channel Shortcup Icon

User can enter the camera setup interface by click the icon

And the shortcut icon will show up when you clik on the channel.



lcon	Description	lcon	Description
<b>€</b>	3D position	×.	Display Smart AI rules
	Channel Capture	Q	Bidirection Talk
$\triangleleft$	Audio		Recording
0	Instant Playback	<b>▲</b> ≵	Video Setting

### Bottom Icon Description

r <mark>x</mark>	e o 12 (4		<b>=</b> ( #) ©	ŀ¢
lcon	Description	Icon	Description	
	P2P service		Network	
Ħ	Output Regulation	Ø	System Information	
	Linkage Preview	(گ)	Display Face Recognition	
۵	Full Channel Capture		Record	
	OSD On/Off	<b>\$</b>	PTZ control	
ŀ	Auto-switch			

### **Main Window**

Right click on the window, than will pop up the right click menu.



- Full screen: Full screen shortcut menu.
- Shut down the system: To logout, power down or restart the device.
- IP Camera: Shortcut to enter the IP camera management page.
- Split Screen: Shortcut menu to change the split mode.
- Last Screen: Back to the last page; only active when the split number is smaller than the max channel of the NVR.
- Next Screen: Turn to the next page; only active when the split number is smaller than the max channel of the NVR.
- Tour on: shortcut to configure the auto-switch time.
- Smart Search: Shortcut to enter into the Smart Search operation interface.
- Video operation: Shortcut to enter into the recording configuration interface.
- Snapshot operation: Shortcut to enter into the capture configuration interface.
- Smart playback: Shortcut to enter into the Smart Playback operation interface.
- **Backup:** Shortcut to enter into the backup configuration interface.
- Face recognition: Shortcut to enter into the face recognition configuration interface.
- Behavior analysis: Shortcut to enter into the behavior analysis configuration interface.
- People and vehicles Det: Shortcut to enter into the people and vehicles detection configuration interface.
- IPC settings: Shortcut to enter into the IPC configuration interface.
- System parameters: Shortcut to enter into the system parameters configuration interface.
- Phone monitoring: Shortcut to enter into the QR code interface.
- Back to configuration: Shortcut to back to the configuration interface.

### click Quit Full Screen to enter the main window.



Figure 2-1 Description of bottom Icons

lcon	Description	Icon	Description
	1 Split Screen		4 Split Screen
	6 Split Screen		8 Split Screen
	9 Split Screen	16	16 Split Screen
1¢	Auto-switch		Open/close Linkage Preview
	Display face recognition	9	Face Search
B	Back up	24	Full screen
	Hide OSD	\$\$	PTZ control
<	Last Screen	>	Next Screen
	Capture		Start/close Recording

## 5 PTZ control

Before you start, please make sure the connected IP camera supports the PTZ function and is properly connected. Click the Icon at the bottom of the main window, to enter the PTZ control configure interface.



### Icon Description

Figure 2-2 Description of PTZ Icons

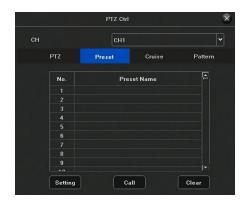
lcon	Description
	Direction button
- Zoom +	Zoom in & Zoom out control button
- Focus +	Focus control button
- Iris +	Iris control button

### • Set a Preset

Follow the steps to set the preset location which you want the PTZ camera to point to when an event takes place.

Step1: Use the directional buttons on the PTZ control panel to wheel the camera to the location where you want to set preset, and the zoom and focus operations can be recorded in the preset as well

Step2: Click prest to set the preset.



Step3: Select the preset No. (1~255) from the drop-down list.

Step4: Enter the preset name in the text field.

Step5: Click Setting to save the preset.

Step6: Repeat steps 1-5 to save more presets.

Step7: (Optional) Click Clear to cancel the location information of the preset.

### Call a Preset

This feature enables the camera to point to a specified position such as a window when an event takes place.

Step 1 Click on 🔬 the quick settings toolbar of the PTZ camera live view.

Step 2 Click preset.

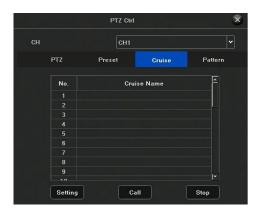
Step 3 Select the preset No. from the drop-down list.

Step 4 Click Call to call it.

### • Set a Patrol

Patrols can be set to move the PTZ to different key points and have it stay there for a set duration before moving on to the next key point. The key points are corresponding to the presets.

Step1: Click Cruise to configure the patrol.



Step2: Select the patrol No. In the drop-down list.

Step3: Double click on the patrol No. and enter the patrol name.

Step4: Click Setting to enter the Patrol Setting interface.



Step5: Click Addto add key point for the patrol.

1) Configure key point parameters.

Preset: It determines the order at which the PTZ will follow while cycling through the patrol. Speed: It defines the speed at which the PTZ will move from one key point to the next. Duration: It refers to the time span to stay at the corresponding key point.

### Call a Patrol

### Calling a patrol makes the PTZ to move according to the predefined patrol path.

Step 1 Click on the quick settings toolbar of the PTZ camera live view.

Step 2 Click Patrol on the PTZ control panel.

Step 3 Select a patrol in the drop-down list.

Step 4 Click Call to call it.

Step 5 (Optional) Click Stop to stop calling it.

### Set a Pattern

Patterns can be set by recording the movement of the PTZ. You can call the pattern to make the PTZ movement according to the predefined path.

Step 1 Click at the bottom on the main window..

Step 2 Click Pattern to configure pattern.

Step 3 Select the pattern No. in the drop-down list.

Step 4 Set the pattern.

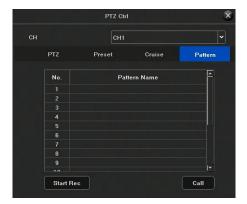
1) Click Record to start recording.

2) Click corresponding buttons on the control panel to move the PTZ camera.

3) Click Stop to stop recording.

The movement of the PTZ is recorded as the pattern.

Step 5 Repeat steps 3-4 to set more patterns.



#### Call a Pattern

Follow the procedure to move the PTZ camera according to the predefined patterns.

Step 1 Click at the bottom on the main window.

Step 2 Click Pattern to configure pattern.

Step 3 Select a pattern in the drop-down list.

Step 4 Click Call to call it.

Step 5 (Optional) Click Stop to stop calling it.

## 6 Playback

Playing Video Files Instant Playback

Instant playback enables the device to play the recorded video files in last five minutes. If no video is found, it means there is no recording during the last five minutes.

Step1: On the live view window of the selected camera, move the cursor to the window bottom to access the toolbar.

Step2: Click to start instant playback.

### 6.1 Play Normal Video

In the normal playback mode, you can achieve the advanced playback operations which will satisfy more complicated requirement. Step1: Go to Playback.



Step2: Select one or more cameras in the channel list.

Step3: Select a date in the calendar.

Step4: Click Search to search the video.

Step5: Click the play button on the toolbar to start playing the video.

Step6: You can use the toolbar in the bottom part of playback interface to control the playing and realize a series of operations.



Playback Icon Description

Icon	Description
-11	Play/ Pause
•	Stop
$\rightarrow$ $\leftarrow$	Playback Forward/Backward
M	Frame Play
	30 Seconds Forward/Backward
- 📢 x1 🕨	Slow/Fast Play
	Split Screen
$\langle \rangle$	Last/Next
Ŧ	Back up
0	Capture
*	Hide/Show the time bar
×	Full screen
20	Add Face Template
۲	Retrieve face information

Figure 2-4 Playback Icon Description

### 6.2 Play External File

You can play files from the external storage devices.

Connect the storage device with the video files to your device.

Step 1 Go to Playback.

Step 2 Click the icon at the left top corner.

Step 3 Click Refresh to browse the storage device.

Step4: Select and click the button or double click to play the file.



## 7 Camera Management

Click IP Camera to enter the camera management interface.

# ÷ τ<mark>ο</mark>' Ò IVR 5.0

### Add the IP Camera Manually

Before you can get live video or record the video files, you should add the network cameras to the connection list of the device.

Step1: Click IP Camera on the top window to enter the Camera Management.

Step2: Click after the channel on the bottom of the window.

CH2Connection information						
Protocol	SLINK			~		
Address						
Port						
Device Information						
Network Type	тср			~		
User Name						
Password						
		Copy To	ок	Cancel		

Step3: Select Protocol and Network Type.

Step4: Enter IP adress, management port, user name, password and other information.

Step5: Click OK to finish the adding of the IP camera.

### Add the Automatically Searched Online IP Cameras

Step 1 On the Camera Management interface, click the Online Device panel to expand the Online Device interface.

