NIVIS

User Manual



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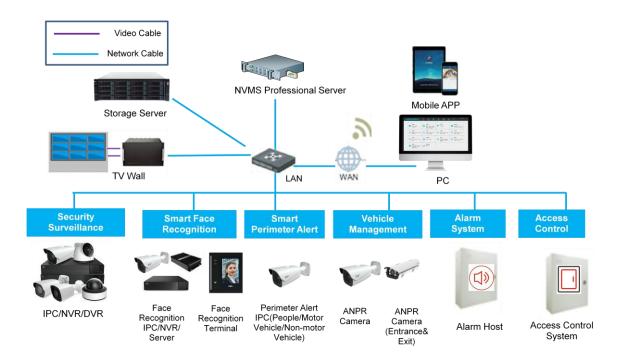
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1 Introduction

1.1 Introduction

1.1.1 Summary

NVMS Professional is a newly integrated security management platform released by our company, seamless access to all products of our products and encoding devices of the famous manufacturers in the industry (like Hikvison, Dahua, etc.). With the powerful capability of video surveillance management, real-time preview, record storage, record playback, record download, alarm linkage, decoding on TV Wall, keyboard control, vehicle entrance and exit management as well as intelligent analytics are supported. Moreover, multi-subsystem of the third party in the security surveillance industry can be accessed to this platform, such as alarm system, access control system, visual talk-back system, one-key alarm system, e-fence and so on. Additionally, due to its open system architecture, its SDK/OCX can be provided to the third party for secondary development. Therefore, NVMS Professional can meet the client's demands of centralized multi-subsystem management and multi-business convergence and can be widely used in the video surveillance of industrial park, education, banking, chain stores and buildings.



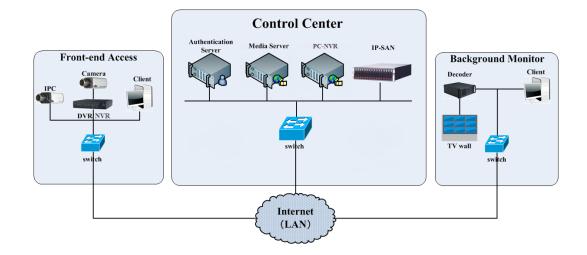
1.1.2 Software Architecture

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Application Layer	C/S Client B/S Client Mobile Phone The Third Party System
Business Layer	Decode to TV Wall Record Playback E-Map Alarm Voice Talk
Platform Layer	Authentication ServerConfiguration Management CenterMedia Transfer ServerMonitor ClientPC-NVR
Access Layer	IPC NVR TVI-DVR AHD-DVR Analog DVR

1.2 System Components

1.2.1 System



1.2.2 Front-end Access

- Front-end devices include IPC, DVR and NVR.
- You need to connect monitor devices such as IPC, DVR and NVR to internet through hubs or routers accessed by Cat5 or Cat5e cables (less than 100 meters) or optical fiber.
- Run monitor client through local PC to configure the local video monitor, monitor devices and so on.

1.2.3 Background Monitor

- Background monitors include TV Wall Client, Configuration Management Center and Monitor Client.
- You can setup the real-time image of display devices, these display devices including TV-Wall (decoding images to show on the TV-Wall through video decoder), digital display screen and so on.

• Run monitor client through local PC to view, playback and remotely configure and manage the real-time video of front-end monitor devices.

1.2.4 Control Center

• In the control center, configure servers including authentication server and media transfer server to realize various service, such as,

device authentication(including Web), video transmission, image storage, alarm handling, etc.

- In the control center, add IP-SAN storage array to realize centralized storage.
- In the control center, connect servers and IP-SAN storage array to internet through switches.
- We take the following IP addresses for example in this manual. (Please set up IP addresses in accordance with the actual situation) :

No.	Server	Server Function	
1	1 Authentication server Authenticate devices (including Web)		192.168.50.3
2	Media transfer server	Transfer images	192.168.50.4
3	Storage Server PC-NVR	Store videos	192.168.50.5
4	Storage Server IP-SAN	Store videos	192.168.50.6

Note: If servers are installed in the same PC, these servers shall have the same IP address.

1.3 Version

Version	Signal access on trial	Average signal access	Max signal access
NVMS v2.1	32 channels video signals	300-400 channels video signals	30000-ch video signals

2 Configuration Requirement

2.1 Software and Hardware Configuration Requirement

2.1.1 S&H Config Requirement for Control Center

No.	NVMS components Recommendation for hardware configuration		Recommendation for software configuration	Number	
1	Authentication Server (including Web Server/Alarm Server/E-Map Server)	Inter(R) Core(TM)i3 3.40GHz or above/4GBMemory/500GB SATA/2×1000M NICs	Windows Server 2016-64bit /Windows Server 2012-64bit /Windows Server 2008(32bit\64bit) /Windows Server 2003(32bit\64bit)	1	
2	Intelligent Server	Inter(R) Core(TM)i5 7500 3.0GHz or above/ 4GBMemory/500GB SATA/2×1000M NICs	Windows Server 2016-64bit /Windows Server 2012-64bit /Windows Server 2008(32bit\64bit) /Windows Server 2003(32bit\64bit)	As needed	
3	Media Server	Inter(R) Core(TM)i3 3.40GHz or above/4GBMemory/500GB SATA/2×1000M NICs	Windows Server 2016-64bit /Windows Server 2012-64bit /Windows Server 2008(32bit\64bit) /Windows Server 2003(32bit\64bit)	It depends on the video format and the number of channel viewing simultaneously	
4	Storage Server	Inter(R) Core(TM)i3 3.40GHz or above/4GBMemory/500GB SATA/2×1000M NICs	Windows Server 2016-64bit /Windows Server 2012-64bit /Windows Server 2008(32bit\64bit) /Windows Server 2003(32bit\64bit)	It depends on the video format and the number of channel viewing simultaneously	
5	HDD	Capacity:500GB/1TB/2TB/3TB		It depends on the stream, channel and time of the storage video	
6	IP-SAN	Supports 16/24 SATAs		It depends on the number of the HDD	

Tips:

Configuration of face detection/recognition cameras: It is recommended to set the default capture mode to "Security Monitoring" or self-define the snapshot interval to more than 1 second. The number of the captured face pictures of all added face detection or recognition cameras uploaded to the platform cannot exceed 1000 pictures per minute.

2.1.2 S&H Config Requirement for Backgrounding Monitor

No.	NVMS components	Recommendation for hardware configuration	Recommendation for software configuration	Number
1	Monitor Client	Inter(R) Core(TM)i3 3.40GHzor above/4GB DDR3/NV GT430 or AMD HD 6570 or above, above 512MB GDDR5 Memory (multi-screen : 1GB GDDR5 memory) /500GB SATA/100M NIC	Windows 7 SP1 32bit/64bit Professional/Ultimate Windows 8 32bit/64bit Professional Windows 10 32bit/64bit Professional	As required by user

The recommended 64-bit hardware configurations are as follows.

No.	NVMS components	Recommendation for hardware configuration	Recommendation for software configuration	Number
1	Monitor Client-64bit	Inter(R) Core(TM)i5-64002.70GHz or above /16GB DDR3/Intel HD Graphics 530 2GB or above/ NVIDIA GeForce GTX 1060 6GB or above , (multi-screen : 2GB GDDR5memory) /500GB SATA/Gigabit NIC	Windows 7 SP1 64bit Professional/Ultimate Windows 8 64bit Professional Windows 10 64bit Professional	As required by user

2.2 Requirement for Firewall

In order to ensure the network security, it is necessary for the system to setup firewall. All monitor ports shall be opened in the installed servers. The open ports are as follows:

Server	Port Type	Port
Authentication Server	Internal Port	6003
Http Server	Service Port	8088
	Internal Port	6006
Media Transfer Server	Auto Report Port	2009
Storage Server (PC-NVR/IP-SAN)	Internal Port	6009
Configuration Server	Internal Port	7002
Alarm Server	Internal Port	6033
TV Wall Server	Internal Port	6036
Access Server	Internal Port	6013
Intelligent Server	Internal Port	6069

Note: The above-mentioned ports are the default internal ports of servers. If all these ports are modified, these open ports shall be modified accordingly in the firewall configuration.

2.3 Confirm Installation Environment

Item	Checkup Standard
Hardware	Check whether the hardware meets the standard required. (including CPU, memory, HDD, etc.)
Software	Check whether the software meets the standard required (including the type and version of the operation system, NVMS version, etc.)
Front-end device	Check whether the device access is normal.
Firewall setup	Check whether those open ports of firewall meet the standard required.
Network	Check whether the networks of front-end devices and center equipments are normal.
TCP/IP config	Check whether the settings of IP address, subnet mask, gateway and DNS correct.

3 Install and Uninstall the Software

3.1 Install the software

There are three setups-setups of MySQL, Server and Client.

3.1.1 Install MySQL

Double click MySQL.exe to install.

1) Select "I accept the license terms", Click [Next], select "Custom" and then click [Next];

MySQL Installer		x	MySQL Installer	
MySQL. Installer Adding Community	License Agreement To proceed you must accept the Oracle Software License Terms.		MySQL. Installer Adding Community	Choosing a Setup Type Please select the Setup Type that suits your use case.
License Agreement Choosing a Setup Type Installation Installation Complete	GNU GENERAL FURICL LICENSE Version 2, June 1991 Copyright (C) 1980, 1991 Free Software Foundation, Inc, 51 Frankin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribut verbalitim copies of this license document, but changing it is not allowed. Premible ====================================	* III	License Agreement Choosing a Setup Type Select Products and Features Installation Installation Complete	 Developer Detault Install: all products needed for biology. Developer Detault (biology. Developer Deve

2) Select MySQL Servers, unfold it and select "MySQL Server 5.7". Click ↓ to add it. Then click [Next]→[Execute];

MySQL Installer		MySQL Installer	
MySQL. Installer Adding Community	Select Products and Features Please select the products and features you would like to install on this machine.	MySQL. Installer Adding Community	Installation Press Execute to upgrade the following products.
License Agreement Choosing a Setup Type Setet Products and Features Installation Product Configuration Installation Complete	Filter: Edit Add Software, Current Bundle, Any Edit Consider and Software, Current Bundle, Any Edit MaySQL Servers Products;/Features To Be Installed: Products;/Features Products;/Features MaySQL Servers Products;/Features MaySQL Servers Products;/Features MaySQL Servers Products;/Features MaySQL Servers Products;/Features Products;/Features Products;/Features MaySQL Servers Products;/Features MaySQL Servers Products;/Features Products;/Features Products;/Features Products;/Features Products;/Features Products;/Features <th>License Agreement Choosing a Setup Type Select Products and Features Installation Product Configuration Installation Complete</th> <th>Product Status Progress Notes Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install or Update the following packages Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4</th>	License Agreement Choosing a Setup Type Select Products and Features Installation Product Configuration Installation Complete	Product Status Progress Notes Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4 Ready to Install or Update the following packages Image: MySQL Serier 57.3.4 Image: MySQL Serier 57.3.4

3) Click [Next] \rightarrow [Next], as shown below.

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MySQL Installer		MySQL Installer	
MySQL. Installer Adding Community License Agreement Choosing a Setup Type Select Products and Features Installation Product Configuration Installation Complete	Installation Press Execute to upgrade the following products. Product Status Progress Notes NySQL Server 57.34 Complete Show Details > < Back Next > Cancel	MySQL: Installer Adding Community License Agreement Choosing a Setup Type Select Products and Features Installation Product Configuration Installation Complete	Product Configuration We'll now walk through a configuration wizard for each of the following products. Use of the following products. Image: Status for each of the following products. MySQL Server 5.7.14 Ready to Configure Image: Status for each of the following products.

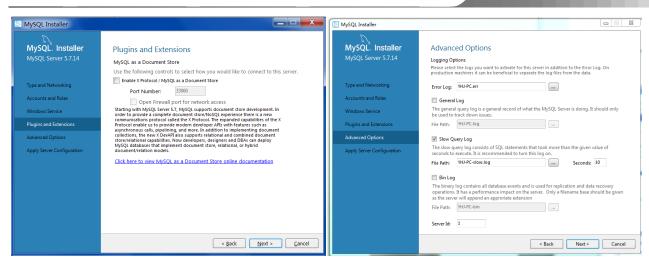
4) Check "TCP/IP", "Open Firewall port for network access" and "Show Advanced Options" as shown below. Then enter MySQL Root Password, a minimum of 4 letters.

MySQL Installer		MySQL Installer	
MySQL Installer MySQL Server 5.7.14 Type and Networking Accounts and Roles Windows Service Plugins and Extensions Advanced Options Apply Server Configuration	Type and Networking Server Configuration Type Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server Configuration Type Configuration Type Conscrivity Use the following controls to select how you would like to connect to this server. If CP/IP Port Number: 3306 Open Firewall port for network access Shared Memory Memory Name: MYSQL Advanced Configuration Select the checkbox below to get additional configuration page where you can set advanced options for this server instance.	MySQL. Installer MySQL Server 5.7.14 Accounts and Roles Type and Networking Account Plassword: Enter the password for the root account. Please remember MySQL Root Password: Accounts and Roles Windows Service Password: Plugins and Extensions Advanced Options MySQL User Accounts	Accounts and Roles Root Account Password Enter the password for the root account. Please remember to store this password in a MySQL Root Password Repeat Password Password minimum length: 4 MySQL User Accounts Create hySQL user accounts for your users and applications. Assign a role to the user that Constant of a ver of physicipation.
	Advanced options for this server instance.		<pre></pre>

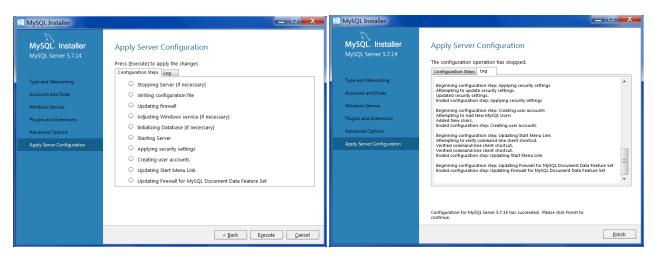
Click [Add User] to set username and password. To avoid forgetting, please enter "root" and the above password. Then click [OK]→[Next];

MySQL Installer		MySQL Installer	
MySQL. Installer MySQL Server 5.7.14 Type and Networking	Accounts and Roles Root Account Password Enter the password for the root account. Please remember to store this password in a WySQL User Details Root Planse Username. password, and database role. Username rest Host Guil Kests (0) Role Planse Authentication 9 MySQL Password rele to the user that	MySQL Installer MySQL Installer MySQL Server 5.7.14 Type and Networking Accounts and Roles Windows Service Plugins and Extensions Advanced Options Apply Server Configuration	Windows Service Configure MySQL Server as a Windows Service Windows Service Details Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance. Windows Service Name: MySQL Server at System Startup If Start the MySQL Server at System Startup Run Windows Service as The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.
	Confirm Password Otrength: Parsword Strength: QK Cancel Center Cen		 Standard System Account Recommended for most scenarios. Custom User An existing user account can be selected for advanced scenarios. scenarios. scenarios. scenarios. scenarios. www.scenarios. www.scenarios.com www.scenarios.com www.scenarios.com www.scenarios.com <

6) Click [Next] to go to "Advanced Options" interface. Please set according to the following picture. Then Click [Next];



7) Click [Execute] \rightarrow [Finish];



8) Click [Next] \rightarrow [Finish].

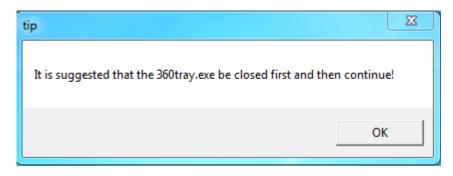
MySQL Installer		MySQL Installer	
MySQL. Installer Adding Community	Product Configuration We'll now walk through a configuration wizard for each of the following products.	MySQL. Installer Adding Community	Installation Complete The installation procedure has been completed.
License Agreement	You can cancel at any point if you wish to leave this wizard without configuring all the products.	License Agreement	Copy Log to Clipboard
Choosing a Setup Type	Product Status MySQL Server 5.7.14 Configuration Complete.	Choosing a Setup Type	
Select Products and Features	MySQL Server 5.7.14 Configuration Complete.	Select Products and Features	
Installation		Installation	
Product Configuration		Product Configuration	
Installation Complete		Installation Complete	
	٠		
	Next > Cancel		Einish

3.1.2 Install Server

1) Double click "NVMS server.exe". Select the UI language as needed.

ſ	NVMS S	erver - InstallShield Wizar	d	×
	ځ	Select the language for the	installation from the choi	ces below.
		English (United States)		\sim
			ОК	Cancel

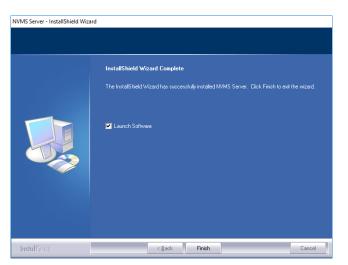
2) A tip will pop up to suggest you to close the antivirus software.



3) Click [Browse] to select the installation location and then click [Next].

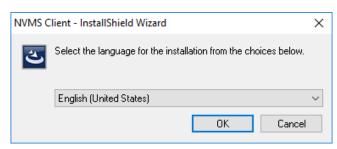
VMS Server - InstallShield Wizz Choose Destination Locatio Select folder where setup will in	n	×
	Setup will install NVMS Server in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
	Destination Folder C.\Program FilesWVMS Server\ Bjowse	
InstallShield	< Back Next > Cancel	

4) Check "Launch Software" as needed and then click [Finish]".

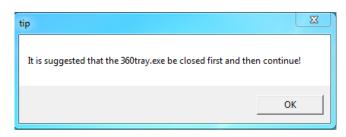


3.1.3 Install Client

1) Double click "NVMS Client setup.exe" and then select the UI language as needed.



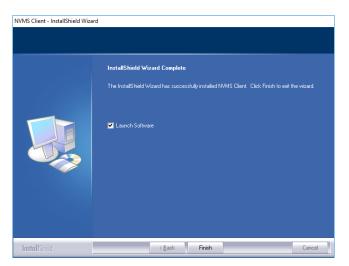
2) A tip will pop up to suggest you to close the antivirus software.



3) Click [Browse] to select the installation location and then click [Next].

NVMS Client - InstallShield Wizard		×
Choose Destination Location Select folder where setup will insta	al files.	
	Setup will install NVMS Client in the following folder.	
	To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
	Destination Folder C.\Program Files\NVMS Client\ Browse	
InstallShield	Cancel	

4) Check "Launch Software" as needed and then click [Finish]".

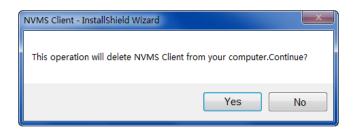


3.2 Uninstall Software

If the new version needs to be installed or there is no need to use this software, this software can be uninstalled. It is strongly recommended to back up the configuration data before installing the new version of NVMS.

The uninstallation steps of the Server are similar to the uninstallation of the client.

Click "Start" \rightarrow All Programs \rightarrow NVMS Server \rightarrow Uninstall to pop up the following wizard. Click "Yes" to confirm.



Then click "Finish" button to completely uninstall Authentication Server.

NVMS Client - InstallShield Wi	ard
	Uninstall Complete
	InstalShield Wizard has finished uninstalling IWMS Client.
InstallShield	< Back Finish Cancel

4 Login

4.1 Run Servers

Before logging onto the client, please ensure all servers are working normally. Having been installed successfully for the first time, the server tray will minimize on the taskbar of the computer. Double click the server tray icon to pop up the server tray interface. You can also right click the server tray icon and select "Display main interface to pop up the server tray interface as shown below.

	ServerTrayUI			server tray	vil minimize	
		Server	Status	Set	Port	Configure
	Stop All	Management Server	Running	Stop	6003	Apply
		Database Server	Running			Configure
	Reboot All	Configuration Server	Running	Stop	7002	Apply
		HTTP Server	Running	Stop	8080	Apply
		Transfer Server	Running	Stop	6006	Configure
	10.20.52.7	Storage Server	Running	Stop	6009	Apply
		Alarm Server	Running	Stop	6033	Apply
	System Time	Access Server	Running	Stop	6013	Apply
	System mile	TV Wall Server	Running	Stop	6036	Apply
	Total running time:	Intelligent Analysis Server	Running	Stop	6069	Apply
	0(d)0(h)18(m)16(s)					
Display main interface						
Quit						

The working status and port can be checked from the server tray. All servers can be stopped and restarted. Additionally, all server ports can be modified as needed. Click the corresponding port number to modify it and the modified port can be saved automatically after you move your mouse to another place. Moreover, database can be configured by clicking [Configure].

Database Serv	er Configuration 🗙
Address	127. 0. 0. 1
Port	3306
Password	•••••
Test	OK Cancel

Please set up according to the actual network.

4.2 Login

Double click the shortcut icon of "MonitorClient" to run the software as shown below.

	Login		×
User Name	admin		\checkmark
Password	•••••		
Authentication Server	10.20.52.7	▶ 6003	
Remember Pa	ssword	🗌 Auto Login	
Login	Cancel	Rese	et password

- ① Enter username and password (the default username is admin; the default password is 123456).
- ② Enter the IP address and port of the authentication server (the default port is 6003). Check "Remember Password" or "Auto Login" as needed.
- 3 Click [Login].

If you forget the password, please click "Reset password". Then a small window will appear. You can reset the password by answering the

pre-defined questions.

	Reset super administrator password	×
Config Server	127.0.0.1 7002	Search
Problem:		\sim
Answer:		
Problem:		\checkmark
Answer:		
Problem:		\checkmark
Answer:		
1	OK	

If this is the first time for you to log in, please enter the *User Account Setting* interface to change the default password and set the encryption as needed.

After you log in, a record partition setting box will pop up. Please select the desired record storage location. Then click [OK] to save the settings.

