speco technologies



SpecoBlue VMS Enterprise

User Manual

SB01M



Features and specifications are subject to change, please check <u>www.specotech.com</u> for firmware updates.

Notes

• Please read this user manual carefully to ensure that you can use the device correctly and safely.

• There may be several technically incorrect places or printing errors in this manual. The updates will be added into the new version of this manual. The contents of this manual are subject to change without notice.

• This device should be operated only from the type of power source indicated on the marking label. The voltage of the power must be verified before using the same. Kindly remove the cables from the power source if the device is not to be used for a long period of time.

• Do not install this device near any heat sources such as radiators, heat registers, stoves or other devices that produce heat.

• Do not install this device near water. Clean only with a dry cloth.

• Do not block any ventilation openings and ensure proper ventilation around the machine.

• This machine is for indoor use only. Do not expose the machine in rain or moist environment. In case any solid or liquid get inside the machine's case, please turn off the device immediately and get it checked by a qualified technician.

• Do not try to repair the device by yourself without technical aid or approval.

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1 Introduction

1.1 Welcome

Thank you for purchasing this product.

If technical assistance is needed, please contact Speco Technologies Technical Support.

Phone: 1-800-645-5516 option 3

Email: <u>techsupport@specotech.com</u>

1.2 Front & Rear Panel Instructions

The picture below is for reference only.



No.	Description	No.	Description
1	USB3.0 *2	7	Power button (LED)
2	Ethernet port (LAN)	8	USB3.0 *1
3	USB2.0 *2	9	USB3.0 *1
4	HDMI output	10	Audio Input
5	VGA output	11	Audio Output

2 Login

2.1 Login

Before starting, please make sure network cable, monitor and power are connected. After the server is started, the following window will appear as shown below.

Server mode or client mode can be selected when logging in. If "Client mode" is selected, you need to enter the address and port of the authentication/management server. Then this server will be used as a client. If "Server mode" is selected, this server can be used directly. Taking server mode as an example:

Speco Blue VMS Enterprise		×
	User Name	
	Password	Forget password?
	Device Model	
	Remember Password	Auto Login
Ø	Login	

① Enter username and password (the default username is admin; the default password is 1234).

Check "Remember Password" or "Auto Login" as needed. If it is the first time for you to log in, you must check "I have read and agree Application Privacy Statement".

2 Click [Login].

If you forget the password, please click "Forget password". Then a small window will appear. You can reset the password by answering the pre-defined questions.

Res	et Sup	oer Administrato	or Password	d	×
Create Security Questions / A	nswers	Dynamic Password			
Config Server:	127.0.0	.1	7002	Search	
Question:				•	
Answer:					
Question:				•	
Answer:					
Question:				•	
Answer:					
				ОК	Cancel

If you don't set or forget the security questions and answers, you can reset your password by dynamic password. Click "Forget password" and then click "Dynamic Password" to go to the dynamic password page. Search the CPU ID, MAC address and the current time and then send the information to the technical staff to get the dynamic password.

2.2 Quick Wizard Settings

After you log in, a wizard will display and the password modification is required.

Quick Configuration Wizard							
Modify Password	— 💿 Create Security Questions / Answers —						
* New Password	Please enter password						
Confirm Password	Enter password again						
Password strength	○ Wesk ○ Middle ● Strong						
	B-16-characters numbers, special characters, tupper case letters and lower case letters must be included.						

If this is the first time for you to log in, it is recommended to create security questions and answers.

It is important that you remember the answers for these questions or you will not be to reset your password and be locked out. Click "Skip" to skip the following wizard setup.

	Quick Configuration Wizard	
Oreate Security Questions / Answers	Metwork Config System time config Provide Time Config Device Time Con	rrection 👘 📰 Select a plan
Question:	•	
Answer:		
Question:	•	
Answer:		
Question:	-	
Answer:		
No more tips for security questions	\$	Next Skip

Click "Next" to enter the network configuration interface. Set the network parameter according to the actual condition.

			Quick Config	uration Wiza	ard			
⑦ Create Securit	y Questions / Ans	wers — 🌐 Netwo	ork Config 📃 🕻	System time con	fig 🦳 🏶 Device	Time Correction	III Selec	t a plan
IP Group								
IP Address	192.168.0.10							
Subnet Mask	255.255.255.0							
Gateway	192.168.0.1							
Network Mode	Adaptive Load B	alancing 🔷 🔻						
Major DNS	127.0.0.53							
Minor DNS								
Network Config	eth0	Bind static IP						
	MAC Address	00:E0:4C:68:00:0C						
Refresh						Previous	Next	Skip

Click "Next" to set the system time as needed.

Quick Configuration Wizard											
⑦ Create Secu	🕲 Create Security Questions / Answers — 🌐 Network Config — 🔮 System time config — 🏶 Device Time Correction — 📰 Select a plan										
7	CMT (looland)										
Zone	GMT (Icetand)	•									
System time	2023-12-22 11:25:41	\$									
Timing mode	Manual										
Timing server	time.windows.com	*									
Refresh			Previous Next Skip								

Click "Next" to set whether to synchronize the time zone of the added devices with the system.

Quick Configuration Wizard								
🛛 Create Security Questions / Answers — 🌐 Network Config — 🕲 System time config — 🌻 Device Time Correction — 🔠 Select a plan								
Time Settings 🛛 Device Time Correction 🕐	Synchronize Tin	ne Zone						
			Previous	Next Skip				

Click "Next". Then you can select the function display module in the home page.

		Quick Configu	ration Wizard		
⑦ Create Security Questions / A	nswers 👘 🛞 Netv	work Config 📃 🕔 🤅	System time config	🗱 Device Time Corr	ection 👘 📰 Select a plan
	Video Monitor	Personnel And…	Vistor	Face Access C…	
	Attendance M…	Target Counting	Body Tempera…	Face Greeting	
	Parking Lot M…	Data Dashboard	Industrial Tem…		
Select All/Cancel				Previo	us Finish Skip

Click "Finish" to complete the wizard setup.

2.3 Main Menu Interface Introduction

💽 Speco	Blue VMS Enterprise	Resource Management Video Preview1 Record & Playbac	_{ck} + 2	B ■ ▲ − □ × 2023-12-23 09:52:39
	Basic Application			
	Video Preview Alarm Preview E-Map Monitoring	Record & Playback Record Playback By Time By Event By Tag Management Record Backup Search Picture Record Setting	Search Image Search by Face Face Comparison Retrieval Ucense Flate Comparison Retrieval Smart Snapshot Retrieval	
	E-Map E-Map Setting	TV Wall TV Wall View TV Wall Task Settings TV Wall System Setting	Group Management People and Vehicle Management Permission Management	1
	Data Dashboard	Body Temperature Measurement	Parking Lot Management	
Unprocessed: 0 Service	e Alarm Motion Detection Face Alarm Other Intelligent Alarm	n	Alarm 🗹 Alarm Task 🔵 SOP Filter Snapshot Device Capture Alarm Processing Handling Statu	us Disposition Remark
			5	
Close comparison alarm p	op-up window	4 Authentication Server	r Address: 10.15.1.115 Port: 6003 User Name: admin CPU:] 9% Memory: 🛛 58% 🎽

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
::	"Video preview"
2	Including "Switch User", "Register", "About", "Switch Plan", "Modify Password" and "Clear Cache Memory"
â	Click to lock the operation page. Click "Unlock" and then enter the login password to unlock it.

Functional area

Menu	Description
Video preview	To view live images and to record, snapshot and talk, etc.
Record &Playback	To remotely play the local records or back up records.
Search	Including image search by face, face comparison retrieval, license plate comparison retrieval, smart snapshot retrieval and visitor record search.
E-Map	To manage and display maps, hot spots, etc.
TV Wall Management	To set TV wall and decoding videos on TV Walls

Group Management	To manage people and assign the access permission
Data Dashboard	Smart display video window, device status, face comparison, human body temperature screening, E-map, etc.
Parking Lot Management	To manage vehicles in the parking lot
Face Greeting	To welcome visitors based on face recognition technology
Face Attendance	To help to manage staff attendance based on face recognition technology
Face Access Control	To control people entry via access control panels
Visitor List	To manage visitors and search the records of visitors.
Target Counting	To monitor and analyze people/vehicle flow in real time
Body Temperature Measurement	To view the statistics of body temperature
Industrial Temperature Measurement	To view the real-time video, analyze data and search records.
Resource Management	To add, modify or delete areas, devices or servers.
User Management	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.
Operation and Maintenance Management	To search, export and maintain logs; To back up or restore configuration; To display device/server/record status
Configuration	To set record path, snapshot path, system startup and maintenance, overload, alarm view, etc.

Favorites:

You can move the module which has a high using frequency to Favorites.

Place the cursor on the module you want to move to Favorites, and then a pentagram icon (🔽) will be displayed on the top right corner

of the module. Click this icon to move. In the Favorites display area, click

to make the module return to its original place.



Wizard Settings:

On the bottom right corner of the functional area, click 🕐 to show the following wizard guide.



Other buttons:

Button	Description
X	Click to shut down or reboot your device.
+	Click it to add the video preview page.
	When the tab pages exceed the applicable numbers, this icon will display. Click it to view the hidden tabs.

Common buttons:

Button	Description
	Click it to edit the item.
Ū	Click it to delete the item.
>	Check the camera and then click it to select
<	Check the camera and then click it to remove
»	Click it to add all cameras
~	Click it to remove all selected cameras

3 Device Management

3.1 Add Encoding Device

Add, Edit or Delete Device Device Setting	Area Setting	Channel Group Set	ting Task							
	+ Add	🗓 Delete 🖻 Imp	ort/Export 👻 🖵 Change A	area	erver 다 Chang	e Storage Serve	er 🗘 Upgrade 🕶	🖺 Save Form	ı	
Encoding Device (Online/Total number: 0/0)				Add Enco	ding Device					×
Decoder (Online/Total number: 0/0)	Quickly Add	Manually Add	Auto Report Unbou	nd Auto Report Device						
IED Display Device (Online/Total number ()/()	🗘 Refresh 🤇	Activate 🖉 Modif	y IP						Device	Quantity:7
EED Display Device (online) rotal number. 0/0)		Device Name	IP Address	Modify IP Address	Activate	Port	Subnet Mask	Protocol	Version	
Intelligent Analysis Server (Online/Total number		Device Name	10.15.1.241	2	Activated	6036	255.255.255.0	Speco	1.4.7	00:1
Storage Server (Online/Total number: 0/0)		IPCamera	10.15.1.66		Activated	80	0.0.0.0	ONVIF		
Media Transfer Server (Online/Total number: 1		IPCamera	10.15.1.67		Activated	80	0.0.0.0	ONVIF		
Access Server (Online/Total number: 1/1)		IPC	192.168.226.201	Ø	Not activated	9008	255.255.255.0	Speco	5.1.1.0	00:1
Alarm Server (Online/Total number: 1/1)		IPC	192.168.226.201	<u>P</u>	Not activated	9008	255.255.255.0	Speco	5.2.2.0.beta1	58:5
TV Wall Server (Online/Total number: 1/1)		Device Name	10.15.1.131	Ľ	Activated	6036	255.255.255.0	Speco	1.3.3	00:1
	Select Tra	nsfer Server Transf	er Server	 Select Storage S 	erver		•			
		Select Area 🛕 d	efault area	Automatical	y Link Area 🛛 🕀	Create Area				
							De	fault Password	OK	Cancel
							De	aut rassword	OK	Cancer

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

In the encoding device interface, you can view the activated device or inactivate device. Click the "Activate" tab to sort.

Activation: click "Not activated" and then enter the password of the IPC according to the tip in the pop-up activation box. After successful activation, the IPC can be connected normally.

Batch Activation: check the inactivate devices and then click [Activate] to enter the password of the IPCs in the pop-up activation box. After successful activation, these IPCs can be connected normally.

Then click "Add" to add devices. You can add multiply devices in this interface, such as face detection IPC, face recognition IPC/NVR, face recognition terminal, active deterrence IPC, LPR camera, etc.

3.1.1 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. The default username of the standard device is "admin and the default password of the standard device is "1234".

Note:

- * The default media transfer server and storage server can be selected when adding devices.
- * Area must be set up before adding devices. Click [Create Area]to create an area (See Area Setting).

3.1.2 Manually Add

			Add Encoding	Device				×
Quickly Add Manually	Add Auto Report	Unbound Auto	Report Device					
IP Address/IP Range/	Domain Name/Serial No./U	RL/IPV6	Protocol	Port	User Name	Password	Test	
IP	Address:0.0.0.0		Speco	6036	admin	••••		
Select Transfer Server	Transfer Server	•	Select Storage Server	Storage Server	•			
Select Area	🏠 default area	•	Automatically Link	Area 🕀 Create Area				
					Default	: Password C	Ca	ncel

① Enter IP address/IP range/domain name, 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	Device				×
Quickly Add Manually	/ Add Auto Report Un	bound Auto Re	eport Device					
IP Address/IP Range/	'Domain Name/Serial No./URL/I	PV6	Protocol	Port	User Name	Password	Test	:
URL 🔻 ip;	port profile1	÷	RTSP					
Select Transfer Server	Transfer Server	-	Select Storage Server	Storage Server	-			
Select Area	▲ default area	•	Automatically Link A	Area 🕀 Create Area				
					Def	ault Password	ОК	Cancel
					Def	ault Password	ОК	Cancel

How to get a URL?

Take one of our IPC as an 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.

For the URL of a device from other companies, please consult their technical documentation.

3.1.3 Auto Report

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

					Add Encodi	ng Device	:				×
Quickly Ad	d Manuall	y Add	Auto Report	Unbound Au	to Report Device						
		Device Nur	nber		Protocol		User Name	Password	Delete		
No.	•				Speco		admin	••••			
Select 1	ransfer Server	Transfer	Server	•	Select Storage Sen	er Storage S	enver	•			
	Select Area	🏠 defa	ult area	-	Automatically L	ink Area 🕀	Create Area				
										_	
								D	efault Password	OK	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 SPECO BLUE VMS and then set the device number of the DVR/NVR.

• If the IP camera is needed to add, please go to Network → Ports/Connections of the IP camera. Check the box next to "Enable", enter the IP address and port (default 2009) of the SPECO BLUE VMS and then set the device number of the IP camera.

Live Sea	arch Chart
System Image Alarm Event	Config Home Network Advanced Port Server Onvif DDNS SNMP 802.1X RTSP RTMP UPnP Email FTP HTTP POST HTTPS QoS Cloud Platform C Enable
Network TCP/IP Ports/Connections Socuries	Server Port 2009 Server Address 192.168.56.213 Device ID 1234 Device number
Maintenance	Save

② Select the transfer server, storage server, area and then click [OK].

3.1.4 Quickly Add Auto Report Device

For the auto report devices, you can go to the "Unbound Auto Report Device" interface to add them quickly.

Note: please fill out the auto report information in the NVR/IPC in advance and then the device information can be searched in the "Unbound Auto Report Device" interface.

3.2 Modify or Delete Device

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

Add, Edit or Delete Device	Device Setting	Area Setting	Channel G	roup Setting Task					
		+ Add	🗓 Delete	🖻 Import/Export 🔹	,⊏Î Change Area	🗘 Upgrade 🖣	Save Form		
Encoding Device (Online/Tota	al number: 1/1)		No.	Edit	Device Name	Туре	Channel Number	Alarm In Number	Ala
			1		Device Name	Speco	<u>4</u>	19	
Decoder (Online/Total number	er: 0/0)								

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

device information; Click Under the added device. Select the desired devices and click [Delete] to delete multiple devices simultaneously.

3.3 Device Area Selection

Select one or more encoding devices and then click [Change Area] to modify the area of the selected devices.

+ Add	🗓 Delete	🖻 Import/Export 👻	다 Change Area	🗘 Upgrade 👻 🖺 Save Form
	No.	Edit	Device Name	Type Channel Number
	1	Ø	Device Name	Speco 4

3.4 Batch Import/Export

You can import multiple encoding devices (NVR/IPC) in different local network at a time. The setting steps are as follows:

1. Create an Excel file and then edit the device information as follows. Please copy the text of the first line.

А	В	С	D	E
ip	port	protocol	userName	password
xxx.xxx.xxx.xxx	6036/9008/80/554	ipv4/sn/ipv6/domain/id/onvif/	xxx	XXXXXX

Protocol: three protocols can be used here, including "ipc", "standard device" and "NVR".

2. Save the file as ".cvs" or ".xlsx".

3. Click Home→Resource Management→Add, Edit or Delete Device. Then click [Import/Export] to show a drop-down list. Click [Import] to import the file.



Export encoding devices: check the device you want to export and then click [Save Form] to export the device list.

+ Add	Ū Dele	ete	🖻 Imp	ort/Expor	1 -	다 Change Area	🗘 Upgrad	€ ▼	Save Form]		
		No.		Edit		Device Name	Туре		Channel Number		Alarm In Number	Alarm (
		1		Ø		Device Name	Speco		4		19	

3.5 Device Upgrade

In the "Add, Edit or Delete Device" interface, check the devices you want to upgrade and then click [Upgrade]. Select the upgrade type as needed.

+ Add	🗓 Delete	Import/Export	•	⊊Î Change Area	🗘 Upgrade 🝷 🖺 Save Form
	No.	Edit		Device Name	Batch Upgrade for IPC
	1	Ø		Device Name	Batch Upgrade for NVR/DVR

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

3.6 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.

3.7 Area Setting

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

Add, Edit or Delete Device Device Setting Area Setting Channel Group Setting Add IDelete All Empty Area Area Name Channel Number Edit Delete Image: Create Area X Parent Area * Area Name OK Cancel								
Add Delete All Empty Area Area Name Channel Number Edit Delete Create Area Parent Area Area Name K Cancel	Add, Edit or Delete D	evice Device S	Setting	Area Setting	Channel Gr	oup	Setting	
Area Name Channel Number Edit Delete Create Area Parent Area Area Name K Cancel	🛨 Add 🗓 Delete A	ll Empty Area						
Create Area Parent Area ★ Area Name OK Cancel	Area N	lame	0	Channel Number	Edit		Delete	
Create Area × Parent Area * Area Name OK Cancel	🏠 default area			7	Ø		Ū	
Create Area × Parent Area * Area Name OK Cancel								
Parent Area * Area Name OK Cancel			Cre	ate Area		×		
* Area Name OK Cancel								
* Area Name OK Cancel		Parent Area			*			
OK Cancel		* Area Name						
OK Cancel						,		
				ОК	Cancel	ļ		

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].

3.8 Server Settings

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.

Note: If the device is logged in under server mode, you can only add one storage server. If the device is logged in under client mode, please add storage servers according to the performance of the connected management server.

If you want to add a storage server, please follow the directions as below.

1. Click Home→Add, Edit or Delete Device→Storage Server.

Add, Edit or Delete Device Device Setting	Area Setting Channel Group Setting Task	
=	🕀 Add 🖄 Delete	
Encoding Device (Online/Total number: 2/2)	Edit Server Name Device Number Channel Number IP Address Port Loop Recording Client Connection Status Authentication Server Connection Status Par	ition/
Decoder (Online/Total number: 0/0)		
LED Display Device (Online/Total number: 0/0)		
Intelligent Analysis Server (Online/Total number:	· · · · · · · · · · · · · · · · · · ·	
Storage Server (Online/Total number: 0/0)		

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

3. 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.

When adding the storage server, you can select it as a hot spare server. Once the host server is offline, the spare server will take over. After the storage server is added, click to set record partition or disk.

If you have added a hot spare server, it will work as follows.

1. When the storage server of the device is offline and the offline time exceeds the predefined service fault time, the recorded file of

the device will be saved by the online hot spare server.

2. When the original storage server of the device is online again and the online time exceeds the predefined server fault time, the recorded file of the device will be saved by the original storage server.

To set the server fault determination time, please go to Home \rightarrow Configuration \rightarrow System Configuration interface to set.

System Name				
Device Time Correction	Device Time C	Correction ⑦ 🛛 🗹	Synchronize Time Zone	Synchronize Platform Time
Service Fault Determination Time	1 •	mins		
Log Retention Time:	365	Day		
Enable License Plate Synchronization				
	🛕 If it is turned	l off, the system will n	not support the function o	f license plate synchronization
	Apply Re	eset		

3.9 Channel Group Settings

Go to Home→Resource Management→ Channel Group Setting interface as shown below.

Add, Edit or Delete Device	Device Setting	Area Setting	Channel Gro	up Setting	Task	
🛨 Add 🔟 Delete						
Channel Gr		Add	Channel	Group		
*C	hannel Group Name					
	Keyboard Number	1				
	Dwell Time	5 s		•		
Pa	arent Channel Group			•		
	Selectable Device	0,	/4	Selected D	evice	0/0
	Q Search		<			
	📃 🔲 default area	i	>			
	Device	Name_IP Camera01				
	Device	Name_IP Camera03			No choice	
	Device	Name_IPC	~			
		_	77			
					ОК	Cancel

- ① Click [Add].
- ② Enter channel group name, channel group and select the 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.</p>
- ⑤ Click [Ok] to save the settings.

3.10 Task Management

Set the face capture source, schedule and applicable scenario.

Add, Edit or Delete Device	Device Setting	Area Setting	Channel Group Setting	Task				
☲		🛞 Schedu	le Template					
the settings the settings		Monito	ring Point		Monitoring Point	Applicable Scenario	$m{arphi} $ Face Capture Source $m{arphi} $ Sche	dule 🗸
 More Settings 		Q Searc	h		*IPC	Face Surveillance, Face Greeting, Face Attendance, Vehicle deployment of	ontrol✔ Face Capture by IPC 7*24	
C more security	(g) More settings		efault area					
			I IPC					
		1.1.1	IPC					

Face Capture by IPC: it is applicable to the face detection camera.

Face Match by IPC: it is applicable to the face recognition camera.

Note: Face recognition NVR, Temperature Reading Panel, Thermal network camera and IPC without face detection function cannot set task

More parameters about face comparison can be set by clicking [More Settings].

here.

Face Comparison Ala	rm			
Block List	Stranger	Visitor	VIP	Allow List
Similarity				
Similarity(%)		-0	75	
Intelligent Server Set	ting			
Enable Face Dete	ction of th	e Face Reco	gnition IPC (?
Send Captured Pictu	res to FTP			
Enable				
FTP Server Address				
FTP Server Port	21			
FTP File Path	/			🖕
	🗹 Anonyr	nous		
Apply				

Face Comparison Alarm: Select face comparison alarm list. For example, "Allow List" is selected, when a person is detected and is successfully compared with the allow list, alarms will be triggered.

Similarity: Set the similarity of the face comparison.

Intelligent Server Setting: please check "Enable face detection of the face recognition IPC" as needed.

If checked, the intelligent server will get all face capture pictures of the IPC after you configure face comparison parameters and set the schedule for the IPC. All these face snapshots can be searched in the Search interface (Home \rightarrow Search).

If unchecked, the intelligent server will only get the matched face snapshots after you configure face comparison parameters and set the schedule for the IPC. Only the face snapshots successfully matched with the face database can be searched in the Search interface (Home \rightarrow Search).

FTP Settings: Send the captured pictures to FTP. Please set the corresponding parameters according to your FTP server.

4 Group Management

4.1 People Management

You can add group for three libraries—Person List, VIP List and Block List. Here taking "Add target to person list" for example

4.1.1 Add Group

Add the parent group

Go to Home \rightarrow Group Management \rightarrow People Management \rightarrow Person List.



Click [Create] to add a group, or right click on the blank of the person list column and then the "Add" button will appear. Click it to add the group name.

Note: The added parent group name and face information under it will be synchronized to the face database of the NVR, but the sub group name will not be added to the NVR. The face information under the sub group will automatically be added to its parent group in the NVR. If the parent group fails to synchronize to the face database of the NVR, but the face information of sub group is successfully added to the NVR. Now, the face group name will be named "creation date-intelligent server IP-creation time (s)-list type-parent group name" as shown below.

No.	Group
1	2022_4_21_10.214.200.200_32 (3853)
2	2022_4_22_10.214.200.111_1 (1128)
3	2022_4_22_192.168.52.214_47_White_default(0)

Group Name in NVR

For IPC, the added face information under person list and VIP list will be automatically added to the allow/white list of the IPC. The added face information under visitor list and block list will be synchronized to the corresponding list.

• Add the sub group:

Put the cursor on the parent group name and then you will see the follow buttons. Click "+" to add the sub group name.

Person List	
(+) Create	
Q Search	
Default Group	士 企 前

Click do modify the group name and permission group; Click 🛄 to delete the group.

4.1.2 Add Target

You can add targets for three libraries—Person List, VIP List, Block List.