Step 2 Select the automatically searched online devices.

Step 3 Click Add.

## 8 Al intelligence

### 8.1 Behavior analysis

### Target Count

Step1: Go to Advanced CFG $\rightarrow$ AI intelligence $\rightarrow$ Behavior analysis $\rightarrow$ Target Count.

Step2: Select a camera from the CH drop-down list.

Step3: Click Enable.

Step4: Click and drag with your mouse to draw detect Line

Step5: Select the count type.

Step6: Configure the statistical parameters.

Step7: Configure the arming schedule and linkage.





### Object Left/Lost

Step1: Go to Advanced CFG $\rightarrow$ AI intelligence $\rightarrow$ Behavior analysis $\rightarrow$ Object Left /Lost.

Step2: Select a camera from the CH drop-down list.

Step3: Click Enable.

Step4: Click and drag with your mouse to draw a detect area.

Step5: Select the detect type.

Step6: Set the target percentage and detect time.

Step7: Configure the arming schedule and linkage.







### Electric fence

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ Behavior analysis $\rightarrow$ electric fence.

Step2: Select a camera from the CH drop-down list.

Step3: Click Enable.

Step4: Click and drag with your mouse to draw a detect area.

Step5: Select the detect type.

Step6: Set the target percentage and detect time.

Step7: Configure the arming schedule and linkage.



### • Line Crossing Detection

Line crossing detection detects people, vehicles, and objects crossing a set virtual line. The detection direction can be set as biditectional, from left to right or from right to left.

Step1: Go to Advanced CFG→AI intelligence→Behavior analysis→Line Crossing.

Step2: Select a Camera to configure in the CH drop-down list.

Step3: Check Enable to enable line crossing detection.

Step4: Follow the steps to set the line crossing detection rules and detection areas.

1) Select an Arming Region to configure.

2) Select the Direction as A->B, or A<-B.

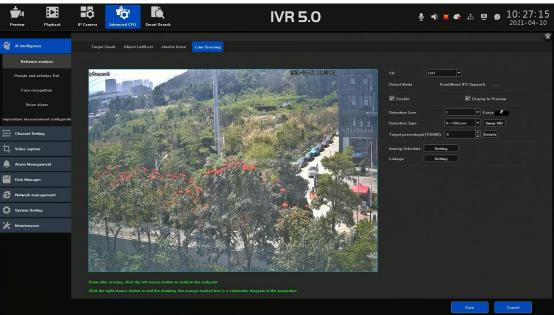
A->B: Only the object crossing the configured line from the A side to the B side can be detected.

B->A: Only the object crossing the configured line from the B side to the A side can be detected.

3) Set the Target Percentage.

Step6: Set the arming schedule.

Step7: Set the linkage actions.





### 8.2 Configure Human Body and Vehicle Detection

### • Humanoid Body Detection

The human body detection enables to detect the human body appering in the monitoring scene, and capture the human body pictures.

Note: This feature is available only when the connected camera supports the human body detection.

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ People and vehicles Det $\rightarrow$ Humanoid Detection.



Step2: Select the camera to configure the human body detection.

- Step3: Check Enable.
- Step4: Configure the human body pixel.
- Step5: Set the detection area.
- Step6: configure the arming schedule.
- Step7: Set the linkage actions.
- Step8: Click Save.

### • Configure Retrograde detection

 $Step 1: Go \ to \ Advanced \ CFG \rightarrow AI \ intelligence \rightarrow People \ and \ vehicles \ Det \rightarrow Retrograde \ Detection.$ 

Step2: Select a camera from the CH drop-down list.

- Step3: Click Enable.
- Step4: Click and drag with your mouse to draw a detect area.
- Step5: Set the target percentage.
- Step6: Configure the arming schedule and linkage.



### • Off duty detection

Note: This function should support by the IP camera.

 $\label{eq:step1:Go} Step1: Go \ to \ Advanced \ CFG {\rightarrow} AI \ intelligence {\rightarrow} People \ and \ vehicle \ Det {\rightarrow} Off \ duty \ detection.$ 

- Step2: Select a camera from the CH drop-down list.
- Step3: Click Enable.
- Step4: Click and drag to draw a detect area with your mouse.
- Step5: Configure the departure time and target percentage.
- Step6: Configure the arming schedule and linkage.
- Step7: Click Save.



### • Electric vehicle testing

Note: This function should support by the IP camera.

The vehicle that enters the set lane can be detected and alarm will be triggered.

- Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ People and vehicle Det $\rightarrow$ Electric vehicle testing.
- Step2: Select a camera in the CH drop-down list.
- Step3: Click Enable.
- Step4: Click and drag to draw a detect area with your mouse.
- Step5: Configure the sensitivity and target percentage.
- Step6: Select the target type.
- Step7: Configure the arming schedule and linkage.



### 8.3 Face recognition

### Global Setting

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ Face Recognition $\rightarrow$ Global Setting

Step2: Select a camera to configure in the CH drop-down list.

Step3: Check Enable to active the Face recognition.

Step4: Set the parameters of Propotion and similarity.

Step5: Configure the arming schedule.

Step6: Configure the Linkage.



### • Face Picture Library Management

You can add the face picture library to the system and upload the face pictures for similarity comparision with the live captured picture.

 $Step 1: Go \ to \ Advanced \ CFG {\rightarrow} AI \ intelligence {\rightarrow} Face \ Recognition {\rightarrow} List \ Manage.$ 

- Step2: Click Creat Group to setup a face library group.
- Step3: Enter the library group name.
- Step4: Select the Name list type.
- Step5: Set the similarity for the camera.

### Step6: Click OK.

Preview Playback	IP Camera Advanced CFG Smart Search	IVR 5.0	🍨 📲 🛎 🚓 🛤 💻 📭 10:30:37 2021-04-10
Al intelligence	Global Setting List Manage Operation guide		*
Behavior analysis	All gourp Name	Name list type Association Channel	Add member Edit group Upload IPC
People and vehicles Det			
Face recognition			
Voice alarm			
mperature measurement configuration			
Channel Setting			×
↓ Video capture			e e
Alarm Management	Create Group Export grouping		lumber of lists : 0 / 3000 List space : 2MB / 54MB
Disk Manager			
So Network management	Face grouping details Number Name	Describe gourp Name Status	When the state is abnormal, Please edit the template photo again Modify Delete
🛱 System Setting		Describe gourp name and a	
🔀 Maintenance			
			Face template
	Precise search Query by number	Query	

Preview Playback	IP Camera	FG Smart Search		IVR 5.0	9	2 🖣 📕 🚭 🦝	₂ 🖽 🔊 10:31: 2021-04
Al intelligence	Global Setting	st Manage Operation guide					
Behavior analysis	All	gourp Name	Name list type	Association Channel	Add member	Edit group	Upload IPC
People and vehicles Det			Whitelist	CH1 CH2 CH3 CH4	+ 🗉	ß	<u> </u>
Face recognition							
Voice alarm							
perature measurement configuratio							
Channel Setting							
							F
	Create Group	Export grouping		Numbe	r of lists : 0 / 3000	List space : 2MB/54M	
- Video capture		Export grouping					
Video capture       Alarm Management       Disk Manager	After modifying the perso						
Video capture       Alarm Management       Disk Manager       Network management			to Take effect Describe				
Video capture       Alurn Management       2) Disk Manager       S Network management	After modifying the perso						
Video capture Video capture Alarm Management Disk Manager Network management System Setting	After modifying the perso						
Video capture Video capture Alarm Management Disk Manager Network management System Setting	After modifying the perso						
Video capture       Alurn Management       2) Disk Manager       S Network management	After modifying the perso						
Video capture Alarm Management Disk Manager Network management System Setting	After modifying the perso					Nease cell the temptate phone	

### Add a Face Picture Library

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ Face Recognition $\rightarrow$ List Manage.

Step2: Click	+	under the Add Member of a group.
--------------	---	----------------------------------

	Add face name list	
Belate subtracting the face You can preve the Jolf meure shotton to re-frame Image Source @ External pictures @ Local video . Image size 15200-	ve fans Stillersten	Face template
Photo storage quality Original		
Photo size without scaling. Goality without compression	NameNumber	
	Describe	

Step3: Check External picture.

Step4: Click Import Picture to browse for the face picture.

Step5: Enter the Name, Number, and Description information for the face picture.

Step6: Click OK.

### **Import Multiple Pictures**

Step1: Go to Advanced CFG $\rightarrow$ AI intelligence $\rightarrow$ Face Recognition $\rightarrow$ List Manage.

Step2: Click

u 🕑 the Add Member of a group.