Record Partition Setting										
Partition	Partition	Remain Size								
D	183.01GB	118.17GB								
E	182.74GB	127.72GB								
			OK Cancel							

4.3 Main Menu Interface Introduction

NVMS User Manual

		X III Management Live View1	Record Playback	+ 2		1	View System Help – 🗆 🗙
	Live View Ala	Live View Alarm View E-Map Monitoring		rd Playback d Playback By Time Slice By Event g Backup Search Picture d Setting Schedule Setting	E-Map E-Map Setting		
	TV Wall Management TV Wall Setting TV Wall View Task Setting TV Wall System Setting		Resource Management Add, Edit or Delete Device Device Setting Area Setting Channel Group Setting		Account and Permission User Account Setting User Permission Group Setting		
	Alarm Center Alarm Log Al Schedule Settii	arm Linkage ng Manual Alarm Out		n System stem Zone Alarm Linkage	 o	ccess Control Management Ipen the Door Remotely Alarm Linkage og Query E-Map ACS	(>)
Clear List 🗹 Device	Alarm 🖉 Channel Alarm 🖉 Subsy	stem Alarm 🖉 Zone Alarm (Sensor Alarm 🛛 /	Attendance Alarm 🖉 ACS Alarm 🖉 Of	ffline Alarm 🗹	Server Alarm	Unhandled Alarm Number:8
Alarm Time	Alarm Resource	Alarm Type Record Pl Si	napshot Delete	Handling			Î
2019-08-22 15:18:49	a1-64_106	Channel-F	Ū	Unprocess	_		
2019-08-22 15:16:50	a1-64_106	Channel-F	Ū	Unprocess	5		
2019-08-22 15:01:53	123456789112345678921234567893	Channel	Ū	Unprocess			
2019-08-22 15:01:53	123456789112345678921234567893	Channel	Ū	Unprocess			
2019-08-22 15:07:47	A2-194	NO Disk		Unprocess rer Address:10.100.20.240 Port:6020		ne:admin CPU:6% Memory:69%	

There are five parts in the main menu interface. The descriptions of each part are as shown below.

Menu Bar

No.	Description	No.	Description
1	Menu Bar	4	Status Bar
2	Tab Bar	5	Alarm Information Bar
3	Functional Areas		

Tab Bar

Menu	Description
View	"Live View", "Edit live view", "Change home page"
System	Including "Live View", "Record Playback", "E-Map", "TV Wall Management", Resource Management", "Account and Permission", "Alarm System", "Alarm Center", "Access Control Management", "Face Surveillance", "Parking Lot Management", "Face Greeting", "Face Attendance", "Line Crossing Counting", "Record Management", "Operation and Maintenance Management", "Local Management", etc.
Help	Including "User Manual", "Register" and "About NVMS"

Functional area

: click it to view more menus.

Menu	Description
Live View	To view live images and to record, snapshot and talk, etc.
Record Playback	To remotely play the local records or back up records.
E-Map	To manage and display maps, hot spots, etc.

TV Wall Management	To set TV wall and decoding videos on TV Walls
Resource Management	To add, modify or delete areas, devices or servers.
Account and Permission	To add, modify or delete user account and set permissions for these accounts.
Alarm Center	To set alarm linkage and schedule; To search alarm logs.
Alarm System	To set alarm subsystem, zones and linkage of the alarm server
Access Control Management	To open the door remotely or set alarm linkages or view e-map or search log.
Attendance Management	To set alarm linkage or view logs.
Parking Lot Management	To manage vehicles in the parking lot
Face Surveillance	To recognize, compare or search face.
Face Greeting	To welcome visitors based on face recognition technology
Face Attendance	To help to manage staff attendance based on face recognition technology
Line Crossing Counting	To monitor and analyze people/vehicle flow in real time
Operation and Maintenance Management	To search, export and maintain logs.
Local Configuration	To set record path, snapshot path, system startup and maintenance, overload and alarm view.

Other buttons:

Button	Description
-	Click it to hide the interface.
	Click it to zoom in or out the interface.
×	Click to exit the software.
+	Click it to add the live view page.
•	When the tab pages exceed the applicable numbers, this icon will display. Click it to view the hidden tabs.

5 Device Management

5.1 Add Encoding Device

In the main menu interface, click "Add, Edit or Delete Device" to go to the following interface as shown below.

Add, Edit or Delete Device Setting Area Setting Channel Group Setting													
Device Type	Add	Delete	Select Area Se	elect Transfer Server	Select Stora	ge Server	Batch Upgr	ade for IPC	Batch Upgrade	for ANPR Camera	Select SOP	Search	Q
Encoding Device (Online/Total numbe		Edit	Device Name	Turne	Channel	Alarm In	Alarm O	IP Address/IP F	R Port	Select Area	Coloct Transf	Select Storag	Opling St
Decoder (Online/Total number:0/0)		Edit	Device Marrie	Туре	Channel	Alarm In	Alarm O	IP Address/IP F	K Port	Select Area	Select Transi	select storag	Online St
Alarm Host (Online/Total number:0/0)			Device Name	Standard Device	0	32	4	10.20.15.192	6036	default area	Transfer server	Storage server	Online

Click [Add] as shown below.

Device Name	IP Address	ModifyIP	Port	Subnet Mask	Protocol	Version	Device ID
Device Name	10.20.18.38		6036	255.255.0.0	Standard Device	1.4.4	00:18:AE:8D:8E:
IPC	10.20.23.36		9008	255.255.0.0	Standard Device	5.0.1.0	00:18:AE:12:34:
405	10.20.23.79		9008	255.255.0.0	Standard Device	5.0.0.0	00:18:AE:12:34:
IPC	10.20.19.102		9008	255.255.0.0	Standard Device	5.0.2.0	00:84:24:43:0F:
CS63老化勿动	10.20.23.101		9008	255.255.0.0	Standard Device	5.0.0.0	00:18:AE:34:78:
IPC	10.20.23.77		9008	255.255.0.0	Standard Device	5.0.1.0	00:18:AE:56:25:
IPC	10.20.23.8		9008	255.255.0.0	Standard Device	5.0.0.0	00:18:AE:12:34:
IPC	10.20.18.14		9008	255.255.0.0	Standard Device	5.0.2.0	00:18:AE:23:34:

5.1.1 Quickly Add

Click [Refresh] to quickly search devices in the same local network as shown below. Check the device and allocate the transfer server, storage server, area for it. After that, click [OK].

Click "Default password" to set the default username and password of the devices from different manufacturers, such as Hikvision, Dahua, PMS, etc. The default username of the standard device is "admin and the default password of the standard device is "123456".

Note: * The default media transfer server and storage server can be selected when adding devices. Users can also create new media transfer server and storage server in advance (see Add Media Transfer Server and Add Storage Server).

* Area must be set up before adding devices. Click [Add Area] to create an area (See Area Setting).

5.1.2 Manually Add

			Add Encoding	Device				×
Quickly Add	Manually Add Initiativ	ely Report						
IP Address	/IP Range/Domain Name/UR	RL.	Protocol	Port	User Name	Password	Test	Delete
IP Address 🗸 🗸	0 . 0 . 0	. 0	Standard Device	6036	admin			
	Select Transfer Server	Transfer Se	ver V	Select	Storage Server [~	,
	Select Area	🙆 default a	irea 🗸		Create Area	Automatically	Link Area	
						Default passwore	а ок	Cancel

- (1) Enter IP address/IP range/domain name/URL, username and password and choose protocol type.
- ② Click [Test] to test whether the device is connected successfully or not.
- ③ Select transfer server, storage server and area and then click [OK].

Devices can be added in batch by adding IP range.

If "URL" is selected, you shall add the device via RTSP protocol. Enter the URL, username and password of the device and then click [Test] to test whether the device is connected successfully or not.

				Add Encoding	g Device				×
Qı	ickly Add	Manually Add	Initiatively Repo	rt					
	IP Address/IP Range/Domain Name/URL			Protocol	Port	User Name	Password	Test	Delete
URL	~	·		RTSP					
		\$							
<									2
		Select Trans	fer Server Transfe	er Sever 🗸 🗸	Select S	torage Server	storage sever	\sim	
		S	elect Area 🛕 defa	ult area 🗸 🗸		Create Area	Automaticall	y Link Area	
							Default passwo	rd OK	Cancel

How to get URL?

Here we take the IPC of our company for example. Log in to the web client of the IPC and then go to "Config" \rightarrow "Network" \rightarrow "RTSP" interface to configure RTSP.

The default RTSP port is 554 and the URL format is "rtsp://IP or domain name:port/profile1". For example:

rtsp://192.168.1.1:554/profile1. Profile1stands for main stream; profile2 stands for sub stream; profile3 stands for the third stream.

The URL of the device of other companies, please get the URL from its web client or the third-party tools (like ODM).

5.1.3 Initiatively Report

Select the "Initiatively Report" Tab to see the following interface.

						Ado	d Encoding I	Device			×
Qui	ckly A	dd	Manually Add	Initiativ	ely Report						
			Device Number			Protocol	User Name	Password	Delete		
No.		\sim				Standard D…	admin	•••••			
			Select Transf	er Server	Transfer	Sever	\checkmark	Select St	orage Server	storage sever	\checkmark
_			Se	elect Area	🛕 defau	lt area	\sim		Create Area	Automatically Link Are	2a
1										Default password O	K Cancel

- ① Enter the device ID set in the DVR/NVR or IP camera and choose the protocol.
- If the DVR/NVR is needed to add, please go to Network → Platform Access interface of the DVR/NVR. Check "Enable", enter the IP

address and port (default 2009) of the NVMS and then set the device number of the DVR/NVR.

- If the IP camera is needed to add, please go to Network Configuration→Server Configuration of the IP camera. Check "Do you want IP camera to connect Server", enter the IP address and port (default 2009) of the NVMS and then set the device number of the IP camera.
- ② Select the transfer server, storage server, area and then click [OK].

5.2 Modify or Delete Device

After devices are added successfully, they will be listed as below.

	Edit	Device Name	Туре	Channel	Alarm In	Alarm Ou	IP Address/IP Rang.	. Port	Select Area	Select Tran	isfer Se	Select Storage S
		IPC	Standard Device	1	1	1	192.168.250.105	9008	Default area	Transfer	Server	Storage Serve
		A3H-2MP-20-210	Standard Device	1	2	2	192.168.250.210	9008	Default area	Transfer	Server	Storage Serve
ddress/IP Ran	g Port	Select Area	Select Transfer Se	Select Stora	ge Se	Online St	Model	Version	HDD Status	Record St	Alarm Sta	Delete
92.168.250.105	9008	Default area	Transfer Server	Storage S	erver	Online	TD-9523A3-FR	5.0.0.0(1836)		•1	6	Ū
92.168.250.210	9008	Default area	Transfer Server	Storage S	erver	Online	IPC	5.0.0.0(1499)		•	6	

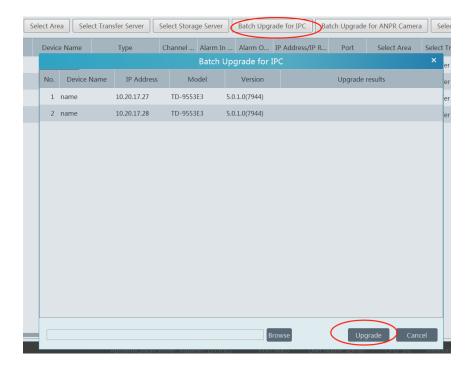
The device channel number, alarm status, online status and record status can be viewed from the above table.

Click Low to modify the IP address, port and so on.

Click ut to delete the added device. Check the devices and click [Delete] to delete devices in bulk.

5.3 Device Upgrade

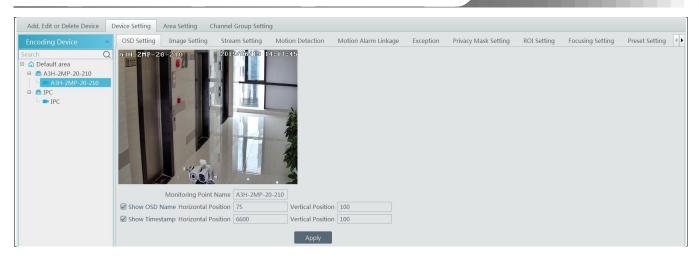
In the "Add, Edit or Delete Device" interface, check the devices you want to upgrade and then click [Batch Upgrade for IPC] to upgrade the firmware of IPC. If you want to upgrade the firmware of ANPR camera, click [Batch Upgrade for ANPR Camera]



Note: When multiple IPCs are upgraded simultaneously, the selected IPCs must be the same series.

5.4 Device Setting

Go to Home \rightarrow Device Setting interface as shown below. In this interface, the parameters of the device can be set up.



Different devices have different menus. Please configure the device according to the corresponding user manual.

5.5 Area Setting

Go to Home \rightarrow Area Setting interface as shown below.

		Create Area	×
Add, Edit or Delete Device Device Setting Add Delete All Empty Area	Area Setting Channel Group Setting	Parent Area	~
Area Name Channel Edit	Delete	The Hume here	
🛕 default area 3	Ū.		
△ 1 12 🗾		OK Cancel	

Click [Add] to go to Area adding interface. Enter area name to create parent area. Then click [OK] to save the settings. To create sub area, click [Add], choose the parent area, enter the area name and click [OK].

Click to modify area; click to delete area.

5.6 Channel Group Setting

Go to Home \rightarrow Channel Group Setting interface as shown below.

Ac	dd Channel Group	×
Channel Group Name Channel Group 1 Dwell Time 1 min		~
Parent Channel Group		~
Selectable Channel	Selected Channel	
🛛 🔲 Default area	δ	
A3H-2MP-20-210		
IPC	×	
Search Q Select All Reve	erse Clear All OK	Cancel

- 1 Click [Add].
- (2) Enter channel group name, channel group and dwell time.
- ③ Select the parent channel group.
- Add channels to the channel group. Check the desired channels and click to add channels; choose the selected channel and click to remove those channels; Click to add all channels; click to remove all selected channels. You can also enter the key words to search the channels and then select them.
- (5) Click [Ok] to save the settings.

Select the added channel group and click to modify the channel; click to delete the channel.

5.7 Add Media Transfer Server

Media transfer server is in charge of the video signal reception of the front-end devices (like IPC) and transfers the signal to the client to view or to the storage server to record. The command of viewing the video of the front-end devices sent by the client or storage server is transferred by the media transfer server to the front-end devices.

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Media Transfer Server.

Add, Edit or Delete Device	Device Setting	Area Setting	Channel Gro	oup Setting							
Device Type	∧ Add	Delete							Search		
Encoding Device (Online/Total nu		Server Name	Device N	Channel	IP Address	Port	Client Co	Authentic	Edit	Delete	
Decoder (Online/Total number:0/	/0)										
Alarm Host (Online/Total number	r:0/0)	Transfer server	4	7	10.20.52.7	6006	Online	Online		Ū.	
Access Control System (Online/To	otal n										
LED Display Device (Online/Total	numl										
Intelligent Analysis Server (Online	e/Tota										
Storage Server (Online/Total num	nber:1										
Media Transfer Server (Online/To	otal nu										
Access Server (Online/Total num	ber:1/										
Alarm Server (Online/Total numb	er:1/1										
TV Wall Server (Online/Total num	nber:1										

Click [Add] to go to media transfer server addition interface. Users can quickly add or manually add media transfer servers.

Select the "Quickly Add" tab and click [Refresh] to quickly search servers in the same local network. Check the desired servers and click [OK] to save the settings.

Select the "Manually Add" tab to go to the media transfer server adding interface. Enter the server name, IP address and port and click [OK] to save the settings.

		Ad	d Media Transfer Server	×
Quickly A	Add Manually Add		Server Quantity:3	Refresh
	IP Address	Port		
	172.16.47.128	6006		
	172.16.47.120	6006		
	192.168.1.22	6006		
L	1			
			ОК	Cancel

Click to modify the media transfer server; click to delete the media transfer server.

5.8 Add Storage Server

Storage server is in charge of the storage of record information, including the information of schedule record, record based on motion alarm, sensor alarm, smart detection alarm (like object removal detection, line crossing detection, etc.), responding to the search and playback of all storage data. It also supports self-defined storage path settings and IP-SAN access. Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Storage Server.

Add, Edit or Delete Device	Device	e Setting	Area Setting	Channel Gro	oup Setting							
Device Type	^	Add	Delete							Search		
Encoding Device (Online/Total Decoder (Online/Total number:			Server Name	Device N	Channel	IP Address	Port	Client Co	Authentic	Record P	Edit	Delete
Alarm Host (Online/Total numb			Storage server	4	7	10.20.52.7	6009	Online	Online	:=		Ī
Access Control System (Online/	/Total n											
LED Display Device (Online/Tot	al numl											
Intelligent Analysis Server (Onli	ne/Tota											
Storage Server (Online/Total nu	umber:1											
Media Transfer Server (Online/	Total nu											

Click [Add] to go to storage server adding interface. Users can quickly add or manually add storage servers.

Select the "Quickly Add" tab and click [Refresh] to quickly search servers in the same local network. Check the desired servers and click [OK] to save the settings.

Select the "Manually Add" tab to go to the storage server adding interface. Enter the server name, IP address and port and click [OK] to save the settings.

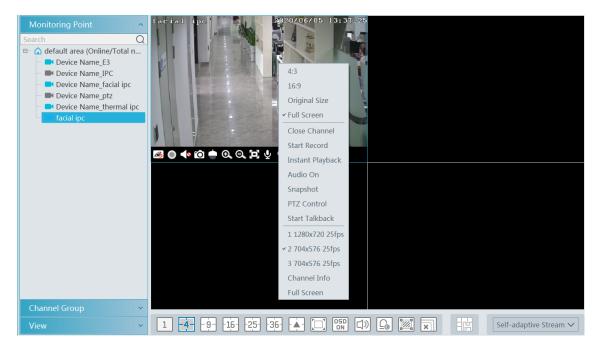
After the storage server is added, click \blacksquare to set record partition. In the record partition setting interface, select the disk and click [OK] to save the settings. Click to modify the storage server; click \blacksquare to delete the storage server.

Note: When the remaining space is less than 14GB, the system will prompt you for the insufficient space.

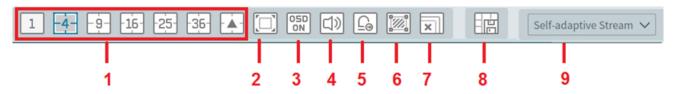
6 Live View

6.1 Live View

Go to Home \rightarrow Live View interface as shown below.



The descriptions of the live view buttons are as follows.



NO.	Description	NO.	Description
1	Screen display mode	6	Show the smart event detection area
2	Full screen	7	Close all preview
3	Enable/disable OSD	8	Save the current view mode
4	Enable/disable broadcast	9	Choose the camera stream
5	Manual alarm output		

Channel stream: main stream, sub stream, third stream and self-adaptive stream can be optional. When the third stream is selected, the system will automatically switch to sub stream if the channel/camera doesn't support the third stream.

Toolbar on the display window:

Button	Description	Button	Description
8	Close image	Ø	3D zoom in
0	Start/stop recording	Q	Zoom in
N	Enable/disable audio	Q	Zoom out
Ó	Snapshot	0	Fit to window

	PTZ control	Ā	Enable/disable talkback
0	Monitoring point setting (camera setting)		

Right-click button function:

Menu	Description	Menu	Description		
Close Channel	Close image	Snapshot	Capture images		
Start Record	Start/stop recording	Start Talkback	Enable/disable talkback		
Instant Playback	Click it to play back immediately	Channel Info.	Display channel name, IP address and the current stream		
Audio ON	Enable/disable audio	Stream	Choose video stream		
PTZ Control	Click it to show PTZ control panel	Full Screen	Display image in full screen		

4:3/16:9/Original Size/Full Screen: screen display proportion; please select it as needed.

6.1.1 View Mode Setting

Users can select the common display mode and self-define the display mode through the buttons on the toolbar. To customize the display mode

(1) Click \frown on the toolbar.

			Customize Screen Mode	e	×
	- 🗰 C1*	Create Save All	Delete Save Nar	ne C1 Row &Co	olumn 4+4 V Merge
Standard Screen Mode:					
-16172125333649-					
-6481- 100					
Wide Screen Mode:					
2 4 6 7 9 12 16					
24 36 48					
Customize Screen Mode:					

② Enter screen display name and select the display row and column. Hold the left mouse button and drag on the screen and then click [Merge] to merge the screens.

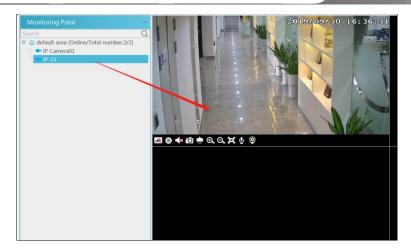
③ Click [Save] to save the settings.

(4) Click [Create] to create a new display screen mode. Click [Save All] to save all customized screen display modes.

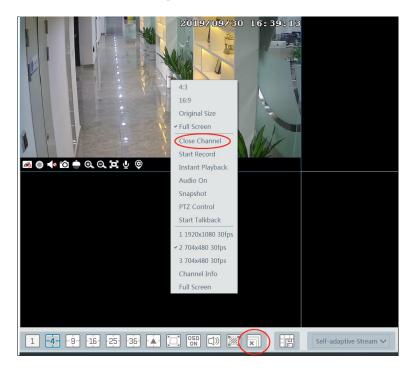
6.1.2 Monitoring Point View

• Start View

To start live view, please drag cameras from the list to the right display window or select a window and then double click the camera. The image can be dragged to any window at random.



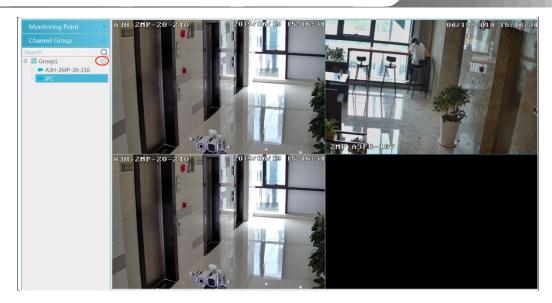
- Stop View
- ① Place the cursor on the live view window to display the menu toolbar and then click stop viewing.
- ② Right <u>click</u> on the live view window and then select "Close Channel" to stop viewing.
- ③ Click on the toolbar of the live view interface to stop all live view.



6.1.3 Channel Group View

• Start Channel Group View

After the channel group is set successfully (See Channel Group Setting), go to live view interface as shown below.



You can start the channel group view as follows.

1. Choose the screen display mode according to the channel number of the channel group. Select a window and then double click the channel group name or dragging the channel group to a window to play all channels in the group.

2. In the current screen display mode, select a window and then click 🙆 beside the channel group name to play all channels of the channel group in this window in sequence.

- Stop Channel Group View
- 1 Place the cursor on the auto-switch window and then click stop viewing.
- ② Right <u>click</u> the auto-switch window and then click "Close Channel" to stop viewing.
- ③ Click on the toolbar of the live view interface to stop all live view.



6.1.4 Plan View

In the live view interface, select "View" on the left menu bar.

