

CMS User Manual

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Introduction

Overview

This document describes in detail the configuration and use of the CMS video management software.

Reader

This document is intended for professionals with technical expertise and versed in networking principles:

- Technical Support Engineer
- System Manager
- System Operator

Symbol Conventions

The following symbols may appear in this document, and their meaning is as follows:

Symbol	Description
	Alert you to a high risk hazard that could, if not avoided, result in death or serious injury $_{\circ}$
	Alert you to a medium or low risk hazard that could, if not avoided, result in moderate or minor injury.
	Alert you to a potentially hazardous situation which, if not avoided, result in equipment damage, data loss, performance deterioration, or non-anticipated results.
G≕ ª TIP	Provide a tip that may help in solving a problem or saving time.
	Provide additional information to emphasize or supplement important points in the main text.

Server Name

Acronym	Full Name	Note
CMU	Central Manager Unit	Central Management Server
MDU	Media Distribution Unit	Media Distribution Server
IAU	Intelligent Analysis Unit	Intelligent Analysis Server

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39.3 Person Over Temperature	
40 Thermal Image History	
41 Thermal Image Configuration	
42 Thermal Image Search	

1 Platform Description

The CMS Software platform can be used for video management or to monitor various elements such Face recognition, Temperature alerts, License Plate recognition, etc. It supports centralized management, distributed deployment, multi-user remote access. This includes user management, device management, server management, alarm management, map management, device configuration, real-time video, video playback, personnel archive management, data statistics, face recognition and other functions. This CMS software platform is designed to address a variety of video surveillance solutions.

1.1 System Functions

- Multiple front-end devices can be connected. Supported devices are IP Cameras, NVR, Face capture cameras, Thermometric Cameras.
- Centralized management and distributed deployment. Unified management of resources such as users and devices, and distributed deployment of servers.
- > Authority management. Different users can be assigned different access levels and rights.
- > Device management. Support automatic search, manual addition, batch import of devices.
- User rating management. Support the combination of administrative organization structure to achieve user hierarchical management. The supervisor can manage the other users.
- Organizational management. Users of a specific organization can be restricted to only view live video from their organization's cameras.
- > Real-time monitoring. Support multi-screen layout preview, round tour preview.
- Video playback. Support multi-picture video synchronous playback.
- > Video download. Support downloading NVR and DVR recordings to local clients.
- Map management. Support for electronic map-based video preview.
- Real-time alarm. Support alarm display of front-end devices.
- > Data statistics. It can count the alarm data of the platform equipment and online rate of the equipment.
- Personnel information management. The fundamental library for face recognition supports multi-level management and batch import.
- Face recognition comparison. The face of the face capture machine is displayed in real-time and determined by comparing with the fundamental library.
- Search by image. Support fuzzy logic search for faces and support for finding similar faces through faces registered in library.
- > Attendance management. Supports face library search for attendance.
- > AI recognition. Statistics of vehicle, human, etc.
- > Health archives. Manage the health information of personnel and show each person's temperature.
- > Vehicle identification. Real-time view of the vehicle license plate snapshot pictures.
- Attendance management. The face detection cameras can be used to manage employee attendance and face recognition, clocking in / out.
- Body temperature monitoring. Support human body thermometer to monitor body temperature in the face database creating a health archive for each registered individual.
- Thermal temperature management. Support for thermal imaging capture, snap search and historical retrieval.
- Monitoring center. Comprehensive monitoring center, visual comprehensive management interface, which mainly displays the current main data of the platform, conventional monitoring, AI intelligence, etc.

1.2 System Components

1.2.1 Central Management Server

The central management server contains the database for user, authority, device, server, alarm, electronic map, face database management functions; Running as a server, can be installed on a separate physical server, VM server or installed with other components.

Users must first connect to the central management server for permission authentication, and then connect to the media distribution server, intelligent analytics server to use the relevant features.

1.2.2 Database Server

The central management server and intelligent analysis server use the MySQL database storage system configuration; it runs as a service, and they are installed with the central management server software.

1.2.3 Media Distribution Server

The media distribution server forwards the audio and video streams of the device to the requesting user, ensuring high performance with end-to-end low latency; support running as a service, can be installed on a separate physical server or installed with other components.

When the media distribution server is installed separately on a server, the IP address of its central management server must be configured so that it can be managed by the central management server. The performance indicators of the media distribution server are as follows: Note: Requires Gigabit Ethernet port (NIC).

1							
Channel	Camera Bitrate	Input Bitrate	Output Bitrate				
200	4 Mbps	800 Mbps	800 Mbps				
400	2 Mbps	800 Mbps	800 Mbps				
500	1.5 Mbps	800 Mbps	800 Mbps				

Table	1-1	NIC	parameters
1 uoie	1 1	1,10	purumeters

1.2.4 Intelligent Analysis Server

The intelligent analysis server is used for face recognition applications; it only supports cameras with face detection capabilities; it runs as a service and can be installed on a separate physical server or installed with other components. For high performance requirements, it is recommended that the intelligent analysis server be installed separately on a physical server.

The V1.2 version of the intelligent analytics server only supports the following CPU's.

Reference:

Туре	Model	ROM	Channel of Face detection
CPU	Intel(R) Core i5-7500	8 G	1-3
СРИ	Intel(R) Core i7-8700	8 G	2-8
CPU	Intel(R) Xeon(R) cpu E5-2630 v4	16 G	4-10

In the same configuration, fewer accessed cameras, results to higher quality of real-time video. If the density of flow of people (human faces) is high, results to worse quality of real-time video. Adjust according to actual needs. This is only a reference, please refer to actual configuration parameters.

1.2.4.1 Server Management Tool

The server management tool is used to manage the platform server components, which exclude the client; displaying the running status of the component, it can also control the startup, stop, and deletion of a component; you can manually add the service. If the service component does not start normally, it will flash a reminder in the system tray to indicate a problem with the service. The tool will launch as soon as the installation is successful. As shown in figure 1-1.

EH	ServerManage	rTool		– ×
Se	erver Name	Status	File Path	
	Watchdog	Running	C:\Program Files (x86)\CMS\server\Watchdog.ex	e
	Database	Running	C:\Program Files (x86)\CMS\server\mysql\bin\my	/sqld.exe
	CMU	Running	C:\Program Files (x86)\CMS\server\CMU.exe	
	IAU	Running	C:\Program Files (x86)\CMS\server\IAU.exe	
	MDU	Running	C:\Program Files (x86)\CMS\server\MDU.exe	
<u><</u>	ustab da a			,
	Vatchdog ———			
	▶ Start	Stop 🔄	Regist 🗙 Delete 🌣 Config 🕇 Ad	dd Server 📑 Export Log

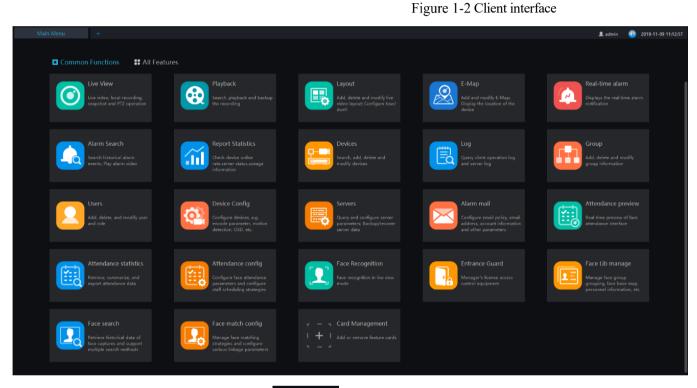
Figure 1-1 Server Management UI

1.2.5 Client

1.2.5.1 About PC Client

Currently, the client supports only Windows Operating System. This software is specially designed for video management. Users can remotely access real-time video and video recordings, and manage users, devices, servers, alarms, etc. and at the same time control devices. The client integrates standard users and administrators to facilitate unified resource management.

The user interface is illustrated below:



Additional features can be found by Clicking **# All Features** tab.



We will explore all available features in this manual.

1.2.5.2 About Mobile Client - To Be released in 2nd Q 2020

The Mobile client provides users with wireless-based video surveillance, allowing users to remotely access real-time video or recorded video (requires AI-NVR appliance), receive device alarms and control devices.

The interface will look similar to the images below and will be available in the Apple and Google store.



1.3 System Requirements

CAUTION OS Does Not support Microsoft Windows 32 bit anylonger.

Name	PC Client	Central Management Server	Media Distribution Server	An (C)	Intelligent Analysis Server (CPU environment)		lligent lysis Server U ronment)	
CPU	Intel® Core™ i5-7500 or better	Intel® Core [™] i5-7500 or better	Intel® Core [™] i5-7500 or better					
RAM	8 GB or more	4 GB or more	8 GB or more	8 0	B or more	8 G	B or more	
Network Card		_	Gigabit/s					
HDD	50 GB or Above	50 GB or Above 50 GB or Above 50 GB or Above					50 GB or Above	
OS	Microsoft® Windows® 7 Pro (64 bit) Microsoft® Windows® 10 Pro (64 bit) Microsoft® Windows® 10 Enterprise (64 bit) Microsoft® Windows® Server 2012 Microsoft® Windows® Server 2016							
Software	DirectX 11 or above							
Display Resolution	1600×960 and above ,default 1920x1080							
Video Card								
GPU							NVIDIA GTX 1050 or better	

1.4 Deployment Planning

The information contained hereafter is for administrators with IT knowledge, to understand the hardware platform requirements before installing, devising a deployment strategy according to different plans.

The CMS platform exhibits good scalability and supports three deployment methods.

- > Mini: All CMS platform components are installed on the same Computer.
- > Middle: The CMS client and server components are installed on different Computers.
- > Large: All CMS platform components are installed on multiple different Computers.

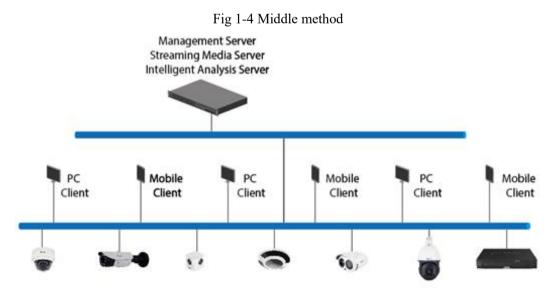
1.4.1 Mini (Standalone Deployment)

All CMS platform components are installed on the same Computer, including server and client components, for easy deployment suitable for small-scale installations and monitoring applications.



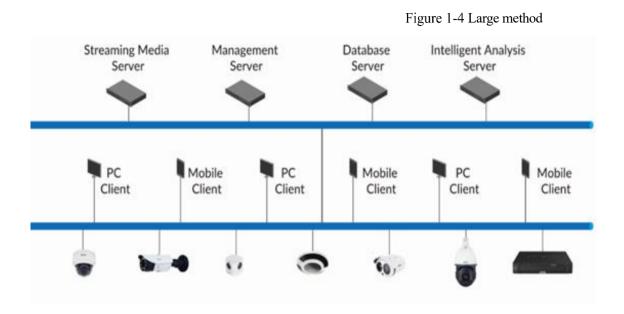
1.4.2 Middle (Distributed Deployment)

All Server components are installed in one physical machine and the client applications are installed in various client computers connected to the same network.



1.4.3 Large Method (Distributed Deployment)

If you are designing a large-scale system with multiple end points (i.e. cameras, NVR recorders, PTZ, etc.) you can install each server component on different computers improving performance and the client user interfaces are installed on multiple computers.



2.1 One-Click Installation

One-click installation is a simplified operation for the Mini type. The installation process does not require any configuration. The CMS platform is quickly installed on a single machine by default on the system drive C:\Program Files (x86)\CMS directory. After installation, the server component and client program are automatically started.



Figure 2-1 One click installation

2.2 Custom Installation

Custom installation supports flexible installation of the various CMS components. You can choose three installation methods, which correspond to the three deployment modes of the CMS platform as follows:

Mini method: All components of the platform will be installed on a single computer; This method is similar to the "one click installation".

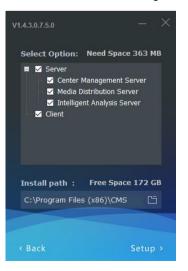


Figure 2-2 Installation interface

Middle method: The CMS Server and Clients applications are installed on different machines, using a distributed computer network environment.



Figure 2-3 Server installed on one computer Client installed on a different computer

> Large Method: All components of the platform are installed on different computers to form a larger distributed network environment.



After the CMS server is installed, you need to use the server management tool to configure the IP of the central management server, the media distribution server and the intelligent analysis server, which are all managed by the central management server. The CMS management tool is automatically displayed in the system tray after the system is installed. After displaying the main interface, select the corresponding service and click "Configure", as shown in figure 2-5.

If the installation is failed, it is recommended to close the firewall or antivirus software.

Upon running the CMS installation .exe file the progress indicator is shown followed by a successful completion dialog. Click "Finish" to display the login screen as illustrated below.

V1.4.3.0.7.5.0 - ×	V1.4.3.0.7.5.0 — ×	V1.4.3.0.7.5.0_20200325		×
1			👤 admin	
25%	\odot		8 •••••	*
Installing	Successful Install !	CMS	Ba 127.0.0.1	✓ 10086
			🗹 Remember Password	🗌 Auto Login
	Finish		Login	

The server management tool runs automatically after the server is installed.

The system tray icon is highlighted in the center **Control** Click to open the Server Management Tool dialog.

Figure 2-5 Server manager tool

Server Name	Status	File Path
Watchdog	Running	C:\Program Files (x86)\CMS\server\Watchdog.exe
Database	Running	C:\Program Files (x86)\CMS\server\mysql\bin\mysqld.exe
CMU	Running	C:\Program Files (x86)\CMS\server\CMU.exe
IAU	Running	C:\Program Files (x86)\CMS\server\IAU.exe
MDU	Running	C:\Program Files (x86)\CMS\server\MDU.exe
<	_	
Watchdog ———		

Using your mouse, right click to open the window where you can specify the IP address of the Server.

Manager Server IP:	127.0.0.1
Manager Server Port:	10086
	Apply Cancel

2.3 Retrieve lost password

Figure 2-6 GUID

🖵 Serverlana	gerTool					– ×
Server Name	Status	File Pa	th			
CMU	Running Running		S\server\CMU. S\server\IAU.e			
MDU Database Watchdog	Running Running Running	GUID	CMU_9C5C88C2	FF010 OK	l.exe	
<						>
CMN Start	Stop 🗐	₽Regist	X Delete	🗘 Config	+ Add Server	📑 Export Log

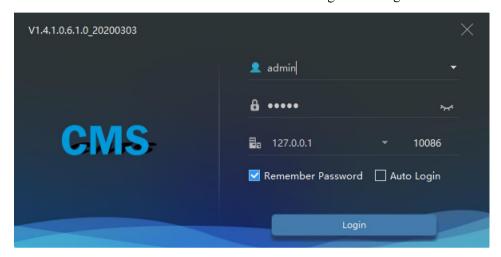
If the user forget the password, please provide the GUID to our technical support, and we will issue you a new temporary password valid for one day. User can use this temporary password to create a new password.