	Batch Import	×
When the staff number	is the same 💿 Direct coverage 🛛 🔘 Skip update	
Import file format	💿 jpg picture file 🛛 🕘 Bin files exported from other devices	
Parsing options	🕂 Number 🕂 Name 🕂 Describe	
File parsing rules	Name_Describe_Number.jpg Clear	
Photo storage quality	Original   Photo size without scaling, Quality without compression	
	OK Cancel	

Step3: Check Direct Coverage or Skip Update accordingly.

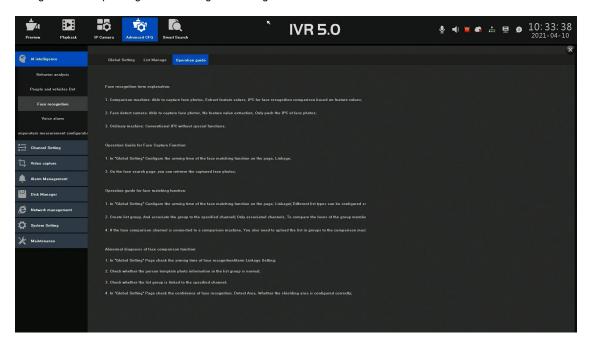
Step4: Check the file format.

Step5: Configure the file name rule.

Step6: Click OK.

### • Operation Guide

A brief guidance of operating the face recognition configuration.



### 8.4 Configure Audio Warning

The audio warning enables the system to trigger an audio when an alarm is detected.

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ Voice Alarm $\rightarrow$ Broadcast Content.

Step2: Select the audio for the events.

Step3: Click Application.

Preview Playback	IP Camera Advanced CFG	Smart Search	IVR 5.0			<b>∳</b> ◀	•	÷	9	10: 33: 54 2021-04-10
										×
Al intelligence	Broadcast content									
Behavior analysis										
People and vehicles Det		Please note that personnel intrusion	· ·	1 4	Application	Audition				
Face recognition		Please note that personnel intrusion	<b>.</b>	1	Application	Audition				
Voice alarm		Please note that personnel intrusion		1 4	Application	Audition				
Imperature measurement configuration		Please note that personnel intrusion		1	Application	Audition				
Channel Setting		Please note that personnel intrusion	<b>.</b>	1	Application	Audition				
·		Please note that personnel intrusion	v	1 4	Application	Audition				
		Please note that personnel intrusion	<b></b> ,	1 4	Application	Audition				
Alarm Management		Please note that personnel intrusion	v .	1	Application	Audition				
Disk Manager		Abnormal body temperature		1	Application	Audition				
Ø Network management		Please wear a mask	· · · · · · · · · · · · · · · · · · ·	1	Application	Audition				
🗱 System Setting	Electric vehicle testing	Please note that personnel intrusion		1	Application	Audition				
🔀 Maintenance										

### 8.5 Body Temperature Measurement Configuration

Body temperature measurement should be supported by the camera.

### • Alarm Event Configuration

Step1: Go to Advanced CFG  $\rightarrow$  AI intelligence  $\rightarrow$  Human body temperature measurement.

Step2: Select the camera in the CH drop-down list.

Step3: Check the check-box before enable.

Step4: Set the alarm threshold value.

Step5: Configure the arming schedule.

Step6: Configure the linkage.



### • Configure the Detect Area

Step1: Go to Advanced CFG $\rightarrow$ AI intelligence $\rightarrow$ Temperature measurement area.

Step2: Select the camera in the CH drop-down list.

Step3: Click Enable.

- Step4: Select the Area type.
- Step5: Click and drag to draw an area in the preview window.

Step6: Set the face pix and capture quality value.



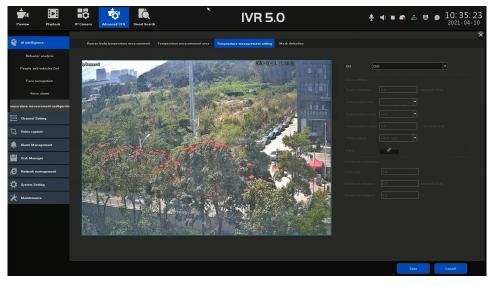
## • Temperature Measurement Configuration

Step1: Go to Advanced CFG $\rightarrow$ Al intelligence $\rightarrow$ Temperature measurement setting.

Step2: Select a camera in the CH drop-down list.

Step3: Configure the parameters, including target distance, temperature unit and etc.

#### Step4: Click Save.



## **Mask Detection**

Step1: Go to Advanced CFG $\rightarrow$ AI intelligence $\rightarrow$ Mask detection.

Step2: Select a camera in the CH drop-down list.

Step3: Click Enable.

Step4: Configure the arming schedule and linkage.

Step5: Click Save.



## 9 Camera Settings

#### 9.1 Channel Parameters

#### • Configure OSD Settings

You can configure the OSD (On-screen Display) settings for the camera, including date /time, camera name, etc.

Step1: Go to Advanced CFG→Channel Setting→Channel Parameter→Display Setting.

Step2: Select the camera from the CH drop-down list.

Step3: Edit the name in the Channel Name text field.

Step4: Set the date and time format.

Step5: Check the check-box of the Display Local Channel Name, Display Channel Name and Show Time if you want to show the information on the image.

Step6: Set the OSD size of main and sub stream.

Step7: You can use the mouse to click and drag the text frame on the preview window to adjust the OSD position.

Step8: Click the Save button to apply the settings.



## • Video Encoding

Step1: Go to Advanced CFG $\rightarrow$ Channel Setting $\rightarrow$ Channel Parameter $\rightarrow$ Video Encoding.

Step2: Configure the parameter of encoding as demand, including Stream Type, Video Type, Resolution, and etc.

Step3: Click the Save button to apply the configuration.

Step4: User can click Copy to button to copy the same parameter to other channels.



## 9.2 Configure Channel Grouping

#### • Configure Channel Grouping

Step1: Go to Advanced CFG $\rightarrow$ Channel Setting $\rightarrow$ Channel Grouping $\rightarrow$ Structure.

Provine Physical	Pr Cemera Advanced CFG Emart Search	IVR 5.0	y 🖣 👅 🐟 🚓 📮 🙍 10:36:46 2021-04-10
			×
al intelligence			
Chennel Setting			
Channel Parameter	* ₩NR * ■ m cH1-CH16		
Channel Grouping			
Video capture	Mik CH4 CH4		
Alarm Monagement	mik CH6 CH8 mik CH7 CH7 mik CH8 CH8		
🔛 Disk Manager	mik CH9 CH9 mik CH10 CH10 mik CH11 CH11		
e Network monogement			
🔯 System Setting	de chis chis de chis chis		
🔀 Maintenance			
			Bave

Step2: Click

to setup a new group, and enter the group name.

Step3: Check the check-box before the group name.

Step4: Check the check-box before the channel, and click to add the channel to the group.

Step5: Click Save.

#### • Configure Auto-Switch of Cameras

You can set the auto-switch of cameras to play in different display modes.

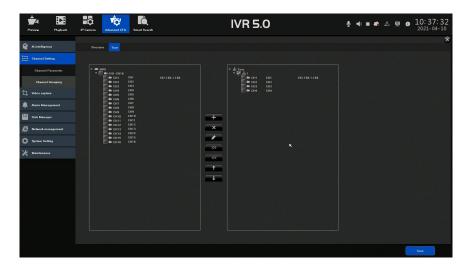
Step1: Go to Advanced CFG $\rightarrow$ Channel Setting $\rightarrow$ Channel Grouping $\rightarrow$ Tour.

Step2: Click to setup a new group, and enter the group name.

Step3: Check the check-box before the group name.

Step4: Check the check-box before the channel, and click to add the channel to the group.

Step5: Click Save.



Icon Description:

Figure 3-1 Icon Description

Icon	Description	lcon	Description										
+	Creat a new group	×	Delete a group										
	Edit a group	>>>>	Add channel										
<	Delete a channel		Move up										
<b>•</b>		Move down											

## 10 Video Recording & Capture

### **10.1 Configure Schedule**

## • Configure Recording Schedule

Set the record schedule, and then the camera automatically starts /stops recording according to the configured schedule. Before you start, make sure you have installed the HDDs to the device before you want to store the video files. Step1: Go to Advanced CFG→Video Capture→Schedule Setting→Video Plan. Step2: Select a camera from the CH drop-down list.

Step3: Select a Record Mode. The record type can be Timing, Alarm, Motion Alarm, and Event.Different recording types are configurable.

Step4: Select a day and click and drag the mouse on the time bar to set the record schedule.

Step5: Repeat the above steps to schedule recording for other days in the week.