• Add target one by one

Select the group name and then click [Add] to add the target information

Person List	🕒 Add 🔟 Delete 🔎 Change Group 🖹 Failure Record 🕒 Import 👻 🖾 Export All 🕹 Download Template 🤌 Custom	Q Sean
•) Create		
Q Search	Add Target	
🖹 Default Group	0 Basic 🦳 🔞 Access Control	
🖹 Delete Employee Group	* Name	
	Gender • Male • Female	
	Work ID Upload	
	Telephone Image size: less than 200KB is recommended	
	Remark	
	Detail 🔨	
	ID Type ID Card Birthday 2023-10-16	
	ID NO Country	
	Province City	
	Work Type Email Address	
	Next Add and Continue OK	Cancel

Click [Upload] and select the face image saved in the local PC. Then fill out the corresponding information and click [OK] to save.

Note: the resolution of the face image shall be less than 200KB.

If the target is added to the group of the VIP, register date and VIP level shall be fill in.

If the target you newly add has already existed in the authorized face recognition device, please delete the previous one in the authorized face recognition device in case that the successful match result cannot be pushed to the platform.

Batch Import

In the above interface, click [Download template] to export an Excel template and then fill out the corresponding information in the table

as shown below.

After that, create a file named "Image" and then put the face images under this file.



Put the image file and the personal information file into the same directory.

Click [Import] \rightarrow [Excel Import]

Person List	+ Add 🔟 Delete	디 Change Group	Failure Record	🕒 Import 👻 🖸 Expo	rt All Bownload Template	₿ Custom
⊕ Create	Formatting Tools			Excel Import		
Q Search				Batch Import		
Default Group				File Import		

Click [Import] and then select "Batch import" to import face pictures in bulk, but the target information must be modified manually. Click [Import] and then select "File import". You can select whether to search the sub folder.

Search Subfolders: choose a folder including multiple subfolders and then all pictures in the folder and its subfolders will be imported. Not Search Subfolders: the pictures in the folder will be imported, but the pictures in the subfolders will not be imported.

≻ Convert images to an Excel

Multiple images also can be converted to an Excel. Then click "Excel Import" to add targets. The setting steps are as follows.

- Name the face images (like David_Male_1989-01-03_Engineer_Group1), separating each field with "_". 1.
- Click on "Formatting Tools" to display image conversion Tool box. Click 🛅 to select the desired images. 2.
- Click respectively to set the image naming rules and content of the header. 3.

Im	Image Conversion Tool					
Image List		ħ				
Image Naming Rules		Ø				
Content of The Header		Ø				
*Generate Excel for impo	OK	Cancel				

Note:

1. The naming sequence of each image selected must be the same. Please select the image naming rules in accordance with the sequential order of the name of the image.

2. The content of the header must contain those items of the image name and can be selected in any order.

The content of the header must contain name and group (face database), which can be entered in the image name in advance and 3. also can be edited in the exported Excel.

Modify or Delete Target



After the target is added, click \checkmark to modify; click \blacksquare to delete.

Click to view the target list as shown below.

+ Add	🗓 Delete	,⊏Î Change	Group	Failure Record	🕒 Import 🗸	Export	🖸 Export All	🔁 Download Template		Q Search	:	: =
🖉 Custon	n 💿 Form	atting Tools										
	Edi	t N	ame	Birthday	Gender	ID Type	ID NO	Country Province	City	Group	Work T	уре
	Ø		xyf	2023-10-16	Female	ID Card				Default Gro		

Click "Custom" to customize the target display information.

Click "Change group" to change the group.

4.1 Vehicle Management

4.1.1 Add Vehicles

Add vehicle groups for each vehicle list

Click 🗉 on the right of a vehicle list (Allow List/Block List/Temporary Vehicle) to add a vehicle group under the vehicle list as shown below.

Note: If you want to add vehicle groups under a vehicle list, you must enable license plate synchronization function by clicking Configuration \rightarrow Server Configuration \rightarrow System Setting first.

			Add Group	×
		* Name		
Vehicle Registration				
🚔 Allow List	+		ОК	Cancel
Block List				

Select the desired vehicle list or vehicle group under a vehicle list and then click [Add] to add the relevant vehicle information.

Vehicle Registration	🕀 Add 🗓 Del	lete 🗄 Import 🔹 🖬 Export 👻	🖸 Export A
 Allow List 1 		Add New Vehicle	×
➡ Block List ➡ Temporary Vehicle	* Number Plate Owner Input Method Name Phone Vehicle Type	• Input Manually • Select from p	erson list
	Vehicle Color License Plate Type	Black	
	Start Time End Time	2023-10-17 00:00:00	1
	Description		
		Add and Continue OK	Cancel

Binding devices for each vehicle group

Click 🖉 beside the group name to bind devices for this group. All vehicles under this group can be bound to the selected devices. After

these devices are bound to this group, the vehicles you add later will automatically bind these devices.

	Edit the binding	×
	* Name Group 1	
	Device	
	Selectable Device 1/1 Selected Device	0/0
	Q Search	
	🗆 🗹 default area	
	Device Name	
	No choice	
Vehicle Registration	* *	
🗆 🕞 Allow List		
Group 1	ОК	Cancel

4.1.2 View, Modify or Delete Vehicles

After you add the vehicle, you can view, modify or delete the vehicle information as needed.

+ A	dd 🖑 Delete	\pm Import 👻	🖸 Export 👻	🖸 Export Al 👻	🛃 Download T	emplate 🝷	□ Obtain from Devi	ces 🕐	Q Se	earch
Ve	ehicle Type	Vehicle Color	License Plate Ty	ype	Start Time		End Time	Description	Operation	
	Small Car	Black		202	3-10-17 00:00:00	2	023-10-17 00:00:00		⌀ ײ	

Select multiple vehicles and then click the [Delete] button to delete multiple vehicle information at once.

4.1.3 Import or Export Vehicles

Click [Export Template] \rightarrow Export Template(.xlsx/.csv) to export a template. Then fill out the relevant vehicle information.

	e 🛨 Import 👻	🖬 Export 🔹 🖬 Export Al 🝷	🛃 Download Template 🝷	G Obtain from Devices ⑦
Vehicle Type	Vehicle Color	License Plate Type	Export Template(.xlsx)	End Time Description
Small Car	Black	2023	Export Template(.csv)	8-10-17 00:00:00
				_

After that, click [File import] to import the vehicle information. Click [Export] to export the added vehicle information.

You can also get vehicle information from license plate recognition cameras/NVRs. The setting steps are as follows.

1. Click "Obtain from Devices".

2. Select the device type.

- 3. Select vehicle list (Allow List/Block List/Temporary List) of the LPR camera/NVR.
- 4. Select a vehicle group of the platform.



6. Click "OK" to synchronize the vehicle list of the selected device to the corresponding groups of the platform.

Obta	in from Devices	→ oad Template → G Obtain from Device
* Device type NVR 2	-	End Time
Select Venicle Group		
Select a device group	Select a platform group	
Q Search	Q Search	
Device Name	Allow List	
vip	Group 1 4	
3	Block List Temporary Vehicle	
	~ 5	
Selected Group		
Device Group	Platform Group Operation	on
	6 ок	Cancel

Note: If you want to get license plate information from devices, you must enable license plate synchronization function by clicking Configuration \rightarrow Server Configuration \rightarrow System Setting first.

4.2 Permission Management

Click Home \rightarrow People & Vehicle Management \rightarrow Permission Management to go to the following interface.

You can view the sync records or bind the camera to the group or people.

Add Permission Group

In the permission group interface, click [Add] to add a permission group. Enter the name and set the schedule and devices as needed.

People and Vehicle Management	Permission Management				
≘	Add	🖲 Delete			
E Permission Group			Add		×
(Visitor Permission Group		* Name			
People Sync Record Query	* Schedule	Template Default	full time schedule	➡ Schedule Setting	
	Select	able Device	0/0	Selected Device	0/0

Click "Schedule Setting" to set the desired schedule. You can set weekly schedule and holiday schedule as needed.

	Schedule Setting	×
Schedule Template ⑦	Weekly Schedule Holiday Schedule	
⊕ Add	𝔅 ^𝒫 Copy 0 2 4 6 8 10 12 14 16 18 20 22 24	4
Default full time schedule	∯ Sun.	*
Default weekday schedule	AP Mon.	٠
Default weekend schedule		*
Default empty schedule	A Tue.	¥
5*24	₩ Wed.	*
	A Thu.	٠
	8 Fri.	٠
	A Sat.	٠
	ОК Са	incel

Click [Add] to add a new schedule template name. Double click the schedule name to modify it. Then you can select the schedule and set it as needed.

Weekly Schedule:

Set the scheduled time from Monday to Sunday for a single week. Each day is divided in one hour increments. Green means scheduled. Blank means unscheduled.

Add: Add the schedule for a special day. Drag the mouse to set the time on the timeline. Or click to manually set the time period;

click $\textcircled{\oplus}$ to add new time period.

	Time Allocation	×
Period1	06:33:00 🗘 - 21:21:00 🗘 🕁	
Select All		
🗹 Mon.	□ Tue. □ Wed.	
🗖 Thu.	🗆 Fri. 🔲 Sat.	
🔲 Sun.		
	ОКСа	ncel

You can copy the above time period to other days by checking the relevant days. After that, click [OK] to save the settings.

Additionally, you can also copy the time period by clicking \mathcal{O} . For example, click \mathcal{O} in front of Sunday, Monday and Tuesday, and then drag the mouse on the timeline of one of them. After that, other days that enable 🧳 will automatically copy the set time period. You can also click 🔗 next to "Copy" and then drag the mouse on the timeline of one day, and then the other days of the week will automatically copy the set time period.

Erase: Drag the mouse on the scheduled time period to delete the set time.

Delete Schedule: Put the cursor on the schedule name and then a deletion icon will appear. Click it to delete the schedule.



Holiday Schedule

Set the scheduled time for a special day, such as a holiday.

1. Click the "Holiday Schedule" tab to enter the holiday schedule page.

		Holiday Schedule	×
	Holiday Schedule	↔ Add 🕮 Clear All	
Weekly Schedule Holiday Schedule	Add	NO Start Time Period	
	1		
Selectable Items 0/0 Selected Items			

- 2. Click "Holiday Schedule Setting" to set holiday schedule. Click "Add" on the left panel to add a new holiday schedule. Enter the holiday schedule name as needed.
- 3. Select the holiday schedule. Click "Add" on the right panel to set date and time period.
- 4. Drag the mouse on the timeline to set the time period or click to manually set the time period. Click "Clear" to clear all information of the current holiday schedule.
- 5. Click [OK] to save the settings.

Holiday Schedule							
Holiday Schedule	🕀 Add 🗓 Clear All						
⊕ Add	NO	Start Time	Period				
1	1	01-01 🌲	0 2 4 6 8 10 12 14 16 18 20 22 24				
:			~				

Note: Holiday schedule takes priority over weekly schedule.

> Permission Binding

Click At to bind the group or person to the selected devices.

People and Vehicle Manage	ment Permission Ma	nagement		
Ţ.	🛨 Add 🗓 Delete			
Permission Group	1	Name Schedule Tem	Operation	
		1 Default full ti	<u>(8)</u> 2 🖻	
Visitor Permission G		Authoriz	ation Binding	×
Q People Sync Record				
	Selectable	0/7	Selected	0/0

After the binding is complete, you can modify or delete the permission group as needed.

People Sync Record Query

Click "People Sync Record Query" to view the permission binding status of each person.

People and Vehicle Manage	ment Permission Management		
Ē	People Device	Access Point: 1 Device Name All	•
E Permission Group	Person List 🗸 🗸	凹 Delete 🗳 Export	Q Search
Visitor Permission G	Q Search	Name Device Name Group Status Operation	Detail
C2 Visitor Permission C	😑 盲 Default Group	🗌 04 Camera33 Employee-Def Failure C 🗇 F	ace image size overrun(
Q People Sync Record	& 04		

After the permission binding is complete, you can click 🔲 to delete the sync record here.

Note: 1. When the device is offline, the target synchronized to it cannot be deleted. Then you can delete the synchronization records here and then delete the target.

2. The added group or person must be bound with one or more cameras, or the face comparison result will not be gotten by the platform.

> Vehicle Sync Record Query

Click "Vehicle Group" or "Device" to view the sync status of all vehicles under each vehicle group or device.

People and Vehicle Management	Permission Management										
Ē	Vehicle	Device	Device Name	All		•	Status Al	I	•	$\mathcal C$ Resynchronize	
E Permission Group	Vehicle Group		🗓 Delete								
	🖃 👕 Allow List			1.1	Name	Device Name	Group	Delivery status	Operation		Detail
(1) Visitor Permission Group	Group 1			А	BC123	Device Name	Group 1	Success	创		
Q People Sync Record Query	Block List				33597	Device Name	Group 1	To be issued	СШ		The vehicle license plate number already exists
Vehicle Sync Record Query)5858	Device Name	Group 1	Success	Ū			

Note: If you want to view the vehicle sync records, you must enable license plate synchronization function by clicking Configuration → Server Configuration → System Setting first.

5.1 Image Search by Face

- 1. Select a picture and picture source.
- 2. Set the start time and the end time.
- 3. Set the maximum count and similarity.

4. Click [Search].

Note: Only face recognition NVRs added to this platform support this function.



Click \bigcirc to play the record in a small window.



• E-Map Track View:

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



Play Track Line: Click this button to play the track line on a map. Playback by Tracks: Click this button to play the track video.

5.2 Face Comparison Search

- 1. Go to Search \rightarrow Face comparison retrieval interface.
- 2. Select the IPC and query method. Then select match type or target as needed.
- 3. Set the start and end time and then click [Search] to search the face pictures.



5.3 License Plate Comparison Search

- 1. Select the camera.
- 2. Enter the license plate and select the match type.
- 3. Set the start time and end time.
- 4. Click [Search]



5.4 Smart Snapshot Search

The snapshot results from the intelligent server and face recognition devices can be searched. You can search the snapshots of human face, human body, motor vehicle and non-motor vehicle.

For example: Search faces from intelligent server

Image Search by Face	Face Comparison R	etrieval	License Plate Comparison Retrieval	Smart Snapshot Retrieval				
Monitoring Point			🖸 Export					
Q Search			C.S. Carlos					
🗄 📓 🏠 default area			S.		E.		S	1
	×		2023-12-25 17:38:50	2023-12-25 17:38:47	2023-12-25 17:38:45	2023-12-25 17:38:44	2023-12-25 17:38:30	2023-12-25 17:38:27
Match Type			Carrorado	Carrierado	Camerado	Contractor of Co	Camerado	Carrenass
Human Face		•						
Search Source								
Intelligent Server		•						
Gender	Age							
Unknown,Male,Fr 👻	Unknown, <15 years c	•						
Mask	Temperature							
Unknown,Mask C 💌	Unknown,Suspected +	•						
Hairstyle	Beard							
Unknown,Bald he 📼	Unknown, Mustache, F	-						
Telephone	Skin							
Unknown,Didn't 🗸 💌	Unknown, White skin, I	•						
Headgear	Glasses							
Unknown,NoneH 🝷	Unknown,Wear Glass	•						
Time								

If the snapshot type is human face, put the cursor on the captured picture and then some shortcut buttons will be displayed.



Click Eto 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 O to quickly search images by this picture. Put the cursor on the captured picture and then click O to quickly download the captured picture.

Search vehicles from intelligent server:



Click to quickly skip to the playback interface and play the record.

Click 🗐 to view the snapshot details, including the original image, target picture, snapshot type, snapshot time and so on.

Select the searched pictures as shown below and click [Export] to export the selected pictures.



You can also export all searched pictures in the current page once by checking "Select Current Page" and clicking [Export].

Search vehicles from face recognition NVR:



Click Olick to play back the record in a small window; click Intervention of the captured picture.

6 Face Greeting

Face Greeting: After successful face comparison, the words/voice of welcome will be heard by the guests and their photos will be shown on the screen.

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

① Create a VIP group and add targets for this group in the VIP list interface. Then set a permission group for them. The setting details

are similar to adding targets to the person list. See chapter 6 for details.

People and Vehicle Management	Permission Management										
Ē	VIP List			+ Add	🗓 Delete 🛛 🖓	⊐ Change Group	E Failure Record	🗄 Import •	Export All	🛃 Download Ten	iplate 🔑
🐣 Person List	(*) Create			le romatu	ng roois						~
	Q Search					Add Ta	arget				^
♦ VIP List	🖿 Default				🕕 Basic		Access Cont	rol			
₽ Block List		* Name									
日 Vehicle Registration		Gender	• Male O Female								
		VIP Level	General	-		Upload					
		Reg.Date	2023-12-23	Ē		Image size: less th	an 200KB is recomm	anded			
		Telephone				innage size. less ti		lended			
		Remark									
		Detail 🔨									
		ID Type	ID Card	-	Birthda	y 2023-12-23	t				
		ID NO			Countr	у					
		Province			Email Addres	ss					
							[Next	dd and Continue	ок с	ancel

Note: The camera for face greeting must support face recognition function, such as face recognition and access control panel, face recognition camera and so on.

If the person added to the person list adds to the VIP list again, this person may be not recognized as a VIP person. Please delete this person in the person list first.

② Select the schedule, face match type in the Task interface (See <u>Task Management</u> for details).

Are	ea Setting	Channel Group Setting	Task				
	💮 Schedule	Template					
	Monitori	ng Point		Monitoring Point	Applicable Scenario	$m{arphi} $ Face Capture Source $m{arphi} $	Schedule
	Q Search			Camera33	Face Surveillance,Face GreetingFace Attendance,Vehicle deployment cont	rol✔ Face Match by IPC	7*24
	🗆 🏠 det	fault area					
		Camera33					

③ Real-Time Monitoring. Drag the camera name to the preview window. When there are targets detected, the match result will be displayed on the right panel.



④ View the match result of the greeting screen. Click the "Display Setting" tab to set the sub screen (greeting screen).

In this interface, greeting screen background style, screen display mode, VIP box style, face greeting language and so on can be set up. Select the sub-screen display channel: if the secondary monitor is connected to the device, "+" will display in the Link Camera to Sub-screen box. Click "+" and choose the desired cameras you want to display in the sub-screen and then click [OK] to save the settings. Multiple cameras can be selected at a time.

Real-time Monitoring VIP Search Display	Setting					
Face Greeting Sub Screen Settings						
	• •					
VIP Box Sty	e With borders					
Welcome Broadca	st 💽					
Welcome Voice Play Ord	r Welcome voice + Guest name 🔹 💌					
Greeting Langua	e Welcome Font size 12 🔻					
Birthday Greetin	s Welcome					
Max. Number of VIP Box (1-	i) 3 💌					
Frame Holding Time(s) 5					
Loop Playbad	k 🕜					
Single VIP Cycle Time	;) 20					
Single VIP Box Size (ranges from 10% to 999	5) 60					
	Apply					
Link Camera to Sub-scree	n Screen 1					
	+					
	Please select channel.					
	Note: After the secondary screen is detected, the configuration will be automatically saved every 10s.					

Sub-screen display: in the real-time monitoring interface of Face Greeting, right click on the desired channel and select the sub-screen you want to display by clicking "Project onto".


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

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

VIP Box Style: with borders or pure image.

Welcome Broadcast or Not: if enabled, the welcome voice will be broadcasted when the VIP person is successfully recognized.

Welcome Voice Play Order: choose which one to broadcast first between welcome voice and guest name

Greeting Language: please enter the content and select the color as needed.

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

Frame Holding time: 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.

(5) Search the face greeting records. Click "VIP Search" tab as shown below.

Real-time Monitoring VIP Search Display S	Setting									
VIP List	Time 2023-12-23 00:00:00 ~	2023-12-23	23:59:59 1	Search						
Q Search	Picture	ender	VIP Level	Reg.Date	Telephone	Time	Monitoring Point Temperature	Mask Status	Picture	Playback
Default Group Camera33 2 xox		Male	General	2023-12-23		2023-12-23 14:13:49	Camera33	Undetected	G	٥
	3/25	Male	General	2023-12-23		2023-12-23 13:50:40	Camera33	Undetected	O	۲
		Male	General	2023-12-23		2023-12-23 13:49:26	Camera33	Undetected		۲
	Gender: Male VIP Level:	Male	General	2023-12-23		2023-12-23 13:36:44	Camera33	Undetected		۲
	Reg.Date: 2023-12-23 Telephone:									

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 shown. Click b to play the record.

7 Face Attendance

Click (2) at the bottom right corner to select "Attendance Guide" to quickly set the attendance.



In the attendance guide interface, click the corresponding menus in sequence to quickly set the attendance.

7.1 Add Devices and Targets

> Add Devices

In the attendance guide interface, click "Add Device" to enter the encoding device interface. Click [Add] to add the face attendance device (eg. face recognition panel).

Add Targets

After the attendance device is added successfully, click at the bottom right corner to expand the attendance guide. Click "Add Target" to go to the person list interface.

Guide Add Target Permission Management Attendance Check Point Settings Attendance Period Attendance Shift >

In the person list interface, add the attendance group and targets as needed. Refer to People Management for details.

Note: The compared person in attendance system shall be added in the person list in advance. One person only can be added in one group. If this person also be added in other groups (like VIP list), the attendance comparison result will not be obtained.

Permission Management

Set the permission for the attendance group or targets. Refer to Permission Management for details.

7.2 Attendance Configuration

7.2.1 Attendance Check Point Settings

Select the attendance device and then click [Set Check Points]. Enter the name and remarks in the pop-up window. Then click [OK] to save the settings.

Real-time Monitoring Attendance Configuration	Attendance Record Statistics	
Ē	Monitoring Point	⑪ Delete
Attendance Check Point Settings	Q Search	Edit Name Monitoring Point Name
E Basic Configuration	 default area IPC 	
(Attendance Period		
🛱 Holiday Settings		Add Attendance Point ×
S Attendance Shift		* Name Front Door
A Personnel Scheduling		Remark
		OK Cancel
	Set Check Points	

7.2.2 Attendance Period Settings

If a company has different working time for different employees, you can add different attendance rules.

Click [Add] to set the detailed attendance rule.

Ξ	⊕ Add	Basic Setup
. Attendance Check Point Settings	Q Search	* Period 9:00-18:00
	(AM & PM	
E Basic Configuration	④ 9:00-18:00	Regular Attendance Hexible Attendance
(Attendance Period		Time Setup
l Holiday Settings		Start-work Time 09:00 🗘 🗷 Must Check In Duration 9:00 Hours
lo Attendance Shift		End-work Time 18:00 🗘 🗷 Must Check Out
Personnel Scheduling		Effective Period 07:30 🗘 - 19:30 🗘
런 Attendance Handling		Overtime Setup
		Flextime
		• Late arrival and early departure are allowed
		Late check-in over 0 🗘 min is recorded as late Early check-out over 0 🗘 min is recorded as leave early (Every working interval is valid)
		O Late arrival and late departure are allowed
		Save Cancel

> Regular Attendance

Set the attendance period name and working time. Then click [Save] to save the settings. Click [Add] again to add next attendance period. Basic Setup: set the normal working period.

Time Setup:

Start-work time: the normal start-work time

End-work time: the normal end-work time

Must check-in/out: "Must check in" next to the first check-in period and "Must check out" next to the last check-out period are checked by default. That is to say, in the first check-in period, the employees must check in; in the last check-out period, the employees must check out. During the period that "Must check in/out" is not checked, the employees don't check in/out, who will not be regarded as "Not check in/out" or "Absent".

Effective check-in/out time: Set the effective check-in/out period. If the employees check in/out before/after this period, the check-in/out will be invalid and will be regarded as "Not check-in/out".

Work hours: automatically calculate according to the start-work and end-work time.

Overtime Setup						
Later than End-Work Time for	30	¢	minutes is	Overtime Level 1		
Later than End-Work Time for	30	¢	minutes is	Overtime Level 2		
Later than End-Work Time for	30	¢	minutes is	Overtime Level 3		
Deduct dinner time						
Check in for overtime working						

Overtime setup: there are three overtime levels. Please set as needed.

Note: The end-work time of overtime setup must be within the effective period of basic setup.

You can deduct the dinner time when counting the overtime. You can also enable "Check in for overtime working" as needed.

Deduct dinner time: if checked, the system will automatically deduct the dinner time from the overtime. The overtime level depends on the time duration after deducting the dinner time.

Flextime:

You can enable/disable "Late arrival and early departure are allowed" or "Late arrival and late departure are allowed".

Late check in over xx min is recorded as late: set the allowable minutes for late. If the employees check in within the period after the startwork time, the status will be "Normal".