					Monitoring	Point ~		Monitoring Point	~
					Channel Gro	oup 🗸		Channel Group	~
					View	^		View	^
		Aome	Live View1*	+	🛄 🎬 Live View ¹	Create View	ן	123456 view1*	
Monitoring Point	~								Create View
Channel Group	~					Modify View			Save View
	~					Delete View			Modify View
🛄 🔛 Live View1*									Delete View

• Add View Plan :

① Right click "Live View 1" and then select "Create View" or click to add a new view plan. Clicking "Create View" to prompt an adding view window. Enter the view name and click [OK] to set view plan.

② Select screen display mode and then drag monitoring points or channel group to each window.

③ Click "View" on the left menu and then right click the newly added view name. Select "Save View" on the pop-up menu to save the view plan or click in on the live view interface to save the view plan.

Double click view name to call the view plan.

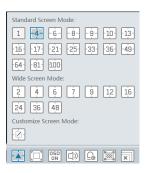
• Modify or Delete View Plan

Select the added view and then right click to prompt a pop-up window. Select "Modify View" or "Delete View" to modify or delete the view plan.

6.2 View Control

• Multi-screen Display

In the live view interface, the screen display mode can be selected as shown below.



• Full Screen Display

In the live view interface, click 🛄 button on the toolbar or right click on the mouse to select "Full Screen" to display the window in full screen mode. Right click on the mouse to select "Exit Full Screen" on the full screen interface to exit full screen.

• Single Channel Display

Double click a window to view in single channel mode. Double click the window again to recover the window.

Audio Broadcast

Click (\square) to bring audio broadcast box as shown below.

The left device list shows the devices that support audio broadcast. Check the device and click [Add] to add the desired broadcast device. Click [Start Broadcast] and then all added device will start broadcast. Select the added device and click [Delete] to delete the device.

		,	Audio Broadc	ast		×	
Device	^	Add	Delet	ndow will stop the audio			
□- □ default area			Device and	Device Type	Status	Delete	
🖵 🔲 Device Name			facial ipc	Standard Device	No Broad		
IP Channel	~	<		Start Br	oadcast End	> Broadcast	
-36- 🔺 🔲 OSD	0				daptive Stream	_	

• Stream Setting

Right click on the live view window to choose video stream. Or select self-adaptive stream or other stream on the toolbar to set the stream for all channels.

To set streams

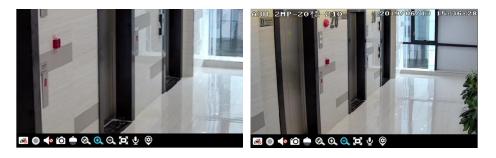
Go to Home \rightarrow Device Setting. Select the device and click "Stream Setting" tab to set streams.

• Audio Control

Right click on the live view window and then choose "Audio On" or click Con the toolbar of the window to enable audio. **Note**: Only one audio can be enabled at the same time. If the audio of one channel is enabled, the former audio will be disabled automatically.

• Zoom In or Out

In the live view interface, click on the live view window to zoom in the window and then drag the image to view the whole image; click to zoom out the image image.

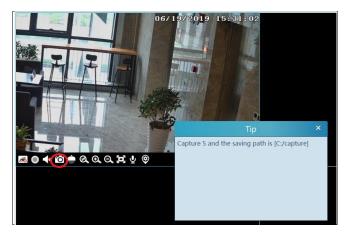


6.3 Snapshot

6.3.1 Snapshot

Select a window in which the video is playing and then click 🖸 on the toolbar of this window or right click on the window and then select "Snapshot". The image number and storage path will be displayed.

Note: Only when the video is playing in the window, will the snapshot succeed.

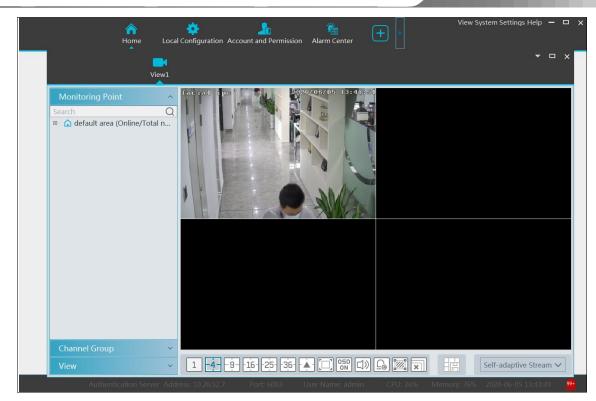


6.3.2 Snapshot Setting

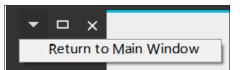
Go to Home→Local Configuration→Record and Snap Setting interface. In this interface, snapshot path and number can be set up.

6.4 Multi-Screen View

In the live view interface, multi-screen view can be realized by holding a tab and dragging it to other monitors (graphics card should support multi-screen output at the same time).



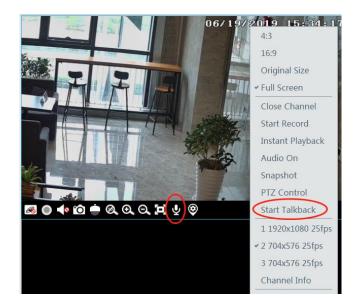
Click on the float window and select "Return to Main Window" to embed this tab in the main interface.



6.5 Talkback

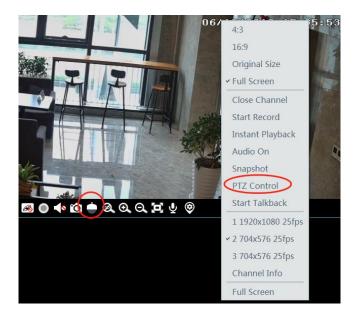
In a live view window, click 💟 on the toolbar of this window or select "Start Talkback" on the pop-up menu by right clicking to enable talkback.

Note: Since the software only allows enabling one device's talk at the same time, the system will stop talking with the current device if a new talk is enabled.



6.6 PTZ Control

Click or right click to select "PTZ Control" to enter PTZ control interface. The directions of PTZ, zoom, focus, Iris, preset, track and cruise can be controlled through PTZ control panel.



7 Record & Playback

7.1 Record Configuration

This software supports many recording types, such as manual recording, schedule recording, motion alarm recording, smart alarm recording, etc.

7.1.1 Manual Recording

In the live view interface, select a channel and then click **o** or right click to select "Start record" to start recording. Click this button again to stop recording.

Note: If a channel is recording, the recording will stop when the viewing window is closed.

7.1.2 Schedule Recording

Go to Home \rightarrow "Record Setting".

Record Setting	Schedule Se	tting		
Area	^	Channel Name	Stream T 💊	🗸 Record 🗸
Search	Q	2MP A3FR-107	Main Strea 🗸	OFF
		A3H-2MP-20-210	Main Stream	OFF
		IPC	Sub Stream	OFF

To set schedule recording, select the channel, stream type and schedule. Then Click [Apply] tosave the settings.

• To set schedule:

① Click the "Schedule Setting" tab to go to the following interface.

	etting Sch	hedule Settin	g	
Add	Delete			
	Schedule	Edit	Delete	
	7*24			
	5*24			

2 Click [Add].

- ③ Enter the schedule name.
- ④ Set the schedule. Click and then move the cursor to select the time; click and then move the cursor to delete the selected time. Click "Input Manually" to manually enter the time. Click "All" or "Reverse" to quickly select time. Click "Clear All" to clear all schedule.

										M	lodif	fy S	Sche	dule	9		×
Sched	uleNan	ne 1	-												1	0	Input Manually Select All Reverse Clear All
Sun,	0 04:39-	16:1	 2 5	1	4		 6 	1	8	1	10	-	 12 	1	 14 	1	16 18 20 22 24 Input Manually Select All Reverse Clear All
Mon,	 0 	I	2	1	4	1	6	1	8	1	10 		12 		14 	1	16 18 20 22 24 1 Input Manually Select All Reverse Clear All
Tue,	 0 	1	2	1	4	1	6		8	1	10		12 		14 		16 18 20 22 24 Input Manually Select All Reverse Clear All
Wed,	 0 	I	2	1	4	1	6	1	8	1	10		12 		14 	1	16 18 20 22 24 Input Manually Select All Reverse Clear All
Thu,	0	1	2	1	4	1	6	1	8	1	10		12 		14		16 18 20 22 24 Input Manually Select All Reverse Clear All
Fri,	0	1	2	1	4	1	6	1	8	1	10		12 	1	14		16 18 20 22 24 Input Manually Select All Reverse Clear All
Sat,	0 04:06-	16:5	2 9		4		6	1	8	1	10	1	12 	1	14	1	16 18 20 22 24 Input Manually Select All Reverse Clear All
							OK										Cancel

7.1.3 Alarm Linkage Recording

(1) Go to Home \rightarrow Device Setting interface. Select the desired device to enable and set schedules.

(2) Go to Home \rightarrow Alarm Center \rightarrow Alarm Linkage as shown below. Select alarm type, enable record, set linakage channel and set schedules.

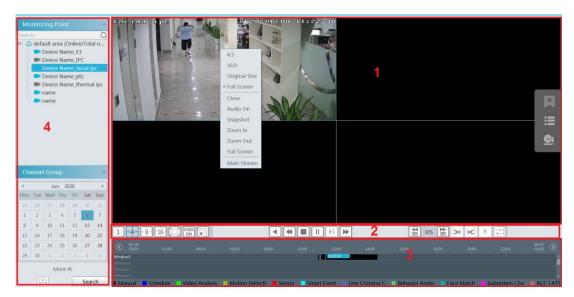
③ Click [Apply] to save the settings.

Alarm Log Alarm Linkage		hedule Setting Manual Alarr				_						
	^	Alarm Type Channel-Motion D	letection	✓ All	ON All OF	F Reset	Apply					(
Search B default area	Q	Name	Audio 🗸	PTZ Control	Record V	Alarm View 🗸	Snapshot 🗸	Alarm Output	Voice Broa… 🗸	TV Wall 🗸	🗸 Schedule 🗸	
La 200		10.100.10.75_8443_CAM001	✓ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		IPC	✓ ON	ON	ON	ON	ON	ON	ON	ON	OFF	
		IPC	✓ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

7.2 Record Playback

In the main menu interface, click "Storage Playback" to go to record playback interface. Record files saved on the HDD/ SD card of the devices and storage server can be played.

There are two types of record playback: synchronous playback and asynchronous playback.



Area Description

Area	Description	Area	Description
1	Playback area	3	Record timetable area
2	Toolbar	4	Time and event search area; resource area

Toolbar on Playback Window

Button	Description	Button	Description
R	Stop viewing	Ð	Zoom in
	Audio on/off	Ø	Zoom out
<u>o</u>	Snapshot	0	Fit to window

Button Descriptions of Area 2:

Button	Description
1 -4916-	Screen display mode button. 1/4/9/16 screen mode is optional.
	Full screen
OSD ON	Enable or disable OSD
×	Close all window viewing
	Get record from network devices
P	Get record from storage servers
	Rewind
•	Low speed playback
	Stop
	Play/Pause
M	Next frame. In the playback mode, click the pause button and then click this button to play frame by frame.
•	Click it to select playback speed.
	Forward 30s or backward 30s
>	Backup start time
*	Backup end time
	Start backup
	Synchronous playback or asynchronous playback

Right-click button menu

Menu	Description	Menu	Description
Close	Close viewing	Zoom out	Zoom out the current image

Audio On/Off	Audio on/off	Full Screen	Click to enter full screen mode
Snapshot	Snapshot	Sub stream	Switch to sub stream playing
Zoom In	Zoom in the current image		

Other buttons

Button	Description	Button	Description
×	Add tag	iii	Event list
Gł	Backup		

Set record date, record type (for some devices, "Main Stream" can be selected to play the record, or the record will be played by sub stream if unselected) and the record playback source in the playback interface. Drag the camera on the right side to playback window for playing or double click a desired channel to play or click [Search] to search the record files and then click \triangleright to play.

Playback record type includes manual recording, motion detection recording, schedule recording, sensor recording, object removal recording, video exception recording, intrusion recording and line crossing recording and so on.

In the timetable, different color bars stand for different record types. For instance, yellow bar stands for motion recording data; blue bar stands for schedule recording data; red bar stands for sensor record data, etc.

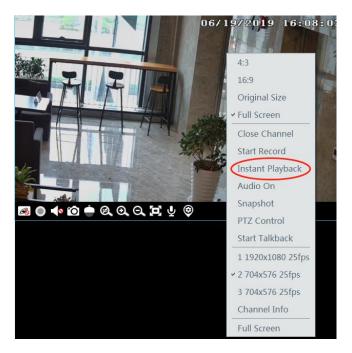
						14:36	14:39						
Window1						2	020-06-06 14:36:59		14	46.02			
Window2													
Window3													
Window4													🛛 🖸 🤤 😢
🔳 Manu	ial 📒	Schedule	📕 Video /	Analysis	Motion Detection	Senso	or 📃 Smart Event	Line Crossing	Counting	Behavior Analys	s 📃 Face Match	Subsystem 1	Zone 📕 ACC

The time scale can be zoomed in by clicking and the time scale can be zoomed out by clicking . The time scale can be restored to 24 hours by clicking . When the time scale is zoomed in, drag the timeline to see the time spots.

7.2.1 Instant Playback

> Instant Playback

In the live view interface, right clik on a playing channel to select "Instant Playback" and then set the playback time to play the record instantly (the record of the channel in the past five minutes will be searched and played from that time when the record exists).



7.2.2 Synchronous Playback

Synchronous Playback: in a certain time, all channels playback its record at the same time together; if one channel has no record data at this time, this channel will wait.

Click on the toolbar in the playback interface to go to the synchronous playback interface. Please play the record according to the ways introduced as above. The record bar in synchronous mode is as below.



In synchronous mode, one camera can only have one playing window. All cameras' record information can be viewed at the same time. When playing record file in synchronous mode or asynchronous mode, clicking is will be useless unless all the playback windows are closed.

7.2.3 Asynchronous Playback

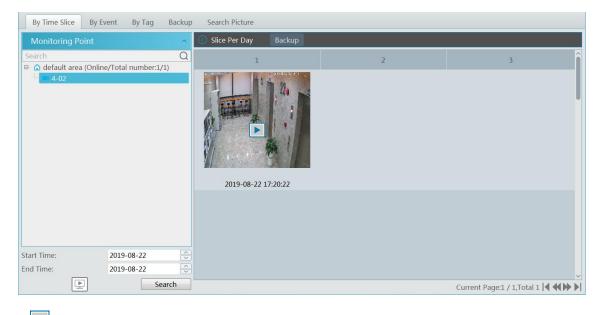
Asynchronous Playback: when playing some channels' record at the same time, each channel is independent from the others and each channel's playback time is different.

Click to go to the asynchronous playback interface as shown below. Please play the record according to the ways introduced as the above. The record bar in asynchronous mode is as below.

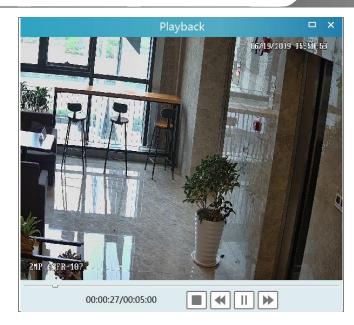


7.2.4 Playback by Time Slice

- (1) Go to Home \rightarrow By Time Slice interface.
- 2 Select channel (or monitoring point), set the start time and the end time, select the record source and then click [Search].



③ Click **b** to play the record.



(4) Click \Box button on the top right corner to play in full screen mode.

Double click the image to switch to slice search mode by day. In the above interface, click 🔘 to switch to slice search mode by hour.

By Time Slice By Event By Tag	Backup Sea	rch Picture			
Monitoring Point	🔨 🛇 Sli	ce Per Hour Backup			
Search Contine/Total number:1/		1 2019-08-22 17:20:22	2	3	4
Start Time: 2019-08-22 End Time: 2019-08-22					
Se	arch				Current Page:1 / 1,Total 1 ◀ ◀ ▶ ▶

Double click an image to switch to slice search mode by 5 minutes. Click 🚺 to return to slice search mode by day;

Monitoring Point © Sice Per S Min Backup Search Q D default area (Online/Total number:1/1) 1 2 3 4-02 1 2019-08-22 17:20:22 3 Start Time: 2019-08-22 17:20:22	By Time Slice By Event By Tag Backup	Search Picture			
□ 1	Monitoring Point	Slice Per 5 Min Backup	1		
Start Time: 2019-08-22	default area (Online/Total number:1/1)		2	3	4
Search Current Page:1 / 1,Total 1	End Time: 2019-08-22				v

In the above interface, click is to return to slice search mode by hour.

Backup: In the Search by Time Slice interface, select a time slice and then click "Backup" to back up the record file during this period quickly.

7.2.5 Playback by Event

- (1) Go to Home \rightarrow By Event interface.
- ② Select the desired monitoring point, set the record source, the start time and the end time and then check events.

By Time Slice By Event By Tag	j Backup	Search Picture						
Monitoring Point	Filter	C	Before the event 0	Sec		Tip2 : Filter By [N	ame]、[Start Time].	[End Time]、[Event Type]
Search Q	No.	Name	Start Time	End Time	Duratio	n Type	Playback	Backup
A default area (Online/Total n A default area (Online/Total n Device Name_E3 Device Name_FC Device Name_facial ipc Device Name_tract Device Name_tract Device Name_thermal ipc name Name Start Time: 2020-06-06 00:00:00	1	Device Name_facial ipc	2020-06-06 14:45:49	2020-06-06 14:	51:46 0:5:57	Schedule	۲	۲
	Manual	🗹 Video Analysis 🛛 🗹	Sensor 🛛 🗹 Line C	rossing Counting	Face Match	🖬 ACC ATT		
Search	🗹 Schedule		Smart Event 🛛 Behav		🛿 Subsystem Zone		Current Pag	e:1 / 1,Total 1 🛛 📣 🕨

③ Click [Search]. The searched record data will be listed. Click 🕟 to play the record; click 💽 to back up the record data.

7.2.6 Playback by Tag

(1) Go to Home \rightarrow Record Playback interface.

- ② Select a channel and put the cursor on the right center. Then a tag icon () will appear. Click this icon to add tag.
- ③ Go to Home→By Tag interface. Select the start time and click [Refresh] to search the added tags.
- ④ Click 🕑 in the playback column to play the record.

By Time Slice	By Event By Tag	Backup Searcl	h Picture					
Start Time: 2019-	08-22 00:00:00	0	Search The backup time: 1					Q
No.	Channel Na		Playback = 2019/08/2	□ X	Edit	Delete	Playback	Backup
1	4-02 103-		V00:03:00				@ .	۲

7.3 Backup

In the main menu interface, click "Backup" to go to the backup interface. The setting steps are as follows:

- 1 \qquad Select the desired monitoring point.
- 2 Select <u>date and click</u> "More" to select the start and the end time and event type.
- ③ Click Let to get records from device or storage server.
- ④ Set the start time and the end time of backup. Then click [Backup].

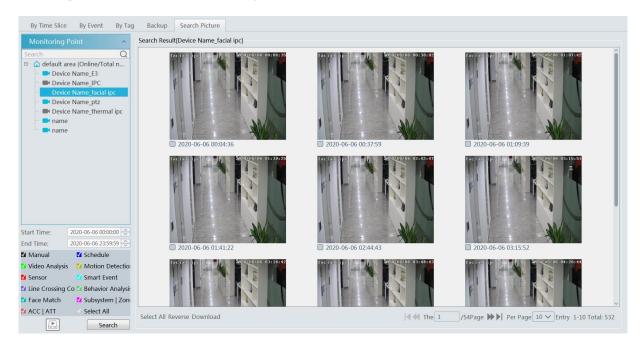
5 The backup progress will be seen during backing up the record. Click meto pause; click to stop backing up the record; click will to clear the backup list.

Backup on dev

"Backup on device": This function is applied to the added NVR devices. Search the record from the HDD of the NVR in this interface and then insert a USB storage device into the USB port of the NVR and then click this button. Then the recorded files will be backed up to the USB storage device remotely.

7.4 Search Picture

In this interface, pictures stored on the SD card or storage server can be searched and viewed.



- ① Select the device.
- ② Set the start time and the end time.
- 3 Choose events.
- ④ Select search from network device or storage server.
- (5) Click [Search]

8 Alarm Management

8.1 Alarm Server Configuration

8.1.1 View Alarm Server Status

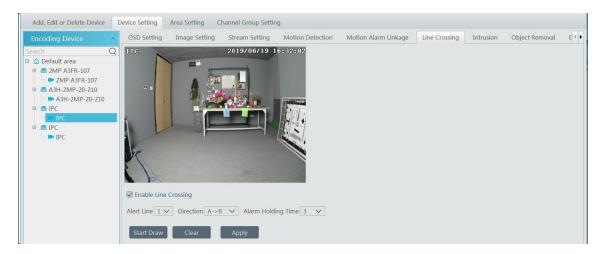
Alarm server is in charge of receiving and recording alarm information of connected devices and then sending the alarm information to the relevant user terminal system or devices in accordance with prior alarm settings. There is a default alarm server. Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Alarm Server interface to view the online status of the alarm server. If it is not online, please check its network connection.

Add, Edit or Delete Device	Device	Setting Area S	Setting Chan	nel Group Se	etting			
Device Type	^	Server Name	IP Address	Port	Client Co	Authentic	Edit	
Encoding Device (Online/Tota	l numbe	Alarm Server	10.20.52.7	6033	Online	Online		
Decoder (Online/Total numbe	r:0/0)							
Alarm Host (Online/Total num	ber:0/0)							
Access Control System (Online	e/Total n							
LED Display Device (Online/To	tal numl							
Intelligent Analysis Server (On	line/Tota							
Storage Server (Online/Total r	number:1							
Media Transfer Server (Online,	/Total nu							
Access Server (Online/Total nu	umber:1/							
Alarm Server (Online/Total nu	mber:1/1							
TV Wall Server (Online/Total n	umber:1							

Click Click to modify the added alarm server; click to delete the added alarm server.

8.1.2 Alarm Configuration

(1) Go to Home \rightarrow Device Setting interface.



Select the desired device to enable alarms (refer to the user manual of the corresponding device for the detailed settings). (2) Go to Home \rightarrow Alarm Center \rightarrow Alarm Linkage interface.

Area	-	Alarm Type Channel-Motion D	etection	All	ON All OF	F Resot	Apply					0
Search	Q	Name						🗸 Alarm Output 🗸	Voice Broa… 🗸		🗸 Schedule 🗸	G
e default area		10.100.10.75_8443_CAM001	✓ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		IPC	✓ ON	ON	ON	ON	ON	ON	ON	ON	OFF	
		IPC	✓ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		IPC	∽ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		facial ipc	∨ on	ON	ON	ON	ON	ON	ON	ON	OFF	
		nvr_IP Camera01	✓ OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

Select area, alarm type and then enable alarm linkages.