Step6: Click Save to apply the settings.

Preview Playback	IP Camera Advanced CFG	Smart Search	IVR 5.0	)	Ŷ	-(1-)	e <b>6</b>	.ta ⊑	<b>9</b> 1	.0: 37: 55 2021-04-10
Al intelligence										×
Al intelligence	Video plan Timing Captur		×							
Channel Setting										
Video capture		сні								
		Timing or Alarm Record			Go to setti	ngs				
Schedule Setting					Go to setti	ngs				
Manual Operation		Setting			Go to setti					
Snap parameters					Go to zetti					
only parameters					Go to zetti	ngx				
Local Backup		<b>6 0 10 12 1</b>	4 16 18 20 22 24							
Alarm Management	Monday									
Disk Manager	Tuesday Wednesday									
Disk Manager	Thursday									
E Network management	Friday									
🙀 System Setting	Saturday									
	Sunday									
💥 Maintenance	Pre-record	No Pre-record								
		No Post-record								
					_		_		-	
					Copy	To		Save	C,	ancel

#### • Configure Timing Capture Schedule

Step1: Go to Advanced CFG $\rightarrow$ Video Capture $\rightarrow$ Schedule Setting $\rightarrow$ Timing Capture.

Step2: Select a camera from the CH drop-down list.

Step3: Check the Enable.

Step4: Select a day and click and drag the mouse on the time bar to set the timing capture schedule.

Step5: Repeat the above steps to schedule timing capture for other days in the week.

Step6: Click Save to apply the settings.

Preview Playback	IP Camera Advanced CFG Smart Search	IVR 5.0	y 🖣 🗑 🚓 🚓 🛱 👩 10:38:11 2021-04-10
•			
Al intelligence	Video plan Timing Capture		
Channel Setting			
Uideo capture	сн сні	•	
Schedule Setting	Teming Capture Enable Capture Schedule Setting		
Manual Operation		2 <u>14 15 18 20 22 2</u> 4	
Snap parameters	Monday Tuesday		
Local Backup	Wednesday Thursday		
Alarm Management	Friday		
Disk Manager	Baturday Sunday		
Ø Network management			
🔯 System Setting			
🔀 Maintenance			
			Copy To Sava Cancel

## 10.2 Configure Manual Operation

## • Configure Manual Recording

Step1: Go to Advanced CFG  $\rightarrow$  Video Capture  $\rightarrow$  Manual Operation  $\rightarrow$  Manual Rec.

Step2: Select the channel.

Step3: Click 🙆 to start manual recording accordingly.

Step4: Click Save.



## • Configure Manual Capture

Step1: Go to Advanced CFG  $\rightarrow$  Video Capture  $\rightarrow$  Manual Operation  $\rightarrow$  Manual Rec.

Step2: Select the channel.

Step3: Select Enable or Disable.

Step4: Click Save.

Preview Playback	IP Camera Advanced CFG Sm	art Search	IVR 5.0	0	Ś	🎍 🛋 👅 🐟 🚓	■ <b>1</b> 0:39:01 2021-04-10
Al intelligence	Manual Rec Capture						*
Channel Setting							
Video capture							
Schedule Setting	CH1 - 16						8
Manual Operation							18
Snap parameters	Tips:The following operation work						
Local Backup							
Alarm Management							
Disk Manager							
🖉 Network management							
🗱 System Setting							이 아이는 아이는 것이 같이
🔀 Maintenance							영영 문화 특별 문
							Save

## **10.3 Configure Capture Parameters**

Step1: Go to Advanced CFG $\rightarrow$ Video Capture $\rightarrow$ Snap parameters.

- Step2: Select a camera from the CH drop-down list.
- Step3: Set the resolution.
- Step4: Set the capture time interval.
- Step5: Click Save to apply the settings.



#### **10.4 Local Files Backup**

Export Files for backup purpose using USD device (USB flash drive, USB HDD).

Step1: Go to Advanced CFG $\rightarrow$ Video Capture $\rightarrow$ Local Backup.

Step2: Select the Channel, Search Type, Backup Content and Backup format.

- Step3: Set the search time.
- Step4: Click Query File Size and Browse the backup location.

Step5: Click Start Backup button to start backup files.

Preview Play	_	Advanced CFG	Smart Se	•			IVI	r 5.0
Al intelligence								
- Channel Setting								
	CHI -1							
Schedule Setting								
					n 🗹 Norm			
Snap parameters	Start Tim		2021-04-10		00.00			\$
Local Backup	End Time Backup e		2021-04-10	Picture	₹ 23:59			÷.
Alarm Management			● = ● AV					
Disk Manager						Query File Si		
🧟 Network manageme		Location lisk Space			мв	Browse		
🛱 System Setting								
🔀 Maintenance					0%			

## **11 Event and Alarm Settings**

### **11.1 Channel Event**

#### • Configure Motion Detection Alarm

The motion detection enables the device to detect the moving objects in the monitoring area and trigger the alarm.

Step1: Go to Advanced CFG→Alarm Management→Channel Event→Motion

Step2: Select the camera to configure the motion detection in the CH drop-down list.

Step3: Check Enable Motion Detection.

Step4: Set the Sensitivity. The sensitivity allows you to calibrate how readily movement triggers the alarm. The higher results in the more

readily to trigger the motion detection.

Step5: Set the motion detection area.

Full Screen: Click to set the full-screen motion detection for the image.

Customized Area: Use the mouse to click and drag on the preview screen to draw the customized motion detection area (s).

You can click Delete All to clear the current motion detection area settings and draw again.

Step6: Set the Arming Schedule.

Step7: Set the Linkage actions.

Step8: Click Save button to apply the settings.

User can click Copy to button to copy the same configuration to other channels.



#### • Configure the Video Loss Alarm

The video loss detection enables to detect video loss of a channel and take alarm response action (s).

Step1: Go to Advanced CFG $\rightarrow$ Alarm Management $\rightarrow$ Channel Event $\rightarrow$ Video Loss.

Step2: Select the camera to configure the video loss detection in the CH drop-down list.

Step3: Check Enable Video Loss.

Step4: Set the Arming Schedule.

Step5: Set the Linkage actions.

Step6: Click Save button to apply the settings.

User can click Copy to button to copy the same configuration to other channels.



### • Configure Video Tampering Alarm

The video tampering detection enables to trigger alarm when the camera lens is covered and take alarm response action (s).

Step1: Go to Advanced CFG  $\rightarrow$  Alarm Management  $\rightarrow$  Channel Event  $\rightarrow$  Video Tampering.

Step2: Select the camera to configure the video tampering detection in the CH drop-down list.

Step3: Check Enable Video Tampering.

Step4: Set the sensitivity.

Step5: Set the video tampering area. Use the mouse to click and drag on the preview screen to draw the customized video tampering area.

You can click Delete All to clear the current area settings and draw again.

Step6: Set the Arming schedule.

Step7: Set the Linkage actions.

Step8: Click Save button to apply the settings.

User can click Copy to button to copy the same configuration to other channels.



## • Configure Privacy Mask

The privacy mask can be used to protect personal privacy by concealing parts of the image from view or recording with a masked area.

Step1: Go to Advanced CFG $\rightarrow$ Alarm Management $\rightarrow$ Channel Event $\rightarrow$ Privacy Cover.

Step2: Select the camera to set privacy mask in the CH drop-down list.

- Step3: Check Enable Privacy Mask.
- Step4: Use the mouse to draw a zone on the window.

You can click Delete All to clear the current area settings and draw again.

Step5: Click Save button to apply the settings.



#### 11.2 Configure Alarm Input

Set the handling action of an external alarm.

Step1: Go to Advanced CFG  $\rightarrow$  Alarm Management  $\rightarrow$  Alarm Input.

Step2: Select an alarm input item from the list.

Step3: Select the alarm status to normally open or normally close.

- Step4: Edit the alarm input name.
- Step5: Check the check-box of alarm handing.
- Step6: Set the Arming schedule.

Step7: Set the Linkage actions.

Step8: Click Save button.

Preview Playback	IP Camera Advanced CEG	Emart Search	IVR 5.0	🍨 剩 👅 🐟 🚊	10:46:15 2021-04-10
Al intelligence	Alarm Input				×
Channel Setting	Alarm input				
		Locall			
Alarm Management		Local			
Channel event		Normally Open			
Alarm Input					
Alarm Output System abnormality	Alarm Handling				
System abnormality Manual Alarm	Arming Schedule Linkage				
Disk Manager					
Setwork management					
🛱 System Setting					
🔀 Maintenance					
				Copy To Save	Cancel

## 11.3 Configure Alarm Output

Trigger an alarm output when an alarm is triggered.