Early check-out xx min is recorded as leave early: set the allowable minutes for leave early. If the employees check out within the period before the end-work time, the status will be "Normal".

For example: The start-work time is set as 09:00, and the late allowable duration is 20 minutes. If the employee checks in at 9:15, the attendance status will be "Normal".

Late arrival and late departure: for example, the limit time is set to 30 minutes and the normal working time is 9:00~18:00. If the employee checked in at 9:30, he/she should check out at 18:30

Flexible Attendance

Statistical methods: "Calculate records in pairs" or "calculate the first and last record"

Calculate records in pairs: Add up the time period between each two check records. The time interval of each two records must be more than 1 minute.

Calculate the first and last record: Calculate the time period between the first and last check records.

Work Hours: Set it as needed.

For the set attendance period, put the cursor on the attendance period name and then icon will appear. Click it to modify the attendance period. Select the attendance period and click [Delete] to delete the attendance period.

⊕ Add	🗓 Delete	
Q Search		
🕒 AM &	PM	
9:00-1	8:00	Ø

7.2.3 Attendance Shift Settings

Attendance Shift: The employees shall perform their duties according to the shift schedule.

Click [Add] to set the shift name and shift schedule.

Shift cycle can be set by day, week or month. The schedule will automatically repeat according to the set day(s), week(s), month(s) or years.

Day: You can customize the attendance period of each day. The number of days should be between 1 and 31.

Week: The schedule will repeat every 7/14/21/28/35 days based on the week.

Month: You can customize the attendance period of each month.

Year: You can customize the attendance period of each year

Working overtime on days off:

You can set overtime on weekends or holidays.

Work hours: set it as needed. For example: work time is set to 8 hours, the overtime will be calculated as 8 hours even if the actual working time is more than 8 hours. If the actual working time is less than 8 hours, the overtime will be calculated according to the actual working time.

7.2.4 Personnel Scheduling

You can set different schedule for different attendance groups or employees.

Select the attendance group or employee and then click [Scheduling] to select the shift and schedule start time and end time. Finally, click [Ok] to save the settings.



If the schedule for the attendance group or the employee needs to modify, select the group or person, click [Delete the scheduling] to delete the current schedule.

If there is something wrong with the attendance shift, you can select the person or group on the left and click [Scheduling] to modify.

When the temporary scheduling is needed, select the person or group, click [Temporary Scheduling], select date and period. After that, click [OK] to save the settings.



If you want to modify the temporary scheduling, you can select the person or group and click [Temporary Scheduling] to modify. Click [Delete] to delete the temporary scheduling of the day.

	-		202	1	-		7	-
	Mod	dify t	emp	orar	y scl	hedı	uling	×
Mon								
1			Jul	2	024	▶		
Deat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
Rest	30	1	2	3	4	5	6	
Group Temporary Sch	7	8	9	10	11	12	13	
ð	14	15	16	17	18	19	20	
9:00-18:00	21	22	23	24	25	26	27	
	28	29	30	31				
15								
9:00-18:00			Davis				_	
			ren	Ju	lest		•	
22	Cover	ring Sul	o-node	s	Modi	fy	Delete	
9:00-18:00	5100	10.00			5100			1

Select the group /person and click [Clear Temporary Scheduling] to clear all temporary scheduling of this group/person.

If you want to delete the scheduling, click = at the top right corner. Select the group or person and then click [Delete the Scheduling] to delete the scheduling.

Scheduling	요 Export Template 년 import	Show Child Nodes Show Person
Q. Search	☑ Target Object Shift Type	Effective Date
E Default Group	Default Group two days off Group Sche	2024-07-01 ~ 2025-07-01
■ 04		

7.2.5 Attendance Handling

If someone needs to apply for leave or correct the check-in/out record, you can enter the attendance handling interface to set up. Leave/Business-Trip Settings:

- ① Select the employee who wants to apply for leave or do business trip.
- ② Click [Leave/Business-trip].
- ③ Select the date the employee wants to apply for leave or do business trip.
- ④ Select the type, sub type, leave time and remark.
- ⑤ Click [OK] to save the settings.

: click it to set the sub type of leave or business trip.

🗟 Correct Check in/out 🤇	🗄 Leave/Busin	ess-tri						
Q Search			Le	ave	Туре			×
🗆 📄 Default Group	•							
& 04			▲ D	ec	2023	•		
	Sun	Mon	Tue	We	d Thu	Fri	Sat	
	20	27	28	2			2	
	3	4	5	6	7	8	9	
	10	11	12	13	3 14	15	16	
	17	18	19	20) 21	22	23	
	24	25	26	27	7 28	29	30	
	31	1	2		4	5	6	
	-	Гуре	Leave				•	
	Sub ⁻	Гуре	Sick Lea	ave			•	<u>e:</u>
	Leave ⁻	Time	09:00	\$	18	3:00	2	
	Rer	nark						
						ОК	Car	ncel

Cancel Leave/Business-Trip:

When the leave or business-trip cancels, you can go to the attendance handling interface to cancel it.

- 1. Select the person you want to cancel the leave/business-trip and then a timetable will display.
- 2. Clicking on the Leave/business trip tag will display a Leave/business-trip detail box.
- 3. Move the slide bar to the right as shown below. Click i to cancel this item.

Correct Check in/out	🛱 Leave/Business-trip											
Q Search					•	2023	•	1	2	-	•	
Default Group		l	_eave/Busines	s-trip Detail					×		Thu	
•••	End Time	Leave Type	Operator	Remark		Edit		Delete		30		1
	12-07 18:00:00	Sick Leave	admin			Ø		Ū				
										7		8
										Leav 14	ve/Business-trip	15
										24		
										21		22
								Close		28		29

Correct Check-in/out Time:

You can correct check-in/out time for the exceptional records according to actual needs. If the employee actually starts and ends his/her work in the normal working time but he or she forgets to check in/out, then "Correct Check in/out" function can be used.

- 1. Select the person you want to correct the check in/out record.
- 2. Find the desired date and then click [Correct Check in/out].
- 3. Correct the check- in/out time as needed.
- 4. Click "OK" to save the settings.

Correct Check in/out	re/Business-trip							
Q Search		Co	rrect	Check	-in/o	ut		×
🖃 盲 Default Group								
₿ 04			(D	ec 20	23			
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
		27		29		1	2	
	3	4	5	6	7	8	9	
	10	11	12	13	14	15	16	
	17	18	19	20	21	22	23	
	24	25	26	27	28	29	30	
	31	1	2		4	5	б	
	Correct Che	ck in/out	09:00				٥	÷
		Remark						
						ОК	Can	cel

On the day that you correct check-in/out time, an icon (



7.2.6 Holiday Settings

You can set a special day as a holiday. The holiday here takes priority over the attendance shift. That is to say, once a day is set as a holiday, there is no need for you to check in even if it is scheduled in the working day.

In the holiday settings interface, click [Add] to add the holiday as needed.

Ē	t Add 道 Delete
Attendance Check Point Settings	🗌 🛛 Name Holiday Time Holiday Days
E Basic Configuration	Add Holiday ×
(Attendance Period	* Holiday Name Holiday
🗟 Holiday Settings	Holiday Days 1
Attendance Shift	Start Date 2023-12-23
A Personnel Scheduling	OK Cancel
Attendance Handling	

7.2.7 Basic Configuration

In this interface, you can set the attendance accuracy.



7.3 Search Attendance Record

You can search the desired attendance records to view the employee's attendance status by filtering the conditions, such as attendance group, name, etc.

Statistics by day/month

Click "Statistics by day", select the employee, set the time and click [Search] to view the attendance status of the employee on each day (including late, early leave, absent, overtime, etc.)

Staff List	Time 2023-12-01 ~ 2023-12-23	🛗 Group 🎦 Default Group	 Name 04 	Search Calculate the attendance
Q Search	🖸 Export			
😑 👕 Default Group	Time Group	Work ID	Name At	tend Status Attendance Rule Time of
≗ 04	2023-12-22 Default Group	p	04 0	Calculating 9:00-18:00 No Check-In,
👕 Delete Employee Group				

Click [export] to export an Excel of the attendance result. These exporting items can be customized as needed.

Click "Statistics by month", select the employee, set the time and click [Search] to view the attendance status of the employee in each month (including late, early leave, absent, overtime, etc.)

Attendance Record

In this interface, you can search the attendance by temperature and mask-wearing status.

Export Reports

In the statistical reports interface, you can generate Excel daily/monthly/abnormal attendance report and export them to the USB flash drive.

Send Reports Regularly

You can regularly send the statistical report to the designated email address. The setting steps are as follows. Click "Send reports regularly" and go to its setting interface. Click [Add] to fill out the report type, employee, delivery date, send time, mail title, text and recipient.

Note: At the sending time point, the authentication server (management server) must be online and connected by a monitor client. Report type: daily report, monthly report and abnormal attendance report.

Delivery Date: Daily report: next day; Monthly report/abnormal attendance report: the first day or the last day of each month Recipient: The email address of recipient must be added in the person list (Group management \rightarrow Person List) as shown below. In addition, the email address of the sender has been set in the email settings interface. Please see Email Settings for details.

Person List		nge Group 🛛 🖲] Failure Rec	cord 🕒 Import 🕶	🖸 Export	t All 🛛 Dov	vnload Template	₽ Custom	Q Search	. =
	M Formatting Tools						Edit Targe	et		
Q Search	N N				6	Basic		Access Control		
E Default Group	Ge Ge									
늘 Delete Employee Group	Rer	* Name	04			2				
	20	Gender	O Male	• Female		J.	-			
		Work ID								
		Telephone				A				
						Imag	ge size: less than 2	200KB is recommended		
		Remark								
		Detail 🔨								
			_							
		ID Type	ID Card		-	Birthday	2023-12-23			
		ID NO				Country				
		Province				City				
		Work Type			En	nail Address				
									Ne	xt OK (

Search Attendance Log

Real-time Monitoring Attendance Configuration	Attendance Record Statistics	
Ē	Time 2023-12-01 ~ 2023-12-23 💼 Object Type Attendance Period,Atten 🔹 Operation Type Add,Delete,Modify	Search
E Statistics by Day	🖸 Export	
	Operator Object Type Target Object Operation Type	Time
Statistics by Month	admin Correct Check-in/out 04 Add	2023-12-23 16:05:27
🗟 Attendance Record	admin Correct Check-in/out 04 Delete	2023-12-23 16:05:14
Chatistical Demost	admin Correct Check-in/out 04 Add	2023-12-23 16:04:42
	admin Leave/Business-trip 04 Add	2023-12-23 16:02:53
Send Attendance Report Regularly	Attendance Shift two days off Add	2023-12-21 10:57:16
2 Attendance Log	Attendance Shift One day and two days of Add	2023-12-21 10:57:16

7.4 Statistics of Attendance Data

In the statistics interface of Face Attendance, you can view the attendance data in the form of chart.

Granularity: Group or human can be selected. If Group is selected, the attendance data of each group (department) can be viewed.

If Human is selected, the attendance data of the employees in the group (department) can be viewed.

You can quickly view the attendance data by week/month/year and also can view the attendance data in a specified period.



7.5 Real-time Monitoring

7.5.1 Real-time Monitoring

Go to Face Attendance \rightarrow Real-Time Monitoring interface. Face comparison information can be viewed after the camera is dragged to the preview window.

Note: The compared person in attendance system shall be added in the person list in advance. One person only can be added in one group. If this person also be added in other groups (like VIP list), the comparison result will not be obtained.



Attendance overview: you can view the number of people who should arrive or actually arrive.

7.5.2 Data Synchronization

When the attendance device/transfer server/intelligent server is offline within a short time, there are attendance data generated during

this time. After the above-mentioned device or server is online, click at the top right corner of the camera deployment interface and then the synchronizing task will be triggered. Up to 6-hour offline time are supported for the attendance device. So, the system will synchronize the attendance data within 6-hour time to the platform after the device is online

Note: The attendance device must support synchronization function, or this function cannot be used.

8 Face Access Control

Click (2) at the bottom right corner to select face access control guide.

Face Access Guide ×	
Add Device >> Ea 	
Event Linkage	Atendance Guide
+	Video Monitor Guide
Q	III TV Wall Guide
Record Search	🖨 Parking Guide
	Face Access Guide

In the face access control guide interface, click the corresponding menus in sequence to quickly set the face access guide.

8.1 Add Face Recognition & Access Control Device

Go to Resource Management \rightarrow Add, Edit or Delete Device \rightarrow Encoding Device interface. Then click [Add] to add the face recognition & Access Control device.

After the face recognition & access control device is added, please enter the device setting interface to configure tamper alarm, door contact configuration, door lock and wiegand configuration (varies by models).



8.2 Permission Settings

Go to the permission management interface. Add a new permission group or add the face recognition& access control device to the added permission group.



8.3 Event Linkage

In the event linkage interface, you can set alarm linkage items for anti-tampering alarm or door contact alarm

Real-time Monitoring Event Linkage E-Map	Access Control	Record Searc	h										
Alarm Type	() All ON	⊗ All OFF Ω	Restore default Ar	rea Please sel	ect ·	Schedule	Setting				QR	lter	
Q Search	Name	Audio	✓ Preset	Record	✓ Alarm Preview	✓ Snapshot	✓ Alarm Output	Voice Broadcast	✓ TV Wall	✓ Trigger Em	SOP	✓ Schedule	\sim
 Monitoring Point 	*IPC	✓ ON	Null	Null	Null	Null	Null	Null	Null	Null	Null	7*24	
Monitoring Point- Anti-tampering Alarm				-	-	-	-	-		-	-		
Monitoring Point-Door Contact Alarm													

8.4 Record Search

1. Pass Record

In the record search interface, you can search the pass records by time, type and device.

Real-time Monitoring Event Linkage E-Map	Access Control Record Search					
Ē	Time 2023-12-23 00:00:00 ~ 2023-1	2-23 23:59:59 🗰 Туре	All	Device IPC	▼ Search	
Pass Record	🖸 Export 🛛 Export All					
Incoming Call Record	Target Picture	Passing Time	Name Type	ID NO Mask Status	Temperature	Device Name
	and the second s	2023-12-23 1	04 Allow List	Mask Off		IPC
	and the second s	2023-12-23 1	04 Allow List	Mask Off	36.5°C	IPC
	1	2023-12-23 1	04 Allow List	Mask Off		IPC
	5 5	2023-12-23 1	Stranger	Mask Off		IPC
	Name: 04					

Select the "Stranger" type. Click [Add to library] to add the stranger to the face database. Click [Export] or [Export All] to export the Excel pass records.

(2) Incoming Call record

In the incoming call record interface, you can search the call record between the monitor client and the device.

8.5 Two-Way Talk

Before using this function, please make sure that the face recognition and access control device is added successfully.



When someone presses the call button in the device, the client will receive the two-way talk request. Click will to answer; click wind to hang up. During the two-way talk period, you can control the door contact through the buttons at the bottom of the two-way talk window. These buttons includes "Open door", "NO", "NC" and "Recovery to Normal".

Note: Only one client can answer the call at a time. When another client answer the call, the two-way talk of this client will be hung up.

8.6 Real-Time Monitoring

Go to the real-time monitoring interface and then click "View". Choose the face recognition & access control panel as shown below.



Click "List" to display the linked access control equipment. Double click the door icon to show the live video. You can do the following operations, including "Open Door", "NO", "NC", "Recovery to Normal", "All Normally Open", "All Normally Closed", "All Recovery to Normal" as shown below.

8.7 E-Map Access Control

Go to the E-Map Access Control interface. You can filter the access control alarm type as needed, including "Monitoring point-tamper alarm" and "Monitoring point-door contact alarm".



9 Video Preview

9.1 Video Preview

Go to Home \rightarrow Video Preview interface as shown below.



The descriptions of the video preview buttons are as follows.



Button	Description	Button	Description
1	Screen display mode; click to view more screen display modes. Please select as needed.	6	Show/hide target tracking box
2	Full screen	7	Close all previews
3	Enable/disable OSD	8	Save the current view mode
4	Enable/disable broadcast	9	Export snapshots
5	Manual alarm output		

4:3/16:9/Original Aspect Ratio/Full-Win: window display ratio, please select it as needed.

Toolbar on the display window:

Button	Description	Button	Description
\otimes	Close image	Ø	3D zoom in
Ž	Start/stop recording		Zoom in
Ø	Snapshot	Q	Zoom out
√×	Enable/disable audio		Fit to window
Q	Enable/disable talkback		Manual alarm output
Ŷ	Enable/disable channel talkback	9	Monitoring point setting (camera setting)
¢,	PTZ control		

When the IPC under the DVR/NVR device has access to the channel, click 💟 to enable two-way audio between the DVR/NVR and the

monitor client; click it to enable two-way audio between the IPC and the monitor client.

Right-click button function:

Menu	Description	Menu	Description	
Close Channel	Close image	Start Channel Talkback	Enable/disable two-way audio between the channel and the monitor client	
Start Record	Start/stop recording	stop recording Channel Info. Channel		
Instant Playback	Click it to play back immediately	Stream	Choose video stream	
Audio ON	Enable/disable audio	Full Screen	Display image in full screen	
PTZ Control	Click it to show PTZ control panel	Image Adjustment	Set the image's brightness, saturation, contrast and so on	
Snapshot	Snapshot Capture images		Click it to select alarm output device and then trigger alarm out manually	
Start Talkback	Enable/disable two-way audio between the device (eg. NVR) and the monitor client			

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

Note: the platform only can enable audio of one window. If the audio is enabled in one window, the audio in previous window will be disabled.

9.1.1 Monitoring Point View

• Start View

To start video preview, 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 video preview window to display the menu toolbar and then click kito stop viewing.
- ② Right click on the video preview window and then select "Close Channel" to stop viewing.
- 3 Click on the toolbar of the video preview interface to stop all videos.

9.1.2 Channel Group View

> Channel Group Setting

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

Add, Edit or Delete Device Devi	ce Setting Area Setting	Channel Group Set	ting	Task	
Add Delete		Add Ch	annel	Group	>
	* Channel Group Name	1			
	Keyboard Number	1			
	Dwell Time	5 s		•	
	Parent Channel Group			•	
	Selectable Device	1/3		Selected Device	0/1
	Q Search		<	Q Search	
	Device	Name_IP Camera03	>	Device Name_IP	Camera01
	Device	Name_IPC			
	L Device	Name_IPC	*		
		_))		
				ОК	Cancel

- 2 Click [Add].
- ③ Enter channel group name, channel group and dwell time.
- (d) Select the parent channel group.

S 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.

6 Click [Ok] to save the settings.

Start Channel Group View



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 to play all channels in the group.

2. In the current screen display mode, select a window and then click O beside the channel group name to play all channels of the channel group in this window in sequence. (Put the cursor on the channel group name to display O)

If there is only one sub channel group under the parent group, select a window and then click 🧿 next to the parent group name to play all channels in the parent group and the sub channel group in the window in sequence.

Select a window and click \mathfrak{S} next to the sub channel group to play all channels of the sub channel group in this window in sequence.

3. If there are several sub channel groups under the parent channel group, click O next to the parent group name and then all sub channel groups will play in sequence. The screen display mode will automatically adapt to the channels of the sub group.



Click Let to play the previous sub channel group; click Let to play next sub channel group; click Let to stop auto switch among the sub channel groups.

> Stop Channel Group View

- 1 Place the cursor on the auto-switch window and then click \bigcirc to stop viewing.
- (2) Right click the auto-switch window and then click "Close Channel" to stop viewing.
- ③ Click I on the toolbar of the live view interface to stop all live view.



9.2 Smart View

In the live view interface, click do n the right of the interface. A menu bar will be shown on the interface as shown below. Then you can switch the preview mode between video preview and smart viewing mode.

Note: **O**: it is a smart mode icon but not a functional button. You must click the smart display button under it to show the corresponding results.



The descriptions of the button on the right:

Menu	Description	Menu	Description
	Preview only mode	0	Smart mode icon
ُ <mark>ا</mark> َ	Smart Snapshot: real-time display of snapshots, including face, human body, motor vehicle, non-motor vehicle and vehicle plate.		Face Comparison: Real-time display of face comparison results





9.2.1 Face Comparison

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

Add face comparison device \rightarrow Create a group \rightarrow Add targets to the group \rightarrow Set task \rightarrow Real-time View \rightarrow Search faces

- 1. Go to Home→Resource Management→ Add, Edit or Delete Device interface to add face recognition devices.
- 2. Create a group, add targets to the group and bind permission for them. Please refer to Group Management for details.
- 3. Set the task for these added face comparison device. Refer to <u>Task Management</u> for details.
- For the added NVR with face recognition function please set the face comparison parameters by entering Resource Management→Device Setting interface. Refer to the following interface.



Please select "Successful Recognition" or "Stranger" as needed and then set the schedule separately. After that, check the group and set the similarity. Finally, save the settings by clicking [Apply].

If the face comparison settings cannot be set according to the above-mentioned way, you can log in the web client of the NVR and then configure face recognition to realize the auto report of the face match result as shown below.

Camera Name									
People/Vehicle Det		e Recognition			LPR				
Line Crossing	Detection	Recog		De	tection	Recognition			
Intrusion	Face	e Database 🧼			Plate Dat	abase 🖈			
Enable Succ	Enable Successful Recognition 🗹 Stranger								
Parameter Settings	Successful R	lecognition s	Stranger						
Face Group	More 🗹	All(default)	2022_9_27	_10.15.1.2	208_34_White_	Default Group;2022_9_2			
Schedule	24x7	~	Manage						
Text Prompt						Voice Prompt			
🔲 Enable alarm ou	utput pulse(Acce	ss Control)							
Trigger Genera		Record			Alarm-	out Configure			
Push		Came	ra01						

Additionally, please make sure the face detection function is enabled for the AI IPC (click Device Setting \rightarrow Face Detection).

Encoding Device	OSD Setting	Image Setting	Stream Setting	Privacy Mask Setting	ROI Setting	Focusing Setting	Motion Detection	Motion Alarm Linkage	Exception Detection	Face Detection	
 ○ Search ○ default area ○ Device Name ○ IP Camera01 ○ IP Camera01 	Control Contro Control Control Control Control Control Co	eraol ax Max n Min O	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	50 3	Face Detection Ho Save Source In Save Face In Application Snapshy Snapshy Near priority cc Free time cc Face	(IPC)	• • •	0			

View the real-time snapshot and comparison result

Face capture results can be pushed by the cameras with face detection function. Human body/motor vehicle/non-motor vehicle capture results can be pushed by the cameras with human/vehicle classification function. Face Comparison and license plate comparison result can be pushed after the face/license plate comparison is configured, even if the corresponding cameras are not playing in the live view interface.



In the smart snapshot area, click the corresponding icon (face/human body/motor vehicle/non-motor vehicle/plate) to filter the display of

button to quickly go smart snapshots. Disable the selection and then the corresponding smart snapshots will not be displayed. Click to the smart snapshot retrieval interface.



			-				
(0)	[@]	()	[@]	[@]	[⑦]		[⑦]
Age	Gender	Glasses	Age	Gender	Glasses		Age
(O)	[⑦]	(®)	(®)	[⑦]	[@]	125	[⑦]
Mask	Headgear	Hair	Mask	Headgear	Hair		Mask

For attribute display settings, please refer to snapshot attribute settings for details.

Note: If you want to view the detailed attribute/feature information of the snapshot images, you should add the AI IPC with video metadata

function and this function must be enabled first.

Quickly adding the detected target to the face database:

Put the cursor on the face snapshot and then click +. The following window will pop up. Select the group and then fill out the relevant information to add.



Click duckly skip to the image search by image interface.

The captured picture can be exported. Click 🏼 and then select the export path and then click [OK] to export

• Face Comparison Display Settings

Click ② on the right corner of the live interface to display the configuration window as shown below. One or more items can be selected.

Pop-up prompt: if enabled, the alarm box of the corresponding face comparison result will pop up. If disabled, the alarm box will not pop up.



Frame Holding Time: select the alarm pop-up window holding time as needed.

Statistics display: If selected, the corresponding statistical information will displayed on the top of the preview window.

Pass-by(Today): 13 Abnormal Temp: 0 Mask Off: 0	Configuration	×
1272342023 03:12783	Face Matching Settings	
	Pop-up Prompt 🔹 Block List 📽 Allow List 🕿 Stranger Frame Holding Time(s) • Always Show · Automatically Hide(3s) · Automatically Hide(5s) · Automatically H Statistics Display	Hide(10s)
A STATE OF STATE	🖉 Pass-by(Today) 🖉 Abnormal Temp 🖉 Mask Off	
Comerce 33	Face Comparison(Today) Block List (People) Stranger	

• Face Comparison Records

Click E to view the face comparison details. Click to quickly add the captured face picture to the face database.