3 Login

Server installation is complete, double click on the desktop icon *log*, input the user name, password, and CMS server IP and click "Login". The login interface is shown in figure 3-1

The default user name and password are both admin. You should modify after first login to secure your system.

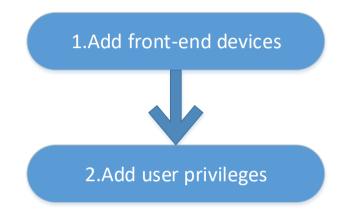
Figure 3-1 Login interface



4 Quick Start

Following the successful installation of both Server and Client components, the administrator can login to the system through the Client to quickly use the software platform as follows. The platform includes basic monitoring applications and smart applications. The smart applications are suitable for face recognition and supports our cameras equipped with built in face detection function, including face capture camera and thermometric cameras.

4.1 Monitoring Application Configuration Process



4.1.1 Add Front-end Device

Enter the main interface, open "device management, for the introduction of the function menu, you need to cut out the icon, now just a name and then directly interface, it seems more monotonous", if the device and the platform are in the same network segment, you can quickly add by automatic search Equipment, as shown in Figure 4-1:

Filter No. D	09109100						~								
No. D	007007-005						ų	Auto Search	+ Add Devi	ce 🗙 Delete 🛓	Import	1	ixport (D Device	Stat
	Vevice Name	IP/ID/URL	Device Type	Model	Online !	Group	Chan	Protocol	MAC	Server	Ope	ration			
1 15	82116610-210	192188-10210	Body-Temp		i Oulier			Private Proto-	001027466	MU_1270.51,MDU.A.	- 4	×	6		
2 11	12.168.10.208	192,168,10,208	Body Temp	SN-TSL/13	• Online	Default		Private Proto	00102712	18U_127.0.0.1,MDGA	- 4	×	0		
I D	evice	192,168.0.121	INVE	NVR2508E2-PRE	• Online	Delault		Private Proto	001E44.00_	SAUMOT configured	4	×	9		
	92.168.0.12	192168.0.12	licheve	IPV57/806CDR/_	• Online	Default		Private Proto-	0010-27.34	MUNICE Support MD.	1	×	@		
5 Q Au	to Search													×	
	me admin	Pa		. w	IP Address							Qst	art Search		
7 0 🗆 N	la. Device	Name	IP Addre	ts MAC		Device	Type	Mode	el	Channel	Result				
9															
	ice types	 All connect re 		encrypted * Av	Juble 0 Se	lected 0					Ad	ы	Cance		

Figure 4-1 Add device

After selecting the device, click "Add" and the camera is registered on the specified server.

4.1.2 Add User Permissions

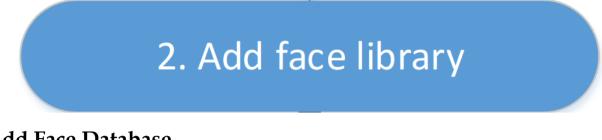
Initially, the system allows administrator and operator roles by default. You can create users based on the default roles directly. You can assign menu permissions and channel permissions to users. As shown in Figure 4-2:

The monitoring application does not have to assign personnel file permissions, which is used for smart (face recognition) applications.

+ Add User			×
Username		Password	<u>م</u> برد
Role Name	Administrator		Default 👻
Remark			
Menu Privile	ge Channel Privileg	je Face Lib Privilege	
🗹 Select All			
🗹 Live View	🗹 Playback	🗹 Devices	🗹 Layout
🗹 Log	🗹 E-Map	🗹 Real-time alarm	🗹 Group
🗹 Users	🗹 Alarm Search	🗹 Report Statistics	✓ Face Recognition
🗹 Device Config	Servers	🗹 Temperature Search	h 🗹 Al Recognition
🗹 Health Archive	es 🔽 Vehicle identify	/ 🗹 Entrance Guard	🗹 Face Lib manage
🗹 License plate i	manage 🛛 🗹 Face search	🗹 License plate search	h 🗹 Person and car search
🗹 Face match co	onfig 🛛 🗹 License match	config 🛛 🗹 Temperature config	y 🗹 Alarm mail
🗹 Thermal imag	e config 🛛 🗹 Thermal image	e search 🛛 🗹 Thermal image hist	ory 🗹 Attendance preview 🖕
		Save an	d New Add Cancel

Figure 4-2 Add user

4.2 Intelligent Application Configuration Process



4.2.1 Add Face Database

This function is used with cameras which support face detection.

Enter the main interface, open "Archives Library" > "Face Library", you can add a face library database, as shown in Figure 4-3.

+	AddLib				×
	Library Name				
	Face Library	🛔 Default Library	y	•	
	Remark				
		Save and New	Save	Cancel	

Figure 4-3 Add face library UI

After selecting the face library, you can add personnel information regarding the individual you are enrolling in the database

You should select a portrait style photo, as shown in Figure 4-4

The following types of files are accepted: jpg, bmp, png.

File size cannot exceed 2MB.

2	Person Info Edit			×
	Name	Thomas Stewart		
	Gender	Male		
	Birthday	2000-01-01		
	ID Card	123		
	Туре	Employee		B
	Face Library	🛔 Default Library		
	Valid Time	Permanent validity		
	Remark			
	Picture			
	🗃 Select File			
	🖻 One key photo			
		Save	С	ancel

Figure 4-4 Person enrollement

4.2.2 Add User Permissions

Refer to 4.1.2 , However, if you need to assign different personnel file permissions to different users, you need to assign the file permissions after assigning channel permissions. As shown in Figure 4-5.

				-	
+	Add Role				×
	Role Name		Remark		
	Group	Default 🔹			
	Menu Privileg	ge Channel Privilege	Face Lib Privilege		
	🗹 Select All				
	🗹 Live View	🗹 Playback	🗹 Devices	🗹 Layout	î
	🗹 Log	🗹 E-Map	🗹 Real-time alarm	🗹 Group	
	🗹 Users	🗹 Alarm Search	Report Statistics	✓ Face Recognition	
	🗹 Device Config	Servers	🗹 Temperature Search	🗹 Al Recognition	
	🗹 Health Archive	s 🗹 Vehicle identify	🗹 Entrance Guard	🗹 Face Lib manage	
	🗹 License plate n	manage 🛛 Face search	🗹 License plate search	🗹 Person and car search	
	🗹 Face match coi	nfig 🛛 🗹 License match con	fig 🛛 🗹 Temperature config	🗹 Alarm mail	
	🗹 Thermal image	e config 🛛 Thermal image sea	arch 🗹 Thermal image histo	ory 🗹 Attendance preview	
	☑ Attendance sta	atistics 🛛 Attendance config	✓ Traffic statistics	✓ Temperature statistics .	•
			Save and	New Add Car	ncel

Figure 4-5 Add role

5 Main Menu Page

The user enters the function page directly after logging in for the first time, as shown in the figure.

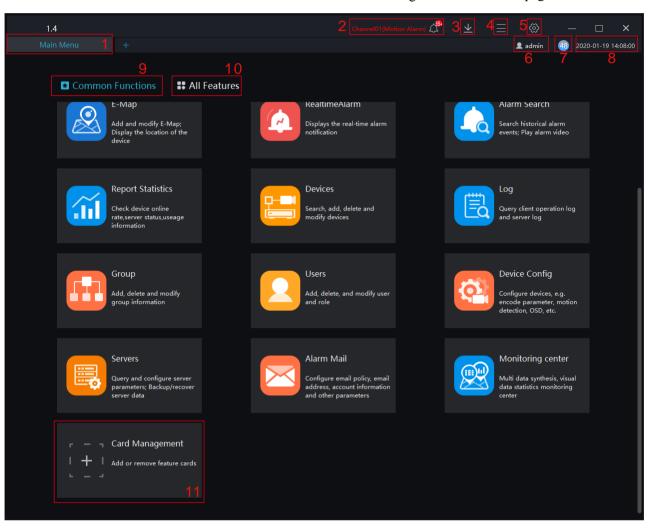


Figure 5-1 Main menu page

G=[™] TIP

Click the function in the display area to view the corresponding function module separately. Click to drag outward, the function page can be displayed in multiple screens, which is convenient for multi-page and multi-window to view detailed information.

No.	Function	Description
1	Main menu page	Main page, user can choose any of the available function
2	New	Click and built a new main menu page (user defined menu)
3	Alarm Message	Alarm message reminder, click for the real-time alarm interface directly; For more details please refer to Chapter Real-time alarm.
4	Backup	Backup function: Click to display the list of backup tasks and backup history.
5	System Settings	Click to enter the system configuration, you can set the basic settings, file path, hotkey setting, snapshot setting, log export as shown in Figure 5-2. Click the drop-down menu to select a specific setting. Click "Save" to save the relevant settings.
6	Operator Settings	Admin Admin Lock Screen F10 User: Switch users and modify passwords. Lock screen: Click to lock the screen, enter the password to unlock the lock screen, and the password is the login password. Language: there are nine languages can be chosen. Help: Click to go to the help page for instructions. About: Platform version information.
7	Run status	Show CPU and RAM running status and utilization.
8	Date and Time	Current Date and Time.
9	Main Function display area	 Basic function: Live View, Playback, Layout, E-map, Real-time Alarm, Alarm Search, Report Statistic, as shown in Figure 5-3. Configuration Maintenance: Devices, Log, Group, Users, Device Config, Servers, Alarm Mail, as shown in Figure 5-4. Face Recognition: Face Recognition, Face Library Manage, Face Search, Face Match Config, Classification Data Query, as shown in Figure 5-5.

No.	Function	Description
10	All Features	All function modules are displayed, and the function interface is quickly entered. You can drag the function module to change the placement position.
		License Plate Recognition: Vehicle Identify, License Plate Manage, License Plate Search, License Match Config, as shown in Figure 5-6.
		Multi-target Recognition: AI Recognition, Person and Car Search, Traffic Statistics, as shown in Figure 5-7.
		Attendance: Attendance Preview, Attendance Statistics, Attendance Config, as shown in Figure 5-8.
		Temperature Monitor: Temperature Search, Health Archives, Temperature Config, Temperature Statistics, as shown in Figure 5- 9.
		Thermal Imaging: Thermal Image Config, Thermal Image Search, Thermal Image History, as shown in Figure 5-10.
11	Card management	Add or remove feature card to common functions interface, as shown in Figure 5-11

Figure 5-2 System Setting

⟨⊙⟩ System Config				×
Basic Setting	Base Setting			Î
File Path	Remember Password	🗌 Auto Login	Automatic Startup	
(Key) Hotkey Setting	Alarm Message	Alarm Message 🗸		
Horkey Setting	Flicker Widget	🗌 Max Widget	Delay Widget	1
i Snapshot Setting	🗌 Open Alarm Dialog			
Log Export	Alarm Sound	Ignore 🔻		
	Language	English -		
	Home Page	Show Preview Page	Restore Preview Layout	
	Video Proportion	Original Proportion	O Full Screen Proportion	
	Decoding Method	Hardware Acceleration		
	Default Stream	Adaptive 👻		
			Default Save Cancel	

Click on system setting to invoke the dialog illustrated above. Here you can select basic settings including system units (Temperature C/F, distance mt/ft) file path, Hotkey and Snapshot settings, or export a system log.

The following illustrations denote the different categories and functions available in the CMS interface.

				Figure 5-3 E	Basic Functions	
🖈 Commo	on Functions 🛛 🚼 All F	eatures				
Basic Function						
\bigcirc	Live View Face recognition in live view mode		Play back Search, playback and backup the recording		Layout Add, delete and modify live video layout; Configure tour/ dwell	0
	E-Map Add and modify E-Map; Display the location of the device		RealtimeAlarm Displays the real-time alarm notification		Alarm Search Search historical alarm events; Play alarm video	
	Report Statistics Check device online rate,server status,useage information		Monitoring center Multi data synthesis, visual data statistics monitoring center			

Figure 5-4 Configuration Maintenance

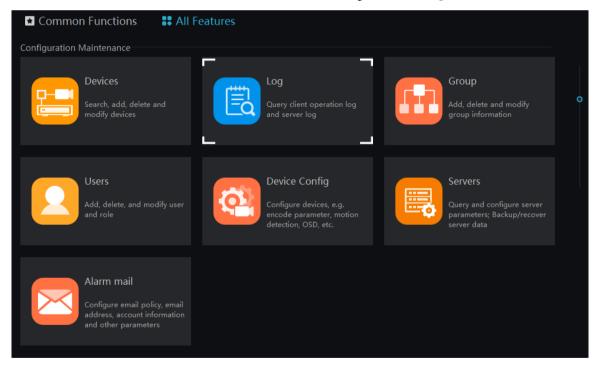


Figure 5-5 Face Recognition

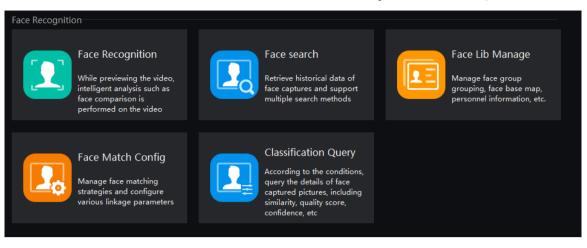


Figure 5-6 License Plate Recognition

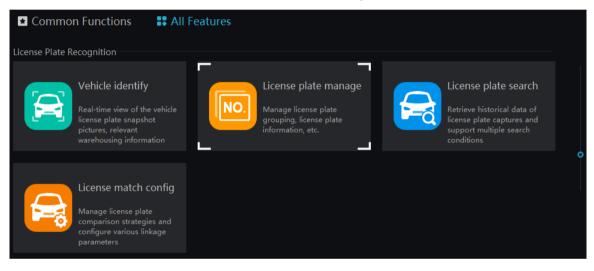


Figure 5-7 Multi-target Recognition

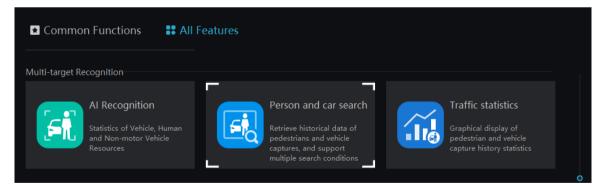


Figure 5-8 Attendance

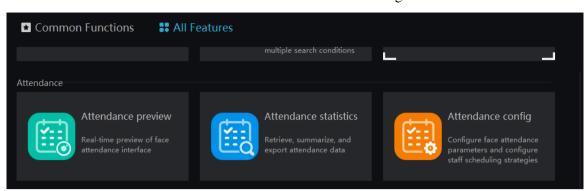


Figure 5-9 Temperature Monitor

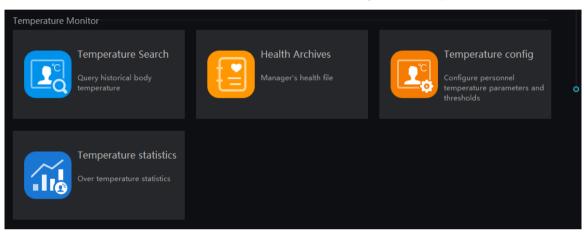


Figure 5-10 Thermal Imaging

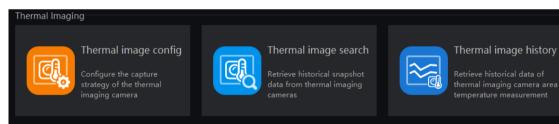
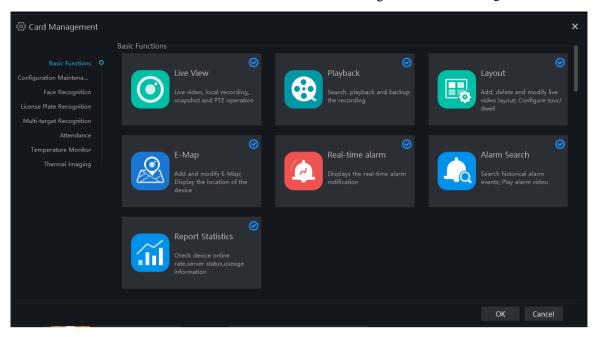


Figure 5-11 Card management



6 Devices Management

At the device management page, you can add devices (such as IPC, DVR, NVR) by searching automatically the network, or manually adding devices or batch importing. The platform supports several device types: IP Cameras, DVR, NVR, thermal imaging camera, face capture camera and thermometric camera devices. Please consult with our sales department for supported devices and model numbers.