Step1: Go to Advanced CFG $\rightarrow$ Alarm Management $\rightarrow$ Alarm Output.

- Step2: Select an alarm output item from the list.
- Step3: Edit the Alarm Output Name.
- Step4: Select the Alarm Output Delay time.
- Step5: Set the Arming schedule.

## Step6: Click Save button.

_	view Playback	IP Camera	Advanced CFG	Smart Search		IVR 5.0		<b>∳ 4</b> 13	d, 🖉	90	10:46 2021-0	5:33 4-10
•			ting tinds			internation de	n in statistic					×
¥ .	N intelligence	Alarm	Output									
÷ =	Channel Setting											
ц,	video capture			1	<b>•</b>							
٠	Narm Management		Dutput Name Dutput Delay	Custom	v 0 s							
	Channel event		Schedule	Setting								
	Alarm Input											
	Alarm Output											
	System abnormality											
	Manual Alarm											
	Disk Manager											
ø	Network management											
<b>\$</b>	System Setting											
×	Maintenance											
								Сору То	Save		Cancel	

## **11.4 Configure Exceptions Alarm**

The exception events can be configured to take the event hint in the live view window, trigger alarm output and linkage actions.

Step1: Go to Advanced CFG $\rightarrow$ Alarm Management $\rightarrow$ System Abnormality.

Step2: Select the exception type from the drop-down list.

Step3: Select the Trigger Mode.

Step4: Click Save button.

Preview Playback	IP Camera Advanced CFG	Smart Besrch	IVR 5.0	Ý ୶ 🛎	🐟 📩 🖳	10:46:58 2021-04-10
Al intelligence	Abnormal Setting					×
Channel Setting						
Video capture		Hard Disk Full				
🌲 Alarm Management	Trigger Mode		🔲 Alarm On Monitor 📃 Audible W			
Channel event						
Alarm Input						
Alarm Output						
System abnormality						
Manual Alarm						
Disk Manager						
Setwork management						
🗱 System Setting			집 등, 너희 귀요김 의장 등			
🔀 Maintenance						
					Save	Cancel

## 11.5 Configure Manual Alarm Trigger

Step1: Go to Advanced CFG  $\rightarrow$  Alarm Management  $\rightarrow$  Manual Alarm.

Step2: Click Trigger or Trigger All button to trigger the alarm.

Step3: Click Delete All after manual alarm triggering.

Preview Playback	IP Comera Advanced CF0 Smart Search	IVR 5.0	🍨 ┥ 🗑 🚓 🚓 🛤 🛛 10:47:17 2021-04-10
Al intelligence	Manual Alarm		
Channel Setting			
	Alarm Output No.	Alarm Name	Trigger
Alarm Management	Local1		No
Channel event			
Alarm Input			
Alarm Output			
System abnormality			
Manual Alarm			
Disk Manager			
E Network management			
🛱 System Setting			
🔀 Maintenance			
			Trigger All Trigger Delete All

# 12 Storage Management

## 12.1 Disk Management

Before startup of the device, install and connect the HDD to the device.

	view Playbac		Advanced CFG	Smart Search		IVF	R 5.0		<b>∳</b> •() i	I 💪 📩 🖳	10:47:48 2021-04-10
<b>@</b> -	Al intelligence										×
12	Channel Setting		When Disk Full:	Auto Ove	snwrite Y SMART Handling	I : Ignore Error And Conti	nue Recording				
다 ·	Video capture	Reco	rds Keeping Time(I	Unit <i>i</i> hour): 100							Delate F
۰ پ	Alarm Management		Number	Name	Type Common Dizk	Space 7452GB	Free Space 7349GB	Status Normal	Information	Record Yes	Delete
	Disk Manager										
	Storage Management										
	Disk Grouping										
	Disk Location Map										
ø	Network management										
•	System Setting										
×	Maintenance										
									Greate Network Disk	Format	Save

## 12.2 Configure HDD Group

The device automatity group by default. Multiple HDDs can be managed in groups. Video from specified channels can be recorded onto a

particular HDD group through HDD settings.

Preview Playback	IP Camera Advanced CF0 Smart Search	IVR 5.0	
Pipeline     Pipeline       Image: State S	P Central Advanced City Advan	Image: State of the state o	*
			Save

#### Step1: Go to Advanced CFG $\rightarrow$ Disk Manger $\rightarrow$ Disk Grouping.

Step2: Check Manual Grouping.

🔘 Auto Grouping 🜘 Manual Grouping			
VR V CHICHIG CHICHI	+ × *	<ul> <li>Disk Grouping</li> <li>It Recording Group 1</li> <li>It Record Channel</li> <li>It Record Channel<!--</td--><td>: 50 00 OB : 100.00 GB : 90.00 GB : 60.00 GB</td></li></ul>	: 50 00 OB : 100.00 GB : 90.00 GB : 60.00 GB

Step3: Click to setup a disk group.

Step4: Check the check-box before the group name.

Step5: Check the check-box before a disk, and click to add a disk to the group.

Step6: Check the check-box before the group name.

Step7: Check the check-box before the channel, and click to add the channel to the group.

Step8: Check the check-box of the channel under the group, and click step to enter the HDD Quota configure interface.

Enable Quota     Enable Quota pace Occupied:98.45 QB pace Occupied:0 MB	CH2 100 CH4 60	GB	Space Occupied:8 Space Occupied:0
pace Occupied:0 MB	CH4 60	GB	Space Occupied-0
			opace occupien.o
	300.00	GB	
	7449.43	GB	
	98.29 0	3B	
	1.86 G		
	7349.28		
	ок	7449.43 98.29 1.86 G 7349.28	300.00 GB 7449.3 GB 98.29 GB 1.86 GB 7349.29 GB 7349.29 GB OK Cancel

Step9: Check Enable Quota.

Step10: Enter the storage capacity in the text fields for the channel.

Step11: Click OK.

Step12: Click Save.

## 12.3 HDD Map

HDD map show the position of a disk on the board.



## 13 Network Management

## **13.1 Local Network Settings**

#### Basic Settings

Basic network settings must be properly configured before you can operate the device over network.

 $Step1: Go \ to \ Advanced \ CFG \rightarrow Network \ Management \rightarrow Local \ Network \rightarrow Basic \ Parameters.$ 

Step2: Configure IP settings as needed.

Multi-address Mode: The parameters of the two NIC cards can be configured independently. You can select LAN1 or LAN2 after Network

Card for parameter settings. You can select one NIC card as default route.

Check DHCP to obtain IP settings automatically if a DHCP server is available in the network.

Step3: Click Save.

Presiew Playback	IP Camera Advanced CEG	Smart Search	IVR 5.0	🍨 ┥ 🛎 🚓 🚓 🖳 🙍 10:54:08 2021-04-10
Al intelligence				
A intelligence	Basic parameters Advan	iced parameters		
Channel Setting				
└. Video capture		LANI		
Alarm Management	MAC Address Network Status	00:13:DF:36:5F:CD 100M/Full Duplex		
Disk Manager				
Detwork management	💿 DHCP 🔘 Static IP			
Local network				
Dynamic domain name				
E-Mail settings				
Management Platform	Auto Obtain DNS Address O Use Following DNS Addre			
IP address filtering	DNS1	114.114.114.114		
		8.8.8.8		
System Setting		LANI		
💥 Maintenance				
				Natwork diagnoziic Save

## • Configure PPPoE

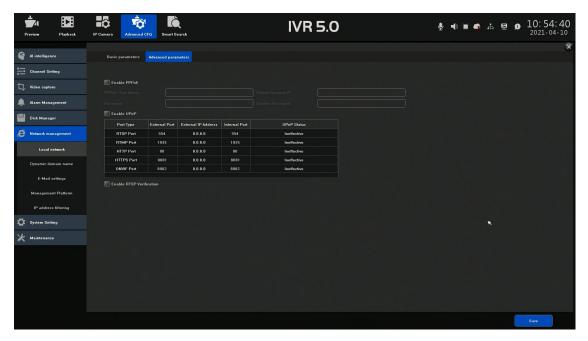
If the device is connected to internet through PPPoE, you need to configure user name and password accordingly.

 $Step 1: Go \ to \ Advanced \ CFG \rightarrow Network \ Management \rightarrow Local \ Network \rightarrow Advanced \ Parameters.$ 

Step2: Check Enable PPPoE.

Step3: Configure the user name and password.

Step4: Click Save.



## **13.2 Configure DDNS**

You can set Dynamic DNS service for network access. Different DDNS modes are available: 3322, DnsDynamic, DynDns, No-IP, and PeanutHull.