Comparison Re	🖦 Verified Target	Info(details)	× • Stranger Device Name_Camera01 10-18 16:06:04
		Name Gender Unknown	
	A	dd to Group	×
Person List		Basic Access Control	
Q. Search	* Name Gender O Male O Female Work ID Telephone	Image size: less than 200KB is rec	ommended
	Remark	image size: less than 200kb is rec	ommended

Click to quickly enter the face comparison retrieval interface. Select the camera and click [Search] to search the face comparison

results.



9.2.2 License Plate Comparison

If this is the first time for you to set the license plate recognition function, please follow the procedures.

Enter Group Management \rightarrow People & Vehicle Management \rightarrow Vehicle Registration \rightarrow Add Vehicles \rightarrow Task Settings \rightarrow View Real-time License Plate Comparison Results \rightarrow Search License Plate Comparison Result

1. Go to People & Vehicle Management \rightarrow Vehicle Registration interface. Click [Add] to add the vehicle information to Allow List or Block List.

Vehicle Registration	🔁 Add) 🗇 Delete 🔹 Import 🕶 🖆 Export 🗸 📑 Export Al 👻
🖶 Allow List	Add New Vehicle × Pho
Block List	* Number Plate
	Owner Input Method • Input Manually • Select from person list
	Name
	Phone
	Vehicle Color Black
	Description
	Add and Continue OK Cancel

2. Click the "Task" tab to setting license plate recognition task. Select the license plate recognition camera and then click applicable scenario. Select "Vehicle deployment control" and click "OK".

a Setting Channel Group Setting Task				
⟨② Schedule Template				
Monitoring Point	Monitoring Point	Applicable Scenario	\sim Face Capture Source \sim So	hedule
Q Search	Camera33 Face St	urveillance,Face Greeting,Face Attendance,Vehicle deploy	ment control race Match by IPC 7*24	
😑 🛕 default area		Applical	ble Scena <mark>r</mark> io X	
Camera33			•	
IPC		All		
IPC		Face Surveillance	Vehicle deployment control	
		Face Greeting	Face Attendance	
			OK Cancel	

3. Ensure that the license plate recognition IPC has already enabled the license plate detection function.

• License Plate Capture and Comparison Settings

Pop-up prompt: if enabled, the alarm box of the corresponding license plate comparison result will pop up. If disabled, the alarm box will not pop up.

Vehicle Matching Settings
Pop-up Prompt 🛛 Block List 🗹 Allow List
Frame Holding Time(s) • Always Show • Automatically Hide(3s) • Automatically Hide(5s) • Automatically Hide(10s)
Statistics Display
🗌 Vehicles Passing(Today) 🔲 Plate Comparison(Today) 🔲 Block List (Vehicle)
Save Close

Frame Holding Time: select the alarm pop-up window holding time as needed.

Statistics display: If selected, the corresponding statistical information will displayed on the top of the preview window.



License Plate Capture Records





Click Olicy to quickly go to the record playback interface.

Note: if you don't set the record schedule or record linkage is not configured for the corresponding events, no record will be searched after you enter the record playback interface.

License Plate Comparison Records

Click

E to view the license plate comparison details.



Click 🗖 to quickly enter the vehicle plate comparison interface. You can search the captured vehicle plate as needed.

9.3 Plan View

In the video preview interface, select "View" on the left menu bar.



• Add View Plan:

(1) Right click "Video Preview 1" and then select "Create View" or click **1** 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 on the live view interface to save 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.

• Start/stop auto-switch

If multiple view plans saved, you can play these views in sequence.



Enter the dwell time (5~3600s) and then click [Start auto-switch] to play these views in sequence. Click It view the previous view;

click to view next view; click to pause.

9.4 PTZ Control

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





9.5 Instant Playback

In the video preview 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).



10 Record & Playback

10.1 Record Configuration

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

10.1.1 Schedule Recording

Go to Home \rightarrow "Record Setting".

By Time	By Event	By Tag Management	Record Backup Search Pi	cture Record Se	etting					
Area			Schedule Setting							
			Channel Name	Stream Type	✓ Record Schedule	e 🗸 Audio	✓ Recording Before Alarm(s)	✓ After Alarm Time(s)	✓ Expire Time(day)	✓ Offline Record ✓
Q Search			*Device Name_IPC	Main Stream	7*24	Open	0	60	Never Expire	Open
🏠 defa	ult area		*Device Name_IPC	Main Stream	7*24	Open	0	60	Never Expire	Open
			*Device Name_IP Camera01	Main Stream	7*24	Open	0	60	Never Expire	Open
			*Device Name_IP Camera03	Main Stream	7*24	Open	0	60	Never Expire	Open
			*Device Name_Camera01	Main Stream	7*24	Open	0	60	Never Expire	Open
			*Device Name_IPC	Main Stream	7*24	Open	0	60	Never Expire	Open

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

Recording Before Alarm: set the time to record before the actual recording begins.

After Alarm Time: set the time to record after the actual recording is finished.

Expire Time: set the expiration time for recorded video. If the set date is overdue, the recorded data will be deleted automatically.

Offline Record: When the IPC/NVR is disconnected with the storage server, the IPC/NVR starts offline record. After the network is connected again, the offline record of IPC/NVR stored on the SD card or HDDs will automatically transfer to the storage server.

Note:

1. The time of the IPC/NVR must be the same as the storage server.

2. A maximum of 8 channels can simultaneously transfer the offline records to the storage server.

3. Due to the limit of the storage capacity, the previous records of the IPC may be overwritten if the disconnection time is too long so that only a part of records can be replenished.

4. Only support the most recent 12-hour record replenishment.

• To set schedule:

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



2 Click [Add].

	Schedule Setting	×
Record Schedule	Schedule Name New Schedule 1	
(*) Add	𝔗 Copy 0 2 4 6 8 10 12 14 16 18 20 22 24	ţ
Q Search	& Sun.	\$
1 7*24	A Mon.	
5*24		
E New Schedule 1	A Tue.	\$
	<i>&</i> Wed. ■	٠
	A Thu.	*
	🔗 Fri.	\$
	🔗 Sat.	*
	Save	lose

- ③ Enter the schedule name.
- Set the schedule. Drag the mouse on the timeline to add or erase the time period. Click to manually set the time period.
 Put the cursor on the set schedule name and then a deletion icon will appear. Click it to delete the schedule.

10.1.2 Alarm Linkage Recording

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

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

③ Click [Apply]to save the settings.



10.2 Playback

In the main menu interface, click "Record 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 three types of playback: normal playback, smart playback by face, smart playback by license plate.

10.2.1 Normal 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
\otimes	Stop viewing	Ð	Zoom in
Ľ	Audio on/off	Q	Zoom out
ø	Snapshot		Fit to window

Button Descriptions of Area 2:

Button	Description
2 3 4 9 16	Screen display mode button.
	Full screen
X	Close all window viewing
▼	Rewind
₹	Low speed playback
	Stop
	Play/Pause
F	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.
×1	Click it to restore normal playback
¥₩	Forward 30s or backward 30s
×	Set backup time
	Start backup
	Synchronous playback or asynchronous playback

Clip and backup:

Click to enter the edition status. On the recorded timescale, select the start and the end time or right click on the timescale and

to enter the record backup interface

then select [**Change backup time**] to set the backup start time and end time. After that, click to view the backup file list.

Record Backup Search Picture Record Setting Backup ^ 10-19 00:00 4 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 € 🤉 🕲 Eace Event Behavior Ana POS Backup Backup on Dev Start All II Pause All Stop All 🖻 Clear All Finished Tasks Channel Start Time End Time Duration Progress Operation Backup Path No. Device Name_Camera01 2023-10-18 16:33:43 2023-10-18 17:02:29 00:28:46 Þ C:\backup\Device_Name_Ca 3%

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		Event list
Ð	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 [Play] to play.

Playback record type includes manual recording, motion detection recording, schedule recording, sensor recording, target counting recording and behavior analysis 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.

The time scale can be zoomed in by clicking $\stackrel{\textcircled{}}{\longrightarrow}$ and the time scale can be zoomed out by clicking $\stackrel{\bigcirc}{\longrightarrow}$. 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.

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.

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 or will be useless unless all the playback windows are closed.

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. Please play the record according to the ways introduced as the above. The record bar in asynchronous mode is as below.

10.2.2 Smart Playback by Face

For the added face recognition NVR, you can play back by searching face.

⑦ Normal ⑧ Face ⑧ Vehicle	
Face Recognition NVR	
Q Search	
🛨 🧧 🏠 default area	
Select Image	
Upload	
Playback Source	
Network Device	
Time	2 3 4 9 15 🗖 🛒 Self-adaptive Stream 👻 Full-Win 💌
2023-10-18 00:00:00 ~ 2023-10-18 23:59:55 m Max Number	4 05-18 0.00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 20:00 00:00 10:10
500	
Similarity(%)	Windows U State St
60	Window5
Face Search	Windows
	Manual Schedule Video Detection Motion Detection Face Event Target Counting Behavior Analysis POS

Clicking on ^{Clicking} enters the above interface. Select the face recognition NVR and then click "Upload" to add a face picture. You can add the face picture from the USB flash drive, target picture or group. After that set the start and end time, max. number and similarity and then click [Search] to search the records.

Add a face picture from the USB flash drive: Click "Upload" to select the desired face picture in the USB flash drive and then click [OK] to save the settings.

Add a face picture from the target picture: Select cameras, search resource, query method and time to search targets. Then select the target and click [OK].

Add a face from the face database:

- 1. Click the "Group" tab.
- 2. Select the face picture from the person list.
- 3. Click [OK] to save the settings.

The picture must be added to the corresponding list in advance, or no picture can be searched. Refer to Chapter 6 Group Management for details.

Note: The record source is from the HDD of the face recognition NVR. The comparison record of this person must exist in the HDD, or no record can be played.



10.2.3 Smart Playback by License Plate

The vehicle records can be searched from the NVR. The setting steps are as follows:

- 1. Select the NVR.
- 2. Enter the license plate number to select the plate from vehicle database of NVR.



Network device: select the record source from the NVR.

10.2.4 Playback by Time

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



③ Click to play the record.


Click Dutton on the top right corner to play in full screen mode.

Double click the image to switch to slice search mode by hour.

Double click an image to switch to slice search mode by 5 minutes. Click "Slice Per Day" or search it again to return to slice search mode by day.

Record Backup: The selected time slice will be quickly backed up by clicking the "Record backup" tab next to "Slice Per Day". **To Storage Playback**: The selected time slice will be quickly played back in the storage playback interface by clicking this button.

10.2.5 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 By Event By Tag Management	Record Backup	Search Picture Record Se	etting							
Monitoring Point	Before the ever	nt 0 s 📰 To Storag	e Playback						Q Device name/Ti	me/Event type
Q Search	No.	Name	Start Time	End Time	Duration	Туре	Playback	Record Back	Backup Stre	Backup on Dev
🕂 🜌 🏠 default area	□ 1	Device Name_Camera01	2023-10-18 19:33:38	2023-10-18 19:34:06	00:00:28	Face Event	Þ	Đ	Main Str	Đ
	2	Device Name_Camera01	2023-10-18 19:33:38	2023-10-18 19:34:16	00:00:38	Face Event	F	Ð	Main Str	Ð
	3	Device Name_Camera01	2023-10-18 19:33:30	2023-10-18 19:35:07	00:01:37	Motion Detection	Þ	Ð	Main Str	Ð
	4	Device Name_Camera01	2023-10-18 19:32:18	2023-10-18 19:32:37	00:00:19	Face Event	Þ	Ð	Main Str	Ð
	5	Device Name_Camera01	2023-10-18 19:32:18	2023-10-18 19:32:54	00:00:36	Face Event	Þ	Ð	Main Str	Ð
	6	Device Name_Camera01	2023-10-18 19:31:45	2023-10-18 19:32:42	00:00:57	Motion Detection	×	Đ	Main Str	Ð
Playback Source	0 7	Device Name_Camera01	2023-10-18 19:31:25	2023-10-18 19:31:43	00:00:18	Motion Detection	Þ	ŧ	🗹 Main Str	ŧ
Network Device	• 0 8	Device Name_Camera01	2023-10-18 19:30:56	2023-10-18 19:31:14	00:00:18	Motion Detection	Þ	Ð	Main Str	Ð
Time	9	Device Name_Camera01	2023-10-18 19:30:31	2023-10-18 19:30:50	00:00:19	Face Event	Þ	Ŀ	Main Str	U
2023-10-18 00:00:00 ~ 2023-10-18 23:59:59 📾	10	Device Name_Camera01	2023-10-18 19:30:04	2023-10-18 19:30:23	00:00:19	Face Event	F	Đ	Main Str	Ð
Event Type	11	Device Name_Camera01	2023-10-18 19:30:03	2023-10-18 19:31:10	00:01:07	Face Event	F	Ŀ	Main Str	J.
Reverse A Schedule	12	Device Name_Camera01	2023-10-18 19:28:37	2023-10-18 19:30:50	00:02:13	Motion Detection	Þ	Ð	Main Str	Ð
Video Detection Solution Detection	13	Device Name_Camera01	2023-10-18 19:27:59	2023-10-18 19:28:42	00:00:43	Face Event	Þ	Đ	🗹 Main Str	ŧ
Sensor Face Event	14	Device Name_Camera01	2023-10-18 19:27:59	2023-10-18 19:28:24	00:00:25	Face Event	F	Ŀ	Main Str	Ū.
Iarget Counting Behavior Analysis POS POS Key Word	15	Device Name_Camera01	2023-10-18 19:27:17	2023-10-18 19:27:53	00:00:36	Face Event	×	Đ	Main Str	Đ
	□ 16	Davica Nama Camara01	2023 10 18 10-27-17	2023 10 18 10:27:55	00-00-38	Face Event		ш	Main Ctr	л
Search	Total: 439 5	.0 -						M	 ▶ ▶ 1 	/9Page

③ Click [Search]. The searched record data will be listed. Click [To Storage Playback] to play the record in the storage playback interface;

click 🗈 to play the record in a small playback window; click 💷 to back up the record data.

10.2.6 Playback by Tag

Note: Record tag cannot be added to the record from the device.

- (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 \rightarrow By Tag interface. Select the start time and click [Refresh] to search the added tags.
- (4) Click I in the playback column to play the record.



10.3 Record Backup

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

By Time By Event By Tag Management	Record Backup Search Picture Record Setting
Monitoring Point	Backup
	● 0000000 ● 00100 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 00:00 ▶
Q search	
🖻 🖬 🏠 default area	Channel2
	Channel3
	Channel4
	Channel5
	Channels
	Main streams are preferred Backup Backup Backup ODev
	Contract All Contract All Contract All Contract Contraction
Calendar By Event	C Surrival Estable All Le Survival Le Ceel All Hildrey Hoxs
Playback Source	No. Channel Start Time End Time Duration Progress Operation Backup Path
Network Device	1 Device Name_Camera01 2023-10-18 16:33:43 2023-10-18 17:02:29 00:28:46 3% T T Ctbackup/Device_Name_Ca
Calendar 🔗	
∮ Oct 2023 ▶	
Sun Mon Tue Wed Thu Fri Sat	
24 25 26 27 28 29 30	
1 2 3 4 5 6 7	
8 9 10 11 12 13 14	
15 16 17 18 19 20 21	
22 23 24 25 26 27 28	
29 30 31 1 2 3 4	
Search	
otortin -	

- ① Select the desired monitoring point.
- ② Get records from device or storage server.
- ③ Select date and event type.

④ Drag the mouse on the recorded time period to set the start time and the end time of backup. Then click [Record Backup].

⑤ The backup progress will be seen during backing up the record. Click ^Ⅲ to pause; click [■] to stop backing up the record;

Additionally, you can start/pause/stop all backup tasks or clear all finished tasks in this interface.

"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.

10.4 Search Picture

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

These snapshots saved on the storage server or SD card /HDD must be triggered by alarm events so that they can be searched.



1. Select the device and playback source.

2. Set the start time and the end time.

3. Click [Search]

Click the searched picture to zoom in. Click it again to return to its original size. Check the selected picture and click "Export" to export the selected pictures.

11 Alarm Management

11.1 Alarm Server Configuration

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.

11.2 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.

Alarm Log Search Alarm Setting										
<u> </u>	Alarm Type	🖞 All ON 🕓 All OFF	C Restore default	: Area Plea	ase select	•	🛠 Schedule Setting		Q Filter	
E Alarm Linkage Settings	Q Search	Name	Audio	✓ Preset	✓ Record	\sim	Alarm Preview	✓ Snapshot	\sim	Alarm Output
A Manual Alarm Out	🗄 Server	*Device Name_Camera01	✓ ON	Null	Camera01	Null		Null	Null	
	Monitoring Point	Device Name_IP Camera01	✓ OFF	Null	Null	Null		Null	Null	
S SUP setting	Monitoring Point-Video Loss	Device Name_IP Camera03	✓ OFF	Null	Null	Null		Null	Null	

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).

Name		Audio	✓ Preset	∼ Record	\mathbf{v}	Alarm Preview	✓ Snapshot	\sim	Alarm Output
*Device Name_Camer	a01 🗸	ON	Null	Camera01	Null		Null	Null	
Device Name_IP Came	ON	OFF	Null	Null	Null		Null	Null	
Device Name_IP Came	OFF	OFF	Null	Null	Null		Null	Null	

Select 💙 beside the title (like record) to enable record linkage of all devices (schedule excluded). Select "Link to itself (On)" to quickly select the camera itself as the record camera.



The alarm linkage settings of preset, record, alarm preview, snapshot, alarm output and TV Wall are the same with each other. Here take record linkage for example to introduce the setting steps.

Enabled Selectable Device 1/6 Selected Device Search Search Image: Device Name_IP Camera0 Device Name_IP Camera0 Device Name_IP Camera0 Device Name_IP Camera0 Device Name_IP C Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Search Image: Device Name_IPC Image: Device	[*Device Name_Can	nera01] I	Record Linkage Setti	ng ×
Selectable Device 1/6 Selected Device 0/1 Search Search Search Search default area Image: Camera0 Image: Camera0 Image: Camera0 Device Name_IP C Image: Camera0 Image: Camera0 Image: Camera0 Image: Camera0 Image:	Enabled			
Search default area Device Name_IP Camera0 Device Name_IPC	Selectable Device 1/	6	Selected Device	0/1
 default area Device Name_IP Camera0 Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Mathematical default area Device Name_IPC <l< th=""><th>Q Search</th><th></th><th>Q Search</th><th></th></l<>	Q Search		Q Search	
	 default area Device Name_IP Camera Device Name_IP Camera Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC 	• • • • •	default area Device Name_C	amera01

Check the selectable channel and click 📩 to select the channel; check the selected channel and click K to remove this channel;

click \gg to select all channels; click $\stackrel{\ll}{=}$ to remove all selected channel.

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

Note: For TV wall alarm linkage settings, multiply TV wall pop-up windows can be linked to one channel.

Before checking voice broadcast, please upload the voice first (See Audio Uploading Settings for details). Before checking Email, please set the sender's email address and the recipient address first (See Email Settings for details).

Before checking SOP, please set the SOP first (See SOP Settings for details)

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→To set schedule for details).

Note:

1. For the alarm linkage items related to face recognition, you can set them separately, including face comparison alarm linkage, stranger alarm linkage, block list alarm linkage.

2. For the combined alarm of DVR/NVR, you can configure the alarm linkage items in the platform. If the combined alarm is set after the NVR/DVR is added to the platform, the platform cannot automatically receive the combined alarm data. Please reboot or reconnect your NVR/DVR and then the platform will display this device under the alarm type of "Encoding device-combined alarm".

11.3 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.
- 2. Click "Create" to create a SOP action.
- 3. In the alarm linkage settings interface, select the alarm event and enable SOP of the relevant device.

4. Click 💾 to extend the alarm list.

5. 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.

	Handle Alar	m SC	OP		x		
Alarm Time	2023-10-18 19:26:08						
Alarm Source	Device Name_Camera01						
Alarm Type	Monitoring Point-Motion Detection						
Index	Operation Action		Handling Status	landling Time			
1	1						
				Save process]		
	Open the Same Alarm Operation						
Disposition	False Alarm 🔻						
Remark	Input less than or equal to 100 char	acters					
			Sav	eCancel]		

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

Unprocessed: 999	Device Alarm	Motion Detection	Face Alarm	Other Intelligent Alarm	Sensor Alarm	Combined A	larm 🗹 Offline Alarm	Server Alarm	🗹 Alarm Task 🔵	SOP Filter			
Alarm Time		Alarm Source		Alarm Type	✓ Record	& Playback	Device Playback	Storage Snapshot	Device Capture	Alarm Processing	Handling Status	Disposition	Remark
2023-10-18 19:26:13	3 De	vice Name_Camera01		Monitoring Point-Face Detection	n	Э	۲	5	5	Ø			
2023-10-18 19:26:08	8 De	vice Name_Camera01	N	Ionitoring Point-Motion Detect	ion	Э	Э		臣	Ø	Processed	False Alarm	
2023-10-18 19:26:03	3 De	vice Name_Camera01	N	Ionitoring Point-Motion Detect	ion	€	ø			Ø			

If "SOP Filter" is enabled, the alarm events of the channel set the SOP will be listed.

11.4 Alarm Task Settings

In this interface, you can set the leaving alarm task.

Leaving alarm: When someone leaves the predefined area and doesn't come back within the set time duration, the system will perform alarm linkages.

To set a leaving alarm task:

- 1. Enter the Alarm Task Setting interface.
- 2. Click [Add] to add the alarm task.
- 3. Set the task name, interval time, schedule and choose the camera.
- 4. Multiple cameras can be added to an alarm task.

Alarm Log Search Alarm Setting		
	🗇 Adja 🖞 Delete	
E Alarm Linkage Settings	Task Name Channel Number Channel Schedule Interval Tin	ne(min
	Add Alarm Task	×
S SOP Setting	Task Name New_Plan_Task1	
ŧΞ Alarm Task Settings	Interval Time(min) 10	
Email Settings	Schedule 7*24 💌 🏘 Schedule Setting	
道: SIRA Alarm Setting	Alarm Type Alarm task-Leaving Alarm	
	Selectable Device 1/7 Selected Device 0/0	
	Q. Search	
	default area	
	Device Name_Camera01	
	Device Name_IP Camera0 No choice Device Name IP Camera0 No choice	
	Device Name IPC	
	OK Cance	el
	1	

5. Set the alarm linkage items. In the alarm linkage settings interface, select the alarm type as "Alarm task-Leaving Alarm". Then enable the desired alarm linkage (like "Alarm preview") and set the schedule.

Alarm Type	① All ON ⓒ All OFF 근 Re	store default Area	Please select	▼ Schedule Setting	Q Filter	
Q Search	Name Audio	↓ Preset ↓	Record 🗸 Alarm	Preview 💙 Snapshot	✓ Alarm Output	✓ Voice Broadcast
± Server	*New_Plan_Task1 V ON	Null	Null Null	Null	Null	Null
+ Monitoring Point		-	-	-	-	
 Alarm Task 						
Alarm task-Leaving Alarm						
Alarm task-Threshold exceeded						
Encoding Device						
± Sensor						

6. Go to the Device Setting interface to enable Intrusion and set the detected area.

Note:

1. The selected camera must support and enable intrusion function, or leaving alarm will not take effect. If the camera supports vehicle/people classification, please check "Human" as the detection target.

2. After the leaving alarm task is set and intrusion is enabled for the camera, when someone enters the predefined area and stays there, this person will be judged as "On Duty" so that leaving alarm will not be triggered and the intrusion alarm will not be displayed on the alarm list; but when this person leaves and doesn't return within the set time duration (interval time) or no one appears in the set time duration, leaving alarm will be triggered.

11.5 Email Setting

Alarm information can be received by the specified Email address if the Email parameters have been set in advance. Click Home \rightarrow Alarm Center \rightarrow Email Setting to go to the following interface. Add the sender and recipient's email information here.

Ē	Sender's Name	XXXX	Sender's Email Address	
🗐 Alarm Linkage Settings	SMTP Server		SMTP Port	Default
🖉 Manual Alarm Out	Security	No		
S SOP Setting	Username	-	Password	Enter Password
ŝΞ Alarm Task Settings		Apply		
	± Add			
Email Settings	Recipient	Email Address Edit E	Delete Test Email	
茁 SIRA Alarm Setting				

In the sender's Email information area, fill out the corresponding information and then click "Apply" to save the settings.

Clicking on the [Add] button adds the recipient information.