On the Main menu page, click on Devices Icon to invoke the Device Management page, as shown in Figure 6-1

	es 🛞 Mair	n Menu 🛛 🛞									👤 admi	in 👍	2019-04-24 09:12
7 Filter							1 a	Auto Search	+ Add Devi	ce 🗙 Delete 🕁 I	Import I	⚠ Export	 Device Stat
] No.	Device Name	IP/ID/URL	Device Type	Model	Online §	Group	Chan	Protocol	MAC	Server	Operat	tion	
	192.168.10.189	192.168.10.189	Speed Dome	IPS57/30BDR/Z	= Offline	Default		Private Proto	00:1C:27:57:	IAU:Not Support,MD	. Z :	× 🗇	
	Device	192.168.10.209	NVR	NVR2504E1-P4E	Online	Develop		Private Proto	00:1C:27:0E:	IAU:not configured,M.	🔺 🗄	×	
	192.168.10.208	192.168.10.208	Body-Temp		Offline	Default		Private Proto		IAU_127.0.0.1,MDU:A	. 🔺 :	×	
	192.168.10.210	192.168.10.210	Body-Temp	SN-T5/13	= Offline	Default		Private Proto	00:1C:27:FF:F	IAU_127.0.0.1,MDU:A	. 🔺 :	× @	
		192.168.0.151	Thermal Ca		= Offline	Default		Private Proto	00:1C:27:45:	IAU:Not Support,MD	. 🔺 :	× @	
	192.168.2.201	192.168.2.201	Thermal Ca	SN-TPC6401AT/	= Offline	Default		Private Proto	00:1C:27:FF:F	IAU:Not Support,MD	. 🔺 :	× @	

Figure 6-1 Device Management interface

Table 6-1	Device	Management
$1 able 0^{-1}$	DUVICE	Wianagement

No.	Function	Description
1	Operation	Search, add, delete, export, import devices, Status of All devices.
2	Device information display	Details of device, operating device: edit, delete device, quickly enter to device configuration.
3	Filter	Filter the device by setting device type, online status and device name.
4	Page	Device display page, next page, quantity, status.

6.2 Auto Search

Requirement: The edge devices and the server are both on the same network segment.

Procedure:

Step 1 : On device management page click

Q Auto Search to display the auto search page ,as shown in Figure 6-2.

Figure 6-2 Auto search page

Username	admin Pas	sword ••••	IP Address ہے				Q Start Searc
🗆 No.	Device Name	IP Address	MAC	Device Type	Model	Channel	Result
□ NO.	Device Name	IP Address	MAC	Device Type	Model	Channel	Result

Step 2 : Input the user name and password of the device and set the IP address range (start ~ end) to filter.

Step 3 : Click "Start Search", any compatible devices on the same network will be automatically found and the search results will be displayed on the current page.

Step 4 : Select the number of the desired device and click "Add". After finished, the device is displayed in the list.

G<u>←</u>^ TIP

Many devices can be added to the list, but some devices may fail to connect, either due to an incorrect password or some other settings. In such case modify the settings of device manually by right click on the selected device.

6.3 Manual Add

- Add Device

Step 1 Click

at device management page, get into manual add device page, as shown in Figure 6-1



Figure 6-3 Manually add device page

\triangle caution

The intelligent analysis server does not support auto, only supports cameras with face detection; The media distribution server supports automatic, such as multiple media distribution servers for load balancing.



Step 2 Input the device name, select the device type, input the IP address/user name/password, and select group

Step 3 Click "test" to check your settings, click "Save and New"

- Step 4 Pop-up window show "Add successfully", device is displayed in the device management page (device details are displaying on the page at the same time).
- Step 5 Delete the cameras: tick the No of cameras, click "Delete" to show , click " OK " to delete the cameras.

6.4 Export and Import Device

Procedure:

Step 1 Click "Export".

Step 2 Click "Export Template", edit information at template page.

Step 3 Click "Import".

Step 4 Select files to be imported , click "Save", import device successfully.

--End

6.5 Device Status Procedure:

Step 1 Click "Device Status".

Step 2 The pop-up window show the status of devices as shown

Step 3 Click "Export".

Step 4 Set the save folder to save the status log.

--End

Devic	ce Status							×
No.	Device Name	IP Address	Device Type	Online Status	Channel	MAC	Record Status	Last Record Time
	192.168.10.208	192.168.10.208	Body-Temp Detector	Online		00:1C:27:12:C8:39		
⊞ 3	Device	192.168.0.121	NVR	Online		00:1E:A4:00:25:14		
	192.168.0.12	192.168.0.12	Fisheye	Online		00:1C:27:34:32:44		
		192.168.0.137	Fisheye	Offline		00:1C:27:12:36:5F		
	192.168.0.133	192.168.0.133	Multiobjective Camera	Offline		00:1C:27:CC:AA:B1		
		192.168.0.130	Fisheye	Online		00:1C:27:46:12:56		
	192.168.10.132	192.168.10.132	Speed Dome	Online		00:1C:27:20:10:06		
	192.168.0.46	192.168.0.46	Speed Dome	Online		00:1C:27:12:4F:AD		
	192.168.32.125	192.168.0.153	Speed Dome	Online		38:C2:BA:00:03:4F		
			Speed Dome	Offline		00:1C:27:15:09:34		
1<	$\langle 1 \rightarrow \rangle$	20 -	Total : 11					t Export



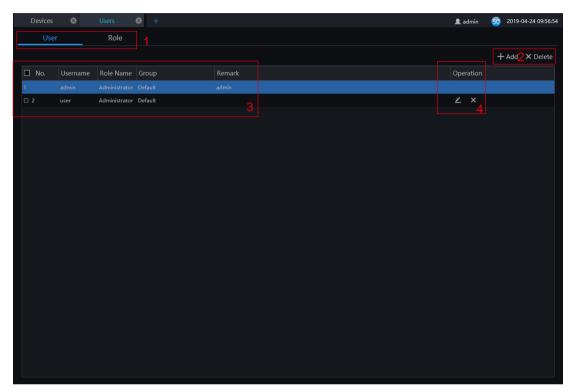
7 User Management

At the user management page, you can add users /modify user privileges/search/delete users through user management interface. System has default full administration and limited operator privileges



On the main menu page, click on Users icon to invoke the user management interface as in Figure 7-1.

Figure 7-1 User management interface

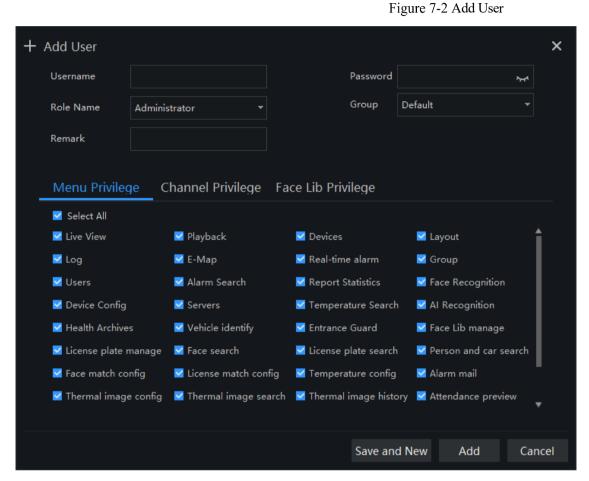


No.	Function	Description
1	User and role	Choose user name and assign a role to operate the system.
2	Add/Delete	Add/delete user or role.
3	Display area	Display user/role information
4	Edit/Delete	Click edit/delete icon to operate current roles or users

7.1 Add User

Procedure:

Step 1 At the user management interface, click "Add" to add user.



Step 2 Input user name, use only English Letter characters and numbers, no special characters allowed. User name can be set as "Administrator" or "Operator".

Step 3 Set login password and assign a group.

Step 4 Select menu privileges, channel privileges and face library privileges (The default is all selected).

Step 5 Click "Save and New" or "Add" to save and add user, it will display a pop up dialog "add successfully".

7.2 Add Role

Procedure:

Step 1 At the user management interface, click "Role Name" to get the below interface

Figure 7-3 Role interface

User		Role		
				+ Add 🗙 Delete
🗆 No.	Role Name	Group	Remark	Operation
	Administrator	Default	Administrator	
	Operator	Default	Operator	
3				

Step 2 Click "Add", input role name, select organization, shown as figure 7-4.

+	Add Role								×
	Role Name				Remark				
	Group	Default	• •						
	Menu Privileg	je C	Channel Privilege	Fac	e Lib Privilege				
	🗹 Select All								
	🗹 Live View		🗹 Playback		Devices		Layout	í	ì
	🗹 Log		🗹 E-Map		Real-time alarm		Group		
	🗹 Users		🗹 Alarm Search		Report Statistics		Face Recogniti	on	
	🗹 Device Config		✓ Servers		Temperature Sear	rch 🔽	AI Recognition		
	🗹 Health Archive	s	🗹 Vehicle identify		Entrance Guard		Face Lib mana	ge	
	🗹 License plate n	nanage	✓ Face search		License plate sear	ch 🔽	Person and ca	r search	
	🗹 Face match coi	nfig	🗹 License match confi	ig 🔽	Temperature conf	ig 🔽	Alarm mail		
	🗹 Thermal image	config	🗹 Thermal image sea	rch 🔽	Thermal image his	story 🔽	Attendance pre	eview	I .
	☑ Attendance sta	tistics	☑ Attendance config		Traffic statistics		Temperature s	tatistics	,
					Save an	id New	Add	Can	icel

Figure 7-4 Add role

Step 3 Choose menu privileges, channel privilege, face library privilege.

Step 4 Click "Save and New" to save current settings. Click "Add" to add user successfully.

Step 5 Added role will display in the interface, click "edit" or "delete" icon to operate roles.

8 Live view

At live view interface, you can watch the real-time video, real-time cruise video, local video, set screenshot, open the audio, start the voice intercom, zoom in the video, switch the code stream, save the layout, 3D positioning, and control the PTZ. The right-click menu can quickly set video parameters.



On the main menu page, click on Live View Icon to invoke the Live View user interface, as shown in Figure 8-1

G<u>er</u>t TIP

System can support opening up to 4 live view windows simultaneously. Use the mouse to drag out any window, convenient for multiple screens displayed simultaneoulsy.

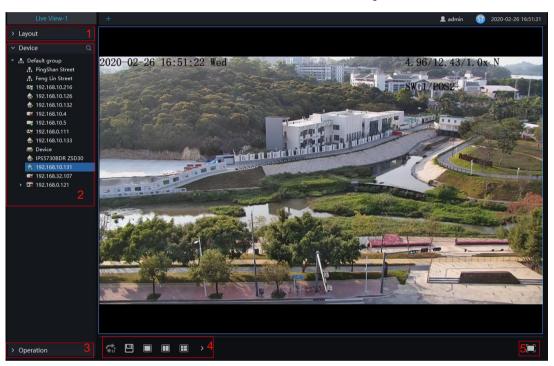


Figure 8-1 Live view UI

Table	8-1	Live	view
1 aoic	01	LIVU	10.10

No.	Function	Description
1	Layout	Video display format, add the layout.
2	Operation	Set dome device PTZ/ Image parameter.
3	Video display layout	Start the cruise, save the current layout, single screen, four screens, support maximum 64 screens
4	Operation	Set dome device PTZ/ Image parameter.
5	Full screen	Full screen

8.1 Layout

"Layout function interface" can be used to add layout to bind the channel and window, enter "Function preview interface" click layout list, the complete layout list will be shown, double click a layout name, real-time videos of all the channels in this layout will be displayed.

8.2 Device

Display the device list under current user account, users can watch the real-time video by double clicking or dragging and dropping the mouse at online channel.

8.3 Operation

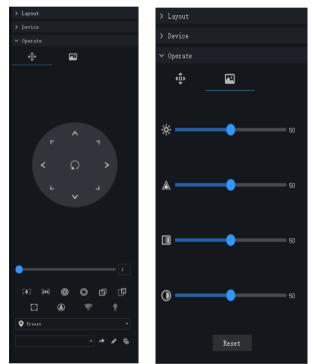
This function is only available for the dome product with PTZ, support direction controlling, presetting location operation and cruising operation.

PTZ Operation: adjust the PTZ full-scale movement, lens zoom, edit and control, zoom in, zoom out, IRIS increase and decrease, near focus, far focus, focus, orientation, and wiper, turn on the light.

Cruise: cycle the preset positions according the order.

Preset position: set the preset position name and set the current position as the preset position to facilitate the cruise operation.

Image operation: adjust image brightness, sharpness, saturation and contrast. The default values are all 50. Focus is changed by dragging the right side of the slider or clicking the left and right axes to change the value, the range is 0-100.



9 Playback

At the playback function interface, the video from the front-end device can be played back and backed up, support multiple channels synchronous playback, support playback control operations.