All ON: enable all alarm linkages of the current alarm type and area (schedule excluded).

All OFF: disable all alarm linkages of the current alarm type and area (schedule excluded).

Select 🞽 beside the device name and select "ON" to enable all alarm linkages of the device (schedule excluded).

1(11)_IPC134424	14	\sim	ON	ON	ON	ON	ON	ON	ON	OFF
1(31)_name	ON		OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
1(48)_name	OFF		OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF

Select 🖌 beside the title (like record) to enable record linkage of all devices (schedule excluded).

The alarm linkage settings of PTZ control, record, alarm view, snapshot, alarm output, voice broadcast and TV Wall are the same with each other. Here take record linkage for example to introduce the setting steps.

[*2MP A3FR-107] RecordLin	kage Settin	g		\times
Selectable Channel		Selecte	ed Channel	
🔺 🔲 Default area	>	🔺 🗌 Defa	ult area	
A3H-2MP-20-2	<	□ 2N	/IP A3FR-107	
IPC				
□ IPC	->			
	>> <			
⊘ ON Q Select All	Reverse Cl	ear All	ОК	Cancel
	Reverse ei			Cancer

Tips: Before enabling voice broadcast, please upload the audio file first (see <u>13.7 Audio Uploading</u> chapter for details).

Check the selectable channel and click to select the channel; check the selected channel and click to remove this channel; click to select all channels; click to remove all selected channel.

After the channels are selected, check "On" and then click "OK" to save the settings.

③ Set alarm schedule. Select the schedule of the desired device. 7*24 or 5*24 is the default schedule. Other schedules need to be set in advance. Click the "Schedule Setting" tab to set (See Schedule Recording \rightarrow To set schedule for details).

8.2 Manual Alarm Out

Click "Manual Alarm Out" tab to go to the following interface.

Alarm Log Alarm Linkage	Schedule	Setting	Manual Alarm Out	SOP Setting
Alarm Output	~			
□ □ ☐ default area □ □ ☐ 200 □ □ ■ IPC_AlarmOut1 □ □ ■ IPC_AlarmOut1		Trigger	Alarm Out	Close Alarm Out

Select the camera and then click [Trigger Alarm Out] to manually trigger the alarm out of the camera; click [Close Alarm Out] to manually turn off the alarm out of the camera.

8.3 SOP Settings

Click the "SOP Setting" tab in the alarm center interface to go to the following interface as shown below.

- 1. Click "+" to add a SOP name. A maximum of 10 SOP can be added.
- 2. Click "Create" to create a SOP action. Each SOP can create 5 SOP actions.
- 3. Click ⁹⁹⁺ to extend the alarm list.

4. Click 🚺 to handle the alarm. Select the SOP action and then click "Save Process". After that, choose disposition and enter remark as needed.

The disposition includes: False alarm, true alarm, customer test, technical event, service test.

Alarm Log Alarm Lin	kage Schedule Setting M	Manual Alarm Out SOI	Setting					
SOP 1 🕣 🖬 (🗹 🥱 🕅 Create	Delete						
SOP1		ndex Edit D	elete		Alarm Ha	andle SOP	×	
- SOP2		1 71 Create SOP Action	×	Alarm Reso	e: 2020-05-20 11:19:15 ource: IPC e: Channel- People Counting			
		`		Index	Operation Action	Handle St…	Handle Time	
	SOP Action	Input less than or equal	to 64 cha…	1	1			
		[c	K Cancel	2	2			
							Save process	
				Disposition	False Alarm		Save process	
				r.	Input less than or equal to 100 ch	aracters		
					/		Save	
Device Alarm 🗹 Chan	inel Alarm 🛛 Sensor Alarm 🖉	Offline Alarm 🖉 Server	Alarm			_		Unhandled Alarm Number:1000 📎
Alarm Time	Alarm Resource	Alarm Type Storage	Pl… Device Pl…	Storage S…	Device Ca… Alarm Pro- Handli	ng ··· Disposition F	Remark	
2020-05-20 11:19:15	IPC	Channel			4 🕜			
2020-05-20 11:19:09	facial ipc	Channel						
2020-05-20 11:19:01	facial ipc	Channel-F…						
2020-05-20 11:18:48	facial ipc	Channel						3
2020-05-20 11:18:23	IPC	Channel- ····			1			· · ·

After the alarm is processed, the alarm handling status and disposition will be shown as below.

Device Alarm Device Alarm	annel Alarm 🛛 Sensor Alarm 🖉 Off	line Alarm 🛛	Server Alar	m						
Alarm Time	Alarm Resource	Alarm Type	Storage Pl…	Device Pl…	Storage S…	Device Ca…	Alarm Pro…	Handling …	Disposition	Remark
2020-05-20 11:29:55	IPC	Channel						Processed	False Alarm	
2020-05-20 11:29:20	facial ipc	Channel								
2020-05-20 11:29:18	IPC	Channel- ···								

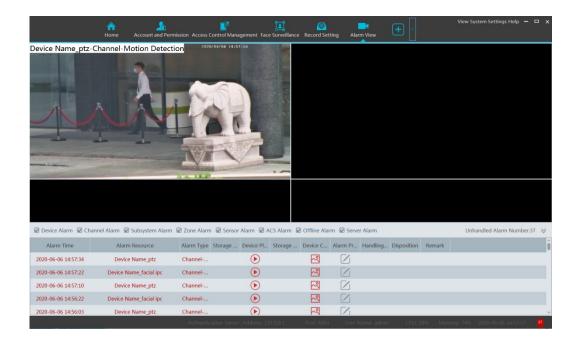
If you create more than one SOP, you can designate the SOP for the added encoding devices. Go to Home \rightarrow Resource Management \rightarrow Add, Edit or Delete Device \rightarrow Encoding Device interface. Then click [Select SOP] to select the SOP and encoding devices.

Device Type	Add	Delete	Select Are	ea Select Transfer Server	Select Storage Server	Batch Upgrade for IPC	Batch Upgrade for	r ANPR Camera	Select SOP
Encoding Device (Online/Total number: Decoder (Online/Total number:0/0) LED Display Device (Online/Total numb		Edit	∽ D	Select SOP SOP1	Select SC	P	× v	Port	Select Area default area
Intelligent Analysis Server (Online/Total Storage Server (Online/Total number:1/				Selectable Device		Selected Device		6036	
Media Transfer Server (Online/Total nur	\checkmark			🔺 🔲 default area		🛾 🗌 default area	5	9008	default area
Alarm Server (Online/Total number:1/1 TV Wall Server (Online/Total number:1/				10.100.10.75_8443	Þ	IPC	4	9008	default area
TV Watt Server (Ontine, Total number.1)				Device Name	<	IPC		9008	default area
			10.1					8443	default area
				🔲 facial ipc				9008	default area
				🗆 nvr					
					» «				
Device Alarm Channel Alarm) Sensor Al		fline Alarm Alarm Tyr	Search Q Select	All Reverse Clear All	ок	Cancel		

Select the SOP. Then check the desired device and click **b** to select it. Finally, click [OK] to save the settings. After that, you can choose the corresponding SOP action when you handle the alarm of the camera.

8.4 Alarm View

Having set the alarm preview linkage, the alarm view window will prompt when an alarm is triggered.



Click on the bottom right corner to expand the alarm list as shown above. Hover the mouse over the top of the alarm list and then a bidirectional arrow will appear. Drag the alarm list up or down to zoom in or out the alarm list.

Click \bigcirc or \bowtie to play the record or captured images; click 1 to delete alarm information.

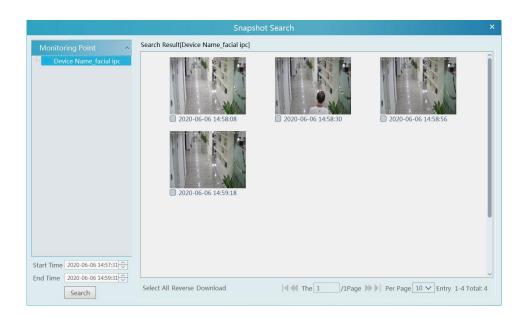
	Snapsh	ot Search	×
Monitoring Point ^	Search Result[Device Name_facial ipc]		
Device Name_facial ipc	2020-06-06 14:58:08	2020-06-06 14:58:30	Î
Start Time 2020-06-06 14:57:31			
End Time 2020-06-06 14:59:31	Select All Reverse Download	I The 1 /1Page ► I Per Page 10 V Entry 1	-2 Total: 2

8.4.1 Alarm Log

Alarm logs can be searched and exported by going to Home→Alarm Center→Alarm Log interface.

Alarm Log	g Alarm Linkage	Schedule Setting Manual Alarr	m Out SOP Setting							
Start Time	2020-06-06 00:00:00 😌 🛛	End Time 2020-06-06 23:59:59 😌	Search Export							
No.	Alarm Time	Alarm Resource	Alarm 🗸 Details	Storage Device Pl Storage	Device C	Alarm Pr	Handling	Disposition	Remark	
1	2020-06-06 14:59:01	Device Name_ptz	Channel	\bigcirc	~					
2	2020-06-06 14:58:57	Device Name_facial ipc	Channel		~					
3	2020-06-06 14:58:31	Device Name_facial ipc	Channel	۲	~					
4	2020-06-06 14:58:23	Device Name_ptz	Channel	۲	~					
5	2020-06-06 14:58:09	Device Name_facial ipc	Channel	۲	~					
6	2020-06-06 14:57:34	Device Name ptz	Channel		~					

Click to play the record; click to open the snapshot search window as shown below.



8.5 Alarm System

8.5.1 Add Alarm Host

Go to Home→Add, Edit or Delete Device→Alarm Host interface. Click [Add] to prompt the following interface.

Add, Edit or Delete Device	Device	e Setting	Area Setting	Channe	l Group Setti	ng						
Device Type	~	Add	Delete							Search		
Encoding Device (Online/Total	numbe		Device N	Turne	Culturate	7 NI	Aleren O	TD Adda	Dent	Colort Area	Calaatitaa	Online Ct
Decoder (Online/Total number:	:0/0)		Device IN	Туре	Subsyste	Zone Nu	Alarm O	IP Addre	Port	Select Area	Select Ac	Online St
Alarm Host (Online/Total numb	oer:0/0)											
Access Control System (Online/	Total n											
LED Display Device (Online/Tota	al numl											

Please add the host name, serial number, port, username, password, subsystem number, zone number, area and access server. Then click [OK] to save the settings.

8.5.2 Subsystem Setting

Go to Home→Alarm System→Subsystem interface as shown below. "Arm", "Disarm", "Clear Alarm" or "Refresh Status" can be operated in this interface.



8.5.3 Zone

Go to Home→Alarm System→Zone. "Bypass", "Bypass Recovery" and "Refresh Status" can be set up in this interface.

Alarm Host	Bypass Recovery Bypass R	efresh Status			
	Zone_6	Zone_23333	Zone_3	Zone_4	Zone_5
	Status: Bypass Recovery	Status: Bypass Recovery	Status: Bypass Recovery	Status: Bypass Recovery	Status: Bypass Recovery

8.5.4 Alarm Linkage

Go to Home \rightarrow Alarm System \rightarrow Alarm Linkage interface as shown below. The settings of alarm linkage here are the same as alarm linkage of alarm center.

Subsystem Zone Alarm Linkage														
	^	Alarm Type Subs	/stem-Arm	\sim		N All O	OFF	Reset	Apply			Filter		C
Search ■ ○ default area	Q	Name	Audio	✓ PTZ •	Control 🗸	Record	\sim	Alarm View 🗸	Snapshot 🗸	🖌 Alarm Output 🗸	Voice Broa 🗸	Open Door 🗸	TV Wall	Schedule
└─ û 172.16.48.194_6036 ⊡ û kerwin └─ û test1														

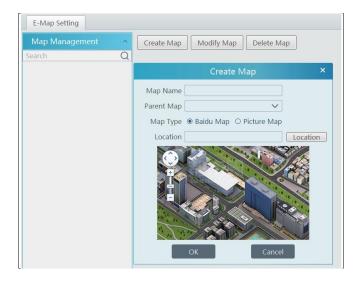
9 E-Map

The e-map service is used to store the e-map information of the system. The client landing anywhere can share the same e-map.

9.1 E-Map Settings

9.1.1 Create E-Map

Go to Home \rightarrow E-Map interface. Click [Create Map] to create a map.



Enter E-map name, select parent e-map and map type. Then click [OK] to save the settings.

9.1.2 Add Hotspot

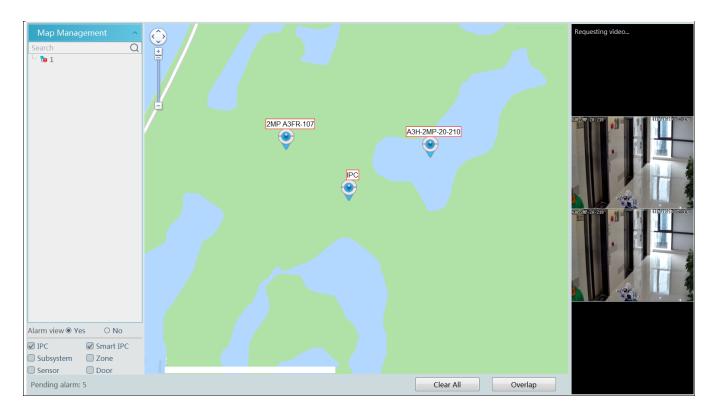
The hotspots include monitoring points, sensors, subsystem, zone and door. Drag a hotspot to the corresponding area on the map as shown below.



Click [Modify Map] to change map name and parent map. Select [Delete Map] to delete the added map.

9.1.3 E-Map Monitoring

Go to Home→E-Map Monitoring interface. Select a window on the right and then double click the monitoring point to view the real-time image.



Alarm view: if you select "Yes", the monitoring video will automatically pop up on the right window when an alarm is triggered.

10 TV Wall

10.1 Add TV Wall Server

Go to Home→ Add, Edit or Delete Device→TV Wall Server interface as shown below.

Add, Edit or Delete Device Device	e Setting	Area Setting Ch	annel Group Set	ting					
Device Type	Add	Delete						Search	
Encoding Device (Online/Total numbe Decoder (Online/Total number:0/0)		Server Name	IP Address	Port	Client Co	Authentic	Edit	Delete	
Alarm Host (Online/Total number:0/0)		TV wall server	10.20.52.7	6036	Online	Online			
Access Control System (Online/Total n									
LED Display Device (Online/Total numl									
Intelligent Analysis Server (Online/Tota									
Storage Server (Online/Total number:1									
Media Transfer Server (Online/Total n									
Access Server (Online/Total number:1/									
Alarm Server (Online/Total number:1/:									
TV Wall Server (Online/Total number:1									

An adding TV Wall window will be prompted by clicking [Add]. Click [Refresh] to quickly add the TV wall server in the same local network, or add the TV wall server by manually entering server name, IP address and port.

Click *local* to modify the added server; click *local* to delete the added server.

10.2 Add Decoder

Decoder is used to decode the video signal transmitted by the transfer server. The decoding output is a standard video signal. The decoder is necessary for decoding videos on the TV wall.

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Decoder interface.

ſ	Add, Edit or Delete Device	Device	e Setting	Area Setting	Channe	l Group Setti	ng					
	Device Type	^ (Add	Delete							Search	
	ncoding Device (Online/Total Decoder (Online/Total number:			Device N	Output	IP Address	Port	Online St	Open in t	Edit	Delete	
	larm Host (Online/Total numb	1.1										
A	ccess Control System (Online/	/Total n										
L	ED Display Device (Online/Tot	al numl										

The setting steps of adding decoders are the same as adding encoding device setup (see Add Encoding Device for details).

10.2.1 Create and Connect Decoder

The decoder which needs to be connected to the platform must be the master decoder and in platform mode. Login the web client of the decoder as shown below.

Go to Basic Settings \rightarrow System Settings to check the user permission and running mode of the decoder and make sure its user permission is master and its running mode is platform. Then apply the settings and restart the decoder.

Basic Settings		
Running Mode	PlatForm	~
User Permission	Master	\checkmark
Device Name	Decoder	
MAC	00:18:AE:00:45:D1	
Soft Version	2.1.0.12	
Version Date	20181214	
Kernel Version	I9F6-I9F6-I9F6	
		Apply

Go to Home \rightarrow Resource Management \rightarrow Decoder interface. Then check the online status of the decoder.

Add, Edit or Delete Device Device Setting Area Setting Channel Group Setting											
Device Type	Add	Delete									
Encoding Device (Online/Total numbe		▲ Device Name	Output N	IP Address	Port	Online St	Open in t	Edit	Delete		
Decoder (Online/Total number:1/1)		Device Ivallie	Output N	II Address	TOIL	Offinite St	open in t	Luit	Delete		
Alarm Host (Online/Total number:0/0)		Decoder1	2	172.16.47.202	8888	Online			Ī		
Access Control System (Online/Total n											

After that, go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting \rightarrow Decoder Bind Configuration. Then click is to bind decoder and TV wall (See <u>Decoder Bind</u> for details).

10.3 TV Wall Management

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall Setting.

TV Wall Setting	TV Wall View	Task Setting
TV Wall		^
TV Wall Server		+
III TV Wall 1(1)		C 🗊
III TV Wall 2(2)		C 🗊
🏼 TV Wall 3(3)		C 🗊
Decoder Output		^
🔺 🗂 Decoder1		
popopopopopopo	opopopoloki	ß
Output2		C

10.3.1 TV Wall Settings

♦ Create TV Wall

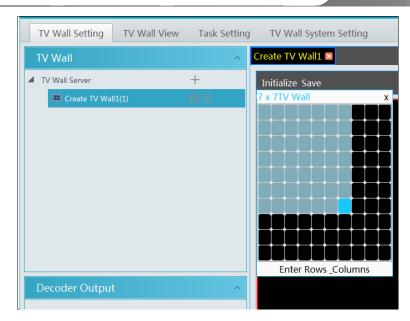
Go to Home \rightarrow TV Wall Management \rightarrow TV Wall Setting. Select a TV wall server and then click + to create a TV wall.

TV Wall Setting	TV Wall View	Task Setting	TV Wall Syster	n Setting		
TV Wall		^		Create TV V	Vall	×
TV Wall Server	L		TV Wall Se	rver TV V	Vall Server	
			TV Wall	Create TV Wa	1	
			TV Wall Nu	umber 1		
			🗌 Edit ID		OK Can	cel

Initializing

1 Double click the created TV wall to prompt a TV wall window.

(2) Click "Initialize" to create TV wall layout

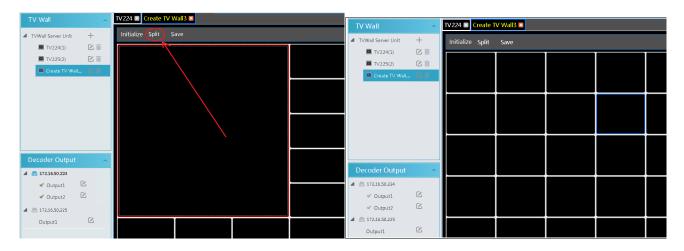


♦ Merging\Splitting

Merging: drag on the screen and then release. The "Merge" button will be shown. Click it to merger these small windows.

TV Wall	TV224 Create TV Wall3			
TVWall Server Unit +	Initialize Merge Save	TV Wall 🔋 🔺	TV224 Create TV Wall3 E	
TV224(1)		▲ TVWall Server Unit +	Initialize Merge Save	
■ TV225(2) 🕑 🗑		■ TV224(1) 区 官		
Create TV Walls 🕑 🗐	[]	🔳 TV225(2) 🛛 🗹 🗐		
		🔲 Create TV Walls 🛛 📴		
Decoder Output				
1 💼 172.16.50.224		Decoder Output		
✓ Output1		a a 172.16.90.224		
✓ Output2		✓ Output1 E ✓ Output2 E		
m 172.16.50.225				
Output1		 ▲ == 172.16.50.225 Output1		
		CODIST C		
	·			

Splitting: select the merged window and click "Split" to restore the window to the previous status.



The online decoder displayed in the decoder output list is the binding decoder of this TV wall. Drag the outputs to windows on the right in sequence and then click "Save" to save the settings.

TVWall Server Unit +	Initialize Save								
TV224(1) TV225(2) Create TV	Output1	Output2							
	172.16.50.225	172.16.50.225							
	Output3	Output4							
Decoder Output 💦 🗠									
Output2 🗹 Output3 🗹 🗹 Output4 🖾									

To modify TV wall:

Click Seside the TV wall name, enter the new name and then click [OK].

TV Wall		^	TV Wall 1
TV Wall Server		+	Initialize
🔳 TV Wall 1	1)	Z İ	
🔳 TV Wall 2	2)		
🔳 TV Wall 3	3)	Z 🗊	
	Edit	TV Wall	×
	TV Wall Server	TV Wall Ser	rver
	TV Wall TV Wa	1	
	TV Wall Number	L	
	🔲 Edit ID	ОК	Cancel

To delete TV wall :

Click behind the TV wall name.

TV Wall	^	TV224 SCreate TV Wall3	×		
TVWall Server Unit	+	Initialize Save			
■ TV224(1)	R()				
TV225(2)					
🔳 Create TV	Cİ	Output1	Output2		
			Question		
		li i			
		? Are you	sure to delete TV Wall?		
Decoder Output	t ^		ОК	Cancel	
4 📇 172.16.50.224					

• Decoder Bind

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting interface as shown below. In this interface, decoder bind can be set up.

Decoder bind configuration: modify the binding state between decoder and TV wall.

	TV Wall Setting TV Wall View Task Setting TV Wall System Setting											
Channel Number Setting Decoder Bind Configuration												
Device Name	Output N	IP Address	Port	Online St	Select TV Wall	Open in t	Edit					
Decoder1	2	172.16.47.202	8888	Online	TV Wall 1							

Click lo change bound TV Wall.

Channel Nur	nber Setting	Decoder Bind Co	onfiguration				
Device Name	Output N	IP Address	Port	Online St	Select TV Wall	Open in t	Edit
Decoder1	2	172.16.47.202	8888	Online	TV Wall 1	····	
					Change Boun	id TV Wall	×
				Select	TV Wall TV Wall	1	~
					OK TV Wall TV Wall TV Wall	2	
_							
Channel Nur	nber Setting	Decoder Bind C	onfiguration				
Device Name	Output N	IP Address	Port	Online St	Select TV Wall	Open in t	. Edit
Decoder1	2	172.16.47.202	8888	Online	TV Wall 2	••••	
Add, Edit or Delete	e Device Device	e Setting Area Setting	Channel Grou	p Setting			
Device Type	^	Add Delete					
Encoding Device (On Decoder (Online/Tot		Device Name	Output N	IP Address	Port Online St	Open in t	Edit Delete
Alarm Host (Online/ Access Control Syste		Decoder1	2	172.16.47.202	8888 Online		

Return to the decoder management interface as shown above. The online status of the decoder indicates that the decoder is successfully bound with TV wall. Go to TV Wall Setting interface as shown below. Drag the outputs of the decoder to the window on the right and save them to complete output bind.