After that, in the alarm linkage setting interface, you can trigger Email.

Alarm Type	() All ON (S All OFF	C Restore default Area Please select	▼ Schedule Setting	Q Filter
Q Search	əshot 🗸 🖌 Alarm Ou	utput 🗸 Voice Broadcas	t 🗸 V Wall V Trigger Em V SO	P 🗸 Schedule 🗸
⊕ Server	Null	Null	Null Null 1	7*24
Monitoring Point	Null	Null	Null Null Null	OFF
Monitoring Point-Motion Detection	A	A	A A A	A

11.6 Alarm View

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

Alarm Type	U All ON 🛇 All OFF 📿 Restore default Area Please select 🗸 🛠 Schedule Setting
Q Search	Audio 💙 Preset 🂙 Record 🌱 Alarm Preview 💙 Snapshot 🌱 Alarm
± Server	ON Null Camera01 Vull Null
Monitoring Point Monitoring Point-Motion Detection Monitoring Point-Video Loss	[Device Name_Camera01] Alarm Preview Linkage Setting × Null
Monitoring Point-Abandoned/Missing Monitoring Point-Exception Detection Monitoring Point-Line Crossing Detecti Monitoring Point-Region Intrusion Det	Selectable Device 1/6 Selected Device 0/1
Monitoring Point-Region Initiation Det Monitoring Point-People Counting Monitoring Point-Face Detection Monitoring Point-Crowd density detect Monitoring Point-People intrusion dete Monitoring Point-Abnormal window m Monitoring Point-Abnormal window m Monitoring Point-Graget Counting by Monitoring Point-Face Comparison Monitoring Point-Region Entrance Det Monitoring Point-Region Exiting Detec	 Search default area default area Device Name IP Camera0 Device Name_IPC Device Name_IPC Device Name_IPC Device Name_IPC Will
Monitoring Point-allow list alarm Monitoring Point-Suspected over temp Monitoring Point-Suspected Low Temp Monitoring Point-Mask Off	Cancel

In the alarm preview interface, you can select multi-screen display mode by right clicking on the preview window as shown below.



Click bidirectional arrow will appear. Drag the alarm list up or down to extend or shrink the alarm list.

Click $^{(\circ)}$ or $\stackrel{\text{IC}}{\cong}$ to play the record or captured images. Right clicking on an alarm item displays a menu. Click "Alarm Preview" to jump to the alarm preview interface.

Unprocessed: 999	Device Alarm	Motion Detection	Face Alarm	🗹 Other Intelligent Alarm 🛛	Sensor	Alarm 🗹 Combined /	Alarm 🗹 Offline Alarr	n 🗹 Server Alarm 🛛	🗹 Alarm Task 🔵	SOP Filter			- 0
Alarm Time		Alarm Source		Alarm Type	\sim	Record & Playback	Device Playback	Storage Snapshot	Device Capture	Alarm Processing	Handling Status	Disposition	Remark
2023-10-18 19:26:1	3 D	evice Name_Camera01		Monitoring Point-Face Detection	n	۲	Þ	困	困	Ø			
2023-10-18 19:26:0	8 D	evice Name_Camera01	N	Ionitoring Point-Motion Detection	on	۲	Э		岙	Ø		False Alarm	
2023-10-18 19:26:0	3 D	evice Name_Camera01	N	Ionitoring Point-Motion Detection	on	۲	Ð		胚	2	Alarm Preview		

11.7 Alarm Log

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

Alarm Law Carach Alarm Catting									
Alarm Log Search Alarm Setting									
All Types 🗸 🗸	Time	2023-10-18 00:00:00 ~ 2023-10	0-18 23:59:59 🛍 Search						
	🖸 Expo	rt							
	No.	Alarm Time	Alarm Source	Alarm Type 🖌	Details Record & Playback	Device Playback	Storage Snapshot	Device Capture	Alarm Processi
	1	2023-10-18 20:28:33	Device Name_Camera01	Monitoring P	۲	Þ		E.	L
	2	2023-10-18 20:28:28	Device Name_Camera01	Monitoring P	۲	Э		困	Ľ
	3	2023-10-18 20:28:24	Device Name_Camera01	Monitoring P	۲	۲		R	æ
	4	2023-10-18 20:28:24	Device Name_IPC	Monitoring P		۲		E.	<u>e</u>
	5	2023-10-18 20:28:13	Device Name_Camera01	Monitoring P	۲	۲		E.	Ø
	6 2023-10-18 20:27:59 Device Name_Camera01 Monitoring P	Monitoring P	۲	Э		N	ß		
	7	2023-10-18 20:27:36	Device Name_Camera01	Monitoring P	۲	Э		R	D
	8	2023-10-18 20:27:28	Device Name_Camera01	Monitoring P		Э			ß
	9	2023-10-18 20:27:23	Device Name_Camera01	Monitoring P		Э		M	Ø
	10	2023-10-18 20:27:22	Device Name_Camera01	Monitoring P	۵	Э		M	Ø
	11	2023-10-18 20:27:22	Device Name_Camera01	Monitoring P		Э		臣	Ø
	12	2023-10-18 20:27:17	Device Name_Camera01	Monitoring P	۵	Ð		5	Ø
Server 🗸	13	2023-10-18 20:27:03	Device Name_Camera01	Monitoring P	۵	Ð		₹.	Ø
	14	2023-10-18 20:26:58	Device Name_IPC	Monitoring P		Ð		E.	<u>e</u>
Verice •	15	2023-10-18 20:26:51	Device Name_Camera01	Monitoring P	۲	Ð		둰	<u>e</u>
Monitoring Point V	16	2023-10-18 20:26:37	Device Name_Camera01	Monitoring P	۲	Ð		둰	<u>e</u>
Sensor V	17	2023-10-18 20:26:31	Device Name_Camera01	Monitoring P	۲	Þ		5	<u>r</u>
Combined Alarm 🗸	_				<u>^</u>	^		-	^
Alarm Task 🗸 🗸	Total: 19	969 50 🔻					M	 ▶ ▶ 1 	/40Page
Close comparison alarm pop-up window				Authentic	ation Server Address: 127.0.0.1	Port: 6003 User Na	me: admin CPU:	🛙 0% Memory: 🔒	55% 🤷

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

11.8 Manual Alarm Out

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

Alarm Output			
Q Search	Alarm Holding Time(s)	5	•
🗄 🗌 🏠 default area	Trigger Clear		

Select the camera, set the alarm holding time and then click [Trigger] to manually trigger the alarm out of the camera; click [Clear] to manually turn off the alarm out of the camera.

12 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.

12.1 E-Map Settings

12.1.1 Create E-Map

Go to Home \rightarrow E-Map Setting 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.

12.1.2 Add Hotspot

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

Monitoring Point 🗸 🗸 🗸	🗍 Clear Map Hot Spots
Q. Search	
Device Name IP Camera01	Office
Device Name_IP Camera03	
Device Name_IPC	Engineering Conference Conference Elevator
Device Name_IPC	
Device Name_IPC	
Device Name_IPC1	Corridor Test Department Conforence Room Conference Room Service Department Corridor
	Test Room Device Name_Camera01 Warehouse Warehouse Department Department Department Department Department Department
Sensor 🗸	

Put the cursor on the map name and then some icons will appear. Click to add its sub map. Click to modify the map name and change its parent map.

Map Management	
(+) Create	
Q Search	
A 1	+ 🖉 🗓

Click to delete the added map.

Click at the bottom of the interface and then right click on hotspot alarm item. Select "E-Map" to quickly skip to E-map monitoring interface.

	Unprocessed: 1000+	Device Alarm Motion Detection	Face Alarm Other Intelligent Alarm	🛛 Sensor Alarm 🛛 Combined Alarm 🔽 Offline Ala	rm 🗹 Server Alarm 🔽 Alarm Task 🔵 SOP Filter
l	Alarm Time	Alarm Source	Alarm Type	← Record & Playback Device Playback	Storage Snapshot Device Capture Alarm Processing
l	2023-10-18 19:39:00	Device Name_Camera01	Monitoring Point-Motion Detection	۲	2
Γ	2023-10-18 19:38:48	Device Name_Camera01	Monitoring Point-Motion Detection	۲	Alarm Preview
	2023-10-18 19:38:09	Device Name_Camera01	Monitoring Point-Motion Detection	Э	E-Map 🖉

12.2 E-Map Monitoring

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

Map Management	Pending Alarm: 10 Device Type IPC,Smart IPC,Sensor 🔹 Switch to Alarm E-Map 💽 Auto Alarm View 💽
Q Search	ⓒ Close All Stream ♥ Filter Alarm Type ▼ 合 Clear All Stream Participation Control of the Clear All Stream Participation C
& 1	
	Engineering Department Tremale Male Room Elevator
	Reception Reception
	Corridor Conference Room Service Commerce Department Department Department Corridor
i	Test Lobby Perchasing
	Test Room
	Department
	Warehouse

Switch to Alarm E-Map: if "Yes" is selected, the system will automatically switch to the E-map on which the alarm occurs. Auto Alarm View: if you select "Yes", the monitoring video will automatically pop up on the right window when an alarm is triggered.

Put the cursor on the preview window (right panel) and then a toolbar will display. Clicking on Sciences the preview. Click "Close All

Stream" to stop all previews. The preview window will be overlaid on the map by clicking "Overlap".

In addition, click [Filter Alarm Type] to filter the alarm type.

If multiple cameras need to play, you can drag the window on the right panel to the right. Then an independent monitoring interface will display. You can choose the screen display mode as needed.

	E-Map M	lonitoring	×
1 4 9 16 Sub Stream	▼ 🗐		

13 TV Wall

Click (2) at the bottom right corner and then select "TV Wall Guide" to quickly set the TV Wall as shown below.



Please follow the guide in sequence to quickly set the TV Wall.

13.1 Add Device

13.1.1 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.

Add, Edit or Delete Device Device Setting Ar	a Setting Channel Group Setting Task
=	Add 🗓 Delete
Encoding Device (Online/Total number: 3/4)	Edit Device Name Output Number IP Address Port Online Status Open in the Browser Delete
Decoder (Online/Total number: 0/0)	Add Decoder ×
LED Display Device (Online/Total number: 0/0)	Quickly Add Manually Add
Intelligent Analysis Server (Online/Total number:	Ø Refresh Device Quantity:0
	Device Name IP Address Port Subnet Mask Version Device ID
Intelligent Analysis Server (Online/Total number: Storage Server (Online/Total number: 0/0)	Device Name IP Address Port Subnet Mask Version Device ID

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

13.1.2 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→ 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.

Device Information	Basic Settings		
Basic	User Permission	Master	•
System Maintenance	Device Name	Decoder1	
Time			

The decoder will not be online until it is bound to a TV wall. Please create a TV wall first and then bind the decoder to the TV wall.

13.2 TV Wall Management

Create TV Wall

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

TV Wall View TV Wall	Task Settings TV Wall Sys	em Setting		
TV Wall Plan		Draviour	Pacord	d
				Create TV Wall
				🕒 Basic Layout Config 👘 🕑 Bind Decoder
		TV Wall Server		
		TV Wall Server	•	
		* Name		
		Create TV Wall 1		
		Matrix	I Draw	
		4 🌲 x 4	\$	
		TV Wall Number		
		1		
Create TV	Wall			
				Next Cancel

Select the TV wall server and then set the TV wall name, display matrix and TV wall number.

Note: The TV wall number cannot used repeatedly.

Click [Draw] to draw the TV wall layout manually.

After that, click [Next] to bind decoders.

	Create TV Wall								
	Basic Layout Config								
Decod	er Output								
⊕ Ad	d Decoder		HDMI0	HDMI1					
Ξ 🗂	Decoder1	Ċ(?)	Decoder1	Decoder1					
	🗐 HDMI0	\odot							
	🖶 HDMI1	\odot							
	Previous Cancel Finish								

On the left list, click	co .	to bind the decode	er. If there are no deco	der to bind, you car	n click	Add Decoder	to quickly jump to the decoder
adding interface and	then a	add the decoder as	needed. After you cl	icking 🔗 , it nee	ds seve	eral seconds to	connect the decoder. After the
Jecoder is connected, the output will be listed under the decoder name.							
f you want to unbind the decoder, click $\stackrel{ ext{log}}{ ext{ behind the decoder name to unbind it.}}$							
Drag the output to the	າe wind	dow to bind the oເ	utput and the window	v. After that, click [F	inish] t	o save the set	ting.

To change the output binding, select the TV wall and click	:	, select	🖄 to modify. Click	Û	to delete the TV wall.
--	---	----------	--------------------	---	------------------------

13.3 TV Wall System Settings

13.3.1 Channel Number Settings

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 View TV Wall Task Settings TV W	all System Setting		
Ē	Channel Name Please select 👻		Conflicts Between Channels' Nur
Channel Number Setting	^[2] Export Channel Number	A Minimum Conflict-Free Channel Number: 8	
Decoder Configuration	No. Name	Channel Number	
Es Decouer configuration	1 default area>Device Name_IPC	1	
I TV Wall Backup	2 default area>Device Name_IPC	2	
が Alarm Setting on TV Wall	3 default area>Device Name_IP Camera01	3	
	4 default area>Device Name_IP Camera03	4	
	5 default area>Device Name_Camera01	5	
	6 default area>Device Name_IPC	6	
	7 default area>Device Name_IPC1	7	

13.3.2 Decoder Setting

TV Wall View TV Wall Task Settings	TV Wall System Setting	
Ē	Decoder	
② Channel Number Setting	Q Search	Display Red Box
ஞ Decoder Configuration	💼 Decoder1	Display ID
돁 TV Wall Backup		Apply
首 Alarm Setting on TV Wall		

Display red box: when the decoding channel triggers alarm, a red box will show on the TV Wall.

Display ID: the channel ID will be shown on the channel decoded by the decoder

13.3.3 TV Wall Alarm Linkage Settings

Click "Alarm setting on TV Wall" and then the alarm closing time can be set. If "Automatically closing alarm on Wall" is selected, you can set the time that TV wall alarm automatically turns off. The alarm preview window will automatically turn off the alarm linkage video according to the set time until next alarm is triggered. If not selected, you need to close the alarm preview window manually.

13.4 Video Preview

Create a plan

Click 🕒 beside the TV wall name or click [Create Plan] to create a new plan for the created TV wall.



Double click the plan name to show the plan.

Drag the monitoring points to the corresponding window respectively to decode image. Then click to save the plan.

Configure Plan

Double click the set plan to display on the left window as shown below. Drag the monitoring point to the window to play.

Preview ERecord	* 1_Plan_1			
Monitoring Point 🗸 🗸	×	le X	ō.	Ö
Q Search		Device Name_IPC1 200 201		
🗆 🍙 default area	Device Name_Camera01			
Device Name_Camera01				
Device Name_IP Camera01	100	202 203		
Oevice Name_IP Camera03				
Device Name_IPC				
Device Name_IPC				
Device Name_IPC				
Device Name_IPC1				
	01		0.	. 01
	01			•
Channel Group	1 4 9 16 25 36 1	t 💽 🛛 🖽		
Decoder Input 🗸	Auto-Switch Group 🔻			

Toolbar Menu



- 1. Screen mode: 1\4\9\16\25\36 screen mode is optional.
- 2. Open Window: Click this icon and then drag on a window to open a window on it. The window can be dragged to anywhere on the big window. Click the opened widow and then drag the blue side of the window to zoom in/out it.

Click this icon again to stop opening other windows.



3. Show/hide ID: show or hide all ID number (including all channel numbers of the multi-screen display window).

4. Show/hide window ID: show or hide the ID number of all windows (Note that the channel numbers of the multi-screen display window are not displayed).

5. Click [Save] to save the current plan.

Select a window assigned a monitoring point and then press the right mouse and drag to another window to copy monitoring point to it.

Right-click Menu



- 1. Screen display mode:1\4\9\16\25\36 screen mode is optional.
- 2. Preview: click it to view the video.



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 \rightarrow Alarm Center \rightarrow Alarm Setting interface. Select TV wall linkage item to set alarm linkage.



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. Play audio: click it to play live audio. Click "Stop audio" to stop playing.
- ♦ Auto-Switch Group
- 1. Create Auto-Switch Group
- ① Click Auto-Switch Group under the screen and then click to create auto-switch group.



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

	Create Auto-Switch Group		×
	Auto-Switch Window Ø Monitoring Point		
Auto-Switch Name Auto-Switch Interval	New_Group_Dwell		
Auto-Switch Window			-
	1-0		
	Next	Cancel	

③ Click [Next] to select the auto-switch channel group.

	Create Auto-Switch Group					
	Auto-Switch Window	2 Mc	onitoring Point			
Auto-Switch Name Auto-Switch Interval	New_Group_Dwell	•				
Monitoring Point Selectable Device			Selected Device			
Q Search			Device Name Camera0			
 default are Device 	a Name_Camera01 Name_IP Camera03 Name_IPC Name_IPC Name_IPC					
			Previous Cancel	Finish		

2. Execute auto-switch

Auto-Switch Group 🔺					
New_Group:	(+) Create Auto				

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 group.

3. Modify or delete auto-switch

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

Or click i and then select the corresponding icon to modify or delete the auto-switch.

Auto-Switch Group		Auto-Switch Group 🔺
Ne Modify	⊕	New_Group : ↔
Delete	Create Auto	

♦ Auto-switch plan

1. Create auto-switch plan

Click is behind the TV wall plan name and then click is to set the auto-switch. Click "Join in" to select the plan. Then set dwell time and click [OK].

			,	Auto-Swite	ch Setting		×
		No.	Plan Name	Move U	p	Operation	
		1	1_Plan_1 (1)	÷		Join in	
		2	1_Plan_2 (2)	+		Join in	
TV Wall Plan							
(*) Add TV Wall							
田 田 TV Wall 1 (1)	⊡ ;;						
<u>-</u> 1_Plan_1(1)	*						
	Ø						
	Û	Auto-Switch	nterval 10 s 🔻			ОК	Cancel

2. Start/stop auto-switch

—	凹 TV Wall 1 (1)	⊞() :
		2 🗊
		2 🖻

Click 💭 behind the TV wall name to start auto-switch plan. Click 🐖 to stop the auto-switch.

3. Modify auto-switch plan

again to modify the auto-switch plan. Click

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

13.4.1 Decoder Input

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

13.4.2 Playback

٠ Playback on TV Wall

Click "Record", select playback source and time, check the alarm events and then drag the cameras (or channels) to a window to search and play the records.



Playing control



During playback, the record can be controlled by the above buttons. **Note**: The frame rate per second will be the same as the set frame rate of the device (Home \rightarrow Device Setting \rightarrow Stream Setting \rightarrow Frame

Rate).

Right-click menu



1. Screen Display Mode:1\4\9\16\25\36 screen mode is optional

2. Save as an alarm window: click it to set the current window as an alarm window. The alarm linkage image will play in this window.

 $Please go to Alarm Center \rightarrow Alarm Setting interface. Select the alarm type, link the TV wall and set the schedule first.$

3. Save as preview window: the current camera or the historical camera is optional. If the current camera is selected, the window will display the live video of the current camera in the record page. If the historical camera is selected, the window will display the live video of the camera decoded in this window last time.

- 4. Playback stream type: main stream or sub stream is selectable.
- 5. Stop decoding

The following picture is an example of TV Wall.



13.5 TV Wall Task Setting

Go to Home \rightarrow TV Wall Management \rightarrow Task Setting. Select the TV wall you want to set tasks. Then click "Create Task". Select plan name, enter task name, set run time and enable plan task.



Click "Start Task" to start the task. Click "Stop Task" to stop this task.

① Create Tas	k 🔟 Delete	() Start Task	🛇 Stop Task
New_Plan_Ta	ask 1		
	🗹 Auto Run		
Plan	1_Plan_1		
Start Time	00:00:00		
Task Plan	Daily		
		口面	

Modify or delete task

New_Plan_Ta	ask 1	
	🗹 Auto Run	
Plan	1_Plan_1	
Start Time	00:00:00	
Task Plan	Daily	
		C Ō

Click \square or $\boxed{10}$ to modify or delete the task.

Check the task under the TV wall and then click [Delete] to delete the task as shown below.



13.6 TV Wall Backup

When importing the former system configuration files to the new version, the TV wall configuration file will not be imported together. So you need to import the TV wall configuration file separately.

Click [Backup TV Wall] in the last version to back up the TV wall configuration files. Then click [Restore TV wall] in the new version to restore it.



14 Target Counting

14.1 Task Management

1. Enable "Target Counting" function of the IPC.

Note: the added camera must enable target counting function.

IPC with Target Counting function



2. Go to Home→Target Counting interface. Clicking on enters the following interface. Double click the camera with the target counting function and then select "ON". After that, click [Apply] to save the settings.

		lask N	/lanage	ement					×	ure
Monitoring Point		No.	IP	Channel Name	One	-key Reset	Enabled	\sim	Event Type	
Q Search	1-	1		IPC1		Ū	ON	•		
🗌 🏠 default area										
Device Name_Camera01										
Device Name_IP Camera01										
Oevice Name_IP Camera03										
Device Name_IPC	•									-
Device Name_IPC										ht
Device Name_IPC										
Device Name_IPC1										
IPC1										

14.2 Real-time Statistics

Go to Home \rightarrow Target 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 traffic flow trends.

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



Please select the type as needed to view the flow trend. Click C Refresh to refresh the current statistics.

Set the auto refresh interval: The system will automatically refresh the statistics at regular intervals.

In the above interface, you can view the statistics of people/vehicles entering or exiting. Scroll down to view the traffic flow statistics via pie charts and tables.



14.3 Heat Map

Go to Home \rightarrow Target Counting \rightarrow Heat Map interface.

Please create a map first.

Drag the camera with the target counting function to the specified area.

Put the cursor on the camera icon and then you will see the detailed flow statistics.



The deeper the red color is, the more targets (human/vehicle) gather there.

14.4 Historical Statistics

Go to Home→Target Counting→Historical Statistics. In this interface, the statistic results in a long period of time can be searched which can be shown in the table or curve chart. Additionally, the statistics of different targets can be viewed here.

Real-time Statistics Heat Map Historical	I Statistics Flow Control				*
Monitoring Point	[Traffic Flow Statistics]				Filter Channel I Export Picture
Q Search ☑	Date: 2023-10-19 Statistic Type: Human Report Type: Daily Report Monitoring Points: IPC1;				
	[-D Average traffic flow of each channel	∽³ Total NO. (OUT) 4	$ ightarrow^3$ Average traffic flow of each channel ${f 4}$	-j] Inside
	Statistics of Total Traffic Flow 👻				<u>12</u> Iu
	4				
Statistical type	3				
Human Report Type Daily Report					
Time 2023-10-19 Search	3				

14.5 Flow Control

Flow Control: Control the people/vehicles entering or exiting in a specified area to avoid overcrowding. When the people/vehicles stay in the specified area exceeds the threshold, the alarm will be triggered and no entry icon will display. Click Home \rightarrow Target Counting \rightarrow Flow Control to enter the following interface.

+ to add a task. Multiple tasks can be added as needed. Click

Real-time Statistics	Heat Map	Historical Statistics	Flow Control							
[Task list]						Ado	d las	K		×
				* Task Name	Task 01					
				* Maximum Threshold						
	(+)			Туре	Human	•	•			
	Add Task			Schedule	7*24	•	•			
	\smile									
				Selectable Device		0/1		Selected Device		0/0
				Q Search						
				🗆 🗖 default an	a					
				IPC1						
							<		<u></u>	
							>	No	choice	
								HIC.		
							~<			
							»			
									OK	Canal
									OK	Cancel

Then the available number and inside number can be viewed as below.



Click $\overline{= \mathbf{Q}}$ to view the quantities of the people/vehicles entry and exiting.

Click $^{\textcircled{O}}$ to enter the flow control preview interface.



In the above interface, you can switch the camera and view the image. When the people/vehicles inside exceed the threshold, the icon will turn red.

Click on

exits the current page.

15 Visitor Management

The system provides an entire process for visitor management. You can manage visitors through access control devices and this system.

15.1 Add Access Control Devices

You can add a face recognition & access control terminal to manage visitors.

Click Home \rightarrow Resource Management \rightarrow Add, Edit or Delete Device \rightarrow Encoding Device to add face recognition & access control devices. **Note**: Access control devices includes face recognition & access control terminal, face recognition IPC, face recognition NVR, but the face recognition IPC and NVR only can record the access records of the visitors. Please contact our technical supports to get the detailed models.

15.2 Apply for a Visit

There are two ways to apply for a visit.

1. Go to Visitor List → Visitor Registration interface. Click "Visitor Registration" to add a visitor.

Fill out the information of the visitor and then select the visitee as needed.