Before you start, you must register 3322, DnsDynamic, DynDns, No-IP, and PeanutHull services with you ISP before configuring DDNS settings.

Step1: Go to Advanced CFG $\rightarrow$ Network Management $\rightarrow$ Dynamic Domain Name.

Step2: Check Enable DDNS.

Step3: Select DynDNS under DDNS Type drop-down list.

Step4: Enter Server Addredd for DynDNS (i.e. Members.3322.org ).

Step5: Edit the Port and Update Interval.

Step6: Enter the User Name and Password registered in the DynDNS website.

Step7: Enter the Domain Name obtained from the DynDNS website.

Preview Playback	IP Camera Advanced CFG	Smart Search	IVR 5.0	🎍 📲 🗃 🚓 🏛 🖳 🗿 🗍	0: 54: 58 021-04-10
•					×
Al intelligence	DDNS Setting				
Channel Setting					
└☐ Video capture	Enable DDNS	Disable DDNS 3322			
🔔 Alarm Management					
Disk Manager					
E Network management					
Local network					
Dynamic domain name					
E-Mail settings					
Management Platform					
IP address filtering				*	
🗱 System Setting					
🔀 Maintenance					
				Sa Sa	re

### 13.3 Configure Email

The system can be configured to send an Email notification to all designated users when a specified event occur, such as an alarm or motion event is detected, etc.

Before you start, the device must be connected to a local area network (LAN) that contains an SMTP mail server. The network must also be connected to either an intranet or the internet depending on the location of the e-mail accounts to which you want to send notification. Step1 Go to Advanced CFG—Network Management—Email Settings.

Preview Pleyback	IP Cansera IP Cansera	IVR 5.0	<b>∳</b> ∎ ≡ (	
				×
Al intelligence				
Channel Setting				
1 Video capture				
Alarm Management	Authorization password			
Disk Manager				
Ø Network management	The pictures in the attachment will be packaged SMTP Server Custom	aid zent, and the files may not be directly longestid on zone plotterns		
Local network	SMTP Part 25	Need to open the mailbox to set up POP3 service		
Dynamic domain name	Receiver	User Name Email Address	Test Email	Delete
	Receiver1 Receiver2			
E-Mail settings	Receiver2		2	
Management Platform	Receiver4		<u></u>	
IP address filtering				
🔅 System Setting				
* Maintenance				
				Same

Step2: Configure the following Email settings.

SMTP Server: The IP address of SMTP Server or host name.

SMTP Port: The SMTP port. The default TCP/IP port used for SMTP is 25.

Enable SSL: Check to enable SSL if required by the SMTP server.

Email Sender: The name of the sender.

Step3: Click Save.

#### **13.4 Management Platform**

Preview Playback	IP Camera	Advanced CFG	Smart Search		IVR	5.0		∳ 4	¥ ♠ ♣ ፵	10:55: 2021-04-	34 - 10
Al intelligence	Manag			RTMP service							×
E Channel Setting											
Video capture		Enable	e Management Platform		Protocol		Global Setting	QR Code	Serial No.	Status	
Alarm Management					Device ID		Modify	QR Code		Register Success	
			2 Z		WebServer						
Disk Manager											
& Network management											
Local network											
Dynamic domain name											
E-Mail zottingz											
Management Platform											
IP address filtering											
🔯 System Setting											
🔀 Maintenance											
	· · ·									Move Up Move Down	
										Save	

## • Configure P2P Connect

P2P connect provides mobile phone application and platform service to access and manage your connected devices, which enables you

to get a convenient remote access to the surceillance system.

 $Step 1: Go \ to \ Advanced \ CFG \rightarrow Network \ Management \rightarrow Management \ Platform \rightarrow P2P \ service.$ 

Preview Playback	IP Camera Advanced CFG	Smart Bearch	, IVR 5.0	। 2021-04-10 के के ख़ ₪
				×
Al intelligence	Management Platform	2P service HTTP push RTMP service		
Channel Setting				
↓ Video capture				
Alarm Management	Enable Alarm push	M		
Disk Manager		activated		
C Network management	online status alileT4evr version	Offline V02.00.00(2021-04-02-18)		
Local network				
Dynamic domain name		Aop		
E-Mail settings				
Management Platform				
IP address filtering				
🛱 System Setting				
🔀 Maintenance				
				Save

Step2: Check Enable to activate the function.

Step3: Click App to show the QR code.

Step4: Scan the QR code to read the service terms and privacy statement.

Step5: Click Save.

## HTTP Push

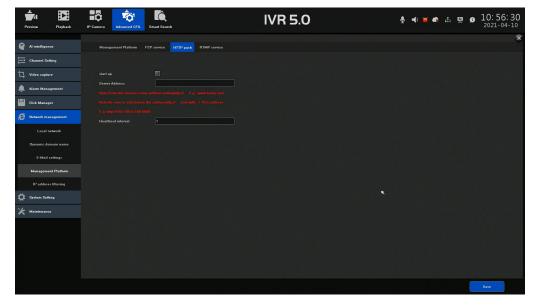
The device can send face pictures to destination IP address through HTTP. The destination IP address should support HTTP transmission.

Step1: Go to Advanced CFG→Network management→Management Platform→HTTP Push.

Step2: Check the check-box after start up.

- Step3: Set the Server Address.
- Step4: Configure the heartbeat interval value.

#### Step5: Click Save.



#### RTMP service

Al intelligence	Management Platform P2P service						
- Channel Setting							
Video capture		Enable	Push stream address	Stream		Whether to enable audio	Status
Alarm Management	снт 🗸			Main Stream	•		Illegal address
-	снт 🗸			Main Stream	•		
Disk Manager	СН1 🗸			Main Stream	•		
🙆 Network management	сня 🗸			Main Stream	•		
	сн1 ч			Main Stream	•		
Local network	сні 🗸			Main Stream	•		
	снт 🗸			Main Stream	~		
E-Mail settings	сня 👻			Main Stream	•		
Management Platform IP address filtering							
He official detailing							
K Maintenance							*
K Maintenance							
K Msintenance							

## 13.5 Set IP Address Filter

IP address filter is a tool for access control. You can enable the IP address filter to forbid the visits from the certain IP address.

Step1: Go to Advanced CFG $\rightarrow$ Network management $\rightarrow$ IP address filtering.

Step2: Click Add IP to enter the configuration interface.

Step3: Select the type of IP address filter.

Step4: Edit the IP address filter list.

#### Step5: Click Save.



# **14 System Settings**

## 14.1 Time Setting

#### Device Time

Step1: Go to Advanced CFG $\rightarrow$ System Setting $\rightarrow$ Time Setting $\rightarrow$ Device Time

Step2: Configure the date, time and time zone.

Step3: Click the Save button to save the settings.

Preview Playback	IP Germera	Smart Stretch	IVR 5.0	ণ ৰ	1 <b>2 4</b> 4 5	10: 57: 20 2021-04-10
-						×
Al intelligence						
Channel Setting						
Video capture		2021-04-10 10:57:19 * Modify				
🌲 Marm Management		XX-XX-XXXX Year-Mosth-Day				
Disk Manager		UTC +08.00)Beijing, Taipei, Hang Kang Special Administra UTC +08.10	the RegionUrumqi,Singagore 🛛 🌱			
Dowerk management						
🔅 System Setting						
Time Setting						
User Management						
Device Setting						
💥 Maintenanse	Enable NTP Disable Time checkout interval					
						Save

#### • IP Camera Time Setting

Step1: Go to Advanced CFG \rightarrow System Setting \rightarrow Time Setting \rightarrow IPC Check Time

Step2: Configure the time.



## 14.2 Manage User Account

The Administrator user name is admin and the password is set when you start the device for the first time. The Administrator has the

permission to add and delete user and configure user parameters.

Preview Playback	nt Search	IVR 5.0	<b>ا</b> ب ا	👅 🚓 🛱 🤋	11:01:46 2021-04-10
Al intelligence					*
Channel Setting		User Name		User Type	
Video capture		admin		Administrator	
Alarm Management		default		default	
Disk Manager					
S Network management					
🔯 System Setting					
Time Setting					
User Management					
Device Setting					
🔀 Maintenance					
		Uzer Rightz	Delete Uzer Add Uzer	Modify Uxer	recover PW

#### • Add a User

Steps:

Step1: Go to Advanced CFG $\rightarrow$ System Setting $\rightarrow$ User Management.

Step2: Click Add User to enter the operation interface.

	Add User	×
User Name		
User Name		
Password		
Confirm Password		
User Type	Operator	~
OK	Cancel	

Step3: Enter the user name, password and select the User Type, then click OK.

• Set the Permission for a User:

For the added user, you can assign the different permission, including the local and remote operation for the device.