TV Wall Setting TV Wall View	Task Setting	g TV Wall System Setting	
TV Wall	^	TV Wall 1 🛛 TV Wall 2 🛛	
▲ TV Wall Server	+	Initialize Save	
III TV Wall 1(1)			
III TV Wall 2(2)	20		
TV Wali 3(3)		popopopopopopopopopoloki	
		Decoder1	
Decoder Output	^	Output2	
Decoder1			
✓ popopopopopopopopopoloki	C		
 ✓ Output2 	ß	Decoder1	

10.3.2 TV Wall View

Create Plan

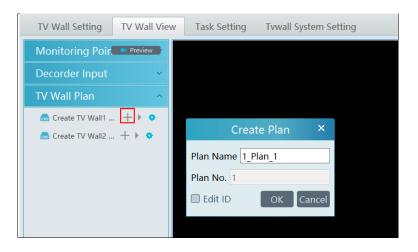
Go to Home \rightarrow TV Wall Management \rightarrow TV Wall View \rightarrow TV Wall Plan.

Click + beside the TV wall name to create the TV wall plan name.

Create Plan ×					
Plan Name 1_Plan_1					
Plan No. 1					
Edit ID OK Ca	ancel				

• Configure Plan

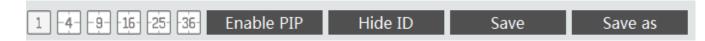
Double click the plan name to show the plan.



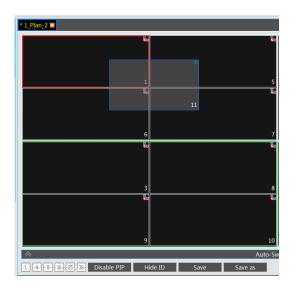
Drag the monitoring points to the corresponding window respectively to decode image.



Toolbar Menu

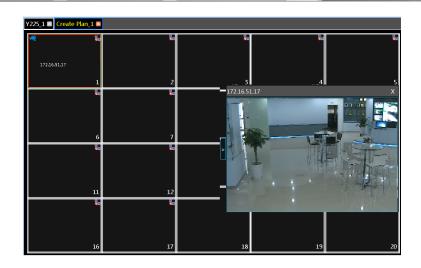


- 1. Screen mode : $1 \langle 4 \rangle \langle 16 \rangle \langle 25 \rangle \langle 36 \rangle$ screen mode is optional.
- 2. Open Window : Click [Enable PIP] and then drag on a window to open a small window on it. Click [Disable PIP] to stop opening window. The small window can be dragged to anywhere on the big window.



- 3. Click [Hide ID] to hide the window number; click [Display ID] to display the window number.
- 4. Click [Save] to save the current plan.
- 5. Click [Save as] to save it as another plan.

Double click a window to play the video.



Right-click Menu

* 1_Plan_1 🛛		
₩ IP通道05_IP通道05	Screen Mode Zoom Out Set as Alarm Window Set as Playback Window PTZ Control 8	
	Stop Decoding View Decoder Output Info.	
	Clear TV Wall	

- 1. Screen mode: $1 \leq 1 \leq 25 \leq 36$ screen mode is optional.
- 2. Zoom in\out : if the current screen mode is multi-screen display mode, click "Zoom In" to zoom in the current image. Click "Zoom Out" menu again to restore to the previous status.
- 3. Save as Alarm Window: click it to save the current window as an alarm window. The alarm linkage image will be displayed in this window. Go to Home→ Alarm Center→Alarm Linkage (or Home→Alarm System→Alarm Linkage) interface. Select TV wall linkage item to set alarm linkage.



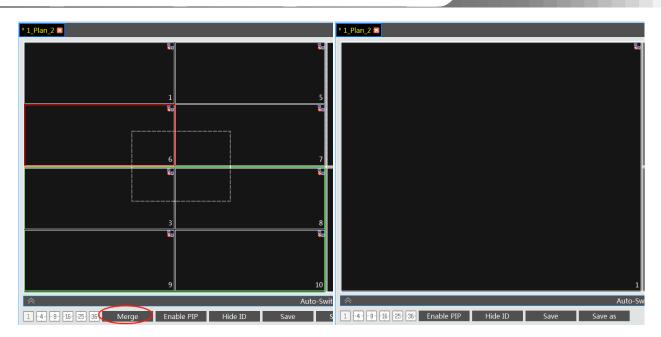
oshot	\sim	Alarm Output	\sim	Voice Br	oa	\sim	Open Door	\sim	TV	Wall
TV	Wall	Linkage Setting						_		×
	Sele	ctable Channel					Selected Cha	ann	el	TV Wa
	d	efault area			>		🗌 default are	ea		
) 172.16.47.109_3	3		<		□ 10.100.1	.0.2	14_8	TV Wall 1
		28138								
) E3-47.71								
) IP Camera01								
		IP Camera12			>>					
) IPC			~					
) qiuji88								
	-			>		<				>
	ON	Q Select	All	Reverse	e Cle	ear /	All OK			Cancel

- 4. Set as Playback window : when decoding images, click this menu to play the records of the current channel (the record source is the current record source).
- 5. PTZ Control: click this menu to prompt a PTZ control panel of the current decoding window. Direction control, zooming and focusing, Iris control, speed, preset, track and cruise calling can be operated through this control panel.

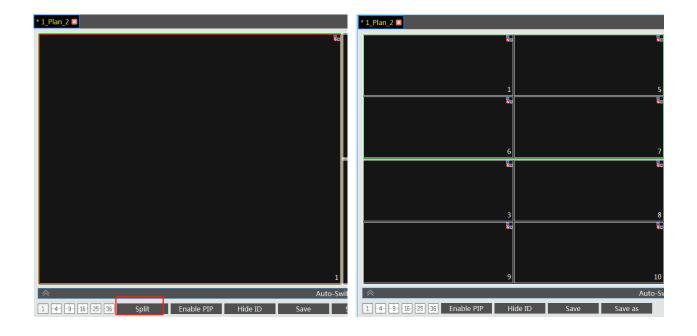


- 6. Stop Decoding: click it to stop decoding the current image.
- 7. View Decoder: view the information of the decoder.
- 8. Clear TV Wall: click it to clear the decoding configuration of the current output.
- Screen Merging or Splitting

Drag the mouse to select multi-window and then click [Merge] to merge these windows.



Select the merged window and click [Split] to restore the window to its previous status.



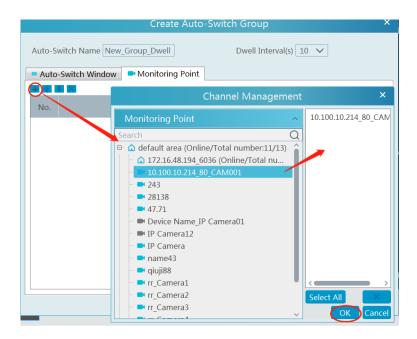
- ♦ Auto-Switch Group
- 1. Create Auto-Switch Group
 - ① Click Auto-Switch Group under the screen and then click to create auto-switch group.

	♦
≈	+
1 -4 -9 -16 -25 -36 Enable PIP	
00:00:00	1 -4 -9 16 25 36 Enable PIP

② Select "Auto-Switch Window" to select the window group.

	Create Auto-	Switch Group	×
Auto-Switch Name New	_Group_Dwell	Dwell Interval(s) 10 🗸	
Auto-Switch Window	Monitoring Point		
1	r		
_	<u> </u>		
6	7		2
3	8		
9	10		4
		OK Can	cel

③ Click "Monitoring Point" to select the auto-switch channel group.



(4) Enter auto-switch name and dwell time.

2. Execute auto-switch



Click to execute auto-switch. The specified channel images will be played in the specified windows in sequence. Click to stop playing the current auto-switch.

3. Modify or delete auto-switch

Right click the auto-switch name and then select Modify or Delete to modify or delete the auto-switch.

Note: If there are overlapped auto-switch window in a plan, the auto-switch groups will not be executed at the same time.

♦ Auto-switch plan

1. Create auto-switch plan

Click Click

	Channel Group	~	-				
	Decoder Input ~		Auto-Switch Setting			×	
	TV Wall Plan	^	No.	Plan Name	Move Up	Operation	
	4 🗂 TV Wall 1 (1)	+ •	1	1_Pan_3 (3)	÷	Join in	
	1_Pan_3(3)	BI 🔪	3	1_Plan_1 (1)	+	Join in	
	1_Plan_1(1)		2	1_Plan_2 (2)	+	Join in	
	1_Plan_2(2)						
	🞰 TV Wall 2 (2)	+ > 🔹					
	🔜 TV Wall 3 (3)	+ > 🔹					
	From	2019-10-08 00:00:00	Dwell Interva	l(s) 10 V		Save	
2.Start/stop auto-switch		TV225 (2)	+ •	• tart Auto-Sv	vitch		

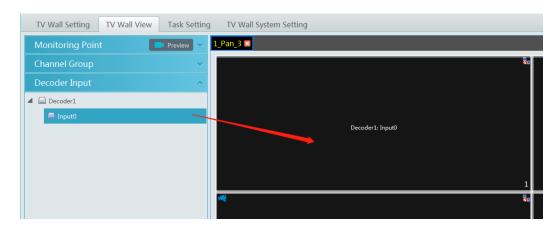
Click **b** behind the TV wall name to start auto-switch plan. Click the Stop button to stop the auto-switch.

- 3. Modify auto-switch plan
 - Click 😨 again to modify the auto-switch plan.

Note: If the current auto-switch plan needs to modify, please stop it first.

10.3.3 Decoder Input

Go to Home→TV Wall Management→Decoding on TV Wall→Decoder Input. Drag an input to a window to execute decoding.



10.3.4 Playback

• Playback on TV Wall

Click "Preview" on the left corner. Then this button becomes "Playback". Click is to get records from device or storage server and then click "OK" to search records, or drag the cameras (or channels) to a window to search and play the records.

TV Wall Setting	TV Wall View	Task Set	tting TV Wall System Setting			
Monitoring Poin	🙁 Playback		1_plan_1 🔲			
Channel Group		~	S	5		20
Decoder Input		~				
TV Wall Plan		^	Device Name_facial ipc			
4 💼 TV wall1 (1)	+ •	•				
1_plan_1(1)	C ii		1	2	3	4
				50		80
						<
			5	6	7	ठ •
				•0		
	~					
From	2020-06-06 00:00:0					
To Manual	2020-06-06 23:59:5	9 😌				
Video Analysis	Motion Dete	ection	9	10	11 vitch Group	12
Sensor Line Crossing Control	Smart Event		1 -49162536- Enable PIP		e as	
🗹 Face Match	🛂 Subsystem	7				06-07
M ACC ATT	Select All		C 000000 02:00 04:00	06:00 08:00 10:00 12	00 14:00 16:00 18:00	20:00 22:00 00:00
	<u>•</u>					

Of course, the specified time and event types can be set to search the specified records.

Playing control

Pause	Stop	Next Frame	Previous 30s	Next 30s

During playback, the record can be controlled by the above buttons.

Right-click menu

49.82 400_49.82 400	Screen Mode	5
	Set as Alarm Window	
	Set as Preview Window	Recent Channel
	Stop Decoding View Decoder Output Info.	Historical Channel
	Clear TV Wall	

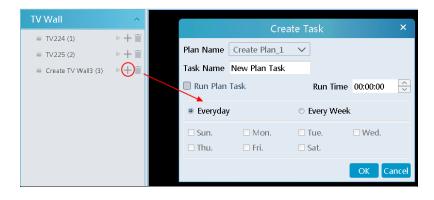
- 1. Screen mode:1\4\9\16 screen mode is optional
- 2. Zoom in
- 3. Save as an alarm window
- 4. Save as preview window: : the current channel or the historical channel is optional.
- 5. Playback stream type: main stream or sub stream is selectable.
- 6. Stop decoding
- 7. View decoder information
- 8. Clear TV wall

The following picture is an example of TV Wall.

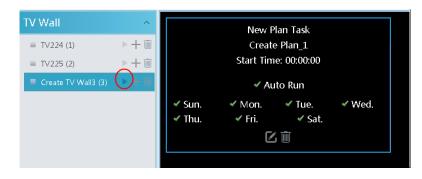


10.3.5 Task Setting of TV Wall

Go to Home \rightarrow TV Wall Management \rightarrow Task Setting. Click the the two the the two

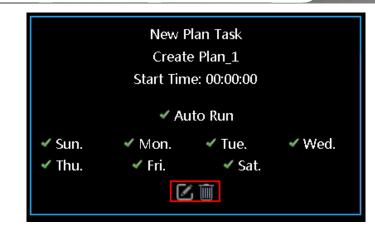


Click like to start the task. Click the Stop button to stop this task.



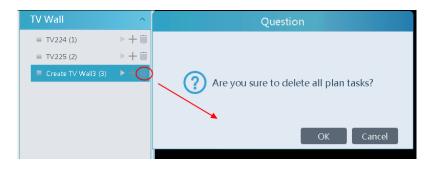
Modify or delete task

Double click the TV wall name and then the tasks will be displayed on the right window.



Click or to modify or delete the task.

Click behind the TV wall name and then click [OK] to confirm the deletion.



10.3.6 TV Wall System Setting

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting interface as shown below. In this interface, channel number and decoder bind can be set up.

Channel number configuration: set the channel number and make the channel convenient to be controlled by the network keyboard controller. Users can export these channel number in this interface.

TV Wall Setting TV Wall View	w Task Setting TV Wall System Setting		
Channel Number Setting De	ecoder Bind Configuration		
Monitoring Point ∧ Search Q △ default area (Online/Tot) ● 2MP A3FR-107 ● A3H-2MP-20-210	No. Name 1 default area>A3H-2MP-20-210 2 default area>2MP A3FR-107	Channel Number 1 1	Conflicts Between Channels' Number 1 A3H-2MP-20-210 2MP A3FR-107
	Minimum Conflict-Free Channel Number: 2	rt Channel Number	

11 Account and Permission

11.1 Create Account

Go to Home \rightarrow Account and Permission.

User Acc	ount Setting	User Per	rmission Group Setting					
Add	Delete	Edit encrypti	on			Sear	ch	(
	Account	Enabled	Select Permission Group	MAC Address	Bind MA	Edit	Delete	
	admin	ON	Super Administrator	00:00:00:00:00:00	OFF			
	1	ON	1	00:00:00:00:00:00	OFF			

There is a default super admin user (the username is admin; the password is 123456). The super admin user cannot be deleted. If it is the first time for you to log in, please select the super admin user and then click \square to change the default password. Then click "Edit encryption" to select the questions and set the answers. It is very important to reset the password if you forget your password.

Click [Add] to prompt an adding user window as shown below.

	Add User	×
Enable 🛛	2	
User Name*	1	
Old Password*	Enter Password	
Password*	123456	
Confirm Password*	123456	
Display Password	2	
Permission Group*	\checkmark	
Bind MAC Address		
Remark		
ОК	Cancel	

Enter user name and password. Then select permission group (it must be set in advance). Binding MAC address or remark can be filled in as needed. After that, click [OK] to save.

Click to modify the added user; click to delete the added user.

11.2 User Permission Settings

Go to Home \rightarrow Account and Permission \rightarrow User Permission Group Setting.

① Click [Add] to create permission group.

	Add Permission Group		×
Permission Group Name			
System Permission Operation Perm	ission Area Permission TV Wall Perr	nission	
Select All Reverse Clear All			
Resource Management	Server Management	Record Setting	
Alarm Management	Account and Permission	🔲 Е-Мар	
TV Wall Management	Parking Lot Management	Local Configuration	
Line Crossing Counting	Face Surveillance	Eace Greeting	
Face Attendance	Access Control Management		
	x	Cancel	
o	ĸ	Cancel	

- (2) Enter permission group name.
- ③ Select system permission, operation permission, area permission and TV wall permission as needed.

Click to modify the permission group; click to delete the permission group.

12 Operation and Maintenance Management

12.1 Check and Export Log

Go to Home \rightarrow Operation and Maintenance Management.

Click the "Check and Export Log" tab as shown below. All types of logs can be searhed and exported here.

Check and Export Log Backup and Restore Configuration Online Status Status Log								
All Types	Alarm Log	Operation Log Config I	og Exception Log					
Start Time 🙎	019-06-19 00:00:00 🗘	End Time 2019-06-19 23:59:59	Search Export					
No.	Main Type	Record Time	Node Name	Sub Type 🗸 🗸	User Name	User Address	Details	Record Pl
1	Alarm Log	2019-06-19 17:28:25	IPC	Channel-Face Det	None	None		
2	Alarm Log	2019-06-19 17:28:07	IPC	Channel-Face Det	None	None		
3	Alarm Log	2019-06-19 17:27:41	IPC	Channel-Face Det	None	None		
4	Alarm Log	2019-06-19 17:27:12	IPC	Channel-Face Det	None	None		
5	Alarm Log	2019-06-19 17:26:33	IPC	Channel-Face Det	None	None		
6	Alarm Log	2019-06-19 17:26:22	A3H-2MP-20-210	Channel Offline	None	None		
7	Alarm Log	2019-06-19 17:26:22	A3H-2MP-20-210	Encoder-Offline A	None	None		
8	Alarm Log	2019-06-19 17:26:12	2MP A3FR-107	Channel-Motion	None	None		
9	Alarm Log	2019-06-19 17:26:12	2MP A3FR-107	Channel-Face Det	None	None		
10	Alarm Log	2019-06-19 17:25:12	IPC	Channel-Face Det	None	None		
11	Alarm Log	2019-06-19 17:24:41	IPC	Channel-Face Det	None	None		
12	Alarm Log	2019-06-19 17:24:25	IPC	Channel-Face Det	None	None		
13	Alarm Log	2019-06-19 17:23:29	2MP A3FR-107	Channel-Motion	None	None		
14	Alarm Log	2019-06-19 17:23:29	2MP A3FR-107	Channel-Face Det	None	None		
(A1	2010 05 10 17:22:54	IDC	0 F P-4	A1	N I =		>

Select the log type, set the start time and the end time and then click [Query] to search logs. After the logs are searched, click [Export] to export these logs.

12.2 Backup and Restore Configuration

Go to Home → Operation and Maintenance Management. Click "Backup and Restore Configuration" to go to the following interface.

Check and Export Log	Backup and Restore Configuration Online Status Status Log
Backup System Config	uration Restore System Configuration
	ring system configuration takes about a few minutes. After restoring, the management server will restart down the management server while restoring.

You can import the former system configuration files to the new version. Click [Backup System Configuration] in the last version to backup the system configuration files. Then click [Restore System Configuration] in the new version to restore the system configuration.

12.3 Viewing Online Status

Go to Home \rightarrow Operation and Maintenance Management \rightarrow Online Status interface.

You can view the online status of encoding device, decoders and storage servers and the record status of the storage server and encoding devices.



12.4 Viewing Status Log

Go to Home → Operation and Maintenance Management → Status Log interface.

Check ar	id Export Log Backup	and Restore	Configuration	Online State	atus Status Log
Start Time	2019-06-19 00:00:00 💭 E	nd Time 2019	9-06-19 23:59:59	Search	1
No.	Туре	' Record Ti	Node Na	Details	Î
1	Monitor Client online	2019-06	A3H-2MP		
2	Encoding device online	2019-06	A3H-2MP		
3	Monitor Clinet offline	2019-06	A3H-2MP		
4	Encoding device offline	2019-06	A3H-2MP		
5	No recording	2019-06	2MP A3F		•
6	No recording	2019-06	2MP A3F		
7	Recording	2019-06	2MP A3F		
8	No recording	2019-06	2MP A3F		
9	No recording	2019-06	2MP A3F		
10	Recording	2019-06	2MP A3F		
11	Monitor Client online	2019-06	IPC		
12	Encoding device online	2019-06	IPC		
13	Monitor Client online	2019-06	2MP A3F		
14	Encoding device online	2019-06	2MP A3F		
15	Monitor Client online	2019-06	A3H-2MP		
16	Encoding device online	2019-06	A3H-2MP		· · · · · · · · · · · · · · · · · · ·
					I ← ← The 1 /2Page >>> Per Page 50 >> Entry 1-50 Total Entries : 59

In this interface, record status, online or offline status of servers and monitor client can be viewed. Set the start time and the end time and then click [Search] to search status logs.

13 Local Configuration

13.1 Record and Snapshot Setting

Go to Home→Local Configuration.

Save Recording Files To	C:/record				Browse
Save Backup Files To	C:/backup				Browse
Backup File Format	AVI	~			
Save Snapshots To	E:/capture				Browse
Snapshot Number	5	~			
Max File Size for Manua	l Recording and Reco	rd Backup	• 512MB	O 1GB	O 2GB

In this interface, the storage path of recording files, backup files and snapshots, backup file format, snapshot number and max file size for manual recording and record backup can be set up here.

13.2 Local Settings

Go to Home→Local Configuration→Local Setting.

Local Settings			
Auto Startup Auto Login Show tips when the node is offline	Trigger audio when the node is offline	G Full name display for DVR/NVR' s channels	Resource tree automatically expands
New live preview view default substream			
Resource Tree Sorting Rules			
Video Configuration Rules			
Backup client configuration Restore client configuration			
Verify the password before exiting the program O Yes			
Select Language English(United States)			
Time Display Format yyyy-MM-dd hh:mm:ss			
Select the alarm sound file	Browse Test		
Select node dropped sound file	Browse Test		
Select the sensor alarm sound file	Browse Test		
Apply			

Auto Startup: if enabled, the system will automatically start when the computer starts.

Auto Login: if enabled the system will automatically log in when running this software next time.

Auto Startup: if enabled, the system will automatically start when the computer starts.

Show tips when the node is offline: if enabled, the system will pop up tips when there is node offline.

Trigger audio when the node is offline: if enabled, the system will trigger audio when there is node offline.

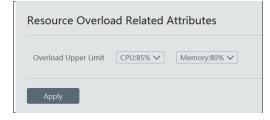
Full name display for DVR/NVR's channels: if enabled, the DVR/NVR's channel name listed in the resource tree will show the DVR/NVR name and the channel name. If disabled, only the channel name is shown.