Visitor Registration Record Search							
Visitor List	Visitor Registration	🕽 🛍 Delete	🕒 Import	🖸 Export	🖸 Export All	🛃 Export Template	Failure Record
(+) Create				Add Targ	get		×
Q Search		1	Basic		② Access Cor	ntrol	
Default Group	Visitor information No. * Name Gender Telephone Address	• Male O	Female		Ima	Upload age size: less than 200	KB is recomn
	Remark Certificate ID Type * ID NO Birth Date	ID Card 2023-12-2	5	•			_
						Next OK	Cancel

Select the access point.

	Add 1	Гarget			×			QS	earch
	① Basic	2 Access	s Control						
Information of Visitaa						Seleo	ct Visitor		×
* Visitee	Select	•	Q 9	Search				Name:	Camera33
Effective Time	2023-12-25 15:07:51 ~ 202	3-12-25 17:07:		Default Group			Caller	T 1 1	
Access Permissions				Lamera33				Telephone:	
* Access Point	All	🔹 🏟 Se					200	Work ID:	
								Group:	Default Group
								ОК	Cancel
		L	Previor	IS OK	Cancel				

Visitor Permission Group Settings:

Click "Set the visitor permission group" to skip to the permission management interface. Click "Visitor Permission Group" to set the permission of visitors as shown below.

People and Vehicle Management	Permission Management				
÷	(± Add	🗓 Delete			
E Permission Group		$\mathbf{\lambda}$	Add		×
() Visitor Permission Group		* Name			
People Sync Record Query					
屆 Vehicle Sync Record Query		Selectable Device	1/2	Selected Device	0/0
		Q Search			
		🗆 🗖 default area			
		Camera33			
		IPC			
			<	×12	
			G		
			Ċ	No choice	
				\mathbf{X}	
			~		
				ОК	Cancel

Click [Add] to add a visitor permission group. Set the permission group name and add the access point as needed. You can also modify the permission for the added visitor permission group here.

- 2. Add a visitor via the shortcut key
- (1) Add a visitor from the alarm pop-up window of face comparison

		V	erified Target Ir	nfo(details)	×	
						Block List (Vehicle): 0
	Comparison Results				Details	
1: 4/6)		\frown			Name	
	1131 -				Condas, Unknown	
			Add	to Group		
Person L	.ist 🗸 🗸			1 Basic —	② Access Control	
VIP List	~	Visitor information				
Visitor Li	ist 🔨	No.				
Q Search		* Name				
┢ Defa	ault Group	Gender	• Male O Female			
		Telephone				
		Address			Image size: less than 200KB is recomme	nded
		Remark				
		Certificate				
		ID Type	ID Card	•		
		* ID NO				
		Birth Date	2023-12-25			
Block Lis	st 🗸 🗸				Ne	xt OK Cancel

 $(\mathbf{2})~\mathsf{Add}$ a visitor from the snapshot from smart snapshot retrieval interface

Image Search by Face Face Comparison Retrie	val License Plate Comparis	son Retrieval Smart Snapshot Retr	rieval	
Monitoring Point	🖸 Export			
Q Search				
		Add to Group		×
Person List	~	(1) Basic —	② Access Control	
VIP List Match Type	Visitor information			n
Human Fe Search Sou Q Search	No.	Camera33		
Gender Unknown	Gender	🕽 Male 🔘 Female		
Mask Unknown	Address		Image size: less than 200KB is recommended	2: n
Hairstyle Unknown	Remark			
Telephone	Certificate			
Headgear	ID Type	ID Card 🔹		
Unknown	* ID NO			23
Time 2023-12	Birth Date	2023-12-25		n

 $(\mathbf{3})$ Add a visitor from the real-time smart snapshot interface

V Pass-by(Today): 2	451 Abnormal Temp: 0	Mask Off: 30	/ehicles Passing(Today): 9	Plate Comparison(Today): 9	Block List (Vehicle): 0			
		2725/2023 07:2	23 <mark>: 22</mark>			[Smart Snapshot]	ə X a	ð 😡 💿 :
		Add to Gr	roup			×	(a) (a	· · · · ·
Person List 🗸 🗸		🕕 Ba	sic	Access Control			Age Gend	der Glasses
Q Search				-			୍ଡ୍ରୁ ୍ଡ Mask Heade	j gear Hair
👕 Default Group	Cander Mala	iomala		\bigcirc		Camera33		12-25 15:20:56
	Work ID	emaie	3 3	6				
	Telephone		1 has	1				
			Image size: les	s than 200KB is recommended				
	Remark							
	Detail 🔨							
	ID Type ID Card	•	Birthday 2023-1	2-25				
	ID NO		Country					
	Province		City					
	Work Type		Email Address					
VIP List 🗸 🗸								
Visitor List 🗸 🗸								
Block List 🗸 🗸				N	ext OK Cancel			

Note: if the operator has no permission of visitor adding, he/she cannot add visitors.

15.3 Search and Export Visitor Record

Set the start and end time and then click [Search] to search the visitor record.

You can also enter the key words and click Q to search the visitor record.

Click [Export] to export the visitor record to an Excel file. Note that only the super administrator supports visitor record export.

Visitor Registration	Record Search								
-		Timeout: 0 Time 2023-12-2	5 00:00:00 ~ 2023-12-25 23:59:59	Search		Q Search			
Visitor Record		C Export							
		Target Picture	Number Operation	Name	Whether Access is Allowed \mathbf{v} Visit St	tatus 💙 Access Control Device 💙	Visitee	ID P	Photo
			1 음교	04	Allow Access Vis	iting Binding Failed	Camera33	6	

After the access control device is linked to the visitor, the access control device will report the matched information to the platform when the visitor comes.

Visitor Registration Record Search							
Visitor List	🛨 Visitor Registration 🗊 Delete 🕒 Import	🖸 Export 🛛 Expor	: All 🗟 Export Template	E Failure Record			
 O Create Q Search 	Name 04 Telephone /			Track List View			×
Default Group	Remark /	No.	Name	Time	Monitoring Point	Picture	
		1	04	2023-12-25 15:29:38	IPC		

15.4 Exception Handling

15.4.1 Extending Visit Time or Modify Access Point

There are two ways to handle the exception.

1. Go to Visitor Management \rightarrow Visitor Registration interface as shown below.

Visitor Registration Record Search						
Visitor List	🕑 Visitor Registration 🗊 Delete 🕒 Import		De	tails	× Q Search	
⊙ Create				Access time will expired at 2023-12-	25 17:45:42	×
Q Search	Telephone /	Number Oper	tion			
Default Group	Remark /	1 8	Name	04		
		C)	Gender	Male	No. 1	
			ID Card No.	xxx	3 25	
		2 🖉	Visitor's Phone			
			Respondents	Camera33		
			Visitee's Phone			<
1			Expired Time	2023-12-25 17:45:42		
			Expired Time after Extension	2023-12-25 17:45:42 🗘 🖬 Timeout Ren	inder No Extension	e
			Access Point	All	•	
		Total: 2 50 💌	Remarks			
						ок

H Visitor Registration □ Delete	e 🕒 Import	🖸 Export	🖸 Export All	🛎 Export Template	E Failure Record			Q Search	
Target Picture		Name	e IDT	ype ID NO	Remark		Operation		
		04	ID C	Card xxx			6 6 2 <i>2</i>	Ū	
1 AND A					Details	_	×		
1000		Number	Operation	Name	Whether Access is Allowed	d Visit Status	Access Control Dev		
		1	3 D	04	Allow Access	No Visit	Binding Failed		
Name: 04		2	ß	04	Allow Access	Visit End	Invalid		<
Gender: Male Telephone: /									

2. Go to Visitor Management → Record Search

Visitor Registration Record Search						
<u>—</u>	Timeout: 0 Time 2023-12-2	5 00:00:00 ~ 2023-12-25 23:59:59	Search		Q Search	
(Visitor Record	🖸 Export					
	Target Picture	Number Operation	Visit End			
		1 음 🖉				
	No image	2	Name	04		
			Gender	Male		N S S
			ID Card No.	XXX		8
			Visitor's Phone			1 Las
	Name:		Respondents	Camera33		
	Gender: Telephone:		Visitee's Phone			
	Visitor Card No:		Expired Time	2023-12-25 17:10:43	0	
	ID Photo		Expired Time after Extension	2023-12-25 17:10:43	🗧 🗖 Timeout Reminder	No Extension
			Access Point		•	
			Remarks			
						ОК

For valid record, you can edit the visit time period and access point.

Please set the expired time or extend the visit time period as needed.

Access Control Permission Group: if the access point or visitor permission group is unbound, the access permission of the corresponding visitors under this access point or visitor permission group will be ineffective.

15.4.2 Not Visiting/Leaving Beyond the Given Time

When someone's visiting is about to exceed the given time or the pre-registered visitor doesn't come within the given time, a prompt

window will appear to remind the operator to extend the visit time or take other actions. If this prompt window is not handled, the visitor will be marked as "Timeout". Clicking on the [Timeout] button appears the relevant records For the timeout record, you can modify the access permission and manually give the permission and extend the expired time.

Click "Finish" to end this record process immediately.
16 Parking Lot Management

Click at the right bottom corner of the home page. Select "Parking Guide" to quickly view the setting steps of the parking lot management.



In the parking guide interface, click the corresponding menus in sequence to quickly set the parking lot.

16.1 Add Devices

Add LPR Camera

Before using parking lot system, please add LPR cameras first. The LPR camera is use to capture the license plate of the vehicles entering or exiting the parking lot.

There are two ways to add LPR camera.

- Click Home→Resource Management→Add, Edit or Delete Device→Encoding Device to enter the encoding device adding interface. Click [Add] to add your LPR camera.
- 2. Add the LPR camera to your NVR with license plate recognition function and then add this NVR to the platform.

Add LED Display Screen

Before using parking lot system, please add the LED Display Screen which is used to display the information of the vehicles entering or exiting the parking lot.

Click Home \rightarrow Resource Management \rightarrow Add, Edit or Delete Device \rightarrow LED Display Device to go to the LED display device adding interface.

Add, Edit or Delete Device Device Setting Are	ea Setting Channel Group Setting	Task	
Ξ	🛨 Add 🗵 Delete		
Encoding Device (Online/Total number: 3/4)		Add LED Display Device	×
Decoder (Online/Total number: 0/0)			
IED Display Device (Online/Total number: 0/0)	Device Name Type	IP Address Port Delete	
LED Display Device (online) rotal number. 0/0/	LED Display D IP Screen	0.0.0.0 5000	
Intelligent Analysis Server (Online/Total number:			

Port: the default port is 5000.

Type: please select IP screen.

IP address: enter the IP address of the IP screen.

16.2 System Settings

16.2.1 Parking Lot Settings

Go to Parking Lot Management \rightarrow System Settings \rightarrow Parking Lot Configuration as shown below.

Vehicle Monitoring Integrated Search Rep	port Statistics System Settings		¢
<u>—</u>	Parking Lot 🗕 🕂 🗃	Basic Configuration	^
Parking Lot Configuration	Q Search	* Parking Lot Parking lot Callow temp	oorary vehicle access even if the parking space is full
C Vehicle Group Management	🤗 Parking lot	* Total Parking Space 100 * Nu	mber of the current vehicles 0
(B) Block List Management		Remaining Parking Space 100	Number of overflow vehicles 0
		Barrier Gate Opening Duration(s) 15 • Repeat	ted license plate waiting time 5
		Temporary vehicle timeout configuration	^
		nable overtime parking of temporary vehicles * Temporary vehicle timeout three	shold (hours) 720 Daily alarm time 15:00
		license plate configuration	^
		Special license plate WJ,police,civil aviation (Automatic release, Multip	ple types are separated by ','
		Entrance/Exit Setting +	^
		Entrance Name Gate 🛞 Lane Management	圓 .
		Lane Name Lane Type Temporary car opening method Fixed Car Op	vening Method Linked ANPR Camera Linked LED Screen
		Entrance Lane Entrance Release Automat	ic Release
		Exit Lane Exit Release Automat	ic Release
			Apply

• Add or Delete Parking Lot

Click + to add a parking lot as shown below.

()	Basic Configuration						
		New pa	rking lot	×			
		* Parking Lot					
			ОК	Cancel			
	(+) (+)	(+) ³ Basic C	(+)) Basic Configuration New par * Parking Lot	(+) Basic Configuration New parking lot * Parking Lot OK			

Select the parking lot and click under the parking lot, or it cannot be deleted.

Basic Configuration

Select the parking lot and then set the relevant parameters for it. You can modify the parking lot name, set whether to allow temporary vehicle access even if the parking space is full, total parking space, number of the current vehicles (in order to ensure the accuracy counting of remaining parking space, please make sure that no vehicle entering or exiting), remaining parking space, number of overflow vehicles, barrier gate opening duration and repeated license plate waiting time. After that, click [Apply] to save the settings.

Total Parking Space: the set total parking space

Number of the current vehicles: the number of vehicles staying in the parking lot

Remaining parking space: Total parking space minus the number of the current vehicles (if the number of the current vehicles is more than or equal to the total parking space, the reaming parking space will be "0").

Number of overflow vehicles: the number of the current vehicles minus total parking space (if the number of the current vehicles is less than the total parking space, the remaining parking space will be "0").

Repeated license plate waiting time: the same license plate will be identified once within the set waiting time

Overtime Parking of Temporary Vehicles: if enabled, timeout threshold and daily alarm email sending time should be set. Once the temporary vehicles that stay in the parking lot exceed the set timeout threshold, an email will be sent according to the set time.

• Entrance and Exit Settings

Click [Add] next to "Entrance/Exit Setting" to create an entrance/exit. You can directly modify the entrance name and click [Apply] to save the setting.

For the added entrance/exit, click 💼 to delete it. Before deletion, please ensure that there is no lane information under it, or it cannot be deleted.

• License Plate Configuration

You can enter the special characters. When detecting the license plate including the set special characters, the system will automatically release.

Lane Management

Click [Lane Management] next to the entrance name. This will bring a lane setting window. Click (+) to add a new lane. Set the lane name, lane type and temporary car release way (manual/auto release). After that, click [Apply] to save the settings.

Binding LPR Camera

In the lane management window, click [Setup] of the linked LPR camera line to bind the LPR camera as shown below. Multiple cameras can be bound to one lane.



Binding LED Screen

In the lane management window, click [Setup] of the linked LED screen line to bind the LED screen as shown below. One screen can be bound to one lane only.

	Lane Management		×
Lane List	* Lane Name	Entrance Lane	
	* Lane Type	Entrance	
Entrance Lane Exit Lane D	Temporary car opening method	Release	
	Fixed Car Opening Method	Automatic Release	
	Linked ANPR Camera	-	
		Enable 485 Screen	
	Linked LED Screen	•	
	More	•	
		Apply Cancel	

Binding RS485 Screen

In the lane management interface, you can also bind RS485 screen. Enable RS485 screen, select the screen type and then click [Apply]. Before binding RS485 screen, please ensure that the license plate capture camera has been connected to the screen via RS485 interface.

		Lane I	Managemen	t		×
Lane List ⊕ Add			* Lane	Name	Entrance Lane	
 Entrance Lane Exit Lane 	۵ آ	Tempo	* Lane orary car opening m	e Type ethod	Release	•
		112	Linked ANPR C	amera	Enable 485 Screen	•
		Test	Welcome	Туре	Car easy to pay LED	screen 💌 Send text
				More	•	
					Apply	Cancel

Binding Vehicle Group

In the lane management window, click "More" to bind vehicle group. Select the vehicle group as needed. Then click [Apply] to save the setting. All vehicles in the vehicle group bound to the lane will be allowed to enter/exit in the parking lot.

	Lane Management	×
Lane List ⊕ Add	* Lane Name * Lane Type	Entrance Lane
 ♠ Entrance Lane ⋒ Exit Lane 	Temporary car opening method	Release
	Fixed Car Opening Method Linked ANPR Camera	Automatic Release
	Linked LED Screen	Enable 485 Screen
	More Bind Vehicle Group	All 🗸
		Apply Cancel

Note: A parking lot can add multiple entrances and exits; an entrance/exit can add multiple lanes; a lane can bind multiple license plate capture camera; but one license plate capture camera only can be bound to one lane of the entrance/exit in the parking lot. The name of the parking lot cannot be repeated; the names of entrances/exits in the same parking lot cannot be the same; the names of the lanes in the same entrances/exits cannot be the same.

> Other Settings

In the system settings interface, click 🌞 at the top right corner to set the LED display and alarm linkage switch.

Report Statistics System Settings					C	onfiguration	×	Ø
Parking Lot 🗕 🕂 🖻	Special license plate	WJ,police,civil aviation	(Automat	ic release, Multiple	XCP-LED Display S	etting	-	
Q Search	Entrance/Exit Setting	ı +			Title	WELCOME		^
Parking lot					Fixed Vehicle Tips	<-WELCOME		
	* Entrance Name Gate	•	🛞 Lane Managemer	nt	Temporary Vehicle Tips	RECEPTION->		创
	Lane Name Li	ane Type Tempora	ary car opening method	Fixed Car Oper	Block List Vehicle Tips	REFUSE->		
	Entrance Lane E	Intrance	Release	Automatic	Alarm Linkage Swi	tch		
	Exit Lane	Exit	Release	Automatic	Block List 🚺 Al	low List 🔵 🛛 T	emporary Car 🔵	
							OK Cancel	

Alarm linkage: please enable "Block List", "Allow List", "Temporary Car" as needed. If these alarm linkages are enabled, click at the bottom right corner to view the corresponding alarm information.

				Block List Vehicle Tip	s REFUSE->		
				Alarm Linkage Sv	vitch		Manag
				Block List 🔵	Allow List 🔵	Temporary Car 🌑]
Unprocessed: 115	Device Alarm 🗹 Motion E	etection 🗹 Face Alarm	Other Intelligent Al		/	OK Cancel	er Alarr
Alarm Time	Alarm Sou	ce	Alarm Type	 Kecora d 	с мауриск 📊	Device Playback Storag	je Snapsho
2023-12-25 10:26:24	Camera3	3 N	Ionitoring Point-Motion	Detection			
2023-12-25 10:26:22	IPCS266	i8 F	Parking-Parking,Tempora	ry vehicle			
2023-12-25 10:26:14	Camera3	3 N	Ionitoring Point-Motion	Detection			

Additionally, only when the above-mentioned alarm linkages are enabled, can the corresponding alarm linkage be set successfully in the alarm center. Go to Home \rightarrow Alarm Center \rightarrow Alarm Setting interface, set the alarm type (Parking-Parking, Blacklisted vehicles; Parking-Parking Allow list vehicle; Parking-Parking, Temporary vehicle), select the bound license plate recognition camera (or the bound LPR camera), enable the desired linkage items and set the schedule.

After that, when detecting the corresponding vehicles, the system will trigger alarms accordingly.

Alarm Log Search Alarm Setting						
Ē	Alarm Type	() All ON	🛇 All OFF	C Restore default	Area	Please se
E Alarm Linkage Settings	Q Search	Name	Auc	lio 💙 Preset	∼ F	Record
Manual Alarm Out	Monitoring Point-Door Contact Alarm	Camera33	✔ OFF	Null	Nul	I
	Monitoring Point-Region Entrance Det	IPC	✓ OFF	Null	Nul	I
S SOP setting	Monitoring Point-Region Extensi Detec	IPC	✓ OFF	Null	Nul	I
ŝΞ Alarm Task Settings	Monitoring Point-VIP alarm	IPC	✓ OFF	Null	Nul	I
🖂 Email Settings	Monitoring Point-allow list alarm	IPC	V OFF	Null	Nul	I
<u> 治</u> SIRA Alarm Setting	Monitoring Point-Suspected low Temp				M	
	Monitoring Point-Mask Off					
	Monitoring Point-stranger alarm					
	Monitoring Point-block list alarm					
	Monitoring Point-Vehicle control,block					
	Monitoring Point-StorageServer reque					
	Parking-Parking, Blocklisted Vehicle					
	Parking-Parking, Temporary vehicle					
	Monitoring Point-Abandoned object					

16.2.2 Vehicle Group Management

Go to Parking Lot Management \rightarrow System Settings \rightarrow Vehicle Group Management interface as shown below.

Vehicle Monitoring Integrated Search Report	t Statistics System Settings		*
Ē	Parking Lot	Admission Schedule: 7º24	Ľ
🚱 Parking Lot Configuration	Q Search	Passable Area: Parking lot	
(E) Vehicle Group Management	😑 🤗 Parking lot	🗈 Add 📋 Delete 📾 Unbind 💪 Bulk binding 💪 Modify Validity Period 🗈 File import 👻 Download Template 🕫 🗳 Export 🔹 📿 Search	
(g) Venice Group Management	Fixed Vehicle Group	Number Plate Name Work ID Phone Vehicle Type Vehicle Color Start effective time End effective time	Remaini
(B) Block List Management	🛅 Temp Vehicle Group		

• Add, Modify or Delete Vehicle Group

Add Vehicle Group:

Move the cursor onto the parking lot name and then "+" will be shown. Click this icon to add a vehicle group. Enter the vehicle group name and then click "More" to set more parameters.

Vehicle Monitoring	Integrated Search	Report Statistics	System Settings
Ξ		Parking	j Lot
🕞 Parking Lot Config	juration	Q Searc	h
C Vehicle Group Man	nagement	= 😭 F	Parking lot
Block List Manage	ment	0	Temp Vehicle Group

Click to set the passable area of the vehicle group and admission schedule.



Check "Separate allocation of parking spaces" to separately set total parking spaces and the number of the current vehicles of the vehicle group".

Modify or Delete Vehicle Group:

Move the cursor onto the vehicle group name and then is will be shown. Click this icon to delete. If there are vehicles added in the vehicle group, it cannot be deleted. You must delete all vehicle information first and then this vehicle group can be deleted.

Move the cursor onto the vehicle group and then $\overset{\frown}{\simeq}$ will be shown. Click it to modify the vehicle group name, passable area and admission schedule. After that, click "OK" to save the settings.

Parki	ing Lot	Admission	- Imission Schedule: 7*24								ы
Q Se	earch	Passable A	assable Area: Parking lot								
Ξ 🕰	Parking lot	+ Add	🗓 Delete 🛛 🛱 Unbind	2. Bulk binding	🖉 Modify Validity Perio	od 🔹 File import	- 🗟 Download	Template 🝷 🖸	Export *	Q Search	
	🔁 1		Number Plate	Name V	Vork ID Phone	Vehicle Type	Vehicle Color	Start effective ti	me En	d effective time	Remaini
	Fixed Vehicle Group		AB3597	XXX		Small Car	Black	2023-12-25		2028-12-25	
	remp venicie Group										

Vehicle Information Settings

Add Vehicle Information: Select the vehicle group, click [Add] to add a new vehicle. Fill in the relevant vehicle information. The number plate must be entered.

Parking Lot	Admission Schedule: 7*24
Q Search	Passable Area: Parking lot
🖃 🧟 Parking lot	主 Add 🖻 Delete 📾 Unbind 🖉 Bulk binding 🖉 Modify Vali
🔁 1	Add New Vehicle ×
Fixed Vehicle Group	
🔁 Temp Vehicle Group	* Number Plate
	Owner Input Method O Input Manually O Select from person list
	Name
	Phone
	Vehicle Type Small Car
	Vehicle Color Black
	Description
	Permanent validity period
	Time 2023-12-25 ~ 2028-12-25 📾
	OK Cancel

Delete Vehicle Information:

Select the vehicle information and then click [Delete] to delete the vehicle information.

Note: If the vehicle information you want to delete is bound to other vehicle groups, it will be deleted too in other vehicle groups.

Bulk Binding: in the vehicle group management interface, select the vehicle group and click [Bulk Binding] to bind other vehicles to this vehicle group.

Note: one license plate only can be bound to a vehicle group of other parking lots. It cannot be bound to other vehicle groups of the same parking lot.

File Import: Click[Download Template] to export a. cvs or .xlsx file. Then open the template, edit all vehicle information and then save it.

Click [File Import] and then select the edited file to import all vehicle information.

.cvs template file includes three attributes, including plate number, owner's name, owner's phone.

	А	В	С	D
1	(B1)Numbe	(B2) Owner	(B3)Owner's 1	Phone
2	A123456	Simon	11111111111	
3				
4				

.xlsx file includes many attributes, including plate number (compulsory), owner, owner, phone, vehicle color, vehicle type and so on.