Steps:

Step1: Go to Advanced CFG→System Setting→User Management.

Step2: Select a user from the list and then click the User Right to enter the permission settings interface.

					User Rights					5
	Local Permis			Parameter Se   Shutdown / Re		Local Channel	Management	📃 Local Bidir	rectional-Talk	
Remote Permission Remote Log Search Remote Parameter Setting Remote Channel Management Remote Serial Port Con Remote Biddrectional-Talk Remote Senior Management Remote Schuldown / Reboot									itrol	
	Multi-Channe	l Config			Pr	eview				
	Preview									
		1	2	🗹 З	4	5	6	7	8 💟	
	CH1 - 16	9	10	11	12	13	14	15	16	
				0	к (	Cancel				

Step3: Set the operating permission of local configuration, remote configuration and camera configuration for the user.

Edit the Operator /Guest User

You can edit the user information, including user name (except for default user), password, user type.

Steps:

Step1: Go to Advanced CFG $\rightarrow$ System Setting $\rightarrow$ User Management.

Step2: Select a user from the list and click Modify User.

Step3: Edit the user information as demand, including the new password and user type.

	Modify User	
User Name		
Password		
Confirm Password		
User Type	Operator 💙	
	OK Cancel	

Delete a User

The admin user account has the permission to delete the operator /guest user account.

Step1: Go to Advanced CFG \rightarrow System Setting \rightarrow User Management.

Step2: Select a user from the list.

Step3: Click Delete User to delete the selected user account.

## 14.3 Device Parameters Setting

## Basic Setting

Steps:

Step1: Go to Advanced CFG $\rightarrow$ System Setting $\rightarrow$ Device Setting $\rightarrow$ Basic Settings.

Step2: Edit the Device ID or Device Name when needed.

Step3: Select the Language, Main display resolution and Automatic Logout Time accordingly.

Step4: Click Save to activate the settings.

Preview Playback	IP Camera Advanced CFG	Smart Search	IVR 5.0	y 🖣 🗑 🚓 🚓 💆 n 11:04:38 2021-04-10
Al intelligence	Basic settings Advanced	Setting RS485 Device		×
Channel Setting				
🕂 Video capture		0		
Alarm Management	Device Name Language:	English		
Disk Manager	Main display resolution	1920×1080-P60		
E Network management		0min 👻		
🔯 System Setting				
Time Setting				
Uzer Management				
Device Setting				
🔀 Maintenance				
				Save

## Advanced Settings

User can do the advanced parameters settings for the device.

 $Step1: Go \ to \ Advanced \ CFG \rightarrow System \ Setting \rightarrow Device \ Setting \rightarrow Advanced \ Settings.$ 

Preview Playback	IP Camera	Smart Search	IVR 5.0	⊉ ∢ ≡	
Al intelligence	Basic settings Advanced	Setting RS485 Device			*
Channel Setting					
Video capture	Info Display Instant Playback	Channel No.0SD+IP  Smin			
Alarm Management		Main Stream+Sub Stream			
Disk Manager	Auxiliary User	Enable Off			
E Network management	Guide System mode	Enable      Off     IsDigital(SMP/D1) + 16Preview + SPlayback + Face recogni	ition		
System Setting	Face application scenarios	Face comparison:Maximum accessbefore4roadComparison	machine,Front comparison		
Time Setting		photos from videos and identify according to the list of people			
User Management	Mouse Speed	Lowest 💦 👘	Fastost		
Device Setting					
🖌 Maintenance					
			×		
					Save

Step2: Edit the Advanced parameters as demand.

Step3: Click Save button to activate the settings.

🖈 1 📴 🎝 📩 🙀 IVR 5.0 🔮 🕫	i 🔥	÷.	ē O	11:05:20 2021-04-10
				×
A intelligence         Basic settings         Advanced Setting         BB3455 Device				
Channel Setting				
12 Video capture Vorting Mode None				
Aurm Management				
Tit Manager				
E Network management				
🔅 Bystem Setting				
Time Setting				
User Management				
Davies Satling				
🔀 Maintenance				
영상 전 그는 것은 이 집에 가장했다. 영상 방법을 받았는 것이 같은 것이 없다. 것이 같은 것이 없다. 것이 같은 것이 없다. 것이 같은 것이 없다. 것이 없는 것이 없다. 것이 없다. 것이 없다.				
			×	
요즘 이는 것 같아요. 가지는 것 같아. 정말 정말 것 같아. 정말 것 같아. 안 했다. 안 했다.				
에는 그는 것 같은 것 같				
				Save

## RS485 Device

# 15 System Maintenance

## **15.1 System Information**

#### • Device Information

 $User \ can \ view \ the \ device \ information \ by \ click \ Advanced \ CFG \rightarrow Maintenance \rightarrow System \ Information \rightarrow Device \ Information.$ 

Pr	eview Playback		art Search	IVR	5.0	🍨 剩 👅 🚓 🚓 🖳	<b>11:06:54</b> 2021-04-10
<b>e</b>	Al intelligence	Device Information Online Us	er				×
13	Channel Setting						
댜	Video capture	Firmware Version Version Description	2.1.0 2021-03-05 Official Version	Device Serial No. HDD Number	02o500020013df385fcc		
۰	Alarm Management	Kernel version information	3.18.20	Alarm Input No.			
	Disk Manager	Face detection algorithm version	v4.0.0	Alarm Output No.			
ø	Network management	Face recognition algorithm version	v2.0_18_11_05 v2_0		mini		
\$	System Setting	Face Model Infomation	v2.0_18_11_05				
Ж	Maintenance						
	System Information						
	Log Information						
	Upgrade maintenance						
				×			

#### • Online User Information

User can view the online user by click Advanced CFG→Maintenance→System Information→Online User.

Preview Playback	IP Camera Advanced CFG Smart Search		IVR 5.0	<b>⊉</b> ∎i i	■ 🚓 🖶 🖷 🏚 11:07:53 2021-04-10
Al intelligence	Device Information Online User				×
Channel Setting	Device information				
	No.	User Name	Login Time	Login IP	Login Type
Video capture	1	admin	2021-4-10 9:59:17	127.0.0.1	Local
Alarm Management					
Disk Manager					
Network management					
🛱 System Setting					
🔀 Maintenance					
System Information					
Log Information					
Upgrade maintenance					
					Refresh

## 15.2 Search & Export Log Files

The operation, alarm, exception and information of the device can be stored in log files, which can be viewed and exported at any time.

#### Search the Log Files

Steps:

Step1: Go to Advanced CFG $\rightarrow$ Maintenance $\rightarrow$ Log Information.

Step2: Set the log search conditions, including the time, Main Type and Sub Type.

Step3: Click Search to start search log files. The matched log files will be displayed on the list shown below.

Preview Playback	IP Camera Advance			IVR 5	5.0		ę	• • • • • •	<b>₽ 0</b> 1	1:08:1 2021-04-1
Al intelligence Channel Setting	Main Type Start Time	All Type 2021/04/10 00:00:00	Y Sub Type	All Sub Type 2021/04/10 23:59:59	T CH	All Channe	da d	>		*
Video capture	Export All Log No.	Log Time	Export Query Main Type	Results Sub Type	Child Type	Search CH	User	Login Address	Describe	Play
Alarm Management										
Disk Manager										
Network management										
System Setting										
Maintenance										
System Information										
Log Information										
Upgrade maintenance										
										*

#### Export the Log Files

Steps:

Step1: Connect a storage device to your device.

Step2: Search the log files. Refer to the last chapter Search the Log Files.

Step3: Select the log files you want to export, and click Export.

#### 15.3 System Maintenance

#### • Upgrade System

The firmware on your device can be upgraded by local backup device.

Steps:

Step1: Connect your device with a local storage device with update firmware file.

Step2: Go to Advance CFG $\rightarrow$ Maintenance $\rightarrow$ Upgrade maintenance $\rightarrow$ IVR upgrade.

Step3: Click Browse to select the firmware file from the local storage device.

Step4: Click Upgrade to start upgrading.

Step5: After the upgrading is complete, the device will reboot automatically to activate the new firmware.