On the main menu page, click the Playback Icon to invoke the Playback user interface, as shown in Figure 9-1

Figure 9-1 Playback interface

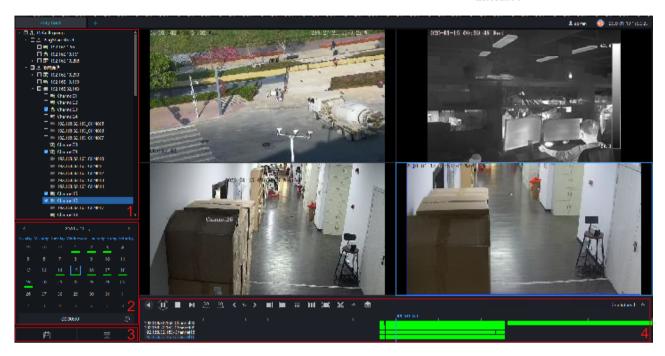


Table 9-1 Playback

No.	Function	Description
1	Device	Show devices on the platform as organizational structure
2	Calendar	Display date, there is a green bar below the date to indicate that there is a recording on this date. Positioning can manually enter the time and position.
3	Operation	Close or open the calendar/ Video grid

No.	Function	Description
4	Toolbar operation	Video operation: operation, timeline, display. For example
		Rewind
		, Pause/Play
		, Stop
		Next frame
		30. 30 Backward 30s/ Forward 30s
		, Speed Multiplier, slow release, fast release
		Layout display
		, Full screen
		, Download back up device video, specific steps please refer to chapter 9.3
		Batch backup, choose multiple channels to backup the video.
		^{1Day} , Select progress bar format

Figure 9-2 Batch backup

📚 Batch backup		×
Stream	Sub Stream	•
Start Time	2020-01-19 14:49:38	•
End Time	2020-01-19 15:49:38	•
Device	 Default group PingShan Stre PingShan Stre PingStre PingStre	
	OK Can	cel

Figure 9-3 Video grid

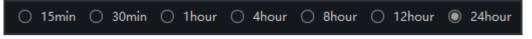


9.1 Playback the Device Video

□ **Procedure:**

Step 1 Select display layout mode, support multiple devices synchronous playback

- Step 2 Select the device in the device list that needs to be played back, video at the current time will be automatically queried and played back
- Step 3 Select the way as shown in the picture on the timeline ,can play back the video by selecting different progress bar formats.



Step 4 Select the operation tool in the toolbar to watch the video playback according to one's needs.

9.2 Back up the Device Video

Procedure:

Step 1 Click , the video starts to back up, the icon the video quickly, download the video with MP4 format.



shows, drag the time scale can copy

Step 2 Click the checkmark to complete the selection and copy of the video, and jump to the download interface as shown in Figure 9-4

Backup Ta				
Вас	kup Backı	up History		
			Continue	se 🗙 Delete
🗆 No.	Channel Name		Remark	gress Status

Figure 9-4 Download interface

1. Click "Downloaded" on the top right corner of interface to view the start and end time of the downloaded video, and the store path.

Figure	9-5	File	path
--------	-----	------	------

(1) Basic Setting	File Setting		^
	Picture Save Path	C:/Users/Administrator/AppData/Local/Sunview/snap	-
(B) File Path	Video Save Path	C:/Users/Administrator/AppData/Local/Sunview/record	=
(Key) Hotkey Setting	Hotkey Setting		
i Snapshot Setting	Function		- I
	Help Documentation		
1 Log Lapon			
	Playback		
	Real-time Alarm		
	System Configuration		
	User Management		
		Default Save Ca	ancel

10 Real-Time Alarm

At the interface of real-time alarm, alarm information from the front-end equipment in real-time could be received, and enabled to handle single or batch of alarms.



On the main menu page, please click Real Time Alarm icon to invoke the user interface as shown in Figure 10-1

Figure	10-1	Real-Ti	ne alarm
interface			

							👤 ad	lmin	58 -	2019-04-	24 15:04:
							2	🖹 Ala	rm Proc	essing	🛈 Cle
	Alarm Time	Device	Channel	Alarm Type	User	Alarm Statu: Remark	Ope	ration			
								٦			
20327	2019-04-24 15:0	Device	Device_CHN003	Motion Alarm		Unprocessed	∠	Þ	D1		
	2019-04-24 15:0	Device	Channel02	Motion Alarm		Unprocessed	∠	ð			
20325	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	ß	□¤		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠	ß	□ 1		
	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	2	ß	□¤		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	ē	□ 3		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	ß	□¤		
	2019-04-24 15:0	Device	Channel01	Motion Alarm		Unprocessed	2	Þ	□ 3		
	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	2	Þ			
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	٦			
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	Þ	□ 1		
	2019-04-24 15:0	Device	Channel01	Motion Alarm		Unprocessed	2	Þ	□ 3		
	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	2	Þ	□¤		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	2	Þ			
	2019-04-24 15:0	Device	Device_CHN003	Motion Alarm		Unprocessed 1	2	Þ			
20212	2010-04-24 15-0	Davica	Channel02	Motion Alarm		Unprocessed	/	151	<u>г</u> 3		

Table 10-1 Real-time alarm

No.	Function	Description
1	Alarm display area	Display alarm related information.
2	Alarm processing.	Process the specified alarm information, click 'clear', the current alarm will be cleared.
3	Alarm operation	Alarm processing, video of alarm playback, live video.
4	Interface display.	Quantity of the current page's alarms
5	Toolbar alarm shortcut settings.	Quickly display the real alarm message and content settings.

Procedure:

Step 1 Click the real-time icon at the main menu page to enter the detailed page, and you can access quickly by

clicking

icon in the upper right corner of the screen.

Step 2 Select the alarm information, click "Alarm Processing" in the upper right corner, and a pop-up window will be displayed, which can be set according to the actual situation, when the processing is completed, the status will change to "processed".

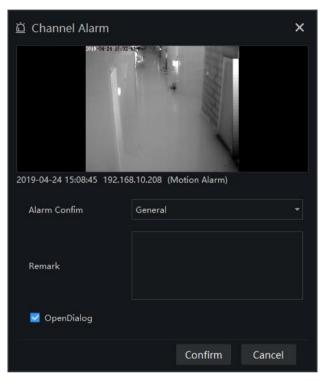


Figure 10-2 Alarm process

- 1. Click **I** to play back the alarm occurrence video for 30S.
- 2. Click to view live video of the alarm device.

11 Alarm Search

At the interface of Alarm Research, the follow-up date of historical alarm, alarm type, processing status, name of device could be retrieved, and enable to process the search results single or batch individually.



On the main menu page, click on Alarm Search icon to invoke the user interface as shown in Figure 11-1

Figure 11-1 Alarm search interface

	rch 🛞 Mair	n Menu 🛛 🛞						👤 admin	57	2019-04-24 15:54:3
Alarm Type	Channel Alarm	✓ Select All	~ 4∣	arm Status Unprocess 🔻 Time	2019-04-23	15:35:46~2019-04-24 15:35:44	5 📋 Device Name		\$ \$	earch 2 🖻 Proces
🗆 No.	Alarm Time	Device	Channel	Alarm Type	User	Alarm Statu: Remark		Operatio	n	
	2019-04-24 15:3	192.168.10.208	_CH2	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ©	<u>+</u>	
	2019-04-24 15:3	Device	Channel01	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©		
□ 6	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ©	$\underline{+}$	
	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
8	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed		∠ ⊡	$\overline{+}$	
	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©	≯	
□ 10	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©		
□ 12	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ⊡	$\overline{+}$	
	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed		∠ ©		
□ 16	2019-04-24 15:3	Device	Channel01	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©	<u>+</u>	
□ 18	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ₪	$\underline{+}$	
	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	<u>+</u>	
□ 20	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed 👌		∠ ©	<u>4</u> <u></u>	
		>I 20	▼ Total : 70	⁵³ 5						

Table 11-1 Alarm search

No.	Function	Description
1	Search condition	User set the search condition, choose alarm type, alarm status, set time of searching
2	Search/Process	Click the icon to search or process the alarm
3	Search results	Results of searching
4	Operation	Edit, playback, process, backup task
5	Interface display	Show the current page of the alarm, and the page displays the number of alarms, switch to next page to show alarm information

The processing status of the temperature alarm will affect the alarm statistics. Only the manual processing of related alarm information over-temperature statistics can be accurate.

12 Layout Management

At the interface of layout management, adding the binding of the channel to the window and setting the polling interval are available. The layout will display on the interface of "Preview" .It helps more convenient for video monitoring.

On the main menu page, click on Layout icon to invoke the user interface.

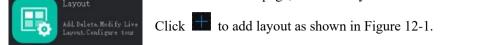


Figure 12-1 Layout management interface

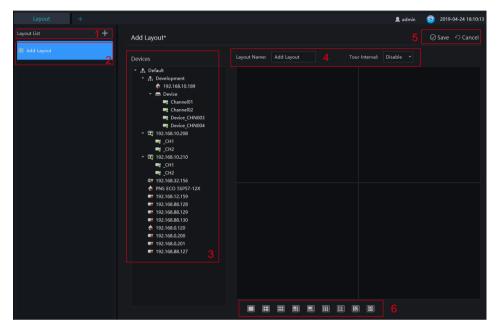


Table 12-1 Layout management

No.	Function	Description
1	Create new layout	Click +, or the huge " +" icon to create new overall arrangement
2	Previous layout	Click the precious layout, user can edit or delete the layout
3	Device information display.	Click and drag the device to place it in the display area to start the arrangement
4	Arrangement	Edit layout name and setting tour interval.
5	Save setting	Save, cancel new arrangement settings
6	Display mode	Choose video display mode.

Procedure:

- 1. Click the layout list to create a new layout.
- 2. Input the name of the layout and select the window layout.
- 3. Set tour interval.
- 4. Choose and hold the mouse to set the channel to display at layout window, you could bind multiple channels at the same window and enable tour interval, so that users view several cameras.
- 5. Click "Save" to save settings.

13 E-Map

At the interface of electronic map, you can set map that the system supports JPG, PNG, BMP. It supports multi-level sub maps, which makes it easy for monitoring sites on the map.



At new function page, click on E-Map icon to invoke the user interface as shown in figure 13-1.

E-Map editing function only admin user is authorized, other users do not have the authority to make changes.

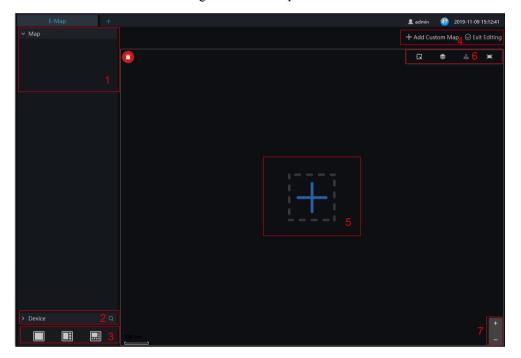


Figure 13-1 E-Map interface

No.	Function	Description
1	Map Display List	Setting map of devices' layout
2	Device	Details of map
3	Video Display	Map and layout of video display
4	Add map	Add custom map, edit the maps
5	Zoom in/ zoom out	Zoom the map to set monitoring points
6	Operation of Map	User can operate the devices of map.
7	Zoom in/zoom out	

13.1 Add Electronic Map

Procedure:



, the interface will be shown as below.

+ Add Map	×	+ Add Map	×
Мар Туре		Мар Туре	
World Map	-	Custom Map	-
Data sources		Map Name	
OpenStreetMap	•		
Online/Offline map		Map Path(Recommended resolution 1024*768)	
Online	•		-
Cor	nfirm Cancel	Confirm	Cancel

Step 2 Input the map name and choose map path, we provide the open street map and custom map

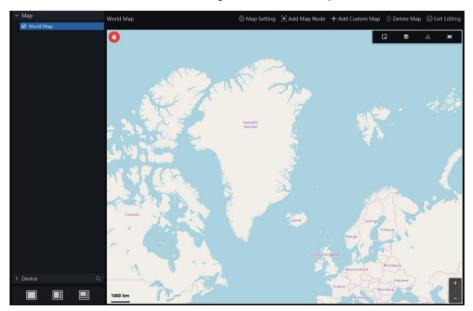


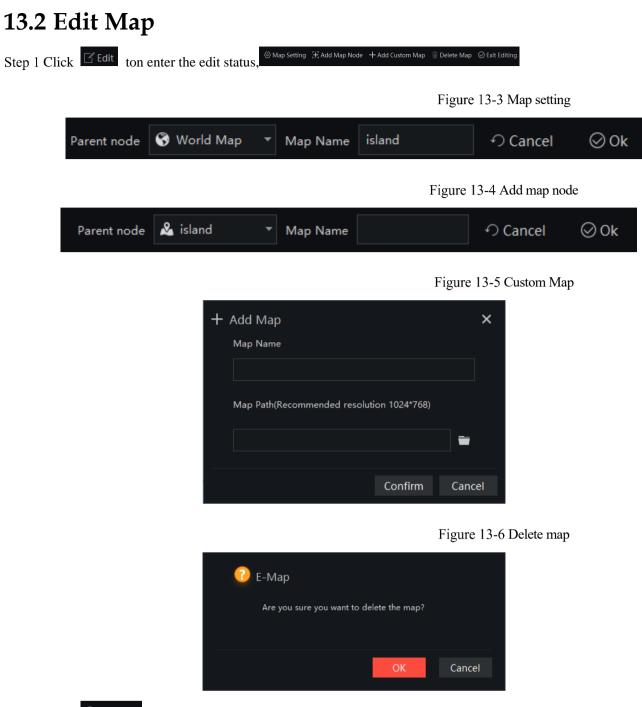
Figure 13-2 World map

Step 3 Click "Confirm" to save the map.

We can create the sub map below the world map. Roll and drag the world map, choose the detail area to create sub map.

Click Concert Map Node to create map node, Parent node World Map Map Name Ocancel Ook set the node, click OK to save the settings.

Drag cameras to map as actual deployment. The current live video can line to the camera of map.



Step 2 Click © Exit Editing

to save the edit.

13.3 Deploy Monitoring Site

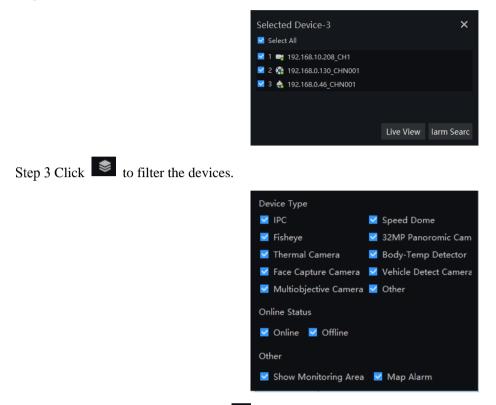
Procedure:

- Step 1 If cannot be edited, please click editing icon to switch to editable.
- Step 2 Select the map for monitoring deployment
- Step 3 Drag camera icon on the map with mouse, the monitoring direction and the size of area can also be controlled with mouse.

13.4 Quick Navigation

Step 1 Click 🔹 at 🔍 🛎 🔺 tar.

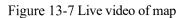
Step 2 Drag mouse to select the area, and the resulte shows on pop-up window, as shown in figure.

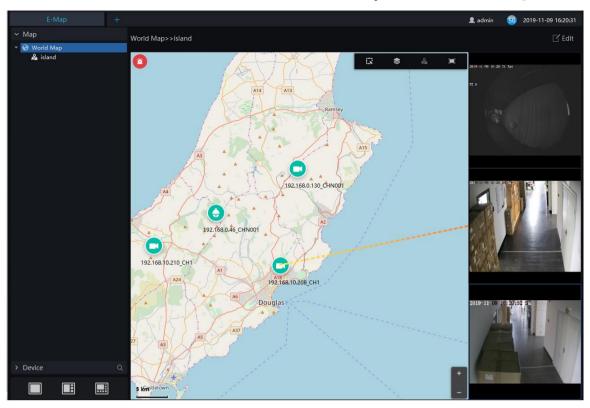


Step 4 If the alarm is generated, click is to position the camera, and double click to view the live video.

Step 5 Click **2** to view the alarm information.