	А	В	С	D	E	F	G	Н
	#######################################	################			##################	##################		****
1								
2	Number plate	Owner's Name	Owner's Phone	Description	Vehicle Type	Vehicle Color	Start Time	End Time
3	A123456	Simon 🚸	11111111111	Discription	Small Car	Blue	2022/01/13	2022/01/13
4								
5								

Unbind Vehicle: Select the vehicle you want to unbind and then click [Unbind selected]. In the pop-up window, click [OK]. This vehicle will be removed from the current vehicle group. The vehicle information will not be deleted and the binding relationship between the vehicle and other vehicle groups will not changed. This vehicle also can be bound to the other vehicle group of this parking lot. You can also click \widehat{H} Unbind to unbind.

Modify Vehicle Information: in the vehicle group management interface, select a vehicle and then click d to change this vehicle information.

Vehicle Search: in the search bar, enter the key words to search the vehicle information.

16.2.3 Block List Management

Go to Parking Lot Management \rightarrow System Settings \rightarrow Block List Management interface as shown below.

Vehicle Monitoring Integrated Search Repo	ort Statistics System Settings	
Ē	Block List Management	🖅 Add 🗇 Delete 🛨 File import 👻 Download Templat
🚱 Parking Lot Configuration	Block List	Add New Vehicle ×
戻 Vehicle Group Management		* Number Plate
(2) Block List Management		Owner Input Method Input Manually Select from person list
		Name
		Phone
		Vehicle Type Small Car 💌
		Vehicle Color Black 💌
		Description
		OK Cancel

Block list is created by default. Click [Add] to add the vehicle information. The plate number must be entered. The vehicles added to the block list cannot be added to any other vehicle groups.

Select the vehicles and then click [Delete] to delete the vehicles from the block list. Import the vehicles to the block list is the same as vehicle import to other vehicle groups.

Click do modify the vehicle information in the block list. Click [OK] to save the settings.

16.3 Vehicle Monitoring

Click Parking Lot Management → Vehicle Monitoring. Then you can view the real-time lane monitoring video, vehicle passing information, remaining parking space and so on.

16.3.1 Real-time Vehicle Preview

Drag the camera on the left panel to the preview window to view the real time video. 1/2/4/9/16 screen display mode and stream can be selected. Click to close all previews.



16.3.2 Pass Records

Under the preview window, you can view the real-time vehicle passing records. If "Only display the current preview window records" is checked, the system will only display the vehicle information identified by the camera that is playing in the preview window. If disabled, the vehicle information identified by all cameras under all parking lots will be displayed. You can also filter the passing record by selecting "Auto Release", "Manual Release" or "Not Released".

When the scrollbar on the right of the passing record area is in the top or bottom, the passing record may not refresh; when the scrollbar in the middle, it will stop refreshing and the current passing record page will not change.

16.3.3 Pass Information

On the right panel of the vehicle monitoring interface, it shows vehicle passing information. In the current area, you can view the vehicle image, license plate, lane type, vehicle type, term of validity, enter information and the vehicle status. You can also modify the information of vehicles unreleased (or manually released), including license plate, vehicle type and so on.

Select a preview window and then the passing record area will refresh the vehicle information identified by the camera; Select a passing record, vehicle pass information area will display the selected vehicle information and the passing record will not refresh. Re-select the preview window to continue refreshing.

On the top right of the vehicle monitoring, it is total parking space and remaining parking space display area. Click 🖉 to edit the total

parking space and remaining parking space. Please make sure there is no vehicle entering or exiting before modification in order to guarantee the accuracy counting of the remaining parking space.

16.4 Integrated Search

16.4.1 Search Pass Information

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. Click [Search] to search the records.

Click a passing record and then the corresponding license plate image will be displayed on the right. You can zoom in and download it.

At present, up to 3,000,000 passing records can be stored and 120,000 vehicle passing images can be matched to these passing records.

To modify passing record: select a passing record, click [Modify], select the vehicle type and click [OK].

To export the parsing record, search the desired passing record and then click [export] to export the records to the specified file named after "Integrated Search + data" (eg. Integrated Search_20220112_11233555). The export file is .xls file.

Vehicle Monitoring Integrated Search	Report Statistics System Settings			\$
Ē	Start Time 2023-12-25 00:00:00 🗘 End Time 20	023-12-25 23:59:59 🌲 License Plate	Pass Picture	
Pass Info	Vehicle Type All Type of Park	ing All Pass Type All	-	
③ Overtime Parking	Parking Area Parking lot	Search	THEFT STATE	1
Search Vehicles in the Parking Lot	🖆 Export 🛛 🖾 Modify		1 DEPEND	E.
	No. Pass Time License Plate	Owner's Name Passing Parking Lot Entrance	Lane Direction Vehicle Type	
	1 2023-12-25 10:44:32 AB3597	Parking lot Entrance1 Entra	trance La Entrance Small Car Zoom In Download	
	2 2023-12-25 10:26:22 \$2668	Parking lot Entrance1 Entra	trance La Entrance Small Car	
	3 2023-12-25 10:26:13 B3597	Parking lot Entrance1 Entra	trance La Entrance Small Car	

16.4.2 Search Overdue Parking

In this interface, you can check the information of the vehicles which stay in the parking lot longer than the predefined parking duration.

Before searching, please make sure you have enabled overtime parking of temporary vehicles in the parking lot configuration interface. (Click Home \rightarrow Parking Lot Management \rightarrow System Settings \rightarrow Parking Lot Configuration)

16.4.3 Search Vehicles in the Parking Lot

Set the filtering condition (start time, end time, plate number, vehicle type, parking type or parking area), click [Search] to search vehicles in the parking lot. Click [Export] to export the searched vehicle information in the parking lot.

Vehicle Monitoring Integrated Search	Report Statistics System Settings
<u>—</u>	Start Time 2023-12-25 00:00:00 🗘 End Time 2023-12-25 23:59:59 🗘 License Plate: Vehicle Type All 🔹 Type of Parking All
Pass Info	Pass Type All Parking Area Parking lot Search
 Overtime Parking 	C Export
C states and	No. Pass Time License Plate Owner's Name Passing Parking Lot Entrance Lane Direction Vehicle Type of Parking Pass Type Set to Leave
Search Vehicles in the Parking Lot	1 2023-12-25 10:51:53 Ra3597 Parking lot Entrance Entrance La Entrance Small Car Temporary Car Release 🚳

If the searched vehicle has actually been driven away, you can click (C) to correct. Then the vehicle will not be searched in this interface.

16.5 Report Statistics

Go to Parking Lot Management \rightarrow Report Statistics interface. In this interface, vehicle flow statistics of all parking lots can be searched and viewed via line chart, bar graph and pie chart.

Vehicle Monitoring Integrated Search Rep	ort Statistics System S	Settings		*
Parking Lot	[Traffic F	Flow Statistics]	🖸 Export Excel 🛛 🖄 Expo	ort Picture
Q Search	Report Type: Da Time: 2023-12- Entrance: Entran	ally Report -25 nce1; Gate;		
		Total Number of Vehicles Entering 1	-) Total Number of Vehicles Exiting 0	
	Traffic Flov	w Statistics	🖬 Entrance 🖬 Exit 🛛 🐼	<u>.</u>
	1 - 0.8			
Granularity	0.6			
Report Type Daily Report	•			
Time	3			
Search				

On the left panel, select the parking lot and entrances/exits you want to view the statistical information. Then select the report type and

The default granularity is "Entrance". You also can select "Parking Lot" and click [Search] to refresh the vehicle flow data. The report type, time and granularity will be shown on the top of statistical information. The total number of vehicles entering or leaving can be viewed too.

Click 🔟 to view the data statistics in the line chart; click 🏛 to view the statistics in the bar graph. You can view the entrance or exit information as needed. Put the cursor on the statistic chart/graph to view the detailed information.



Export: You can choose to export Excel or image as needed. Click [Export Excel], select the path and then click "Save" to export the files(.xls). The file name format is "Report Statistics_ Date".

Click [Export Picture] to export pictures (.png format).

17.1 Add Temperature Reading Devices

This platform supports thermal network camera and temperature measurement panel access.

- 1. Click Home→Resource Management→Add, Edit or Delete Device→Encoding Device to go to the encoding device interface. Click [Add]
- to add the temperature reading devices.
- 2. Click Home→Resource Management→Device Setting to go to the device setting interface. Select the temperature reading device and then click the "Thermal imaging settings" tab to enable temperature measurement function.
- 3. Set the temperature unit, high temperature threshold and low temperature threshold (different devices may have different settings).
- 4. Click [Apply] to save the settings.

Add, I	Edit or Delete Device	Device Setting	Area Setting	Channel (Group Setting	Task	c				
Encod	ding Device		OSD	Setting	Image Setting	Stre	eam Setting	Exception	Detection	Face Detection	Thermal imaging settings
Q Sea	arch				Ena	bla					
Ξ 🏠	default area				LIId	DIE					
	📾 IPC				Temperature mo	ode	Speed		•		
+	📾 Camera33										
+	🚍 IPC				Temperature U	nit	°C				
+	📾 IPC		ŀ	ligh tempera	ture abnormal ala	rm					
Ξ	📾 IPC						_				
	IPC		High	temperature	abnormal thresh	old	37.2		The te	mperature setting ra	nge is(0~99)°C
÷	💼 IPC			Low tempera	ture abnormal ala	rm					
			▲ Low	temperature	abnormal thresh	old	35.5		The te	mperature setting ra	nge is(0~99)°C
							Apply				

17.2 Temperature Screening

17.2.1 Configuration

- 1. Click Home \rightarrow Temperature Measurement \rightarrow Live Preview $\rightarrow^{\textcircled{1}}$ to go to the following interface.
- 2. Set the temperature measurement parameters as needed.



Abnormal temperature threshold: please set the value according to the actual condition. When the temperature detected is over than the set value, alarms will be triggered.

Record validity: Set how long the platform will keep the temperature records. If it is enabled, the temperature records will be cleared beyond the set days.

Pop-up automatically: if enabled, the abnormal temperature alarm processing box will pop up automatically. Additionally, you can enable "Pop up non-mask alarm box" as needed.

Data Display: you can choose "Hide normal data". That is to say, if the temperature of the person scanned is normal and the mask is detected, these data will not be displayed on the client.

Data Reset Settings:

- a. Reset time and type: please reset time of the temperature data as needed. These data can be reset every day, every week or every month.
- b. You can reset the statistics by clicking [Reset].

Data sources of Temperature Reading Tablet: including comparison data and detection data. If comparison data is selected, the platform will receive the temperature reading result and face comparison result; if detection data is selected, the platform will receive the temperature reading result and face detection result, but it is not sure whether the person is matched with that of the face database

Voice Prompt: Please set the over temp voice prompt and non-mask voice prompt as needed. When no mask or elevated temperature is detected, the set voice prompt will be heard.

17.2.2 Live Preview

Drag the thermal cameras/temperature measurement and face recognition terminals to the preview window. In this interface, you can view various statistical information, such as total pass-by(today/total), over-temperature(today/total), mask off (today/total), etc.



Putting the cursor on the snapshot picture appears a "+" icon. Click this icon to add this picture to the group of the face database.

The thermal image and visible light image will be displayed simultaneously if the thermal camera is dragged to the preview area. Right click on the thermal camera window and then select the fourth stream to view the thermal image.

Alarm Handling

Click the captured image to pop up an alarm handling box as shown below. You can edit the personal information, including name, phone number, ID number, address, whether to go to the infected area, etc.

Click "+" on the top right corner of the snapshot image to add it to the group of the face database.

	Alarm I	Handling		×
Snapshot Camera	IPC	Snapshot Time	2023-12-25 11:15:30	
Temperature	36.7°C	Suspected fever	No	
Mask Status	Mask Off	Infected Area		•
Status	•	Name	04	
Phone Number		ID Number		
Address				
Remark				
Pop up Automatica		Previous	Next S	ave

Pop up automatically: if enabled, the alarm handling box will automatically pop up on detecting an abnormal event (over temp/mask off).

Full Screen Display

In the temperature measurement interface, click 🙂 on the top right corner to enter temperature warning system interface.

Click \blacktriangleright to exit the full screen mode.

17.2.3 Record Search

Select the camera and then set the filter condition (like the start and end time, temperature range, keywords, etc.) to search the records.

Live Preview Search Statistics									\$
Monitoring Point	🖸 Export								
Q Search	No. Suspe	ected fever Snapshot Camera	Time Tar	rget Picture Original Picture	Temperature Ma	isk Status Status	Alarm Handling	Record Playback	Processing Status
🗄 🜌 🏠 default area									
	1	No IPC	2023-12-25 11:15:30		36.7°C M	lask Off Unprocessed	2	ø	
			2						
Time									
2023-12-25 00:00:00 ~ 2023-12-25 23:59 🗎									
Range									
All 🗾 🗸 🔁									
Mask Status									
Ali									
Status									
All Status									
Infected Area									
All									
Recognition Success									
All									
Keywords									
Search	Total:1 50 💌						1	A + H 1	/1Page

In the above interface, you can view the target picture and the original picture, body temperature, mask status, alarm handling status, etc.

17.2.4 Statistics

In the statistics interface, you can view the total pass-through counts, abnormal temperature counts and mask off counts.



Click it to switch between date and date range.

Choose the camera and then set the start time and end time. Click "Search" to view the statistics.

You can view the statistics via a line chart or bar graph. The statistical data can be exported by clicking "Export".

18.1 Thermal Network Camera Settings

Click Home \rightarrow Resource Management \rightarrow Add, Edit or Delete Device \rightarrow Encoding Device to go to the encoding device interface. Click [Add] to add the security thermal network cameras.

18.1.1 Temperature Measurement Settings

After adding the security thermal network camera, click Resource Management \rightarrow Device Setting \rightarrow Temperature Measurement Configuration to go to set the temperature measurement parameters.

ncoding Device	Line Crossing Detection	Intrusion	Fire Detection	Temperature	Measurement Configu	ation Temperature Alarm
) Search			1916-07-187-186 (11:02:05	Color type F	Rainbow coding 🔻
🛕 default area					L	
🗄 📾 Camera33					Default	
🗄 📠 IPC					-	
🗄 📠 IPC					Restore	
🗄 📠 IPC						
🗄 📠 IPC						
🗄 📠 IPC						

Color Type: White/Black/Rainbow coding/Red

Restore: Click it to restore the set image to the previous image.

18.1.2 Temperature Alarm Settings

In the device setting interface, select the security thermal network camera and then click the temperature alarm tab as shown below.

Line Crossing Detection	Intrusion	Fire Detection	Temperature M	easurement Confi	guration	Temperature Ala	rm			
		1908-821-824-96F 11	1.:09:12	Enable Tempera	ature Alarm					
				Enable	Name	Туре	Emissivity	Distance(m)	Reflective(°C)	Edit
					Area 1	Area	0.8	10	10.11	Ø
					Area 2	Area	0.96	5	25	Ø
					Area 3	Area	0.96	5	25	Ø
					Area 4	Area	0.9	5	25	Ø
					Area 5	Area	0.96	5	25	Ø
					Area 6	Area	0.93	3	23	Ø
					Point	Point	0.9	5	25	Ø
				\sim	Line 1	Line	0.96	5	25	Ø
	_				Area 7	Area	0.96	5	25	Ø
Start Draw	r			-	A 0	A	0.00	r	٦r	Л

Enable temperature alarm.

Set the rules. Up to 10 rules can be set.

Double click rule name, type, emissivity, distance and reflective temperature of each rule to modify them.

The rule type includes point, line and area.

Edit: set the alarm rule.

Alarm Rule								
Alarm Rule	Above(Maximum Temperature) 🔻							
Alarm Temperature	100.00°C							
Alarm Output	Output1							
	OK Cancel							

After the above alarm rules is set and temperature alarm is enabled, set the alarm linkage items of monitoring point-temperature alarm in the alarm linkage interface. When the detected temperature exceeds the set threshold, the related alarms will be triggered.

Start Draw: select the type and then draw on the image.

Clear: clear the drawn point/line/area.

Schedule: Set the schedule of temperature alarm.

Alarm Setting: Set the alarm of the IPC.

18.1.3 Fire Detection Settings

In the device setting interface, select the security thermal network camera and then click the fire detection tab as shown below.

Line Crossing Detection Int	trusion Fire Detection	Temperature Measurement Configur	ration Temperature Alarm
	90689/18/196	ILECO-68 Enable	
		Schedule	
		Alarm Setting	
		Apply	

Schedule: set the schedule of fire detection, 7*24 by default.

Alarm Setting: set the alarm of IPC.

Apply: Click it to save the settings.

Enable: Check it to enable the fire detection function.

18.1.4 Alarm Linkage Settings

Click Alarm Center→Alarm Linkage Settings→Monitoring Point-Fire detection alarm

Enable the alarm linkage items, like record, snapshot, alarm output, etc.

When the detected temperature exceeds the set threshold, alarms will be triggered.

Alarm Log Search Alarm Setting								
∈	Alarm Type	() All ON 🛇 All OFF	C Restore default Are	ea Please select	▼ Schedule	Setting	Q Filter	
E Alarm Linkage Settings	Fire	Name	Audio 🗸	Preset 🗸 Record	✓ Alarm Preview	❤ Snapshot ❤	Alarm Output	\sim
Manual Alarm Out	Monitoring Point	thermal	V OFF N	ull Null	Null	, Null	Null	
S SOP Setting	Monitoring Point-Fire detection alarm							

18.2 Temperature Measurement

18.2.1 Video Preview

Go to the video preview interface and then drag the thermal camera to the window to play. The default video stream is the fourth stream (thermal imaging stream). You can switch the stream under the preview window. The temperature measurement rule and the current temperature will be displayed in the image. When the temperature alarm is triggered, they will turn red.



18.2.2 Data Analysis

Select the data analysis tab to enter the following interface. Select the temperature measurement rule (multiple rules can be selected) and click [Apply] to view the real-time temperature reading results and image.

Video Preview Data Analysis Search		*
Monitoring Point	Real-time Temperature Plot	Maximum Temperature 🔻 Show Dots 🔵 🖸 Export Picture
Q Search		
🖃 🖬 default area	Units("C)	
🖃 🗖 🔤thermal	30	
🖾 Area 7	25	2027/12/25 10:10:11
Line 1		
Point	20	
	15	
	17:04 • Area 7: 27.75	>
	5	
	0 17:04 17:05 17:07	
	Point 🗾 Line 1 🗾 Area 7 🗾 Area 8	3
Refresh Rules Apply		

Temperature measurement settings: Click to open the temperature measurement setting window. You can choose whether to display detection rules and real-time temperature, set sensitivity and temperature rise alarm.

Temperature Measurement Settings									
Display Detection Rules									
Sensitivity	0.50°C	٥							
Temperature Rise Alarm									
	ОК	Cancel							

You can set the alarm linkage items of temperature rise alarm. When the rise of the temperature exceeds the set value, the relevant alarms will be triggered. Go to Alarm Center -> Alarm Linkage Settings interface and select "Monitoring Point—Abnormal temperature rise" to set the alarm linkage items.

Note: At present, the system will detect the temperature every 10s. If the temperature goes up 0.1° C every one second, the temperature will rise up 0.5° C after 5 seconds, but alarms will not be triggered immediately. Alarms will be triggered when the temperature rises up 0.5° C or higher after 10 seconds.

Different colors stands for different temperature measurement rules. You can view the temperature reading results.

Statistical type: Maximum/average/Minimum temperature.

Show dots: if enabled, the statistical temperature plot will show the dots as shown below. Put the cursor on the dot and then the detailed data will be displayed.

I-time Temperature	Plot			Mini	imum Temperature 🔻 Show Dots	Export Picture
Units(°C) 30 +						
	1					
25						
20						
15						
10						<
5						
0	17:05	17:07	17:08	17:09	17:12	17:13
		P	Dint Line i Area / Ar	ea o		

E: Click it to export the temperature measurement data to the specified file.

Refresh Rules: Click it to refresh the monitoring points and then select the desired rules

Apply: After you select rules, click it to view the line chart.

Real-time Preview: click on the right to extend the video preview window. Select a rule on the left monitoring point panel, this rule will be highlighted. Click any point in the preview window to view the real-time temperature.

2023/12/25 08:42:41
Highest: 28. 55* C
Average:27.75° C
27.95° C
Lowest : 26. 65* C
Average: 28, 55° C
Lowest: 27.55* C. Average: 28,25,500 most: 28.85 C
Lowest:28.05° C
2 3 4 8 9 16 T Stream -

18.2.3 Record Search

Click Industrial Temperature Measurement \rightarrow Search to go to the following interface. Select one or more rules, set the start and end time and click [Search] to view the temperature data.

Video Preview Data Analysis Search									*
Monitoring Point	C Export								
Q Search	No.		Time	Monitoring Point Nam	e Minimum Temp	erature Average Temperatur	e Maximum Temperature	Aera	
🗉 🖪 🙆 default area	1		2023-12-25 17:14:37	_therm	al 26.25°C	26.95°C	27.55°C	Line 1	
	2		2023-12-25 17:14:37	ſ_therm	al 25.45°C	26.55°C	27.35°C	Area 8	
	3		2023-12-25 17:14:27	therm	al 26.85°C	26.75°C	26.85*C	Point	_
	4		2023-12-25 17:14:27	therm	al 26.25°C	26.75°C	27.35*C	Area 7	
	5		2023-12-25 17:13:47	therm	al 27.25°C	27.35°C	27.25°C	Point	_
	6		2023-12-25 17:13:47	therm	al 26.75°C	27.45°C	28.15°C	Line 1	_
	7		2023-12-25 17:13:47	_therm	al 26.65*C	27.25°C	27.75*C	Area 7	
	8		2023-12-25 17:13:47	therm	al 25.95°C	27.05°C	27.85*C	Area 8	
	9		2023-12-25 17:13:17	T_therm	al 27.75°C	27.75°C	27.75°C	Point	
•	10		2023-12-25 17:13:17	T_therm	al 27.25°C	27.95°C	28.55°C	Line 1	
	11		2023-12-25 17:13:17	T_therm	al 27.05°C	27.65°C	28.25°C	Area 7	
	12		2023-12-25 17:13:17	T_therm	al 26.35°C	27.45°C	28.35°C	Area 8	
	13		2023-12-25 17:12:57	T_therm	al 28.25°C	28.25°C	28.25°C	Point	
	14		2023-12-25 17:12:57	_therm	al 27.75°C	28.45°C	29.05°C	Line 1	
	15		2023-12-25 17:12:57	_therm	al 27.45°C	28.15°C	28.75°C	Area 7	
	16		2023-12-25 17:12:57	_therm	al 26.75°C	27.85°C	28.85°C	Area 8	
	17		2023-12-25 17:09:37	_therm	al 29.15°C	29.15°C	29.15°C	Point	
Time	18		2023-12-25 17:09:37	_therm	al 28.75°C	29.25°C	29.75°C	Line 1	
2023-12-25 00:00:00 ~ 2023-12-25 23:59:59 📾	19		2023-12-25 17:09:37	_therm	al 28.35°C	29.05°C	29.55°C	Area 7	
Search	Total: 21	7 50 🔹					H	↓ ↓ 1 /5	5Page

Start/End Time: The end time shouldn't be earlier than the start time.

Export: Click [Export] to export the temperature data to the Excel file as shown below.

- 4	А	В	С	D	E	F	G
7	6	2022-01-13 14:41:59	Industrial tem	21.25°C	21.25°C	21.25°C	7
8	7	2022-01-13 14:41:59	Industrial tem	20.85°C	22.45°C	24.35°C	10
9	8	2022-01-13 14:41:48	Industrial tem	33.25°C	34.55°C	35.35°C	10
10	9	2022-01-13 14:40:28	Industrial tem	21.75°C	21.75°C	21.75°C	7
11	10	2022-01-13 14:39:07	Industrial tem	21.25°C	21.25°C	21.25°C	7
12	11	2022-01-13 14:38:57	Industrial tem	23.35°C	23.35°C	23.35°C	5
13	12	2022-01-13 14:38:16	Industrial tem	21.45°C	21.45°C	21.45°C	9
14	13	2022-01-13 14:37:36	Industrial tem	21.95°C	21.95°C	21.95°C	9
15	14	2022-01-13 14:37:26	Industrial tem	21.75°C	21.75°C	21.75°C	7
16	15	2022-01-13 14:36:05	Industrial tem	23.85°C	23.85°C	23.85°C	5
17	16	2022-01-13 14:34:14	Industrial tem	21.85°C	21.85°C	21.85°C	6
18	17	2022-01-13 14:33:24	Industrial tem	20.95°C	22.55°C	24.45°C	10
19	18	2022-01-13 14:33:14	Industrial tem	20.95°C	22.75°C	27.75°C	10
20	19	2022-01-13 14:32:34	Industrial tem	21.35°C	21.35°C	21.35°C	6
21	20	2022-01-13 14:32:04	Industrial tem	21.25°C	21.25°C	21.25°C	7
22	21	2022-01-13 14:32:04	Industrial tem	23.35°C	23.35°C	23.35°C	5
23	22	2022-01-13 14:28:31	Industrial tem	21.45°C	21.45°C	21.45°C	9
24	23	2022-01-13 14:28:11	Industrial tem	21.15°C	22.15°C	23.75°C	2
25	24	2022-01-13 14:27:30	Industrial tem	21.95°C	21.95°C	21.95°C	4
26	25	2022-01-13 14:27:09	Industrial tem	20.85°C	22.65°C	24.55°C	10

Delete: if the rule is deleted, all historical temperature measurement records under this rule will be deleted too.