Preview Playback	IP Camera Advanced CFG	IVR 5.0	y 🖣 👅 🚓 📩 🖳 🗿 11:09:19 2021-04-10
Al intelligence	IVR upgrade Auto Maintenance Config Management		*
Channel Setting			
Uideo capture	Online upgrade (this function needs to be connected to the hard disk ar	nd connected to the WAN to support)	
Alarm Management	The latest version Currently the latest version	Testing	
Disk Manager	USB upgrade (select the upgrade package file in the U disk to upgrade		
Detwork management	Upgrade File	Browse Upgrade	
System Setting			
🔀 Maintenance			
System Information			
Log Information			
Upgrade maintenance			

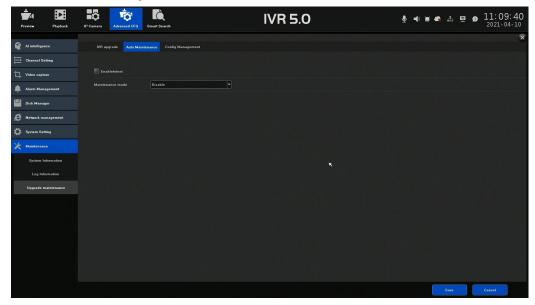
#### • Auto Maintenance

Steps:

Step1: Go to Advance CFG $\rightarrow$ Maintenance $\rightarrow$ Auto Maintenance.

Step2: Select the maintenance mode.

Step3: Click Save to activate the setting.



#### • Import/Export Device Configuration Files

The configuration files of the device can be exported to local device for backup; and the configuration files of one device can be imported

to multiple devices if they are to be configured with the same parameters.

Connect a storage device to your device. For importing the configuration files, the storage device must be with the file.

Steps:

Step1: Go to Advanced CFG  $\rightarrow$  Maintenance  $\rightarrow$  Config Management.

Step2: Import or export the device configuration files.

Click Export Configuration to export configuration files to the selected local backup device.

To import a configuration file, select the file from the selected backup device and click the Import button.

Preview Playback	IP Camera Advanced CFG Smart Search	IVR 5.0	y 🖣 👅 🚓 🚓 👳 n 11:10:02 2021-04-10
Al intelligence			· · · · · · · · · · · · · · · · · · ·
Al intelligence	IVR upgrade Auto Maintenance Config Management		
Channel Setting			그는 것 같이 물질 것 같은 것 같은 것 같이 것 같이 것 같이 것 같이 것 같이 것 같이
Video capture	Export Configuration		
Alarm Management	Import Configuration		동물건 16 전 19 전
Disk Manager	Restore Default		
Network management			그 방법 것에 지갑했다. 것 같아요. ^^
🗱 System Setting			n Berlinde Strategiere
🔀 Maintenance			
System Information			5 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Log Information			영요님 이 것 같은 것을 것 같아. 것 같은 것 같아.
Upgrade maintenance			

## • Restore Default Settings

Steps:

Step1: Go to Advanced CFG $\rightarrow$ Maintenance $\rightarrow$ Config Management.

Step2: Select the restoring type.

Note:

The device will reboot automatically after restoring to the default settings.

## 16 Smart Search

## **16.1 Face Picture Retrieval**

#### Search All Picture records

You can search all the face picture of the channel in a duration time.

Step1: Go to Smart Search→Face Search.

Preview Playb		IVR 5.0	y 🖣 👅 🚓 🚓 🛤 n 11:10:21 2021-04-10
🔮 Smart Search			*
Face Search	Select CH 🔽 All		
Smart znapzhot			
Playback inapited			
	Start Time 2021/04/10 00:00:00	ad Time 2021/04/10 23:59:59	
	Search method 💿 All records 💿 membe Retrieve all face photos		
			Search

Step2: Select the channel to search the face picture records.

Step3: Configure the Start Time and End Time.

Step4: Check All Records.

Step5: Click Search to start searching the face pictures.

Search by the Member List

Step1: Go to Smart Search $\rightarrow$ Face Search.

Step2: Check Member List.

Select CH 🛛 🗹	AII					
CH1 - 4	1 🗹 2	<b>⊠</b> 3 <b>№</b> 4				
Start Time 202	1/04/10 00:00:00		End Time	2021/04/10 23:	59:59	
Search method	All records	🔘 men		Local List		) External photos
Name list type	Vhitelist 🔽	📕 Blacklist	Stranger			
Temperature sc	🔽 Enable	Abnormal terr	operature	Normal temp	erature	Not detected
Mask screening	🔽 Enable	Mask is not w	rorn 🔘 M	ask is worn	Not detecte	ed

Step3: Select the Name List Type.

Step4: Select a channel to search face pictures.

Step5: Configure the Start Time and End Time.

Step6: Click Search to start searching the face pictures.

Search by Personal Name or ID

Step1: Go to Smart Search $\rightarrow$ Face Search.

Step2: Check Local List.

		2021/04/10 23:59:59	
	member list high similarity to the entered face template ; the easier it is to miss the detection, the Jower the similarity the template is 00	🖲 Local List	External photos
it query method Query by group			
Number	Name	Describe	

Step3: Select a channel to search face pictures.

Step4: Configure the Start Time and End Time.

Step5: Configure the Sililarity value.

Step6: Select List Query Method and enter the information accordingly.

Step7: Click Search to start searching the face pictures.

## Search by Uploaded Picture

Step1: Go to Smart Search $\rightarrow$ Face Search.

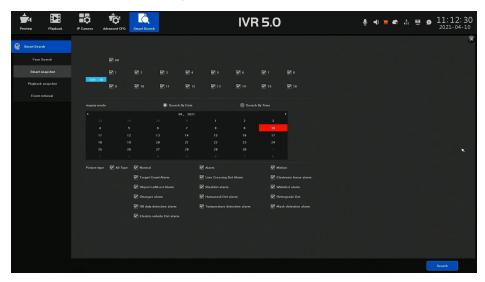
Step2: Check External Photos.

Start Time 2021/04/10 00:00:00	End Time	2021/04/10 23:59:59	
Search method 🛛 🔘 All records	🔵 member list		External photos
Similarity 80			
Similarity 80 The			
		Face template	

- Step3: Select a channel to search the face pictures.
- Step4: Configure the Start Time and End Time.
- Step5: Configure the Similarity value.
- Step6: Connect a USB storage with face picture to the device.
- Step7: Click Import Picture to select the face picture from the USB storage device.
- Step8: Click Search to start searching the face picture.

## **16.2 Search Picture by Smart Snapshot**

Step1: Go to Smart Search $\rightarrow$ Face Search $\rightarrow$ Smart Snapshot.



Step2: Select a channel to search the smart snapshot pictures.

Step3: Select the Inquiry Mode, search by date or search by time.

Step4: Select the Picture Tpye.

Step5: Click Search to start searching the face pictures.

## 16.3 Search Picture by Playback Snapshot

Step1: Go to Smart Search→Face Search→Playback Snapshot.



Step2: Select a channel to search the smart snapshot pictures.

Step3: Select the Inquiry Mode, search by date or search by time.

Step4: Click Search to start searching the face pictures.

## 16.4 Event Retrieval

The operation, alarm, exception and information of the device can be stored in log files, which can be viewed at any time. Steps:

Step1: Click *Smart Search→Event Retrieval,* to enter the event search interface.

Step2: Set the log search conditions, including the time, channel and event type.

Step3: Click Search to start search log files.

The matched log files will be displayed on the list shown below.

Preview Playback	IP Camera Advanced CFG Smar	C 1 Search	IVR 5.0	<b>§</b> 4	👅 🚓 🚓 🖼 🙍 🗊 11:13:44 2021-04-10
Smart Search					×
Face Search	Event type All event types	V CH All channels			
Smart snapshot	Start Time 1970/01/01 00:00:00	End Time 2021/04/10	23:59:59 Search		
Playback snapshot		Alarm time	Туре		Play
Event retrieval		2021-04-10 10:25:37	Video Loss Alarm Disappear	сні	®
		2021-04-10 10:25:29	Video Loss Alarm Happen	сні	©
		2021-04-10 10:00:23	Video Loss Alarm Disappear	СН1	©
		2021-04-10 10:00:14	Video Loss Alarm Happen	СН1	©
		2021-04-09 17:56:06	Video Loss Alarm Disappear		Ð
		2021-04-09 17:55:57	Video Loss Alarm Happen	СН1	®
		1970-01-01 08:01:39	Video Loss Alarm Disappear	СН1	®
		1970-01-01 08:01:30	Video Loss Alarm Happen	СН1	l
		2021-04-08 14:38:56	Video Loss Alarm Disappear	СН1	e
		2021-04-08 14:38:41	Video Loss Alarm Happen	СН1	©
		2021-04-08 14:21:23	Video Loss Alarm Disappear	CH2	e
		2021-04-08 14:20:49	Video Loss Alarm Happen	CH2	D
		2021-04-08 14:18:24	Video Loss Alarm Disappear	СН1	©
		2021-04-08 14:18:10	Video Loss Alarm Disappear	СН2	©
		2021.01.00.11.12.12		010	
					Total 4463 Item 📕 ┥ 1/298 🕨 📕