Step 6 Click to set the live video split screen





Step 7 Click the highlighted camera to view the live video or playback, as shown in Figure 13-8.

Channel03
 I⁹ (01 / 2020 1/4; 56; 14 Surf)
 I⁹ (11 / 2020 1/4; 56; 14 Surf)

Figure 13-8 Live video of alarm

14 Group

For surveillance of a certain scale, any group can be created to run a hierarchical management on devices, the system default setting is a root group which supports 6 layers.



On the main menu page, click on group icon to invoke the user interface, as shown in figure 14-1

Group + A Dovelopment At boxic H addional Name: Default Variet: Parent Group: Default Preme Number: Attribute: Parent Group: Default Preme Number: Name: Default Contacts: admin Attribute: Parent Group: Default Preme Number: Reserve: 2	Group	+							👤 admin	<u>60</u> 2	019-04-2	4 19:34:30
h Development h basic h basic h addional 1 admin Advress: 2 Vser No. User No. User Administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default administrator Default	Defeult	+	Basic Inf	ormation								🖍 Edit
User Device No. Username Group Remark 1 admin Administrator Default 2 user Administrator Default 3 Paulo Administrator Default 4 Leo Administrator Default	류 Development 류 basic		Contacts:					888888				
1 admin Administrator Default admin 2 user Administrator Default 3 Paulo Administrator Default 4 Leo Administrator Default				User	Device							
2 user Administrator Default 3 Paulo Administrator Default 4 Leo Administrator Default			No.	Userna	me Role Name	Group		Ren	nark			
3 Paulo Administrator Default 4 Leo Administrator Default								admi				
			4	Leo	Administrator	Default						4

Figure 14-1 Organization interface

No.	Function	Description
1	Group	Display group tree, new group can be added by clicking +
2	Basic Information	Display basic information of device or group
3	Edit	Basic information can be edited by clicking "Edit"
4	Display area of user or device	Display information of user or device

14.1 Add Group

Procedure:

Step 1 Click the add icon to add a new group. The screen shows as figure 14-2.

+ Add Group			×
Name			
Parent Group	Default		-
Phone Number			
Contacts			
Address			
Save	and New	Save	Cancel

Figure 14-2 Add group

Step 2 Input name, phone number, contacts and address. Choose the parent organization

Step 3 Click "Save and New" to save and build a new one at the same time.

Step 4 Click "Save" to save and finish the adding.

15 Log Management

At interface of log management, users can query operation log, server log, system log

On the main menu page, click



to enter the detailed page, as shown in the figure 15-1

Figure 15-1 Log management interface

	Log +			👤 admin 🛛 60 2019-04-24 19:50:05
Time	2019-04-23 19:47:42~2019-04-24 19:47:42 1	🗂 Log Type Select All 🛛 👤 🔫	Log Option invert selection 3 -	Keyword 4 5 Q Query
No.	User	Time	Operate	Remark
	admin	2019-04-24 19:47:14	Add Group	Add Group[Melody]
	admin	2019-04-24 19:25:53	Add Group	Add Group[addtional]
	admin	2019-04-24 19:25:28	Modify Group	Modify Group[basic]
	admin	2019-04-24 19:23:57	Add Group	Add Group[basci]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.0.201]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.88.127]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.0.200]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[PNS ECO 5SP57-12X]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.12.159]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.88.129]
11				AddDevice[192.168.88.128]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.88.130]
	admin	2019-04-24 14:28:33	AddDevice	AddDevice[192.168.0.120]
	admin	2019-04-24 14:28:32	AddDevice	AddDevice[192.168.32.156]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.0.201 UID:30980]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.88.130 UID:7124]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.88.129 UID:27361]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.88.128 UID:4675]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.12.159 UID:24231]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:PNS ECO 5SP57-12X UID:3988]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.0.200 UID:15078]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:啊实打实的 UID:18860]
	< < 1 >> >I 50	• Total : 108 7		

No.	Functions	Description
1	Time	Set the start and end time of querying
2	Log types	The default is to select all. Other types have operation logs, system logs, and service logs.
3	Log options	The default is to select all. There are many options to select.
4	Keyword	Set keyword and quickly query
5	Query	Search logs according to the previous settings
6	The query show	Query result display area.
7	Interface display	Show the current page of logs, and the page displays the number of logs, switch to next page.

Table 15-1 Log management

16 Report Statistics

At the interface of report statistics, the user can view the alarm statistics of group, devices, the online rate of devices is also reported.

On the main menu page, click

. III

to enter the detailed page, as shown in the figure 16-1.

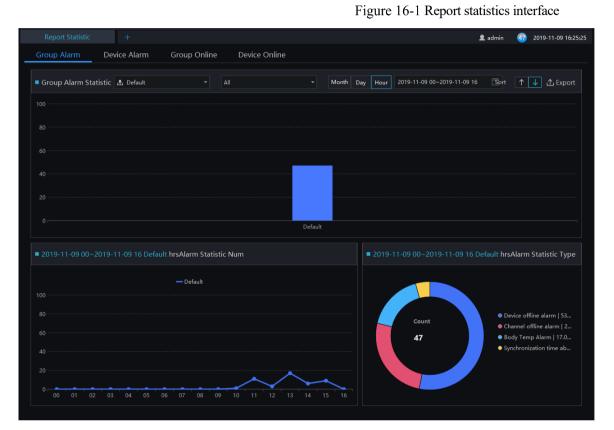
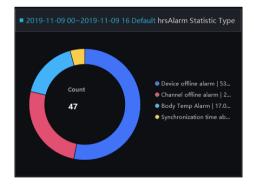


Figure 16-1 Alarm type statistics



There are three forms of visual display of data statistics, histograms, line charts and torus charts.

17 Monitoring Center

In the monitoring center, a visual comprehensive management platform. It can directly call the electronic map to view the online status of regional statistical equipment, such as regional statistics, snapshot statistics, 7 day statistics, 24-hour traffic statistics, attendance, face snapping, real time alarm, E-map, and alarming live video.

On the main menu page, click



to enter the detailed page, as shown in Figure 17-1.

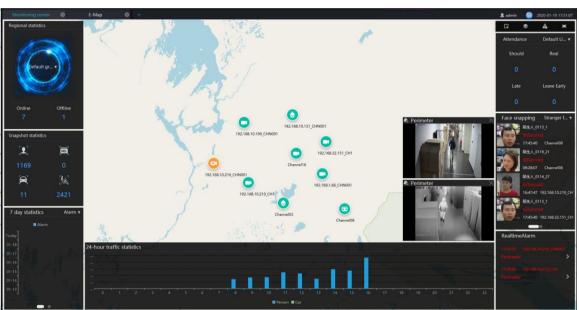


Figure 17-1 Monitoring Center

Regional statistics: Count the number of online and offline devices in different groups.

Snapshot statistics: devices under the organization, statistics faces, number of license plates, vehicles, number of person and vehicles snapshot.

7 days statistics: Pedestrian and vehicle traffic and alarm conditions within the 7 days. This statistic is updated regularly every day. It cannot be updated in real time. Automatically switch between pedestrian and alarm's statistics by default.

24-hour traffic statistics: statistics about the number of people and cars in a 24-hour period.

Attendance: statistics of attendance at the attendance points under the structure of the group.

Face snapping: Count the frequency of strangers and over-temperature capture. By default, two kinds of statistical data are automatically switched and the data is updated in real time.

Real-time alarm: Display real-time alarm information. If the device is connected to the map, you can click to view the real-time video.

Real-time video: Switch the real-time alarm video of the electronic map device in real time.

Click the camera in the E-map can view the live video or playback.

18 Device Configuration

At the interface of device configuration, you can view and set the parameter of the front-end device, such as bit rate parameters, motion detection parameters, OSD parameters, image parameters, thermal parameters, etc. For more devices configuration, click on "Link Web" to enter the device.

The configuration function is related to the firmware version of the device. Please refer to the actual situation.



On the main menu page, click to enter the detailed page, as shown in Figure 18-1.

Device Config +							👤 admin	60	2019-04-24 20:0	05:40
 ★ Default ★ Development ★ 192.168.10.189 ★ ■ Device 	Channel Info					🖍 Edit	 Device upg 	rade	Web Brow	ser
Channel01 Channel02 Channel02	IP Address: 192.168.10.20	3 Device Type: Bod	y-Temp Detector	Hardware Ver	rsion: V130151_1		Channel Name			
➡ Device_CHN004 ♣ basic	No.: FFFB12	Device Model: SN-7			sion: t3.6.0825.1004		Serial Number			
뷰 addtional 뷰 Melody ✔ ☎ 192.168.10.208	Video Encode	Sensor	OSD	Motion Alar	rm DD	NS	Face Detec	tion		•
	Main Stream Video Encode Type	H265			Stream 1 Video Encode Type	H265				
		Mid			Video Encode Type	Mid				
 192.168.12.159 192.168.88.128 192.168.88.129 	Audio Encode Type	G711_ALAW			Audio Encode Type	G711_ALAW				
 192.168.88.130 192.168.0.120 192.168.0.200 	Resolution	1920x1080			Resolution					
■ 192.168.0.201 ■ 192.168.88.127	Frame Rate				Frame Rate					
	l Frame Interval	4			I Frame Interval		50			
	Bitrate Type	CBR			Bitrate Type	CBR				
	Bitrate	4000			Bitrate	1024				
								Apply	Refresh	

Figure 18-1 Device configuration interface

Table 18-1 Device configuration

No.	Function	Description
1	Organization structure	Show organizational structure information
2	Basic Information	Show basic information
3	Edit / Device upgrade/ Link Web	Edit : edit the device information Device upgrade: click to upgrade the device immediately. Link web: user can login to the device's web directly.
4	Device configuration information	Show and set the device configuration information, click "Apply" to save the information.

19 Server Management

At the interface of service manager, you can view the running status, performance data, and parameter configuration of the server to understand better the server running data and better maintain the system.

On the main menu page, click

to enter the detailed page, as shown in Figure 18-1.

Figure 19-1 Servers management interface

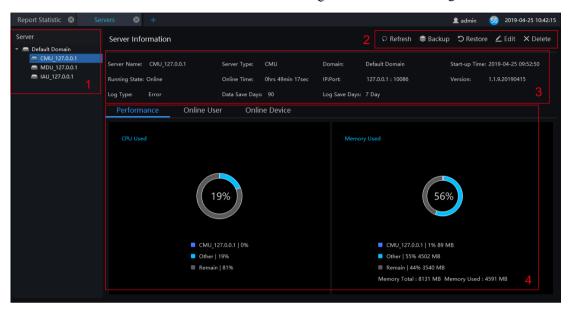


Table 19-1	Servers	management
------------	---------	------------

No.	Function	Description
1	Server	Default Server Domain, CMU/MDU/IAU Server
2	Basic information	 Basic information displays 1. At the main menu interface, click on the server management screen to display the device configuration screen as displayed in Figure 17–1. 2. Click "Edit", edit the server name, select the log level, and log retention days. Click "Save" to save the relevant settings.
3	Basic operation	Refresh, edit, delete server related information (online service device cannot be deleted)
4	Performance, other information display	Performance display area, capture information

19.1 Central Management Server

Data backup and recovery normally is used for system migration, which requires data backup first and recovery then. The backup data contains data from database, like users, device, server, alarm, log, face photos, etc.

Data backup means it will download data from the server where the VMS installed. Data recovery means it will upload the backup data to the servers, it includes perform recovery operations and ensure the system resume normal work.

Server setting, user can set the general parameters of snapshot face capture threshold, the parameters can be used to all cameras with these functions, as shown in Figure 19-2.

Server setting				×							
Synchronize device time setti	ngs										
Synchronization set time	Synchronization set time										
Snapshot Setting											
Time to capture and remove	heavy objects	30s		•							
Snapshot path	Default	-	Default path								
Face algorithm mode	Local IAU			*							
Face capture threshold											
Ambiguity				0.7							
Confidence Coefficient		•		0.6							
Face size(Long) 🛛 🗕				80 px							
Face size(Wide) -				80 px							
*Capture images below thres	hold will be filte	ered									
			ОК	Cancel							

Figure 19-2 Server Setting

- Step 1 Enable synchronization to set the time to facilitate unified management of the device and reduce inconvenience caused by inconsistent time.
- Step 2 Set the snapshot of the duplication time of removing the similarity capture. In the drop-down list, 5S, 10S, 15S, 30S.
- Step 3 Snapshot saving path. It is best not to change the default path. Only change it if you have special needs.
- Step 4 The face algorithm mode can choose local IAU and face algorithm box.
- Step 5 Face capture threshold, ambiguity, confidence coefficient, face size length and width.
- Step 6 Step 6 Click "OK" to save the settings.

19.2 Data Backup

Procedure:

1. Click "backup" button at right upper of screen, then the pop-up window appears, as shown in Figure 19-1;

🍃 Da	ta Backup	×
В	ackup Type	
	11 -	
В	ackup Path	
	C:\Program Files (x86)\SunView\client 🛛 📷	
В	ackup Frogress	
	0%	
D	ownload Progress	
	0%	
	Backup Takes Some Time, Do Not Close Windows	
	Start Backup Cance	el

Figure 19-3 Date backup

- 2. Browser the backup path, click "start backup" to back-up the server's data.
- 3. After backup successfully, the backup progress display "100%";
- 4. Click **×** to exit backup.

19.3 Date Recovery

Click

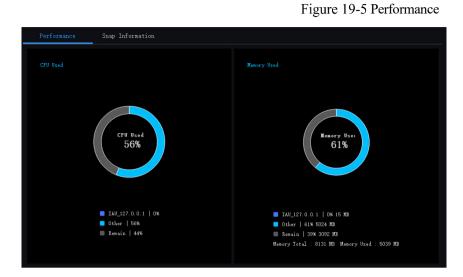
Restore and the pop-up window shows as Figure 19-2, choose the download data

ŋ	Restore Backup	×
	Select File	
	Upload Progress	
	0%	
	Recovery Progress	
	0%	
Reco	overy may take some time. Please do not close this wi	ndow.
	Start Res	tore

Figure 19-4 Restore backup

19.4 Media Distribution Server

19.4.1 Performance



19.4.2 Distribution Status

Figure 19-6 Distribution Status

Perfo	rmance D	ispense Video			
No.	Channel UID	IP:Port	Bit Rate Input	Bit Rate Output	Request Time
	103166_01	127.0.0.1:59566	4181	4185	2018-11-15 15:44:37
	FFF345_01	127.0.0.1:59581		102	2018-11-15 15:44:57
	573030_01	127.0.0.1:59571	4307	4311	2018-11-15 15:44:40
4	031006_01	127.0.0.1:59574	4129	4133	2018-11-15 15:44:43

19.5 Intelligent Analysis Server

19.5.1 Performance

Please refer to chapter 18.2.1

19.5.2 Snap Information

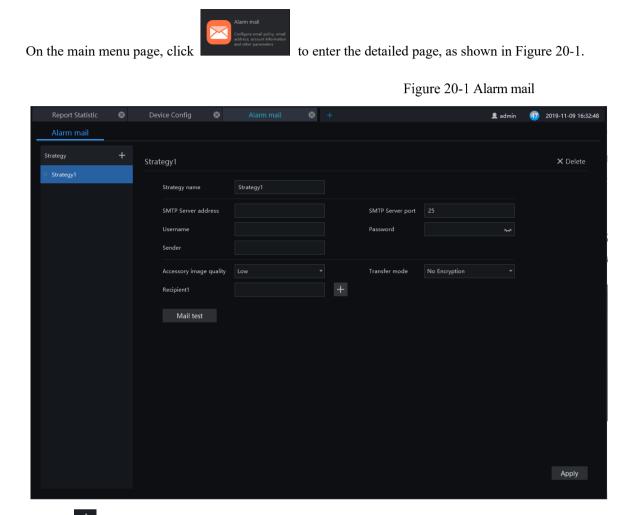
This function is generally applicable to the face capture device, it can analyze image if the device captures normally. If the number of captured face is 0, please check whether the camera is configured correctly. The details are shown as Figure 19-7.