19 User Management

Go to Home \rightarrow User/Role as shown below.

User/Role Online User Management					
User/Role list					
(*) Role	Role name	Super Administrator			
Q Search	Menu permission	Select All			
🛨 🎄 Super Administrator		Resource Management	Server Management	Record Setting	Alarm Management
			TV Wall	Parking Lot Management	Configuration
		Target Counting	Search	Face Greeting	Face Attendance
		Body Temperature Measurement	Group Management	🗹 Data Dashboard	Face Access Control
		Visitor List	Industrial Temperature Measurement		
	Operation Permission	Select All			
		Backup and Restore Database	Check and Export Log	E-Map Operation	TV Wall Operation
		Add/Modify/Delete Group	Add Channel Group	Delete Channel Group	Parking Lot Configuration
		Configure the access control right	group 🛛 Attendance rule configuration	Attendance exception han	dling

There is a default super administrator by default. The username is admin; the default password is 1234. The super administrator cannot be deleted.

Modify the password of the super administrator:

User/Role Online User Management					
User/Role list					
(+) Role	Enable				
Q Search	* User Name	admin			
😑 🎩 Super Administrator					
💄 admin	* Password	Modify Password	M	odify Password	×
	Role	Super Administrator			
		Super Automation	User Name	admin	
	Schedule	7*24	* Original password	Enter Password	
			* Password strength	○ Weak ○ Middle ● Strong	
	Bind MAC Address	00 : 00 : 00 : 00		8-16 characters; numbers, special characters, upper case letters and low	wer
	Demonto			case letters must be included.	
	Kemark		* Password	Enter Password	
			* Confirm Password	Enter Password	
	Create Security Questions / Answers	Edit Security Question			
		Save Cancel		OK	cel

If it is the first time for you to log in, please select the super admin user and then click [Edit Security Questions/Answers] to set the questions and answers. It is very important to reset the password if you forget your password.

Select the super administrator and then click [Edit Security Questions/Answers] to modify the questions and answers as needed after verifying the username and password.

Click "Role" to pop up the following interface.

User/Role Online User Management											
User/Role list											
⊕ Role Ro	e name	Create a role 1									
Q Search Menu per	rmission [Select All									
🗄 🏨 Super Administrator	(Resource Management		Server Manag	ement		Record Setting	Alarm Managemer	nt		
	C	E-Map		TV Wall			Parking Lot Manage	ement 🗌 Configuration			
	C	Target Counting		Search			Face Greeting	Face Attendance			
	C	Body Temperature Measurement		🔲 Group Manag	jement		🔲 Data Dashboard	Face Access Contr	rol		
	C	Visitor List		Industrial Temperature Measurement							
Operation Per	rmission [Select All									
	C	Backup and Restor	e Database	Check	k and Export Lo	g	E-Map Operation	🔲 TV Wall Op	eration		
	C	Add/Modify/Delet	e Group	🗆 Add 0	Channel Group		Delete Channel Gr	oup 🔲 Parking Lot	Configuration		
	C	Configure the acce	ess control right	group 🔲 Atten	dance rule conf	figuration	Attendance except	ion handling			
Area Per	rmission [Select All								Q Search	
		Area P	TZ Control	Video Preview	Playback	Record B	ackup Record	Monitoring Point Setting	Device Talkbac	k Device Setting	Devic
		default area									C
		Came									
		IPC									
		IPC									

Enter the role name and then check the permission as needed.

Put the cursor on the added role. Two icons will appear. Click to add a user.

	Enable	
	* User Name	Create a user 1
	* Password strength	 Weak Middle Strong 8-16 characters; numbers, special characters, upper case letters and lower case letters must be included.
	* Password	Please enter password
	* Confirm Password	Enter password again
User/Role list	Role	Role 1
⊕ Role	Schedule	7*24
Q Search	Bind MAC Address	00 : 00 : 00 : 00 : 00 : 00
 Super Administrator admin 	Remark	
& Role 1		Save

After the user is added under the role, put the cursor on the user name. Then a deletion icon will appear. Click it to delete the added user.

20.1 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 Lo	g Backup and Restore Con	figuration Real-time Status	Status Log				
Time 202	23-10-18 00:00:00 ~ 2023-10-	18 23:59:59 📾 Log Type	All Types	Search			
🖸 Export							
No.	Main Type	Record Time	Node Name	Sub Type 🗸 🗸	User Name	User Address	Details
1	Operation Log	2023-10-18 20:28:37	Client	System Maintenance	admin		Log Search
2	Operation Log	2023-10-18 20:28:21	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 C0	Preview video: Device Name
3	Operation Log	2023-10-18 20:24:49	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 C0	Preview video: Device Name
4	Operation Log	2023-10-18 20:20:03	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 CO	Preview video: Device Name
5	Operation Log	2023-10-18 20:19:55	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 CO	Preview video: Device Name
6	Operation Log	2023-10-18 20:19:39	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 CO	Preview video: Device Name
7	Operation Log	2023-10-18 20:19:25	Device Name_Camera01	Preview video	admin	admin 10.15.1.155 CO	Preview video: Device Name
8	Log Configuration	2023-10-18 20:19:21	Client	Channel Parameter	admin		

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

20.2 Backup and Restore Configuration

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

Check Log	Backup and Restore Configuration	Real-time Status	Status Log	
Ba	ckup System Configuration	(Restore Syste	m Configuration	
Caution automa	: It will take several minutes to restore sy tically after restoration.	ystem configuration. D	o not shut down the com	nputer during restoring. The authentication server will restart

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. Additionally, TV wall configuration also can be backed up as needed. Then click [Restore System Configuration] in the new version to restore the system configuration.

For TV Wall configuration restoration, you need to go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting \rightarrow TV Wall Backup interface and then restore TV Wall configuration by clicking [Restore TV Wall].

20.3 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

Check Log Backup and Restore Configuration Re	al-time Status Status Log							
Encoding Device Online Status	Channel Online Status		Decoder Online Statu		Server Online Status	Record Status of the Storage Server		Record Status of Encoding Devices
75%	75%		0.00%		100%	0%		0.00%
Offline: 1	Offline: 1		Offline: 0		Offline: 0	No video: 4		No video: 0
Area	No. No.	Туре	Channel Number	Alarm In Number	Alarm Out Number	IP Address/IP Range/Domain Name/Serial No.	Port	Online Status
Q Search	1 IPC	Speco	1	1	1	10.15.1.201	9008	Online
	2 IPC	Speco	1	2	2	10.15.1.202	9008	Offline!
G derault area	3 Camera33	Speco	1	1	1	192.168.250.105	9008	Online
	4 IPC	Speco	1	2	2	10.15.1.98	9008	Online

20.4 Viewing Status Log

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

Che	ck Log	Backup and Restore Conf	figuration Real-time Status	; Status Log
Time	2023	-10-18 00:00:00 ~ 2023-10-	-18 23:59:59 📾 Search	rch
🖸 Exp	ort			
No	.	Туре 🗸	Record Time No	Node Name Details
	1	No recording	2023-10-18 22:27:26 Device N	• Name_Camera01
	2	Recording	2023-10-18 22:27:05 Device N	9 Name_Camera01
	3	Recording	2023-10-18 22:25:57 Device N	a Name_Camera01
	4	Recording	2023-10-18 22:25:46 Device N	9 Name_Camera01
	5	Recording	2023-10-18 22:24:40 Device N	a Name_Camera01
	6	Recording	2023-10-18 22:22:50 Device N	a Name_Camera01
	7	No recording	2023-10-18 22:04:26 Device N	a Name_Camera01

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.

The searched logs can be exported by clicking [Export].

21 Configuration

21.1 Local Configuration

21.1.1 Basic Settings

Go to Home \rightarrow Configuration \rightarrow Local Configuration

Auto Login	
Trigger audio when the node is offline	
Show tips when the node is offline	
Substream display of new view	
Indicates whether the decoding resource exceeds the limit	
Show device name on E-Map	
Verify the password before exiting the program	
Storage server exception linkage 🕐	
Sound Loop	
Video Configuration Rules	○ Specification First ● Clarity First
Select Language	English(United States)
Temperature Unit	°C 🔹
Time Display Format	yyyy-MM-dd hh:mm:ss
Playback Source	Network Device
Keyboard Layout	QWERTY
Screen Resolution	
	Apply

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

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

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

Substream display of new view: if enabled, the new view will be displayed at substream.

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

Server exception Linkage: if enabled, the system will skip to real-time status interface when the server error occurs.

Sound Loop: If enabled, the alarm sound will be repeated continuously.

Temperature Unit: °C or °F can be selected

In this interface, you can also set video configuration rules, language, time display format and so on.

21.1.2 Resource Tree Settings

Full name display for DVR/NVR's channels	
Resource tree automatically expands	
Show alarm state for the monitoring point $\$	
Resource Tree Sorting Rules	Sort by Name O Sort by Time
	Apply

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.

Resource tree automatically expands: please enable as needed.

Show alarm state for the monitoring point: if enabled, the alarm state will be displayed in the monitoring point list as shown below.



In addition, you can also select the resource tree sorting rules as needed.

21.1.3 Record and Snapshot Settings

Go to Home \rightarrow Configuration.

	Playback Source	Network De	evice		•
	Backup File Format	AVI			•
Max File Size for Manual Recordi	ng and Record Backup	512MB	O 1GB	O 2GB	
		Apply			

In this interface, the playback source, backup file format and max file size for manual recording and record backup can be set up here.

21.1.4 Alarm View Settings

Go to Home \rightarrow Configuration \rightarrow Alarm View Setting.

Automatic Pop-up Alarm Page)	
	🗆 Ful	all screen display when popping up Full Screen Display DISPLAY1	•
Close Alarm Page	O Aut	ito Shutdown 🔘 Manual Shutdown	
	Time	30 s 🔹	
Number of Screens	4	•	
	Appl	ply	

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).

21.1.5 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 Configuration \rightarrow Overload Setting. Select the overload upper limit and then click [Apply] to save the settings.



21.1.6 Snapshot Attribute Display Settings

Go to Home \rightarrow Configuration \rightarrow Local Configuration \rightarrow Snapshot Attribute Display Setting interface as shown below.

The snapshot attribute display and target box display can be set here.

Snapshot attribute display setting: you can set the attributes of face, human and vehicle. Please select the corresponding attributes/features as needed. The attributes of smart snapshot picture will be shown accordingly.

Snapshot Attribute Display Setting		
Face	Age;Gender;Glasses;Mask;Headg	
Human	Age;Gender;Glasses;Mask;Headg	
Vehicle	Color;Type;	
Target Box Setting		
Show target tracking box		
Face	Age;Gender;Glasses;Mask;Headg	
Human	Age;Gender;Glasses;Mask;Headg	
Human Vehicle	Age;Gender;Glasses;Mask;Headg	

Face attributes/features:

Including gender, age, mask status, temperature, hat, hairstyle, beard, glasses, telephone, skin, a maximum of 6 features can be shown in the smart snapshot area.

Human attributes/features:

Including gender, age, hat, glasses, mask status, glasses, backpack, shoulder bag, upper clothing color, lower clothing color, upper clothing type, lower clothing type, dress/skirt, a maximum of 6 features can be shown in the smart snapshot area.

Vehicle attributes/features:

Including color, type, one or two attributes can be displayed in the smart snapshot area.

Target tracking box:

If enabled, the target tracking box will be shown on the preview/playback window which is playing the video of the IPC enabled the video metadata function.

21.1.7 Network Configuration

Click Home \rightarrow Configuration \rightarrow Local Configuration \rightarrow Network Config to go to the following interface. Set the network parameter according to the actual condition.

IP Group	Enable			
IP Address	192.168.0.10		eth0	Bind static IP
			MAC Address	00:E0:4C:68:00:0C
Subnet Mask	255.255.255.0		IP Address	10.15.1.115
Gateway	192.168.0.1		Subnet Mask	255.255.0.0
			Gateway	10.15.1.1
Network Mode	Adaptive Load Balancing	•		
Major DNS	127.0.0.53			
Minor DNS				
	_			
Apply	Refresh			

21.1.8 Server Port Configuration

Click Home \rightarrow Configuration \rightarrow Server Port Config to go to the following interface.

Authentication Server	Config Server	Media Transfer Server		Alarm Server
Port 6003	Port 7002	Port	6006	Port 6033
		Active report port	2009	
TV Wall Server	Intelligent Analysis Server	Http server		Application Server
Port 6036	Port 6069	Port	8080	Port 6093
Access Server				
Port 6013				

In this interface, you can set the ports of authentication server, config server, media transfer server, alarm server, TV wall server, intelligent analysis server and so on. The service of all servers is enabled by default. Please set these ports as needed.

21.1.9 System Time Configuration

Click Home \rightarrow Configuration \rightarrow System time config to go to the following interface.

Zone	GMT (Iceland)	-
System time	2023-12-23 06:57:36	\$
Timing mode	Manual	-
Timing server	time.windows.com	•
	Apply Refresh	

Please select the time zone as needed.

You can set the time manually or automatically as needed.

21.1.10 Upgrade System

Click Home \rightarrow Configuration \rightarrow Upgrade System to go to the following interface.

	Delete database	
Del	ete intelligence server data	
	Upgrade files	•
		Upgrade System

Please check "Delete database" or "Delete intelligence server data" as needed.

Insert the USB storage device into the device and then click [Select Upgrade File] to find the upgrade file. Then click [Upgrade System]. During the process of upgrading, please do not power off your device. After the upgrade is finished, the system will automatically reboot.

21.1.11 Other Configuration

Go to Home \rightarrow Configuration \rightarrow Other Config.

Enable system SSH service		
Stop HTTPS		
	Apply	Refresh

In this interface, you can enable system SSH service. This service is for test. In addition, you can also disable HTTPS here.

21.2 Server Configuration

21.2.1 System Settings

Click Home \rightarrow Configuration \rightarrow Server Configuration \rightarrow System Setting to go to the following interface.

System Name					
Device Time Correction	Device Time	e Correction (?)	🗹 Synchro	nize Time Zone	Synchronize Platform Time
Service Fault Determination Time	1 🔹	mins			
Log Retention Time:	365	Day			
Enable License Plate Synchronization					
	🛕 If it is turn	ed off, the syster	n will not supp	ort the function o	of license plate synchronization
	Apply	Reset			

System Name: Set the platform display name.

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

Service fault determination time: set the failure duration time. When the server failure exceeds this period of time, it will be determined as "Offline". The spare server will take over.

Log Retention Time: set the log storage time.

Enable License Plate Synchronization: if enabled, you can use the relevant license plate synchronization functions. See the tips shown in the interface for details.

21.2.2 Alarm Settings

Click Home \rightarrow Configuration \rightarrow Server Configuration \rightarrow Alarm Setting to go to the following interface.

Alarm Preview Using Third Stream		
Hide Alarms Beyond the Alarm Linkage Schedule 🛛 🗌		
Report interval for the same alarm		
Standard NVR alarm receiving options(version 1.4.7 or above) O None	 Alarm message 	• Alarm message and snapshot (face capture/comparison snapshot)
Apply	Reset	

In this interface, you can enable "Alarm preview using third stream".

Hide alarms beyond the alarm linkage schedule: Alarms will not be viewed beyond the alarm linkage schedule.

Enable and set the same alarm reporting interval and its linked alarm type. After that, the alarm type will automatically report according to the set interval.

Standard NVR alarm receiving options: please select to receive alarm information or snapshot and alarm information of NVR as needed.

21.2.3 Parking Lot Settings

Set the license language. Default or Arabic can be selected.

21.2.4 Audio Uploading Settings

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

+ Add	🗓 Delete		
	Audio	Name Delete	
	Ļ	Audio Uploading Setting	×
	Audio Name		
Cho	ose voice file	•	¢»
		Audio sampling rate of 16000Hz, 16 bits per sampling, mono, size not more than 2M wav file	
		ОК Са	ncel

Click 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.

22 Data Dashboard

Before opening the data dashboard, please makes sure the intelligent server is online.

Go to Home \rightarrow Resource Management \rightarrow Intelligent Analysis Server interface. There is a default intelligent server and make sure it is online.

Add, Edit or Delete Device	Device Setting	Area Setting	Channel Group Setting	Task					
=									
Encoding Device (Online/Tot	tal number: 2/3)	Edit	Server Name		IP Address	Port	Client Connection Status	Authentication Server Connection Status	
5		Ø	Intelligent Analysis Ser	/er	10.15.1.155	6069	Online	Online	
Decoder (Online/Total numb	er: 1/1)								
Intelligent Analysis Server (O	nline/Total number:								

22.1 Create Intelligent Dashboard

Go to Home \rightarrow Intelligent Dashboard.



Click [Immediately Create] to create the layout of the data dashboard. Drag the module you want to display to the right preview window as needed. After that, click [OK] to save the settings.

		Layout	×
Basic Module		Preview	
Video Windows	Device Status		
Calendar	Statistical Chart Of Attendanc	There is no content in the board, you can drag the <left component=""> to create board.</left>	
Face Comparison			
Face Comparison Statistics	Face Comparison Record	Property Setting	
Body Temperature Me	easurement	roperty occuring	
Body Temperatur			
E-Map		No Configuration	
-			
		OK Cancel	

Hover the cursor onto the module in the preview window and then you will see a deletion button (\square). Click it to remove the module

		Layout ×	<
Basic Module		Preview	
Video Windows	Device Status	\odot	
Calendar	Statistical Chart Of Attendanc	Video Windows	
Face Comparison		Video Windows	
Face Comparison Statistics	Face Comparison Record		
Body Temperature M	easurement	Property Setting(Video Windows)	
Body Temperatur			
E-Map		No Configuration	
		OK	

After the data dashboard is created, click it to display it in full screen mode. Click or ESC to exit the full screen mode. Click to set the layout of the dashboard.

Video Windows

22.2 Basic Module

Video window supports 4-screen display mode. Click **u** to extend the monitoring points. Drag the camera to the preview window or double click the camera to play the video. You can drag the playing window to other windows.



Other modules can set its attributes that you want to display as needed.



22.3 Face Comparison Display

Face Comparison display includes face comparison statistics and face comparison record display. In the layout interface, drag these two modules to the preview window. Then you can set the attributes as needed.



Smart Snapshot module: You can set the snapshot channel and attributes.

In the face comparison records, you can view the comparison similarity. Click 🔟 to quickly skip to face comparison retrieval interface.

Click 🔳 to pop up the detail box. In this box, you can modify the personnel information; click 📑 to add this person to the face database.



22.4 Body Temperature Measurement Display

In the layout interface, select the body temperature module and then set the attributes you want to display as shown below.

		Layout	×
Basic Module		Preview	
Video Windows	Device Status		
Calendar	Statistical Chart Of Attendanc	Video Windows Face Device Status Comparison Becord	
Face Comparison		Face Body Comparison Temperature	
Face Comparis	Face Comparis	Statistics Measurement	
Body Temperature Measurement		Property Setting(Body Temperature Measurement) Passed today Suspected fever Without a mask	
Temperatur E-Map			
		OK Cancel	

The body temperature measurement of the intelligent dashboard is shown as below.



22.5 E-map Display

E-Map includes E-map monitoring and heat map analysis. The layout settings are as follows.

		Layout	×
Temperatar		Preview	
E-Map			
E-Map Monitoring	Heat Map	E-Map Monitoring	
Smart Snapshot		Comparison Record	
Smart Snapshot	- I		
Traffic Flow Statistics		Property Setting(E-Map Monitoring)	
Traffic Flow Statistics	Traffic Proportion of Each	IPC Smart IPC Sensor	
Remaining Parking Spa	ce		
Remaining Parking Space			
		OK Cancel]
You need to set the hotspots in advance and then you can view here. Please refer to E-Map \rightarrow E-Map Monitoring for details.



Heat map module: The more people/vehicles enter, the deeper the color is. Move the cursor on the monitoring point to view the current traffic flow. You need to set the E-map and hotspots in advance. Please refer to E-map settings chapter for details.

Besides the above hotspot setting, you can set other parameters as shown below.

		Layout	×
Basic Module	1	Preview	
Video Windows	Device Status		
Calendar		Heat Map	
Face Comparison			
Face Comparison Statistics	Face Comparis	Property Setting(Heat Man)	
E-Map	I	✓ IPC ✓ Smart IPC ✓ Sensor	
E-Map Monitoring	Heat Map	Statistical type Human Passenger flow type	
Smart Snapshot		Auto Refresh Interval 1 minute 💌 🌞	
		ОК	Cancel

In the heat map module of the intelligent dashboard, you can view the statistics of human/motor-vehicle/non-motor vehicle.

Layout				
E-Map		Preview		
E-Map Monitoring	Heat Map			
Smart Snapshot		Heat Map		
Smart Snapshot				
Traffic Flow Statistics				
Traffic Flow Statistics	Traffic Proportion of Each	Property Setting(Heat Map) ☑ IPC ☑ Smart IPC ☑ Sensor		
Remaining Parking Space		Statistical type Human Passenger flow type		
Remaining Parking Space		Auto Refresh Interval 1 minute 🔻 🔆		
			_	
		Ok Cancel		

22.6 Smart Snapshot Display

You need to set the snapshot attributes in the layout interface and then the relevant data can be viewed on the dashboard. The smart snapshot type includes face, license plate, human body, motor vehicle and non-motor vehicle. Please select them as needed.

		Smart Snapshot	
		(0) Age ((0) Mask H	[@] [@] Sender Glasses [@] [@] eadgear Hair
		Device Name_Camera01	10-19 14:01:33
	Layout ×		
E-Map	Preview		
E-Map Heat Map Monitoring			Ø
Smart Snapshot	Smart Snapshot		
Smart Snapshot			
Traffic Flow Statistics			
Traffic Flow Traffic Proportion Statistics of Each	Property Setting(Smart Snapshot) Smart snapshot display		
Remaining Parking Space	Face detection License plate detection Human body detection Motor vehicle detection Non-motor vehicle detection		
Remaining Parking Space	Smart Snapshot Channel		
	OK. Cancel		

22.7 Traffic Flow Statistics Display

You need to set the statistical type, auto refreshing interval and channel in advance. Please refer to Target Counting \rightarrow Task Management for details. Then set the layout of traffic statistics and display attributes.



22.8 Remaining Parking Space Display

Select the parking lot in the property area and then you can view the remaining parking lot here.



23 Troubleshooting

1. How to modify the password by yourself?

Login monitor client and then go to the User Management interface. Select the user to modify the password. Then click [Save].

* User Name admin		
* Password Modif	y Password	Modify Password ×
Role Super /	Administrator	ame admin
	* Original passv	ord Enter Password
Schedule 7*24	* Password strer	gth 🔾 Weak 🔾 Middle 💿 Strong
Bind MAC Address 00 :	00 : 00 : 00	8-16 characters; numbers, special characters, upper case letters and lower case letters must be included.
Remark	* Passv	ord Enter Password
ixerial K	* Confirm Passv	ord Enter Password
Create Security Questions / Answers Edit S	ecurity Questions	OK Cancel

2. The device information cannot be seen or the device is offline after the user logins.

1) Please checkwhether 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 checkwhether the media transfer server of the device has been started.

3. The alarm information cannot be received after the user logins.

1) Please checkwhether the schedule of sensor alarm, motion detection alarm and so on are set in the SPECO BLUE VMS 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.

4. The record cannot playback after the user logins.

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

2) Please checkwhether 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) Checkwhether there are record data in the playback channel and whether the record source and the start time and the end time of the playback is set up correctly.

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

5. The configuration of devices cannot be modified remotely after the user logins.

1) When the device configuration is required by the monitor client and prompts "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.

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

3. If you want to delete the files of a server, please stop the server first.

Model: SB01M

Federal Communications Commission (FCC) Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Responsible Party:

Speco Technologies 200 New Highway Amityville, NY 11701 www.specotech.com