Verify the password before exiting the program: if enabled, you shall enter the password before exiting the program.

In this interface, you also can select the resource tree sorting rules, video configuration rules, language and upload various alarm audio files. You can click [Synchronize platform time] to synchronize the time of all devices and the platform.

13.3 Overload Settings

This system supports CPU and memory overload protection. When the system overloads, the monitor client will restrict the new live view and playback operation and the overload tip will prompt. Go to Home \rightarrow Local Configuration \rightarrow Overload Setting. Select the overload upper limit and then click [Apply] to save the settings.



13.4 Alarm View Settings

Go to Home→Local Configuration→Alarm View Setting.

Automatic Pop-	up Alarm Page	Full screer	display	when popping up	Full Screen Display	DISPLAY1	\sim
Close Alarm page [Automatically	shut down 🗸	Time	5Second	\sim		
Number of Screens	5 1	\sim					

In this interface, users can enable "Automatic Pop-up Alarm Page" or "Full Screen Display when Popping up", set "automatically /manually close alarm page" and select the number of screens (1/4/6/19 optional).

13.5 OSD Position Configuration

Click Home→Local Configuration→OSD Position Config to go to the following interface.

OSD Position Config	
Drag slider	
Apply	

Drag the slider to the position you want to show the OSD and then click "Apply" to save the settings.

13.6 System Configuration

Click Home→Local Configuration→System Config to go to the following interface.

System Settings	
Alarm preview using third stream Do not display the alarm without schedule	
Same alarm reporting interval: 1 Hour Select associated alarm type	
Synchronize Platform Time Synchronize Devices Synchronize Time Zone	(Automatic synchronization of platform time to equipment every 2 hours)

In this interface, you can enable "Alarm preview using third stream" or "Do not display the alarm without schedule". Enable and set the same alarm reporting interval and its linked alarm type.

Choose "Synchronize devices" and "Synchronize Time Zone" and then click [Synchronize Platform Time] to synchronize the device times with the time of the platform.

13.7 Audio Uploading

Go to Home \rightarrow Local Configuration \rightarrow Audio Uploading. Click [Add] to bring the following box.

Add Delete	Search	2
Audio Na De	lete	
	Audio Uploading ×	
	Browse Test	
	Audio Name Audio sampling rate: 16000Hz, 16bit; monophonic; file size: less than 10M; file format: ".wav" .	
	OK Cancel	

Click [Browse] to choose the audio file and then enter the audio name. Click [OK] to save this audio. After the audio is uploaded successfully, you can listen to it.

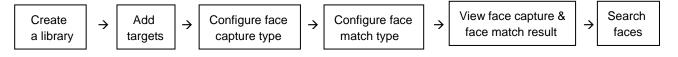
14 Intelligent Management

Before using intelligent functions, please confirm the intelligent analysis server has been already created and it is online. Go to Home \rightarrow Resource Management \rightarrow Intelligent Analysis Server. There is a default intelligent analysis server. Please make sure the server is online.

Add, Edit or Delete Device	Device	e Setting Area Settin	ng Channel (Group Settin	g			
Device Type	^	Server Name	IP Address	Port	Client Co	Authentic	Edit	
Encoding Device (Online/Total	numbe	Intelligent server	10.20.52.7	6069	Online	Online		
Decoder (Online/Total number	r:0/0)							
Alarm Host (Online/Total num	ber:0/0)							
Access Control System (Online	/Total n							
LED Display Device (Online/To	tal numl							
Intelligent Analysis Server (Onl	line/Tota							
Storage Server (Online/Total n	umber:1							
Storage Server (Online/Total n	umper:1							

14.1 Face Surveillance

If it is the first use of face surveillance function, please configure it in the following order.



14.1.1 Object Library

Create and edit object library by going to Home→Object Library.

• Create Object Library

Right click the intelligent analysis server to select "Add" to add an object library.

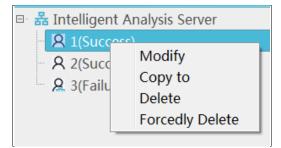
Real-time View Search by Face	Search Object Library Management Configuration		
Intelligent Analysis Server	Delete Add Target Add Multiple Targets Import From Folder Clear All Targets Custom Export Select current Page Reverse select current page Import From Folder Export Select current Page	Search	Q
A yt(Success)			

Add Object Library ×	Add Object Library ×
Lib Name	Lib Name test Protocol Type Face Recognition IPC
Protocol Type Face Recognition NVR Face Recognitio Face Recognition IPC FR Terminal Selectabl FR Box	Face Recognition IPC Selectable Device Selected Device
Third-Party FR Terminal	▲ 🗋 default area
	IPC IPC IPC IPC IPC ICC ICC ICC ICC ICC
□ BlackList ☑ WhiteList OK Cancel	BlackList WhiteList Synchoronous NVR Albun OK Cancel

Object Library Name: please enter the object library name as needed.

Protocol Type: face recognition IPC, face recognition NVR and FR Terminal (Face Recognition Access Control Terminal) are optional. If face recognition IPC/NVR/terminal is selected, please select the corresponding device and click \geq to add the device. Then this library and its targets will be added to the face database of the added device, but the face database and its targets cannot be added to this library.

A menu box will display by right clicking the library name as shown below.



Select "Modify" to modify the library name. Check "Synchronous" and then you can add or delete devices. If adding a device, all targets in this library will be copied to this device. If deleting the added device, all targets of this library will be cleared from this device.

Click "Copy to" to copy the current library (A) and its targets to another library (B) and create library (B). If "Copy to" face recognition NVR/IPC/ terminal is selected, the current library (A) and its targets will be added to the face database of the above-mentioned device.

Click "Delete" to delete the current library.

Forcedly Delete: This function is used to delete the library linking the face recognition NVR/IPC/terminal. When the FR NVR/IPC/terminal is offline or disconnected with the intelligent server, you shall select "Forcedly Delete" to delete the relevant library.

• Add Targets

Then click this object library and click [Add Target] to create a target.

Import Target	×
Delete Add Target Add Multiple Targets Import From Folder Search Result	
Reverse select current page	
Add Togget	
Add Target	
System Volume Information	
Name: Birth Date: 19-05-2	
Gender: Male V Country:	
Add Province: City:	
ID Type: ID Card	🗖 LT.jpg
ID NO.:	
Remark:	
Import	≪ The 1 /1Page >>> > Per Page 10 ∨ Entry 1-2 Total: 2
OK Cancel	

Adding multiple targets:

Delete Add Target Add Multiple Targets Import From Folder Clear All Targets	Custom Export S
Open Source > Pictures >	Dbject ID
组织 ▼ 新建文件块	
Image: Second Places Image: Second Places <td>xiao</td>	xiao
 ▷ ≦ Local Disk (C:) ▷ □ Local Disk (D:) ▷ □ Local Disk (E:) 	
File name:	*.gif) ▼ Cancel

Import from folder:

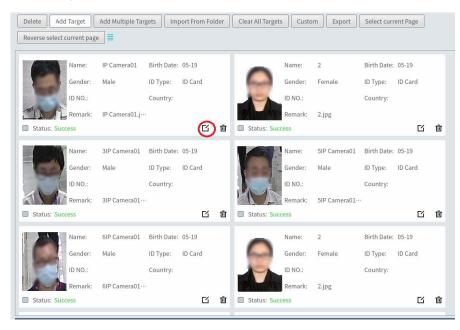
Folder & Subfolders: After clicking [Import from Folder] and choosing "Folder & Subfolders", choose a folder including multiple subfolders and then all pictures in the folder and its subfolders will be imported.

Current Folder: After clicking [Import from Folder] and choosing "Current Folder", choose a folder including multiple subfolders and pictures. Then pictures in the folder will be imported, but pictures in the subfolders will not be imported.

Modify or delete targets:

Click $\ \ \Box$ to modify the information of the target. Click $\ \ \ \ \Box$ to delete the target.

Click [Custom] to customize the target information.





to view the list of the target.

14.1.2 Task Management

Go to Home \rightarrow Face Surveillance \rightarrow Configuration \rightarrow Task.

① Select the schedule and face capture type.

There are two face capture types-face capture by IPC, face match by IPC

Face capture by IPC: if the IPC is a face detection IPC, please select it. It is selected by default. Face match by IPC: if the IPC is a face recognition IPC, please select it.

Real-time View Search by Face	Search Ob	oject Library M	lanagement	Configuration						
Task Link Camera to Sub-screen	Task Link Camera to Sub-screen Face Detection Algorithm Setting Black and white list popBox setting Face access permission setting									
Task							Schedule S	etting		
Monitoring Point	Apply						Add	Delete	Search	Q
Search Q B- 🛕 default area (Online/Total nu····		Object Lib…	Edit	Face Capture by IPC	edule of so… 🗸			 Schedule ···· 	Edit	Delete
 200 (Online/Total number:… 10.100.10.75 8443 CAM001 	facial ipc	1, nvr		Face Match by IPC				7*24		Ū
IPC				Empty				5*24		
■• IPC facial ipc										
nvr_IP Camera01										

② Set face match type.

Face Match by IPC: select the IPC, click *integrate of the superstate of the superst*

2	Channel Na	Object Lib	E	dit	Schedule		Face Captu	re So	\sim		
	IP Camera01	2			7*24		Face Captur	e by IPC	2		
			bjec	t Libr	ary Tasl	< Se	etting				×
I	Object Libr	ary List^	Add	ed Ob	oject Libr	ary					^
	□-	· · · · ·	NO	ntellig	ent Serve	oject	Library Nar	Al	arm 1	Туре	
	– <mark>A 2(Succ</mark> – <u>A</u> 3(Failu		1	Intelli	igent		2	Unma	tched	<u> </u>	>
	Double click the	e library nam	e to ad	ld; dou	ble click t	he a	dded object	library Ok		nove Canc	

Schedule and face match configuration of NVR:

You can log in the web client of the NVR and then configure the schedule of face match, select the face group and set the similarity to realize the auto report of the face match result as shown below.

			Camera Name	IPC2333			
			Face Rec	ognition	LPF	R	
Live Display Playback	Search and Backup Intelligent A	nalysis Function Panel	Detection	Recognition	Detection	Recogn	
R. Event Notification	Function Panel Face Recognition		Face Data	abase 🥕	Plate Data	base 🥕	
Alarm-out E-mail Display Buzzer Push Message Audio Light	Camera Name	IPC2333 ~	Enable I Succe Parameter Settings	essful Recognition Successful Recognition	0		
Alarm Server	Face Recognition	LPR	- arameter settings		Stranger		
6	Detection Recognition	Detection Recognition	Face Group	More 🗹 All	01;		
Face Recognition [LPR]	Face Database 🧼	Plate Database 🌧	schedule	24x7	Schedule Manag	ement	
People/Vehicle Perimeter More	Enable Successful Recognition	Stranger	Text Prompt				
	Parameter Settings Successful Recogn	nition Stranger	Enable alarm out	tput pulse(Access Cor	ntrol)		
General Event	Face Group	Similarity(%)	Trigger General		Record Configure	ŀ	
Combination Alarm IPC Offline Exception Handling Settings	01 75		Push		IPC2333		

The alarm type: Matched or Unmatched can be optional.

If "Matched" is enabled, a) when the captured face picture is successfully matched, this result will be pushed to the alarm service and then the match pictures will be shown in the Real-time View interface of Face Surveillance module; b) when the captured face picture is unsuccessfully matched, this failure result will be pushed to the alarm service and the picture will be shown in the Real-time View interface of Face Surveillance module too.

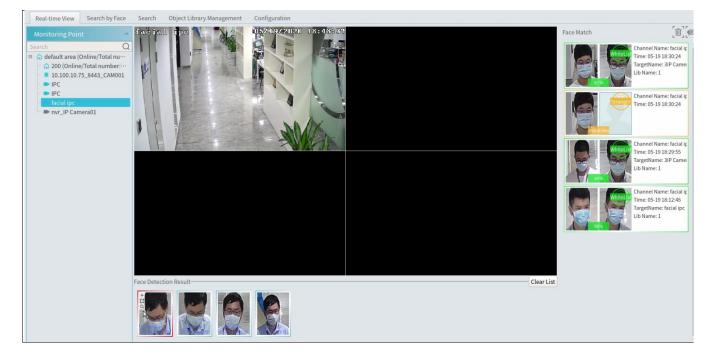
If "Unmatched" is enabled, a) when the captured face picture is successfully matched, this result will not be pushed to the alarm service;

b) when the captured face picture is unsuccessfully matched, this failure result will be pushed to the alarm service and the picture will be shown in the Real-time View interface of Face Surveillance module.

Note: If the schedule is not set, the match result will not be pushed.

14.1.3 Real-Time View

If the IPC supports face detection, you will view the face capture picture. The screen display mode: 1/4/9/16 can be selected.



Put the cursor on the captured picture and then click + to add the capture picture to the library. Select the library on the left and then fill out the information of this target. Click [OK] to add.

		A	dd to Object L	.ibrary			×
	Object Library List 🔷	Add Targe	:t				^
	 B Metelligent server A 1(Success) A nvr(Success) A vr(Success) A vt(Success) 	Name: Gender:	facial ipc Male		Birth Date: Country:	19-05-2020	
R.		Province: ID Type:	ID Card	~	City:		
trial inc		ID NO.: Remark:				OK Can	ncel

Put the cursor on the captured picture and then click 🔟 to quickly search images by this picture.

Face Reco	gnition NVR	~ *	Search Result						
Search		Q	Track List V	iew E-N	lap Track View				
- 🗌 🏠 121 - 🗌 🏠 2818	1	Î		No.	Time	Monitoring Point	Picture	Record Playback	
	.100.10.135_6036			1	2020-04-11 15:25:32	225-1		۲	
- 🗌 🏠 17	2.16.48.191_6036 2.16.48.194_6036 2.16.48.195_6036	v		2	2020-04-11 15:25:33	225-1		۲	
Select Image				3	2020-04-11 15:25:33	225-1		۲	
				4	2020-04-11 15:25:34	225-1		۲	
tart Time	2020-04-11 00:00:00	\$		5	2020-04-11 15:25:34	225-1		۲	
nd Time /lax. Number	2020-04-11 23:59:59 100	\$			2020 04 44 45 25 24				

Put the cursor on the captured picture and then click 📓 to quickly download the captured picture.

The right panel of the real-time view interface is face match result area. Click it to view the matched details

Click	it	to	view	the	mate	hed	d	letai	ls.

		Verified T	arget Info	×
Alarm Resourc	e: facial ipc	Alarm Tim	ne: 2020-05-19	18:30:24
	+ 81%	WhiteList		
Name	3IP Camera	01	Gender	Male
Birth Date	2020-05-19		Lib Name	1
ID Type	ID Card			
ID No.				
				OK Cancel

ClickImage: to clear all face match result.ClickImage: to hide the unmatched result.

14.1.4 Search

- ① Go to Face Recognition \rightarrow Search interface.
- 2 Select the IPC and picture source.
- 3 Select the captured match pictures from intelligent server or face recognition NVR.
- 4 Set the start and end time and then click [Search] to search the face pictures.



Put the cursor on the captured picture and then some shortcut buttons will be displayed.



Click + to add the capture picture to the library. Select the library on the left and then fill out the information of this target. Click [OK] to add.

Put the cursor on the captured picture and then click _____ to quickly search images by this picture. Put the cursor on the captured picture and then click 📓 to quickly download the captured picture.

14.1.5 Search Image by Image

① Set the schedule and make sure all channels can be recorded normally.



- ② Select a picture and picture source.
- ③ Set the start time and the end time.
- (4) Set the maximum count and similarity.
- ⑤ Click [Search].

Click

to play the record in a small window.

Real-time V	iew Search by Face	e Se	arch Obje	ct Library Man	agement Con	figuration			
	nition NVR		earch Result						
Search		Q	Track List V	iow E-Ma	p Track View				
B· 🗌 🏠 defau	ult area	~	THUCK LIST V	Ema	p muck new				
- 🗆 🏠 20				No. 🔺	Time		Monitoring Point	Picture	Record Playback
Select Image									
Start Time	19-05-2020 00:00:00	÷							
End Time	19-05-2020 23:59:59	$\hat{}$							
Max. Number	100								
Similarity(%)	20								
S	earch Previous	Next	Select All	Reverse	Clear All	Playback Selection			

• E-Map Track View:

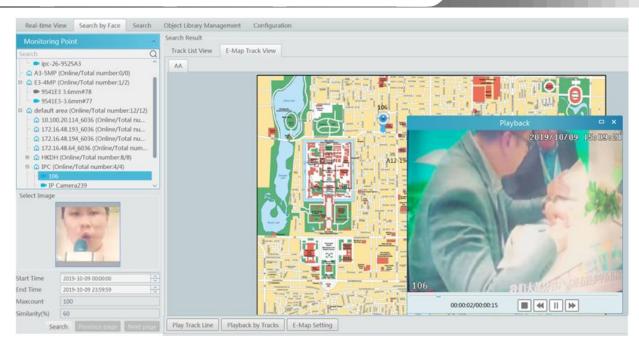
① Create a E-map. You can create or delete an E-map in this interface. The hot spot can be added to the E-map too.

	E-Map Setting	×
Map Management	Create Map Modify Map Delete Map	
Search Q	Create Map Map Name Parent Map P1 Map Type OBaidu Map Picture Map Map File OK Cancel	
Monitoring Point Sensor		
Subsystem ×		
Zone 🗸		
Door v		

② Search the track

Click [Play Track Line] to play track line.

Click [Playback by Tracks] to play back records as shown below.



14.1.6 Configuration

① Set the schedule.

Task	Link Camera to Sub-screen	Face Detect	tion Algorithm	Setting	Black and white list popBox setting Fa	ace access pern	nission settin	g		
Task						S	Schedule Sett	ing		
Mo	onitoring Point	Apply					Add	Delete	Search	Q
	default area (Online/Total nu…	Channel N…	Object Lib…	Edit	Face Capture S… 🗸 Schedule of so… 🚿	~		Schedule …	Edit	Delete
	 200 (Online/Total number:… 10.100.10.75 8443 CAM001 	facial ipc	1		Face Match by IPC 7*24			7*24		Ū
	■ IPC							5*24		
	Facial ipc									
	nvr_IP Camera01									

2 Face Detection Algorithm Setting

Set the similarity of face match by default and FTP as needed.

If FTP is configured, the captured face pictures will be automatically uploaded to FTP server

Task	Link Camera to Sub-screen	Face Detection Algorithm Setting
Similari	tv	
Similari	ty(%) 20	
		Refresh OK
Send Ca	ptured Pictures to FTP	
🗌 Enab	le FTP	
FTP Ser	ver Address	
FTP Ser	ver Port 21	
FTP File	Path /	
🗌 Anon	lymous	
User Na	me Passwo	rd
		Refresh OK

③ Pop-up Window Setting

Black list	O Pop up	Don't pop up
White list	O Pop up	◉ Don't pop up
Stranger	○ Pop up	● Don't pop up
Duration Time of VIP Box (s)	○ Always s	how Automatically hide (after 3s) Automatically hide (after 5s) Automatically hide (after 10s)
Apply		

In this interface, you can choose whether to pop up the window when the camera detects a stranger or the person of blacklist or white list. Additionally, you can choose the duration time of VIP Box(s).

④ Link camera to sub-screen:

If the sub-screen is connected, the system will automatically recognize it. In this interface, you can configure cameras for face attendance and face greeting

r .				
Task	Link Camera to Sub-screen	Face Detection Algorithm Setting	Pop-up Window Setting	Face access permission setting
		Double cli	ck the following boxes to add or	modify cameras. After these cameras used for face comparison are added, the match result will be displayed on the sub-screen accordingly Note: The cameras shall be reconfigured after reboot
		Face Attend	dance Fa	ace Greeting



Double click the blank area of the screen box as shown on the above left to pop up a box. Check the channel name and click 🔰 to add it.

14.1.7 Face Recognition Terminal Access and Configuration

The setting steps are as follows:

1. Log in the Face Recognition Access Control Terminal (FR Terminal): If this is the first use of FR Terminal, please configure its IP address first. Click the menu icon in the bottom right corner of FR Terminal to pop up a login box. Enter the password and click [OK].



2. Modify the IP address of the FR terminal. Click Settings \rightarrow Ethernet Setting \rightarrow Ethernet IP Mode \rightarrow Static to modify IP address.

Settings Exposure Settings	Wireless & networks	1P address 172.16.47.135	Ethernet Ip mode	Ethernet IP address h72.16.47.135
Antibanding mode	Tethering & portable hotspot	netmask 255.255.255.0	A statis	Gateway
System Configuration	VPN	gateway 172.16.0.1	static	172.16.0.1 netmask
Ethernet Settings	Cellular networks	dns1 192.168.0.5	() dhcp	255.255.255.0
ViFi Settings	Mobile plan Network settings reset	dns2 116.116.116.116	- unop	DNS 1 192.168.0.5
	Ethernet	Ethernet Ip mode	О рррое	DNS 2 116.116.116

3. Create API in the web client of FR Terminal to get username and password.

Note: Only Google Chrome can be used to log in the FR Terminal. Please enter <u>http://ip:8081</u> in the address bar of Chrome. The default user name is admin and the default password is admin too.

Go to the API interface to create the ClientID and ClientSecret as shown below.

Self-define the ClientId and ClientSecret.

	简体 繁體 English Username 🔍 admin
	Password
	Change Password Login
(Q) admin	Central Management System vi sprei (## (## Central Management System)
8 ≡ staff	My Application Create
-ݣ Alarm E Attendance	Cientid : arbc478075ebbe5ba29d225f7ac35e74 Application Instructions : Delete Cientid : 36715f29f03000005 Application Instructions : Delete
Passage API interface Configuration	

4. Platform access:

Note: The FR terminal only can be controlled by one platform. Please do not connect one FR terminal to multiple management platforms.

Start the monitor client and then go to the "Add, Edit or Delete Device" interface. Choose "Encoding Device" and then click [Add]. Click the "Manually Add" tab to add a FR terminal. The protocol shall be "FR Terminal".