Figure 19-7 Snap information

Server ▼	Server Inforr	nation				ç	🗅 Refresh 🗡 I	dit 🗙 Delete
CMU_127.0.0.1	Server Name: Running State: O Log Type: E Performar	Inline			Default Domain 127.0.0.1 : 10100 Days: 7 Day	Start-up Time: 2019-04 Version: 1.1.5.20 IAU Env: CPU Val		0190402
	No. 1	Channel UID 837_001	IP:Port 192.168.32.156:30001	Login Time 2019-04-25 09:53:02	Face Snap Count 0	Face Valid Co 0	Body Snap Cc 0	Body Valid Co 0
	2 3	FFFB11_001 FFFB12_001	192.168.10.208:30001 192.168.10.210:30001	2019-04-25 09:53:02 2019-04-25 09:53:02	0 39	0 21	0	0
			20 🔻 Total					

20 Alarm Mail

Set the alarm information sender information and recipient information. When sending an alarm, it can be pushed to the corresponding personnel by email.



Step 1 Click + to add the new strategy.

Step 2 Input the name and information of SNMP.

Step 3 Click Mail test to test the settings.

Step 4 Click Apply to save the settings.

21 Face Recognition

On the Face Recognition function page, you can view the results of face capture and face comparison in real time. This function needs to add a face image in advance through the "Personnel Information Management" function page. Can be broadcast by device voice.



On the main menu page, click

to enter the detailed page, as shown in Figure 20-1.

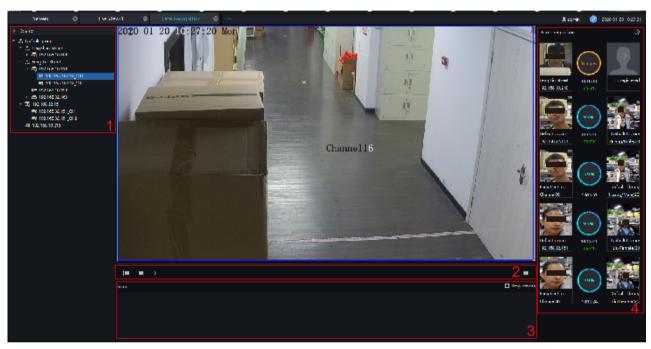


Figure 21-1 Face recognition

Table 21-1 Face recognition

No.	Function	Description
1	Devices list	Show the devices with face recognition function.
2	Layout	Choose the layout of video.
3	Alarm snapshot	Alarm information About over-temperature face capture display, you can choose to stop refresh.
4	Face comparison	The snapshot face compares with the library. Set the broadcast.

- Step 1 The devices have face capture function that automatically captures the face. The snapshot show on the area of face comparison.
- Step 2 Click the search icon in the lower right corner of the snapshot image to go directly to the smart search interface.
- Step 3 Similar faces of the face database appear again in the picture, and faces higher than the set similarity will be compared in the comparison area and related information is displayed.
- Step 4 Click "+" that appears on the picture to add it directly to the face database.

			×				×	<
FullScreen Moc	le	Full-screen Face Card		FullScreen M	lode	Full-screen Face Card		
Card Size		Middle		Card Size		Middle		
Stranger				Stranger				
Voice policy settings				Voice policy settings				
Stranger R	egistered1 +		Delete	Stranger	Registered1 +		Delete	
Face Library	☑ 🖁 Default Lib			Face Library	i≓ "A. Default D	rrany Default Library		
Speech	Over temperature	e 🔻 🗹 Hello visitors		Speech	🗹 Name 🗹 Time	✓ Over temperature ▼		
Voice time	Time setting				Hello			
				Voice time	Time setting			
			OK Cancel				OK Cancel	el

Figure 21-2 Voice announcement setting

Procedure:

- Step 1 Select the full screen display mode, there are two modes, cards (need to set the card size) and list card.
- Step 2 Enable the stranger, If not the stranger snapshot image is not show on comparison area.
- Step 3 Strangers can set the content of the voice broadcast, the characters are within 10 characters.
- Step 4 The staff already in the library tick the face library, it can set whether to speech the name, time of snapshot, and play text.
- Step 5 Set the voice time.
- Step 6 Click "+" that appears on the picture to add it directly to the face database.

22 Face Library Manage

At the interface of face library management, a multilevel face library directory can be created. Different face libraries can be added and edit personnel information for face recognition. When the camera detects a face, it can be compared with the library to identify, who was captured.



On the main menu page, click the Archives Library Iconto invoke the user interface, as shown in figure 19-1

This function is only subject to face detection cameras and license plate capture cameras.

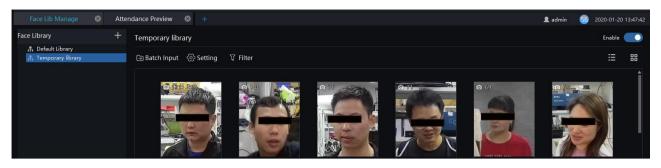


Face Lib Manage	+											£ a	dmin	9 2020-0)1-20 10:56:18
Face Library	+	Default	Library									3 + AddLib	× Dele	teLib 🛓	L EditLib
鼎 Default Library 류 Temporary library		+ Add	× Delete	.√ Imp	port 介	Export	ි Manual up	odate	⊗ Setting 2	Filter	40	Display subordin	ate organiz	ation	: 88
		🗆 No.	Name	Genc B	irthday	ID Card	Туре		Face Library	Valid Time	Remark	Ope	ration		
		🗆 1		Fem 20	000-01-01	45635376	Teach	ner	Default Library	Permanent validity		۷	×		
	1	🗆 2	Huang	Male 20	000-01-01	422561	Teach	ier	Default Library	Permanent validity		۷	×		
		3	Gary	Male 20	000-01-01	124968	Teach	ner	Default Library	Permanent validity		∠			
		4	Jianing	Male 20	000-01-01	458516	Teach	ner	Default Library	Permanent validity		∠			
		D 5	WangSh	Male 20	000-01-01	45682165	Teach	ner	Default Library	Permanent validity		∠			
		6	Tuyanqiu	Fem 20	000-01-01	1234546	Teach	her	Default Library	Permanent validity		∠	×		
		□7	Liguangyun	Male 20	000-01-01	4972	Teach	ner	Default Library	Permanent validity		5 4	Х		
					50		Total : 7 6								

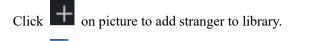
Table 22-1 Face library

No.	Function	Description	
1	Face Library/license plate library	Face library or license plate library default group/ add library	
2	Basic operation of person	Add, delete, import, exporting, manual update and filter person.	
3	Basic operation of library	Add, delete, and edit library	
4	Arrangement	Tick or not display subordinate organization. List mode, card mode	
5	Display information	Face library basic information display	
6	Page information	Page number, number of pages per page, total number of showing. Switch to next page	

Figure 22-2 Temporary library



The temporary library will show the all of capture faces, and the number of snapshots will show on the picture.



Click to enter face search.

Batch Input Click to enter the batch input interface to add the library, as shown in Figure 22-3.

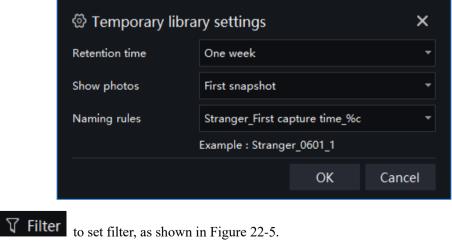
→ Batch Input				×
Initial number	0			
Туре	Teacher 🔻		-	5
Face Library	👫 Default Library	/	•	
Number o	f selected : 2	Save	Can	cel

Figure 22-3 Batch input

Setting Click

to set temporary library settings, as shown in Figure 22-5

Figure 22-4 Temporary library setting



Click

Figure	22-5	Filter
I IS GIO		1 11001

Figure 22-6 Add face library

Device Name		Select All	-	
Occurrences(More	e than)	10		
Capture time		Customer Tim	e 🔻	
		2020-01-19 14	4:23:39 -	
		2020-01-20 14	4:23:39 -	
F	Reset	Confirm	Cancel	

The temporary library is updated in real time.

22.1 Add Face Library

Procedure:

Step 1 Click + to add face library.

Step 2 Input library name, remark, choose library , as shown in Figure 22-6.

+	Add Face Lil	orary			×
	Library Name				
	Face Library	🔒 Default Libra	ry	-	
	Remark				
		ave and Nev	Save	Cancel	

Step 3 Click "save" to save settings. Click "save and new" to save and add another one.

22.1.1 Add Personnel Information

Procedure:

Step 1 Select a face library

Step 2 Click + Add to add new personnel information

Step 3 Input the information as shown in Figure 22-7.

+ Person Enroll		×	
Name			
Gender	Male		
Birthday	2000-01-01		
ID Card			
Туре	Teacher	· E	
Face Library	👫 Default Library		
Valid Time	Permanent validity		
Remark			
Picture			
+			
🗃 Select File			
🖻 One key photo			
	Save and New Save	Cancel	

Figure 22-7 Person enroll

Step 4 Support one person to add multiple images, increase the comparison rate, each selected photo has a delete icon, click to delete.

Step 5 Click "One key photo" to enter capture person immediately, as shown in

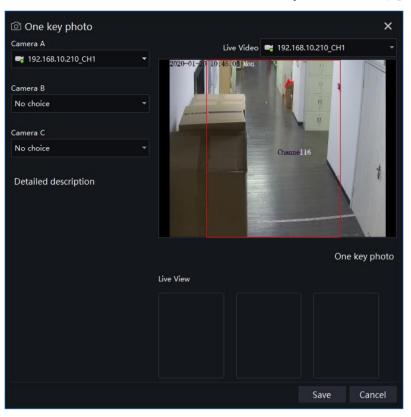
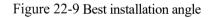
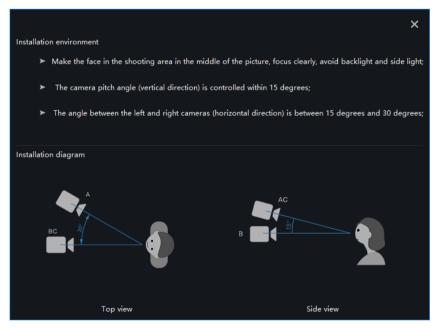
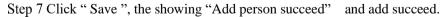


Figure 22-8 One key photo

Step 6 Choose one camera to snapshot, if you want to collect multiple pictures and improve the correct of comparing, you can choose three cameras to snapshot through different angle, as shown in Figure 22-9.







G=-™ TIP

Clear face image could be highly recommended, which can get higher accuracy for comparison.

22.1.2 Batch Import

Procedure:

Step 1 Click "Export ", select "Export template".

Step 2 Edit above Export template, and save.

Step 3 Click above edited Export template to import all personnel information.

22.1.3 Batch Export

Procedure:

Step 1 Click "Export" to get into the Export interface.

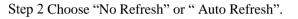
Step 2 Choose the save path, and click " save" to save the settings.

22.1.4 Face setting

Procedure:

Step 1 Click "Setting" to get into the face setting interface, as shown in

Step 1. Face setting



Step 3 Set the refresh time and apply to.

Step 4 Click "OK" to save the settings.

22.1.5 Filter

Procedure:

Step 1 Click "Filter" to get into the filter interface, as shown in Figure 22-10.

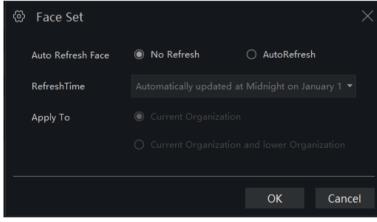


Figure 22-10 F

Figure 22-11. Filter setting

Step 2 Input the name need to filter.

Step 3 Choose the gender, type and photo.

Step 4 Click "Confirm" to save the settings.

Name			
Gender	AL	L	
Туре	AL	L	
ID Card			
Picture	AL		-
		-	
	Reset	Confirm	Cancel

23 Face Match Configuration

At the Face Match configuration page, you can add a comparison strategy between the camera and the face library for different cameras to be compared with different face databases. When the camera detects a face, it only compares with the chosen library.

This function is only subject to Face Detection cameras.



On the main menu page, click

to view the configuration interface, as shown in Figure 23-1.

Figure 23-1 Face Match configuration interface

	n		⊗ +				👤 a	dmin	48 2019-11-0	09 17:56:
1 192.168.10 2 192.168.10	_									
1 192.168.10 2 192.168.10									+ Add >	< Delete
2 192.168.10	era	IP Address	Туре	Face Library	Similarity	Enable status	Ope	ation		
	68.10.208_CH1	1 192.168.10.208	Body-Temp	Default Library, RD, TP, scho	80	Enable	2	×		
3 192.168.0. ⁻	68.10.210_CH1	1 192.168.10.210 1	Body-Temp	Default Library, RD, TP, scho	80	Enable	2	×		
	68.0.133	192.168.0.133 I	Multiobjecti	Default Library, RD, TP, scho	80	Enable 1	2			

Table 23-1 Strategy configuration

No.	Function	Description
1	Detail of face comparison	Setting up face comparison detail information.
2	Basic operation	Add, Delete
3	Operation	Modify and delete the face library.
4	Page information	Page number, number of pages per page, total Switch to next page

23.1 Face Comparison Configuration

Procedure:

Step 1 Click icon of strategy configuration in new page, into the interface as figure 20-1.

Step 2 Click "Add" to get into new face comparison, as shown in figure.

Figure 23-2 Add strategy

Step 3 Check camera and face library.

Step 4 Set up Similarity and activate Stranger mode.

Step 5 Click to confirm the success of adding face comparison, relative devices showing in the list and executable for both Edit and Delete.

+ Add Strategy		×	+ Add Strategy		×
Device		•	Device		
Enable Strategy			Enable Strategy		
Stranger strategy	Strategy1 +	Delete	Stranger strategy	Strategy1 +	Delete
Face Library	Image: The select multiple		Face Library	■ A Default Library *Right-click and select multiple	
Similarity			Similarity	Right-click and select matche	
Linkage Scheme	Compare result		Linkage Scheme	Compare result Trigger alarm App Subscribe	
Defence Time	Defence Time		Defence Time	Defence Time	
	Confirm	Cancel		Confirm	Cancel

24 Face Search

At the Smart Search function page, you can select a face image to retrieve a face photo that matches the face similarity from the platform and play back the track on the map.

This function only supports cameras with face recognition.

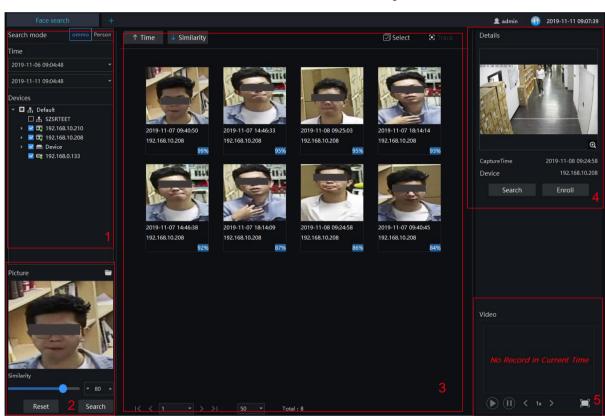


On the main menu page, click

to vie

to view more detailed interface.

Figure 24-1 Face search



No.	Function	Description
1	Set search mode	The search modes are common and person. Set the start time of the query. Select the capture camera, tick the group to select all.
2	Set picture	Select picture from the local folder. Set the similarity. Reset: reset the search items. Search: click "Search" and switch the details picture to search
3	Display information	The information can be displayed by time, similarity in row, behavior track.
4	Details	Click on the image of the query result to display the panorama in the captured state. The captured picture can be entered into the face database. Search directly with snap shots. Enroll: click to enroll the searched picture. Enter the face database and search for images. The pictures captured by the camera are generally stored in the snap folder by default.
5	Switch picture to search	If there is a record, you can directly play the video before and after the snapshot.

Table 24-1 Smart search

24.1 Image Searching

Procedure:

Step 1 Click **to** select image.

Step 2 Set Similarity; set time of searching picture and the capture devices.

Step 3 Click "Search", the searching results will display by Time and Similarity.

Step 4 Click the images in the result, displaying the details.

Step 5 Click "Enroll" and show the pop up "Person Enroll" interface. Input relative information and save.

Step 6 Click "Select" to choose picture of searching result.

24.2 Track

User need to set more than two the face detection cameras at the custom e-map at first.

Procedure:

Step 1 Click "select" to start select pictures.

Step 2 Tick the pictures from different cameras.

Step 3 Click "track", the pop-up track map will show, as shown in .

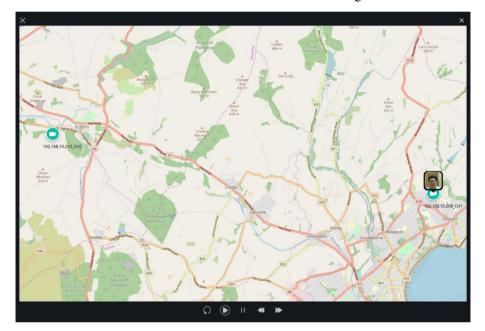


Figure 24-2 Track

Step 4 Replay or playback the track line.

25 Classification Data Query

At the Face Match configuration page, you can add a comparison strategy between the camera and the face library for different cameras to be compared with different face databases. When the camera detects a face, it only compares with the chosen library.



NOTE This function is only subject to Face Detection cameras.

On the main menu page, click | to view the configuration interface, as shown in Figure 25-1.

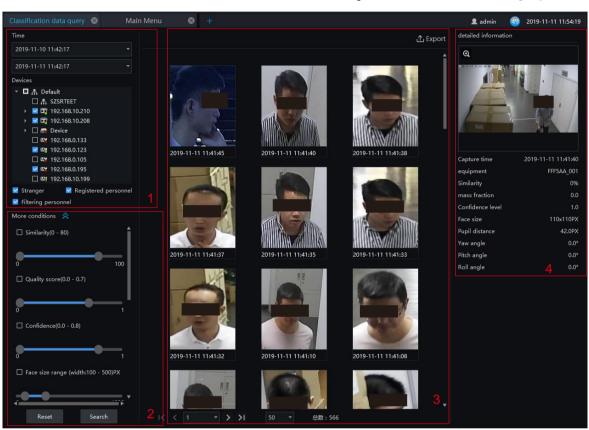


Figure 25-1 Classification data query

Table 25-1 Smart search

No.	Function	Description
1	Basic conditions of querying	Start time and end time, tick the devices and modes of face libraries.
2	More conditions	Set similarity, quality score, confidence, face size range, pupil distance range, yaw angle, pitch angle, roll angle.
3	Operation of library	The basic operation of license plate library.
4	Detailed information	The result of querying, show the detail information.

Procedure:

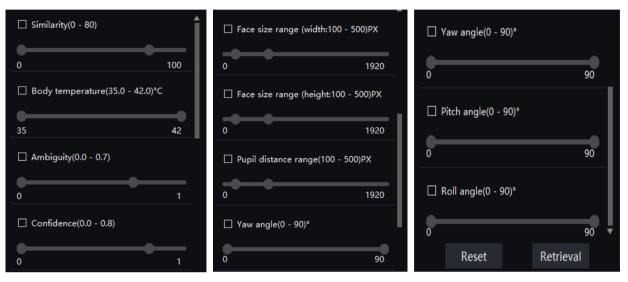
Step 1 Set the query start time and select the device.

Step 2 Tick the devices of the query. The default is to select all.

Step 3 Set the classification query conditions and search accurately.

Step 4 Click "Query" and the result of the query is now displayed.

Step 5 Click "Reset" to reset the query criteria.





26 License Plate Manager

The license plate library can add license plate library to identify the matching license plates and manage the vehicle entry and exit. Different levels of license plate face libraries are established according to different needs.



NOTE This function only supports cameras with license plate recognition.

On the main menu page, click to view more detailed interface.

Figure 26-1 License plate manage interface



Table 26-1 Smart search

No.	Function	Description
1	License plate library	Click "add" to add the library of license plate. Show the libraries.
2	Operation of license	The basic operation of license plate.
3	Operation of library	The basic operation of license plate library.
4	Display subordinate organization	Show subordinate organization: Check the license plate information that can display the subordinate organization.
5	Display information	The basic information of the license plate library is displayed.
6	Page information	Page number, number of pages per page, total Switch to next page

26.1 Add license Plate Library

Procedure:

Step 1 Choose "license Plate Library" at archives library interface.

Step 2 Click **I** to add license plate library.

Step 3 Input library name, remark, choose library, as shown in Figure 26-2.

Figure 26-2 Add license plate library

Figure 26-3 Add license plate

+ Add Library					
Library Name					
License plate Lib	👫 Default Library	/			
Remark					
	Save and New	Save	Cancel		

Step 4 Click "Save" to save the parameters.

26.2 Add License Plate Information

Procedure:

Step 1 Select a face library

Step 2 Click + Add to add new license plate information.

Step 3 Input the information as shown in Figure 26-3, choose the picture from the local client.

+	- Add license plate info						
	License Plate						
	License plate Lil	Default Lik	👫 Default Library 🔻				
	Valid Time	Permanent va	lidity		-		
	Remark						
	S	ave and New	Save	Cancel			

Step 4 Click "Save ", will show "Add license plate succeed".

Step 5 The operations such as import, export, delete license plate library are same as face library, please refer to *chapter 22*.

V 1.4 (2020-03-20)

27 License Plate Configuration

The license plate recognition function camera is selected in the license plate comparison configuration, so that the vehicle identify can call the configuration.

This function only supports cameras with license plate recognition.



to view more detailed interface.

On the main menu page, click

👤 admin 50 2019-11-11 11:04:26 □ No. Camera + Add Strategy × Camera Channel03 License Plate + Delete ense Plate Lib ☑ 🛔 Default Li ☑ 👫 garag No entry lib license plate ala Linkage Scheme Compare result IO Output Defence Time

Figure 27-1 License plate configuration

Procedure:

Step 1 Choose "License Plate" at strategy configuration interface. Step 2 Click "Add" to get into new add strategy, as shown in figure.

+ Add Strategy		×
Camera		
License Plate		
Strange strategy	Strategy1 +	Delete
License Plate Lib	 ✓ M A Default Library ✓ M 125 	
Linkage Scheme	*Right-Click and select multiple ✓ Compare result ✓ No entry lib license plate alarm ☐ Send mail ✓ IO Output	
Defence Time	Defence Time	
		Cancel
+ Add Strategy		×
+ Add Strategy Device	■ 192.168.10.199_CHN001	×
	■ 192.168.10.199_CHN001	×
Device	■ 192.168.10.199_CHN001 ■ Strategy1 +	× • Delete
Device License Plate		•
Device License Plate Strange strategy License plate Lib	Strategy1 + M A Default Library *Right-click and select multiple	•
Device License Plate	Strategy1 + ☑ ♣ Default Library	•
Device License Plate Strange strategy License plate Lib	Strategy1 + Strategy1 + Right-click and select multiple Compare result Expired license plate alarm Send mail	•

Figure 27-2 Add strategy

Step 3 Choose camera and license plate library

Step 4 Set up Similarity and activate Stranger mode.

Step 5 Click "Confirm" to save the settings.

28 Vehicle Identify

At this page, you can view the snapshots of vehicle, the snapshot will compare with license plate library.

On the main menu page, click

view the detailed interface, as shown in

Figure 28-1 Vehicle identity interface

This function only supports the cameras with license plate detection.

License match config 🛛 😣 🕂 👤 admin 00 2019-11-11 10:25:59 > Device Associated license plate 🚠 Default 11/11/2019 10:25:53 Mon 192.168.0.133 192 168 0 105 2019-11-11 10:25:59 192,168,0,195 Time License Plate License plate lib Unidentified 6 Valid Time C5PO 12 Unide ntified 29359 29358 148 R n

Procedure:

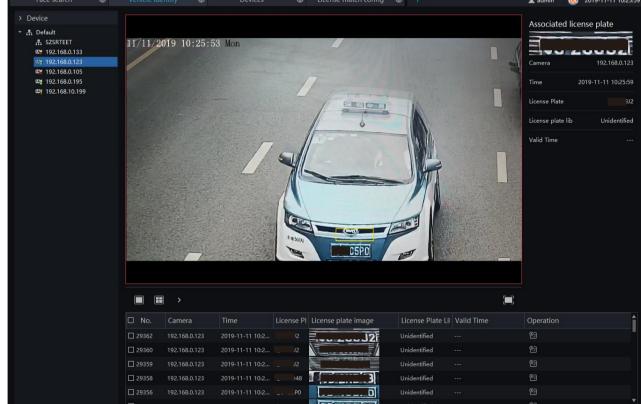
Step 1 The license plate recognition camera will be displayed directly in the list area.

Step 2 Click on the working camera.

Step 3 The captured license plate will be displayed in the area below the live video.

Step 4 The associated license plate information is displayed on the right interface.





29 License Plate Search

On the main menu page, click

view the detailed interface, as shown in Figure 29-1.

Procedure:

Step 1 Set time of searching picture and the capture devices.

Step 2 Click "Search", the searching results will display .

Step 3 Click the images in the result, displaying the details.

Traffic statistics 🛛 🛞	ALK	ecognition	Eicense plat		Main	Menu 😵 🚽		👤 admin	49	2019-11-	11 15:07:0
me		Search resu	ılt						🕄 Ti	ack 🖞	🚹 Export
2019-11-10 1 <mark>4:</mark> 56:33		🗆 No.	Camera	Time	License Pla	License plate image	License Plate	Valid Time	Ope	ration	ĥ
2019-11-11 14:56:33		□1	192.168.0.123_CHN001	2019-11-11 1		- PA69	Unidentified		۵	2 2	
		2	192.168.0.123_CHN001	2019-11-11 1	۱G9	- A69	Unidentified		Þ	2 2	
cense plate (optional)		3	192.168.0.123_CHN001	2019-11-11 1		AG9	Unidentified		Þ	2 2	
		4	192.168.0.123_CHN001	2019 <mark>-1</mark> 1-11 1		A69	Unidentified		6	2 2	
evice		5	192.168.0.123_CHN001	2019-11-11 1		BJ2	Unidentified		1	2 2	
		6	192.168.0.123_CHN001	20 <mark>19-11-</mark> 11 1		J2	Unidentified		Þ	2 2	
 □ 品 Default □ 品 SZSRTEET 		7	192.168.0.123_CHN001	2019-11-11 1		12	Unidentified		Þ	2 9	
🔲 😋 192.168.0.133		8	192.168.0.123_CHN001	2019-11-11 1	5P0	50	Unidentified		6	2 9	
✓ ₩ 192.168.0.123 □ ₩ 192.168.0.105		9	192.168.0.123_CHN001	2019-11-11 1)48)48	Unidentified		•	2 2	ļ.
2 🙀 192.168.0.195		□ 10	192.168.0.123_CHN001	2019-11-11 1	iPO	590	Unidentified		Þ	2 2	ĺ
🔲 🖙 192.168.10.199		□ 1 1	192.168.0.123_CHN001	2019-11-11 1	PO	5P0	Unidentified		Þ	N 2	
		12	192.168.0.123_CHN001	2019-11-11 1	PO	520	Unidentified		1	2 2	
		13	192.168.0.123_CHN001	2019- 1 1-11 1	PO	iPO	Unidentified		1	2 2	Į
		14	192.168.0.123_CHN001	20 <mark>19</mark> -11-11 1	5P0		Unidentified		6	2 2	ļ.
		15	192.168.0.123_CHN001	2019-11-11 1		335	Unidentified		Þ	2 2	j.
		16	192.168.0.123_CHN001	2019-11-11 1		335	Unidentified		6	2 2	
		17	192.168.0.123_CHN001	2019 <mark>-1</mark> 1-11 1		3335	Unidentified		6	2 2	
		18	192.168.0.123_CHN001	2019-11-11 1		35	Unidentified		Þ	2 2	ĺ
		19	192.168.0.123_CHN001	2019-11-11 1		1551	Unidentified		Þ	2 2	
		20	192.168.0.123_CHN001	2019 <mark>-1</mark> 1-11 1		5	Unidentified		6	2 2	
		21	192.168.0.123_CHN001	2019-11-11 1			Unidentified		6	2 2	
		22	192.168.0.123_CHN001	2019-11-11 1	133	5	Unidentified		Þ	2 2	
		23	192.168.0.123_CHN001	2019-11-11 1	G9		Unidentified		6	22	
		24	192.168.0.123_CHN001	2019-11-11 1	G9	AG9	Unidentified		6	2 2	

Figure 29-1 Intelligent search

Step 4 Tick more than two pictures, and the pictures are from two or more cameras.

Step 5 Click "Track" to form the track of car.

Step 6 Click the operations to play the record, image and add the license to library.

30 AI Recognition

At AI recognition interface, user can snapshot the vehicle, car, person, face and biking by AI cameras.

This function only supports AI cameras and vehicle cameras.

On the main menu page, click



view the detailed interface, as shown in Figure 30-1.