Device Type 🛛 🔨 🔨	Add Delete S	elect Area Select	Transfer Server	Select Storage Se	erver Batch	Upgrade for	IPC Batc	h Upgrade for A	NPR Camera
Encoding Device (Online/Total numbe			A	dd Encoding D	Device				×
Decoder (Online/Total number:0/0)	Quickly Add Man	ally Add Initiative	ly Report						
Alarm Host (Online/Total number:0/0)	- ,								
Access Control System (Online/Total n LED Display Device (Online/Total numl	IP Address/IP Rang	ge/Domain Name/URI	. F	Protocol	Port	User Name	Password	Test	Delete
Intelligent Analysis Server (Online/Tota	IP Add	ress:0.0.0.0	Standard	Device 🗸	6036	admin	•••••		
Storage Server (Online/Total number:1			Standard	Device					
Media Transfer Server (Online/Total n			Hikvision						
Access Server (Online/Total number:1/			Dahua						
Alarm Server (Online/Total number:1/:			ONVIF						
TV Wall Server (Online/Total number:1			PMS						
			FR Box						
			Third-Par	ty FR Terminal					
			Traffic jan	n IPC					
			FR Termin	nal					
									>
	50	lect Transfer Server 1	Francfor convor	$\mathbf{\vee}$	Coloct Sto	rago Convor	Storage serve	er 🗸	
	561				_	(
		Select Area	🕤 default area	\sim		.reate Area	Automatica	illy Link Area	
						C	Default passwo	ord OK	Cancel
						_			
		Ado	l Encoding	Device					
			<u> </u>						
uickly Add Manually Add	Initiatively Rep	ort							
IP Address/IP Range/Domai	n Name/URL	Protocol	Port	User Name	Passwo	ord	Test	Delete	
IP Address:0.0.0.	.0	FR Terminal	8081				Test		
IP Address:0.0.0.	0	Standard D	6036	admin	•••••				
	.0	Standard D	6036	admin	•••••				

The username must be the same with the ClientId of the FR Terminal.

The password must be the same with the ClientSecret of the FR Terminal.

Please get the ClientId and ClientSecret from the web client of the FR Terminal (See Step 3 for details).

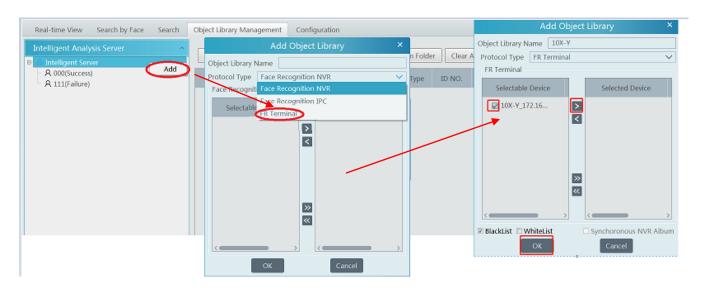
5. Link the FR terminal to a library

(1) Add a library and create a blacklist or white list.

Go to Face Surveillance→ Object Library Management interface. Right click the intelligent server name and then click "Add" to add a library.

Protocol Type: please select FR Terminal.

Enter the library name and select the FR terminal. Then check blacklist or white list.



(2) Add targets

Select the library linked to the FR terminal and then click [Add Target] to add targets as shown below.

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Real-time View Search by Face	Search Object Library Management	Configuration	
Intelligent Analysis Server □ ♣ Intelligent Analysis Server □ ♣ 22(Success)	Delete Add Target	Add Multiple Targets Import F	rom Folder Clear All Targets Apply X Priority
 - A 555(Success) ▲ 10X-Y(Success) 			Normal
	()	Open ○ ○ ○ □ ↓ Libraries → Pictures →	▼ 4 Search Pictures
	Name: Country: ID Type: ID Card Remark:	 ★ Favorites Desktop Dounloads Recent Places ↓ Libraries ↓ Local Disk (C) ↓ Local Dis	2,jpg 3,jpg 4,jpg 2,jpg 3,jpg 4,jpg 0,jpg 7,jpg 8,jpg 10,jpg 1,jpg 1,jpg 10,jpg 1,jpg 1,jpg
	Authentication Server		Open Cancel

(3) Go to the web client of the FR Terminal to view whether the target pictures are added successfully.

(Q) admin	Central Mana	gement System vi. SPRE1	简体 繁體 English	⊖ Logout
A≡ statt	Search Q	Search Q	Add Import	
Alarm	All Black List	Name : 1 Staff No. : Card No. :	Name : 8 Staff No. : Card No. :	
Attendance © Passage	Visitor VIP	Dept.: Black List Valid : Forever Update Time :2019-09-26 10:42:04 Edit	Dept.: Black List Valid : Forever Update Time :2019-09-28 10:41:57 Edit	
API interface	Other	Name : 6 Staff No. : Card No. : Dept. : Black List	Name : 4 Staff No. : Card No. : Dept : Black List	
Configuration		Valid : Forever Update Time :2019-09-26 10:41:52 Edit Name : 9	Valid : Forever Update Time :2019-09-26 10:41:46 Edit	
		Staff No. : Card No. : Dept. : Black List Volid : Economy	Staff No. : Card No. : Dept. : Black List Mellet : Eerouor	

(4) Face Access Permission Setting

Please enter the following interface and then click [Add User] to bind the user and face access control terminal. Drag your mouse to select the user on the left panel and then select the face access control terminal. Click \geq to select it. Then click [OK] to save the settings.

Task	Link Came	/	Face access permission added ×	Face access permission setting
Delete	Add Use	Select the target user	Select the face access guard	Search
_	\sim	Search Q	Selectable Device Selected Device	
	Edit		▲ 🗌 default area	
		- 3IP Camera01	□ 10.100.10.75_8···· <	
		5IP Camera01		
		- IP Camera01 - YU		
		facial ipc		
		facial ipc	>	
		□ A nvr □ 2	×	
		IP Camera01 🗸	************************************	
		Support Ctrl multi selection	OK Cancel	

After that, the user will be listed in the table. Click 🔟 to change the face access control terminal. Click 🔟 to delete this user.

(5) Configure the schedule and library.

Click Face Surveillance \rightarrow Configuration \rightarrow Task to go to the Task interface as shown below. Select the FR terminal in the monitoring point list and then click \square to select the object library and alarm type. Then set the schedule and face capture source.

Monitoring Point	Apply				
Search Q default area (Online/Total nu…	Channel N…	Object Lib…	Edit	Face Capture S… 🚿	Schedule of so… 🗸
 ¹ 200 (Online/Total number:… ² 10.100.10.75_8443_CAM001 ² IPC ¹ IPC 	10X-Y_172.1	pb		Face Match by IPC	7*24
■ 10X-Y_172.16.47.135_CAM001 ■ nvr IP Camera01					•

The alarm type: matched or unmatched can be optional.

If "Matched" is enabled, a) when the captured face picture is successfully matched, this result will be pushed to the alarm service and then the match pictures will be shown in the Real-time View interface of Face Surveillance module; b) when the captured face picture is unsuccessfully matched, this failure result will be pushed to the alarm service and the picture will be shown in the Real-time View interface of Face Surveillance module too.

If "Unmatched" is enabled, a) when the captured face picture is successfully matched, this result will not be pushed to the alarm service; b) when the captured face picture is unsuccessfully matched, this failure result will be pushed to the alarm service and the picture will be shown in the Real-time View interface of Face Surveillance module.

If the schedule is not set, the match result will not be pushed.

(6) View the face match alarm information

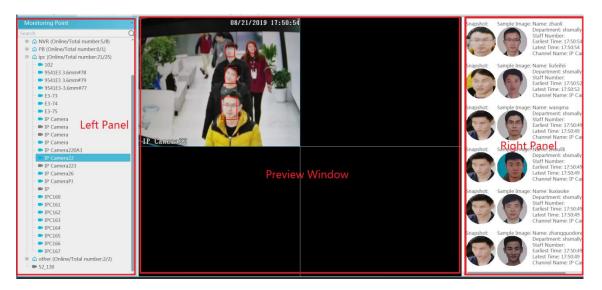
After you configure the above items, you can view the alarm information in the Real-time View interface of Face Surveillance module. You can also go to the web client of FR terminal to view the alarm information.

14.2 Face Greeting

Click "Face Greeting" to go to the face greeting interface. The setting steps are as follows:

- ① Create an object library and add targets for this library in the VIP Management interface (See 14.1.1 Object library for details).
- ② Select the schedule, face capture type and face match type in the Task interface(See 14.1.2 Task Management for details).
- ③ Set camera deployment. Drag the camera name to the preview window. When there are targets detected, the match result will be

displayed on the right panel.



(3) View the match result of the greeting screen. Go to Face Surveillance \rightarrow System \rightarrow Select projection compare channels to configure cameras used to compare faces. In this interface, right click on the small screen to select "Projection" to select face greeting screen. Then you will see the face display on the face greeting screen as shown on the below.

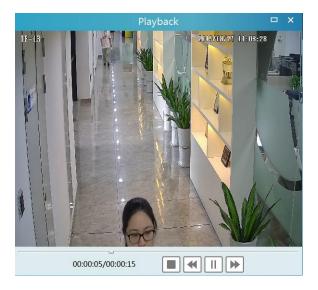
Real	-time View	Search by Face	Search Ol	bject Library Management	Configuration
ask	Link Came	ra to Sub-screen			
			Double cli	ck the following boxes to add o	r modify cameras. After these cameras used for fa
				Face Attendanc	e Face Greeting
			Screen 1	Double click to select or ch	ange chan 52_130 Device Name_IP Camera81 Device Name_IP Camera Device Name_IP Camera Device Name_IP Camera112E3 Device Name_IP Camera220A3 Device Name_IP Camera223 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP CameraPJ TD-E10X-Y_172.16.53.240_CAM001 102



④ Search the face greeting records. Click "VIP Search" tab as shown below.

VIP	P Management Task Camera Deployr	nent VIP	Search Di	isplay Settin	9							
VIPL Search - A 1 B- A 2	n Q 1		(3) Helen		Start T	ime 2019-0	18-27 00:00:00	End T	ime 2019-08-27 23:59:59	÷	Search	
	Hua P-13	NO	Name	Gender	VIP Level	Registrati	Phone Number		Time	Picture	Playback	
- L	lli Siyii Gao	1	Helen	Male	Normal	2019-08-23		2	019-08-27 11:08:50		۲	
							[44	The 1	/1Page ▶ 🕨 Per Pa	ige 50 🗸	Entry 1-1 Tota	l Entries : 1

You can enter the key word to search the target or manually select the target from the library. Then set the start time and the end time and click "Search" to search the record. The detailed information of this target will be viewed. Click 🕑 to play the record.



(5) Display Setting. In this interface, greeting screen background style, screen mode, VIP box style, face greeting language and so on can be set up.

VIP Management	Task	Camera Deployment	VIP Search	Display Setting
Greeting Screen Bac	kground St	tyle Video	✓ Scree	n Mode 1 🗸
	VIP Box St	tyle With borders 🗸		
Greet	ing Langua	welcome		
Max. Number of	VIP Box (1	-5) 3		
Duration Time	of VIP Box	(s) 5		
L	oop Playb	ack		
Single VIP Cy	cle Time(M	in.) 20		
Single VIP Box Size	(ranges fr 1% to 99	om 60		

Greeting Screen Background Style: three options: Video, Background Picture and Pure Color Background

Screen Mode: 1/4/9/16 screen display mode can be selected.

VIP Box Style: with borders or pure image.

Face Greeting Language: please enter the content as needed.

Max. Number of VIP Box: up to 5 boxes.

Duration Time of VIP Box: set the duration time of VIP box appearing after the captured face is matched successfully.

Loop Playback: if enabled, the VIP name will be broadcasted in a loop.

Single VIP Cycle Time: set the time of the single VIP name broadcasted.

Single VIP Box Size: set the percentage of VIP box size occupying the entire screen.

14.3 Face Attendance

Click "Face Attendance" to go to the face greeting interface. The setting steps are as follows:

① Click the "Staff Management" tab to create an object library and add targets for this library (See 14.1.1 Object library for details).

② Click the "Task" tab to select the schedule, face capture type and face match type (See 14.1.2 Task Management for details).

③ Set camera deployment. Drag the camera name to the preview window. When there are targets detected, the match result will be displayed on the right panel.



(3) View the match result of the sub-screen. Go to Face Surveillance \rightarrow System \rightarrow Select projection compare channels to configure channels used to compare faces. Right click on the screen to select "Project onto" to select sub screen. Then you will see the face display on the sub screen as shown on the below.

Real	-time View	Search by Face	Search	Object Library Management	Configuration
Task	Link Came	ra to Sub-screen	Doubl	e click the following boxes to a	dd or modify cameras. After these cameras used for face
				Face Attend	ance Face Greeting
			Screen	Double click to select o	S2_130 S2_130 Device Name_IP Camera81 Device Name_IP Camera Device Name_IP Camera Device Name_IP Camera112E3 Device Name_IP Camera220A3 Device Name_IP Camera220A3 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP Camera4835 Device Name_IP Camera7 Y 9541E3 3.6mm#78





(5) View the attendance records. Select the target and search condition (by day, by week, by month, etc.) to search the records as below.

Staff Management Can	nera Deployment	Task Attend	dance Record Wo	orking Day Setting							
Staff List		Search by Day	Search by Week	Search by Month	Customize	Filter by contidion			(Q Expo	ort
Search	Q	NO	Name	Staff Numb	er	Time	Earliest Time	Latest Time	Earliest Re	Latest Rec	De
 R 2 2_dep □ IP-13 □ Desktop □ Litian □ Zhang □ Helen − Hua − Lili − Siyii − xiao ■ R 3 □ image 		1	Helen			2019-08-27	11:08:50	11:08:50		•	000
Na	me _{Helen} ent _{image} ber	<									>

Click "Export" to export the attendance record. You can open the exported record file by Microsoft Excel. The earliest record and the latest record can be played by click the corresponding play button.

⁽⁶⁾ Working day settings

Working Day	🖉 Mon. 🖉 Tue. 🖉 Wed. 🖉 Thu. 🖉 Fri. 🗌 Sat. 🗌 Sun.
Working Start Time	09:00:00
Lunch Time	12:00:00
Working End Time	18:00:00
Work In Out Time	20:30:00
	Apply

Please set the working day and working time as needed.

14.4 Line Crossing Counting

14.4.1 Task Management

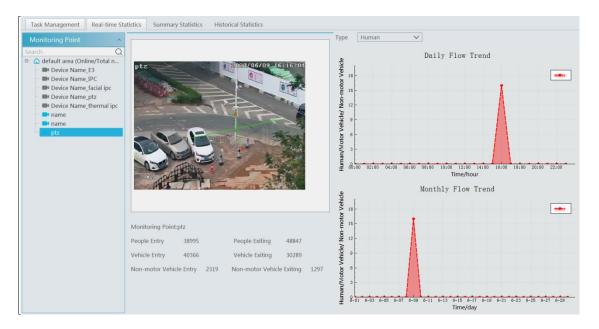
Go to Home \rightarrow Line Crossing Counting \rightarrow Task Management. Click the camera with the line crossing counting (or target counting) function and then select the schedule. After that, click [Apply] to save the settings.

Task Management Real-time Stat	istics Summary Statisti	cs Historical Statistics
Monitoring Point	Apply	
Search Q	IP Channel Name	Schedule 🗸
 200 (Online/Total number:… 10.100.10.75_8443_CAM001 	IP Camera01	OFF
- = IPC - = IPC	facial ipc	7*24
facial ipc	IPC	7*24
nvr_IP Camera01	IPC	7*24
	CAM001	OFF

14.4.2 Real-time Statistics

Go to Home \rightarrow Line Crossing Counting \rightarrow Real-time Statistics. Double click the camera with the target counting function to view the live image. The camera will automatically count the number of people/motor vehicle/non-motor vehicle crossing the predefined line and the system will automatically analyze the daily and monthly flow trends.

Before view the statistics, please go to Home \rightarrow Resource Management \rightarrow Device Setting \rightarrow Line Crossing Counting interface to set the alert line, entrance/exit, detection target, etc.



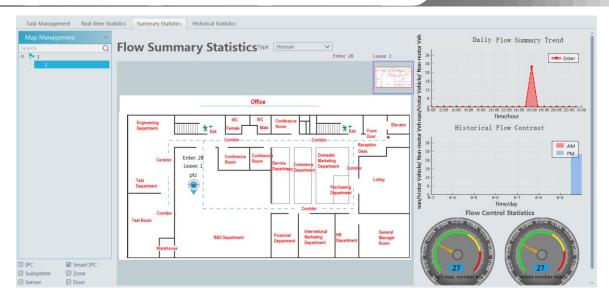
Please select the type as needed to view the flow trend.

14.4.3 Summary Statistics

Go to Home→Line Crossing Counting→Summary Statistics.

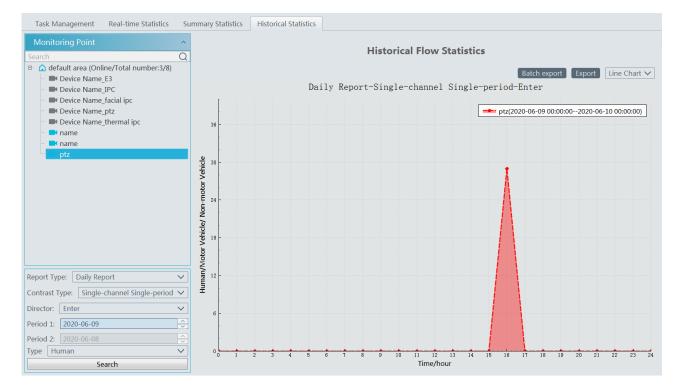
Before setting summary statistics, please set E-Map by going to Home \rightarrow E-Map \rightarrow E-Map Setting first. Drag the camera with the line crossing counting function to the specified area.

Then return to the summary statistics interface. The results of summary statistics of the specified multi-channel can be viewed.



14.4.4 Historical Statistics

Go to Home \rightarrow Line Crossing Counting \rightarrow Summary Statistics. In this interface, the statistic results in a long period of time can be searched which can be shown in histogram or curve chart. Additionally, the statistics of different targets can be viewed here.





14.5 Access Control Management

status.

Before using access control management system, please make sure whether the access server is online. Go to Home \rightarrow Resource Management \rightarrow Access Server. There is a default access server which can be modified. Please confirm its online

Add, Edit or Delete Device Devic	e Setting	Area Setting C	hannel Group Se	tting						
Device Type	Add	Delete						Search		
Encoding Device (Online/Total number Decoder (Online/Total number:0/0)		Server Name	IP Address	Port	Subsyste	Zone Nu	Client Co	Authentic	Edit	Delete
Alarm Host (Online/Total number:0/0)		Access server	10.20.52.7	6013	0	0	Online	Online		
Access Control System (Online/Total n										
LED Display Device (Online/Total num										
Intelligent Analysis Server (Online/Tota										
Storage Server (Online/Total number:)										
Media Transfer Server (Online/Total n										
Access Server (Online/Total number:1/										
Alarm Server (Online/Total number:1/:										
TV Wall Server (Online/Total number:1										

A new access server can be added by auto search or manual adding.

Add		rver Name	IP Addre	ess	Port	Subsyste Access S	Client Co	Search Authentic	Edit	Delete ×
	Quickly A		ally Add		, taa	Accession	S	Server Quantit	y:1 Refr	esh
		IP Ad	dress	Port						
		10.100	0.10.35	6013						
								ОК	Can	cel

Then add access control system. Go to Home→Resource Management→Access Control System. Then click "Add" to add.

Add, Edit or Delete Device Device	Setting	Area Setting	Channe	el Group Settir	ng						
Device Type	Add	Delete							Search		
Encoding Device (Online/Total numbe Decoder (Online/Total number:0/0)		System N	Туре	IP Address	Port	KEY	Select Ac	Online St	Edit	Delete	
Alarm Host (Online/Total number:0/0)											
Access Control System (Online/Total n LED Display Device (Online/Total numl											

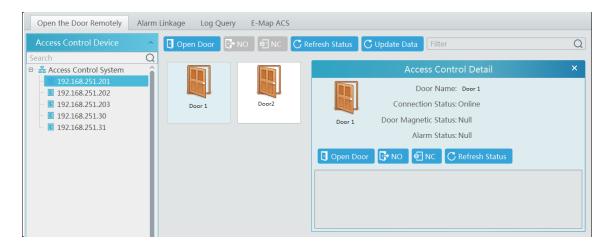
14.5.1 Remotely Open the Door

Go to Home→Access Control Management.

The access control devices are listed as shown below. Double click a device to display the doors controlled by this device.

Open the Door Remotely	Alarm	Linkage Log Q	uery E	E-Map ACS	S			
Access Control Device	^	Open Door	P NO	€. NC	C Refresh Status	C Update Data	Filter	Q
Search	Q							
🗉 😤 Access Control System	â							
- 192.168.251.201								
192.168.251.202								
I 192.168.251.203	- 11	Door 1		Door 2				
I 192.168.251.30	- 11	Door 1						
- 🖬 192 168 251 31								

Double click a door icon to view the detailed information of this door. The door can be opened or closed remotely in this interface by clicking the corresponding buttons.



14.5.2 Alarm Linkage

Go to Home \rightarrow Access Control Management \rightarrow Alarm Linkage. In this interface, the alarm linkage related to the door can be set up.

Open the Door Remotely	Alarm	Linkage Log Query I	E-M	ap ACS									
Access Control System	^	All ON All OFF			Apply								C
Search Access Control System	Q	Name		Audio 🗸	PTZ Control 🗸	Record 🗸	Alarm View 🗸	Snapshot 🗸	Alarm Output 🗸	Voice Broa 🗸	Open Door 🗸	TV Wall 🗸	Schedule
Access control system		192.168.249.100-1	\sim	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		192.168.251.232-1	\sim	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		1	\sim	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		20	\sim	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		2	~	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		20.4	~	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

14.5.3 Log Query

Go to Home \rightarrow Access Control Management \rightarrow Log Query.

The alarm information of the access control devices in a long period of time can be searched in this interface. The relevant linkage record and snapshot also can be viewed.

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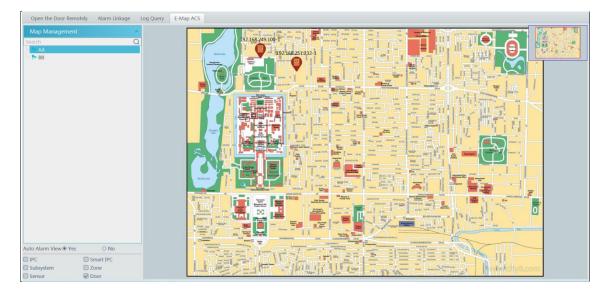
	Open the	Door Remotely Alarr	n Linkage Log Query E-Map A	ACS				
5	tart Time	2019 <mark>-08-19 00:00:00 😂</mark> E	nd Time 2019-08-19 23:59:59 🗘 Se	earch Export				
	No.	Event Time	Door	Event Type	Details	Record Pl	Snapshot	
	1	2019-08-19 09:25:21	B4:	Door-ACS Alarm				
	2	2019-08-19 09:21:26	Β4	Door-ACS Alarm	Event Type: .	()	\sim	

14.5.4 E-Map ACS

Before setting E-Map ACS, the E-map shall be set first by going to Home \rightarrow E-Map \rightarrow ACS Station. Drag the ACS devices to the specified location of the E-map for monitoring.



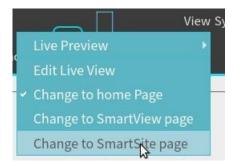
Return to Home→Access Control Management→E-Map ACS interface to view the current status of these access control devices.



When the access control device trigger an alarm, the door icon on the map will jump and the red exclamation mark icon will display in front of the name of the access control device.

14.6 Smart Site View

In the home page, click "View" and select "Change to Smart Site Page".



Face Attendance Settings

- Click Face Attendance → Task → Attendance Settings to go to the following interface. 1.
- 2. Select the area and channel.
- 3. Select entrance or exit.
- Set the task for each channel. Click the "Task" tab to select the schedule, face capture type and face match type (See 14.1.2 Task 4. Management for details).

After the face attendance settings are finished, the attendance record will be shown as follows

16:06:15 2020Year5Month20Day Wed.	Total number of workers 13 14	Number of people on site 1 Number of people leaving
Latest punch	Total number of workers: 13 Image 5 1_dep 8	Today's attendance: 0 Image 1 • 1_dep 0
Department: Image Work type: Status: Punch time: 15:23:42	Number of people on site: 0 Image 0 1_dep 0	Number of people leaving: 0 Image 0 Latep 0

The descriptions of the buttons on the lower left corner

E: Click it to change the library.

- Click it to display full screen.
- Click it to enter the staff management interface

14.7 Smart View

In the home page, click "View" and select "Change to Smart View Page".

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In this page, you can view the statistics of smart events, such as license plate recognition, face recognition, line crossing human/vehicle counting. Click to enter the corresponding intelligent analysis configuration interface.

15 Parking Lot Management

Before using parking lot management module, please add ANPR cameras first in the resource management interface.

15.1 System Settings

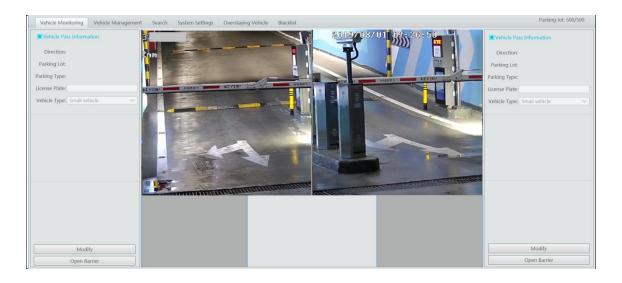
(1) Enable the parking lot. Go to Home \rightarrow Parking Lot Management \rightarrow System menu as shown below. Select Entrances Config tab and then click the main park. Enable this main parking lot, its sub parking lot and gateway and lane.

Vehicle Monitoring Vehicle Management	Integrate Search System Overdue	Parking Blacklist Parking lot: 500/500
System ^ Entrances Config Charge Config	Closing the gate barrier delay time(s) 1 The lane of the left monitoring window:	
Period Config	Main Park Sub Park1 Gateway1 Lane2(Not Enabled) Gateway2 Sub Park2(Not Enabled) Sub Park3(Not Enabled) Sub Park3(Not Enabled) Gateway1 Gateway1 Gateway3 Gateway3 Gateway4	Lane Name Lane1 Enable Lane Type Entrance Auto Release Rule Fixed Vehicle Release Temporary Vehicle Release Not bound license plate grab machine
		Not bound LED screen bound LED screen

② Bind the ANPR cameras. Please bind the ANPR cameras to the activated lane. Choose the ANPR camera and then click 🔰 to add it.

Click [Apply] to bind this camera to the lane. Choose the ANPR camera and then click **S** to unbind it.

Set the corresponding lane of the monitoring window. Then click [Apply] to save the settings. After that, you can go to the vehicle monitoring interface to view the live images of the left and right lane.



③ Bind LED Screen. Choose the LED screen and then click \triangleright to add it. Click [Apply] to bind this LED screen. Before binding the LED screen, please go to Home→Resource Management→LED Display Device interface to add LED screen. In the following interface, click [Add] and then enter the IP address port of the LED display screen. Click [OK] to save the settings.

Add, Edit or Delete Device	Device Setting	Ai	rea Setting	Channe	l Group Setti	ng						
Device Type	Add	De	elete									Search
Encoding Device (Online/Total n Decoder (Online/Total number:1		D	evice N A	larm Type	IP Address	Port	Online	e St	Edit	Delete		
Alarm Host (Online/Total numbe						Add LED [Display	/ Devi				
Access Control System (Online/T Cascade Platform (Online/Total I	Device N	ame	Alarm Type	IP	Address	Po	rt	Dele	te			
LED Display Device (Online/Total	num LED Displ	ay M	Normal Scr		0.0.0.0	80)					
Intelligent Analysis Server (Online	e/Tota											
Storage Server (Online/Total nur	nber:1											
Media Transfer Server (Online/To	otal n											

After the LED screen is bound to the corresponding lane, the license plate number will be displayed on this LED screen when there is a vehicle passing.

④ Set the delay time of closing the gate barrier. For example, it is set to 15s. Then the gate barrier will be automatically closed after it is opened for 15s. If "Temporary Vehicle" is checked, the gate barrier will be automatically opened when temporary vehicles and non-blacklist vehicles pass the ANPR camera.

15.2 Vehicle Management

① Link vehicles to the parking lot. Go to the vehicle management interface. Click [Add] and then enter the license plate number, vehicle color, owner name and phone number and choose the parking lot, parking type, vehicle type and start time and end time.

ſ	Vehi	le Monitoring	Vehicle Manager	nent Sear	ch Syste	m Settings	Overstaying	Vehicle Blackli	ist			
	License	Plate:		Search	Add	Modify	Delete					
	No.	License Plate	Parking Lot	Parking T	Vehicle Ty	. Vehicle C	Owner Na	. Owner Tel	Start Time	End	Time	
	1	XXXXXX	Main Park	Linked Ve	Small vehi	. White	ххх	12345678911	2019-09-04 00:00:00	2019-10-03	23:59:59	
							Add	vehicle		×		
				License Pl Parking Ty Vehicle Co	ype Lii	nked Vehicle	~	Parking Lot Vehicle Type Owner Name(*)	Main Park Small vehicle			
				Owner Te Start Time Descriptio	20	19-10-10 00:00:C		End Time Cancel	2019-11-09 23:59:59			

After the vehicle information is added, click this vehicle and then its detailed information will be shown on the right. In this interface, you can renew your vehicle, including 1-month renewal, 3-month renewal, 6-month renewal and 12-month renewal.

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Vehi	cle Monitoring	Vehicle Manage	ment Sear	rch Syster	m Settings	Overstaying	Vehicle Black	list			Parking lot: 500/500
License	Plate:		Search	Add	Modify	Delete					More
No.	License Plate	Parking Lot	Parking T	Vehicle Ty	Vehicle C	Owner Na	Owner Tel	Start Time	End Time	Description	License Plate:xxxxx Parking Lot:Main Park
1	X000X	Main Park	Linked Ve	Small vehi	White	xox	12345678911	2019-09-04 00:00:00	2019-10-03 23:59:59		Parking TypeLinked Vehicle Vehicle TypeSmall vehicle Vehicle Color/White Owner Namexxx Owner Tel:12345678911 Start Time:2019-03-04 00:00:00 End Time:2019-10-03 23:59:59 Description:
							 ∢ € The	1 /1Page	Per Page 50 V Entry	/ 1-1 Total Entries : 1	6-month renewal 12-month renewal

To modify vehicle information:

Choose the vehicle you want to modify and then click [Modify] to pop up the modification window. Change the information as needed.

To delete the vehicle information

Select the vehicle you want to delete and then click [Delete] to delete this vehicle from the vehicle list.

If there are so many vehicles added in the current parking lot, you can view the desired vehicle information by filtering license plate number.

15.3 Vehicle Monitoring

After configuring the ANPR camera binding, allocating the corresponding lanes of vehicle monitoring and adding vehicles to vehicle list, the captured vehicle picture and its detailed information will display on the following interface when the vehicle passes the ANPR camera beside the lane and its license plate number is captured and recognized accurately by ANPR cameras.



If the vehicle passing the lane is neither added to the linked vehicle list nor added to the blacklist and "Temporary Vehicle" in the automatic pass rule is not selected, this vehicle will not be allowed to pass automatically. You must click [Open Barrier] manually to let it go.

15.4 Search

In this interface, the information of the vehicles entering and exiting the parking lot can be searched. Set the filtering condition, such as the start and end time, license plate, vehicle type and lane.

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Vehicle Monitoring	Vehicle Mana	agement	Search S	ystem Setting	gs Overst	taying Vehicle	e Blacklis	st				Parking lot: 500/500
Search ^	Start Time	2019-10-10 0	0:00:00 😌	End Time 20	19-10-10 23:5	9:59 😌 Lice	ense Plate:				Search	Pass picture
Pass Info Search Parking Charge Search	Vehicle Ty	/pe Unselect	ed	∨ Lane	Unselected				\checkmark		Modify	
Payment Info Search	No.	Pass time	License Pl	Licence p	Passing P	Entrance	Lane	Direction	Vehicle T	Operator	Pass type	
												Zoom In Download
												Zoom In Download

Pass record: including vehicle information, entering/exiting time, parking lot, lane, pass type, etc. The pass record also can be modified as needed. Choose the pass record and click [Modify] to modify it.

Additionally, the captured vehicle picture can be viewed on the right by clicking this record inforamtion. Click [Zoom in] to zoom in the picture; click [Download] to download the picture.

Vehicle Monitoring	Vehicle	Management Sear	ch System S	ettings Overstayir	ng Vehicle Blacklis	t							Parking lot: 500/500
Search ^	Start	Time 2019-10-09 00:00:	0 😌 End Tim	e 2019-10-09 23:59:59	License Plate:						Search	Pass picture	
Pass Info Search Parking Charge Search	Vehic	le Type Unselected	✓ 1	ane Unselected			\checkmark				Modify		
Payment Info Search	No.	Pass time	License Plate	Licence plate color	Passing Parking Lot	Entrance	Lane	Direction	Vehicle Type	Operator	Pass type		
	1	2019-10-09 15:45:22	A5136D	Yellow	Sub Park1	Gateway1	Lane1	Entrance	Small vehicle	admin			
	2	2019-10-09 15:42:00	B52698	Blue	Sub Park1	Gateway1	Lane1	Entrance	Small vehicle	admin	Automatic release		
	3	2019-10-09 15:41:42	B52698	Blue	Sub Park1	Gateway1	Lane1	Entrance	Small vehicle	admin	Automatic release		
	4	2019-10-09 15:41:23	B52698	Blue	Sub Park1	Gateway1	Lane1	Entrance	Small vehicle	admin	Automatic release		
												Zoom In	Download

15.5 Parking Overstaying

In this interface, you can check the information of the vehicles which stay in the parking lot longer than the predefined parking duration. Enter the parking duration and then click [Refresh] to display the detail information of overstaying vehicles, such as license plate number, entering time, lane and duration.

Vehicl	e Monitoring	Vehicle Management	Search Syste	m Settings	Overstaying Vehicle	Blacklist	Parking lot: 500/500
Refrest	1						
No.	License Plate	Start Time	Parking Lot	Entrance	Lane	Vehicle Type	Duration of Stay
Parking t	time threshold:	12	hours(1~1000)	Change			I The 1 /1Page >>> Per Page 50 V Entry Total Entries : 0

15.6 Backlist Vehicle

Add vehicles to blacklist. Click [Add] to pop up an adding window. In this window, you can fill out the detailed information of the blacklist vehicle, such as license plate number, vehicle type, vehicle color, owner name, etc.

	Add Bla	icklist		>
	V	ehicle Type	Small vehicle	\checkmark
	0	wner Name(*)		
ОК	Car	ncel		
	ок		Add Blacklist Vehicle Type Owner Name(*) OK	Vehicle Type Small vehicle Owner Name(*)

To modify vehicle information:

Select the added vehicle and click [Modify] to modify the information of this vehicle.

To delete vehicle information:

Select the added vehicle and click [Delete] to delete it.

To search the vehicle inforamtion:

Enter the license plate number and then click [Refresh] to view the inforamtion of blacklist vehicles.

The vehicles added to balcklist are not allowed to pass, even if the license plate number is captured by the ANPR camera. Note: The vehicles have been linked to a parking lot can not be added to blacklist, and vice versa.



16 Web Client

16.1 Operating Environment of Web Client

The web client supports IE9/IE10/IE11, Firefox or Google browser. Please make sure that your browser supports the downloading and use of the Web Client. Here we take IE Client for example.

> Check whether the IE browser prohibits Active X control from downloading:

Open IE browser, click Options \rightarrow Internet Options \rightarrow Security \rightarrow Custom level...to pop up a security settings window. Then enable all sub options under "Active X controls and plug-ins".

Check whether there are other components or antivirus to stop downloading Active X control. Please close other components and configure antivirus and firewall to allow the installation of the plugin files.

16.2 Start IE Client

Before starting IE client, make sure all servers must be started first.

Login

Input the IP address or domain name of Authentication Server and the web server port, for example: http://192.168.50.3:8088 (In this example, IP address is 192.168.50.3. The default web server port is 8088) to go to IE Client. Then input the user name and password you created in Account and Permission interface, select the language and platform and then click "Login" to login to the IE client.



Please download the relavant Active X controls according to the tips if you login to the IE client for the first time.

Ionitor Client									
Live Preview	Record Playback	E-map	Basic	System Status					
onfiguration Clie	nt								
									
							$ \mathcal{K} $		
Resource Management	Server Management	Record Management	Alarm Management	Account and Authority	E-map	TV Wall Management	System Maintenance		

In the platform interface, users can modify the login password and remotely set the monitor client and configuration client. In the web monitor client, click "Return to Configuration" to go to the web configuration client. In the web configuration client, click "Return to Monitor" to go to the web monitor client. In the web monitor client or configuration client, click the platform logo to return to the platform interface.

The operation steps of this web client interface are similar as the monitor client. Please refer to relevant chapter for details.

17 Mobile APP Surveillance

- ① Run "Play Store" or APP store.
- ② Search "NVMS2" and then install it.

Note: Users can install mobile surveillance APP through iOS or Android OS. The operation steps of both APPs are similar, only some different existing. Here we take the surveillance APP of Android OS for example. Please refer to the actual operation interface for details. ③ Run "NVMS2" to go to the following interface.

🔳 Liv	re	<	Server List	\oplus	<	Add Device
	2018/12/20 14157/68				۲	IP/DDNS/SN
NVMS 2	100					Nickname
					8	User
					ъ	Password
Server List	$\bigcirc \bigcirc \bigcirc \blacksquare$					
۲̈́ې Local	>					
	8					
About	>					Save
	>					
88	()					

In the live interface, click and then select "Server List". This will take you to the Server List interface. Then click to add devices.

> Login by domain name or IP address

Enter domain name or IP address, nickname, username and password.

IP address: Enter the IP address of the authentication server plus its port (like 210.21.228.183:6003) Nickname: Self-define it.

Username/password: Enter the username and password of the NVMS.

Click "Save" to go to the live interface.

Note: This APP only allows adding one platform (NVMS).



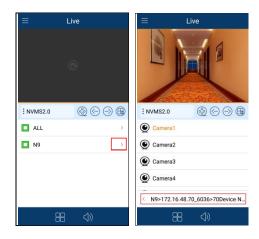
C: Green icon means the platform is connected successfully; the flash icon means the platform is being connected; grey icon means the platform is unconnected.

 $\boxed{\boxed{U}}$: Click it to delete the platform.

Click it to modify the platform information.

17.1 Live

In the server list interface, click **I** to go to the following interface as shown below.



Click ">" to expand the hidden menu and then select a camera to view live video.

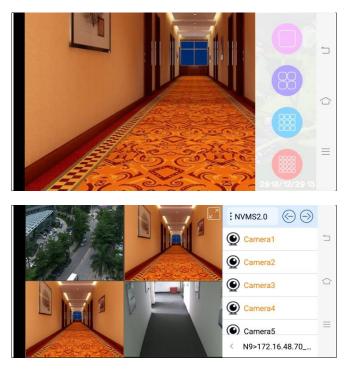
Click \leq button at the bottom to return to the previous interface.

Double click the window to see full window; double click it again to switch to original status.

Icons in the live interface

- C : Idle mode
- 🛞 : Remote playback.
- Click it to play the previous channel group.
- Output Description → Descr
- (I): Close all previews
- E : Click it to choose 1/4/9/16 screen(s) display mode. Click and hold it to choose more screen display modes.
- Click it to enable/disable audio.

Turn you phone and make the live image display in landscape mode or go to the full screen mode. Then the following icons will be displayed by clicking the current image.



• PTZ Control

The added device must support PTZ function, or PTZ mode cannot be enabled. Click \bigcirc button to see the following image. Click \bigcirc or \bigotimes to return to the live interface.



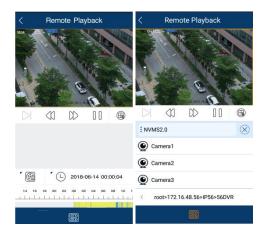
Please control the PTZ by sliding the image in direction of the arrow marked on the image. The PTZ will automatically focus on the little red circle by clicking the image. Then the 3D function can be enabled (the added device must support 3D function, or this function is ineffective).

17.2 Remote Playback

Records stored in the storage server and device can be played.

There are two ways to play records.

- In the live view mode, click it to switch to the remote playback interface. The records of the current channel will be played.
- In the live interface, click 🔯 to switch to the remote playback interface and then click 🗰 button to select a camera to play back.



- ① Select date and event type
- 2 Click the corresponding icons to control playback
- ③ Click 🗊 button to finish playing.

Icons in the playback interface.

: Choose the recording mode.

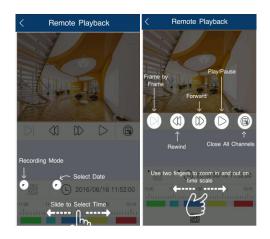
' 🕒 : Click it to choose date.

: Click it to choose the channel.

: Frame. Pause the current play and then click this icon to play the next frame.

- C : Rewind
- D : Fast forward
- C: Play

00: Pause (E): Stop playback

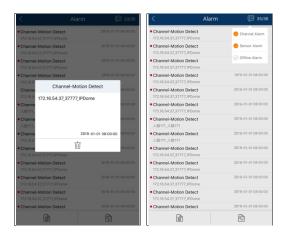


17.3 Alarm Information

This function is only available for iOS version.

Go to the alarm information interface as shown below.

- In this interface, you can view the <u>alarm</u> information. 1
- Search alarm information: click it is select the alarm type. Click one item of the alarm list to read it. 2
- Ĭ
- Click $\overleftarrow{\bigsqcup}$ button to delete the alarm information. (4)



18 Troubleshooting

1. How to modify the password by yourself?

Login monitor client and then go to the Account and Permission interface. Select the account and click 🗹 to modify the password.

	Modify User	×
Enable	2	
User Name*	admin	
Old Password*	Enter Password	
Password*	Enter Password	
Confirm Password*	Enter Password	
Display Password		
Permission Group*	Super Administrator	
Bind MAC Address	00 : 00 : 00 : 00 : 00 : 00	
Remark		
ОК	Cancel	

2. Unable to login IE client.

1) Please check whether the Active X control is forbidden to download and refer to the operating environment in Operating Environment of Web Client.

2) Please check whether the IP address input in the browser address bar is right.

Suppose the LAN IP address of the authentication server is 192.168.50.3, WAN IP address is 58.251.86.194, domain name is authentication.meibu.com and Web port is 8088. If logging in to the IE client in LAN, please input http://192.168.50.3:8088, or http://58.251.86.194:8088, or http://s8.251.86.194:8088; If logging in to the IE client in WAN, please enter http:// authentication.meibu.com:8088; If logging in to the WAN IP is a fixed IP, will it take effect).

3. Some service works abnormally after all servers start.

- 1) If the database works abnormally, please check whether the MYSQL database is installed and connected successfully.
- 2) The computer needs to restart after installing the servers.
- 3) If other services work abnormally, please check whether the corresponding port is occupied. Please open the task manager and then click the Service tab to check.

4. The device information cannot be seen or the device is offline after the user logins to the monitor client.

1) Please check whether this user account is an administrator account. If this account is an operator account, please check whether it has the authority to view the device information.

2) Please check whether the media transfer server of the device has been started.

5. The alarm information cannot be received after the user logins to the monitor client.

1) Please check whether the schedule of sensor alarm, motion detection alarm and so onare set in the NVMS system.

2) As for remote login device in the monitor client, please check whether alarms and alarm schedules of the remote login device have enabled.

6. The record cannot playback after the user logins to the monitor client.

1) Please check whether the storage server is online. If it is online, please check whether this account logged on has playback permission.

2) Please check whether the record source selected has record data. If you want to get record data from a storage server, please check whether to set the record schedule of the storage server or not.

3) Check whether there are record data in the playback channel and whether the record source and the start time and the end time of the playaback is set up correctly.

4) Please check the record schedules of the storage server are set correctly.

7. The configuration of devices cannot be modified remotely after the user logins to the monitor client.

1) When the device configuration is required by the monitor client and prompt "Someone is configuring. Please try later", please open the IE browser to login to the device remotely and then go to "Online user" interface to see if there are any other users logging in.

- 2) Please go to the live to see whether the device is being set up.
- 3) If the problem still exists, please contact your device manufacturer.

8. The preview image on the client cannot display fluently.

1) Please check whether the CPU occupancy rate of the client platform is 100% or there still has usable memory. This situation will not emerge when the CPU occupancy rate is less than 75% and there still has usable memory.

2) Please check whether the network environment is supported, including whether the uplink bandwidth of the device and stream match

and whether the downlink bandwidth of the media transfer server and the streams of all channels of devices match.

3) Please check whether the media transfer server is overload operation.

9. After starting the authentication server and media transfer server, the storage server still cannot save.

1) Please check whether channels of devices are added to the storage server.

Notes

1. Please use super administrator or standard user (permission control is set to "Never Notify") to log in operation system, install and use servers and client software.

2. The specified AI face match host should be used together with the face recognition function of this NVMS platform to manage face picture database. Please contact your dealer to purchase the host.

3. It is recommended to add only one intelligent analysis server to the specified AI face match host in undertaking a comparison task.

4. The resolution of the surveillance client's monitor shall be more than 1280*960.

5. HDMI output should be used for Linux model.

6. If you want to delete the files of a service, please stop the service first.