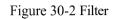
				r iguie se i	111100-8.11		
Health Archives 🛞 Dev	ices 😵 Al Recognition 😵	Archives Library 🛛 🛞	Group 😵	+			2019-07-12 17:51:22
 ✓ default ☆ Sofia ♥ 192.168.32.89 ♥ 192.168.0.253 	2000-01-01 00:48:35 Sat				Face R Face R FixUal 192.168.0.253 FixUal 192.168.0.253 FixUal 192.168.0.253 FixUal 192.168.0.253	esource statisti stranger 17:19:04 (stranger 17:18:56 (stranger) 17:18:53	ics
	• • 4)	1		Stop refre
	Real-time SnapShoot	1	-				5 ^T Filter
	*~						

Figure 30-1 AI recognition

Table 30-1 AI recognition

No.	Function	Instruction
1	Device list	The AI cameras will show at this area.
2	Live video	Show live video
3	Face/ Resource statistics	The snapshot of face will compare with library, and results show here.
		Count the vehicles and face/ride bike

No.	Function	Instruction
4	Switch windows	Switch live video windows format.
5	Real-time snapshot	the results display area, which will show real-time snapshot of the license plate, face, and bicycle. You can also set the filter conditions as shown in figure 23-2.



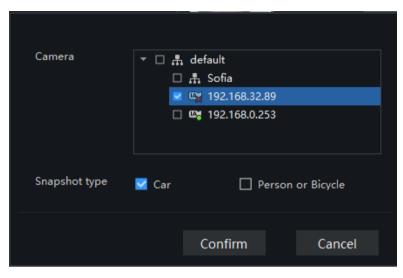




Figure 30-3 Resource statistics

31 Person and Car Search

At AI recognition interface, user can snapshot the vehicle, car, person, face and biking by AI cameras.

This function only supports AI cameras.

On the main menu page, click



view the detailed interface, as shown in Figure 31-1.

Procedure:

Step 1 Choose the type, car or person.

Step 2 Set time of searching picture and the capture devices.

Step 3 Set license plate, it is optional.

Step 4 Click the images in the result, displaying the details.

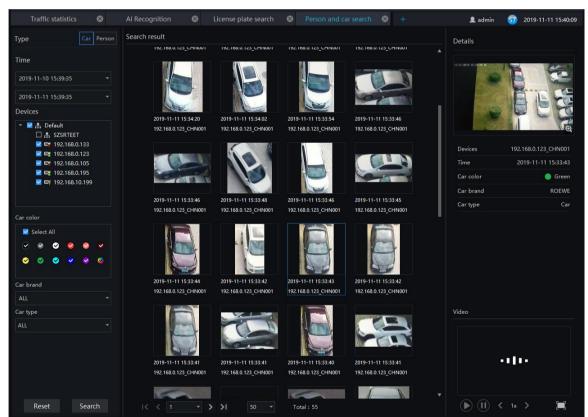


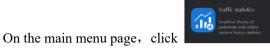
Figure 31-1 Person and car search

32 Traffic Statistics

On the traffic statistics page, you can query the group's traffics flow (statistics of people and vehicles under an organizational structure) and devices traffic (the traffic of people on a certain day), and count the number of vehicles and pedestrians at a specific time.

This function only supports AI cameras.

Choose month, day, or hour to count.



view the detailed interface, as shown in Figure 32-1.

	Figure 32-1 Traffic statistics
Traffic statistics 😵 Person and car search ⊗ Main Menu ⊗ +	👤 admin 🛛 57 2019-11-11 15:49:49
Group Traffics Device Traffic	
■ Total Statistics of Traffic Flo 🛔 Default 🔹 🛛 All 🔹	Month Day Hour 2019-11-11 00-2019-11-11 14 Set 1 🗘 🗘 Export
Car Person	
200	
160	
120	
80	· · · · · · · · · · · · · · · · · · ·
40	· · · · · · · · · · · · · · · · · · ·
Default	
■ 2019-11-11 00~2019-11-11 14 Default hrscapture statistics	■ 2019-11-11 00-2019-11-11 14 hrscapture type statistics Car Person
— Car — Person	
80	Car type
64	• Car 79.2% 19
48	• MicroBus 8.3% 2 24 • SUV 8.3% 2
32	• Truck 4.2% 1

Figure 32-1 Traffic statistics

 Croup Traffic
 Device Traffic

 I total Statistics of Traffic Flow
 I Default
 Month Day
 Total Statistics of Traffic Flow
 I Default
 I Default

Figure 32-2 Device traffic

33 Attendance Configuration

Attendance configuration has attendance group management, schedule management, attendance settings.

ttendance preview						👤 admin 🛛 57 2019-11-11 16:
endance Group Sc	hedule Mana	ige <mark>1</mark> S	Setting			
tendance Group	+	RD				× Delete attendance group 3∠ Edit attendance gro
Default		e Person	list manage			
RD		No.	Name	Gender	ID Card	Face Library
test				Female	1001	Default Library
			UNKOWN	Female	1002	Default Library
			LXJ	Female	1003	Default Library
				Female	1004	Default Library
			WB	Male	1005	Default Library
			GBZ	Male	1006	Default Library
				Male	1007	Default Library
			LW	Male	1008	Default Library
			MZW	Male	1009	Default Library
		10	TZQ	Male	1010	Default Library
		11				
			LHF	Male	1012	Default Library/RD
			ТҮМ	Female		Default Library/RD
		14	LBL	Male	1014	Default Library/RD
			OFX	Male		Default Library/RD
		16	PZL	Male	1016	Default Library/RD
				Male		Default Library/RD
		18	LFC	Male	1019	Default Library
			cartoon	Female	10161	Default Library 4
		20	LXH	Female	1021	Default Library
		4	CVC	Mala.	1000	D-fklikara

Figure 33-1 Attendance configuration

Table 33-1 Attendance

No.	Function	Description
1	Guide of attendance	Attendance group, schedule manage, attendance setting.
2	Group	Show the attendance group.
3	Basic operation	Edit or delete the attendance group.
4	Person list manage	Basic information of group.
5	Interface display	Show the current page of the person, and the page displays the number of alarms, switch to next page to show alarm information.

33.1 Attendance Group

Procedure:

Step 1 Click "+" to add attendance group, input the name of group.

+ Add attendance						
Attendance Name						
	Save	Cancel				

Step 2 Click "person list manage" to add person to new group, as shown in Figure 33-3.

Figure 33-3 Person list manage

Figure 33-2 Add attendance group

R Person list manage				×
☐ Face Library	0/713	🗌 week		0/0
 → □ ♣ Default Library → ■ ♣ RD ♣ TP → ■ ♣ school → □ ↓ □ ♣ school → □ ↓ □ ↓ □ ↓ □ ↓ □ ↓ □ ↓ □ ↓ □ ↓ □ ↓ □	Î			
			Save	Cancel

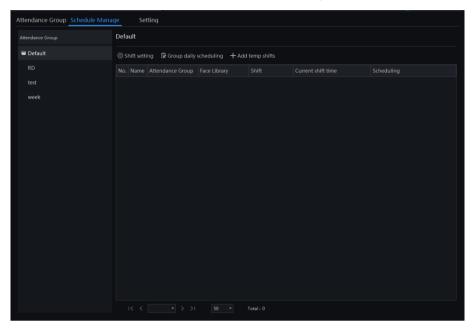
Step 3 Tick the staff of face library to attendance group.

Step 4 Click "Save" to save the settings.

Step 5 Click "Edit attendance group" to modify.

33.2 Schedule Manager

Figure 33-4 Schedule manage



Procedure:

Step 1 Click "Shift setting" to enter the interface, as shown in Figure 33-5.

Figure 33-5 Shift setting

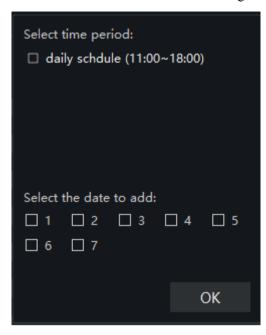
Shift setting														×
Shift setting	Shift maintena	nce												
+ Add	× Delete	Shift nar	ne:	默	认班次									
默认班次		Cycle:				Wee	ek 🔻							
		■ 日常日	班次						+	Add tim	ne X[Delete tim	ne 🗐 C	lear
								12	14	16	18			
		Mon						11:00		1	8:00			
		Tues						11:00		1	8:00			
		Wed						11:00		1	8:00			
		Thur						11:00		1	8:00			
								11:00		1	8:00			
		Sat												
		Sun												
		Jun												
										OK		Cancel	Ар	ply

Step 2 Click "Add" to add new schedule, click "Delete" to delete the schedule.

Step 3 Set the name and cycle of shift schedule.

Step 4 Click "Add time" as shown in Figure 33-6, or "Delete time" to modify the time.

Figure 33-6 Add time



Step 5 Choose "Shift maintenance" to maintain the shift, as shown in Figure 33-7

Figure 33-7 Shift maintenance

Shift setting	ch ift an eintern			×
Shift setting	Shift maintena	nce		
+ Add	× Delete	Name:	dəily schdule	
daily schdule		Show color: Attendance rule		
		Working time:	Working hours: 11:00 Off work hours: 18:00	
		🗹 Must Check in:	Check-in time: Before work 90 After work 30 min;	
			Allow late check-in 1 min,More than late	
			Not checked in at the valid time,Note Completion V 3.5 hrs;	
		Must Check out:	Check-out time: Before get off work 20 after work 240 min;	
			Allow early leave after work 1 min,More than early	
			Notcheck out at valid time,Note Completion * 3.5 hrs;	
			OK Cancel Ap	ply

Step 6 Click "OK" to save the shift setting.

Step 7 Click "Group daily schedule" at schedule manage, as shown in Figure 33-8.

Figure 33-8 Daily scheduling

🛱 Daily Scheduling	9			Û	×
Attendance Group					
Shift	default sch	dule			
Start date	2019-11-11				
End date	2019-12-11				
🗌 Free Check-in	🗌 Free Che	eck-out 🗌	Holiday atte	ndance	
ОК			Cancel		

Step 8 Choose one staff and click "Add temp shifts " at schedule manage, as shown in

Staff scheduling							
+ Add temp shifts	Attendance staff: TY	м	Attendance Librar	ry: RD			
aily scheduling	Period	Please	enter a time perio	d 👻			
default schdule(RD) 2019-10-30~2019-11-29	Effective time	2019-	11-11	▼ 2019-11-12			
emp scheduling	Free Check-in	🗌 Fre	e Check-out	🗌 Holiday i	attendance	Copy to	o Apply
daily schdule 2019-11-30~2019-12-06	daily schdule				All scheduling	g • 2019	
New temp shift1*	, Mon	Tues	Wed	Thur	Fri	Sat	Su
2019-11-11~2019-11-12							
			11:00~18:00	11:00~18:00	11:00~18:00		
					8		
	I 11:00∼18:00	I 11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00		
				14		16	
	▮ 11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00		
	18	19	20				2
	▮ 11:00~18:00	I 11:00~18:00	11:00~18:00	11:00~18:00	I 11:00~18:00		
		26		28	29	30	
	▮ 11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00
	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00		

Figure 33-9 Add temp shifts

Step 9 Set the time and click "Apply" to save the settings.

33.3 Attendance Setting

33.3.1 Attendance Point

Procedure:

Step 1 Choose "Attendance Point" at setting interface, click "Add" to add a new point, as shown in Figure 33-10.

Attendance Group Sch	edule Manag	e Setting	g						
 Attendance Point 	Attendand	e Point —							
Holiday Maintenance	🗆 No.	Camera	+ New Attendan	ce Point			status	Operation	+ Add × Delete
App timing push	□ 1 □ 2	192.168.10.208	Camera	📑 Channel03				∠ × ∠ ×	
		192.168.10.210 <u>-</u>	Eruble Attendance Library	▲ RD → 肃 Default 示 week → 肃 test					
					Save	Cancel			

Figure 33-10 Attendance point

Step 2 Choose the camera, enable the function.

Step 3 Tick the attendance library.

Step 4 Click "Save" to save the settings.

33.3.2 Holiday Maintenance

Procedure:

Step 1 Choose "Holiday Maintenance" at setting interface, click "Add" to add a new one, as shown in Figure 33-11.

Attendance Group Sche	edule Manage	Setting					
Attendance Point	Holiday Maint	tenance					
 Holiday Maintenance 							+ Add
App timing push	No.		e Holiday days	Start Time	End Time	Operation	
	1	new year	3	2020-01-01	2020-01-03	∠ ×	
			⊢ Add holidays		×		
			Holiday name				
			Start Time	2020-01-01			
			End Time	2020-01-03			
					OK Cancel		

Figure 33-11 Holiday maintenance

Step 2 Input the holiday name.

Step 3 Set the start time and end time.

Step 4 Click "OK" to save the settings.

33.3.3 App Timing Push

Procedure:

Step 1 Choose "App timing push" at setting interface, click "Add" to add a new one, as shown in Figure 33-12.

Figure 33-12 App timing push

Attendance Group Sche	edule Manag	je Se	tting					
Attendance Point	APP timin	ıg push						
Holiday Maintenance								+ Add
 App timing push 	No.		Push content		lotice to	Push statu		
	1	RD	Late, Not check in	u	ser	Enable	∠ ×	
			+ Add push rules Attendance Group			×		
			Push status					
			Push content	☑ Late □ Leave	☐ Not check in Early ☐ Not check out			
			Notice to	Select A	II -			
					OK Cance			

Step 2 Choose the attendance group, enable "Push Status".

Step 3 Tick the push contents, and select notice to send.

Step 4 Click "OK" to save the settings.

34 Attendance Preview

At this page, you can manage employee attendance through the face detection cameras.

This function only supports face detection cameras.

On the main menu page, click to view the detailed interface, as shown in Figure 34-1.

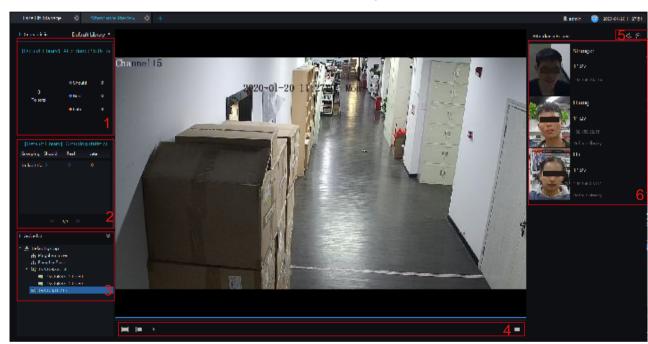


Figure 34-1 Attendance interface

No.	Function	Description
1	Attendance statistics	Show the number of person who is due, real, late
2	Group statistics	Show the statistics of different groups.
3	Devices list	The device of face detection. Show the device and group.
4	Video layout/ Full screen	Switch layout mode. Click to enter full screen.
5	Audio/Setting	Open or close audio/set card parameters.

No.	Function	Description
6	Snapshot of attendance	Basic information of snapshot.

Procedure:

Step 1 Select a display device to play live video.

Step 2 The personnel information captured by the device when the staff pass the attendance point

Step 3 Click the Settings icon to set the attendance related parameters.

			×			×
Card Size	Medium			Card Size	Medium	
Stranger				Stranger		
Attendance Library	Stranger			Attendance Library	Stranger	
Period	Attendance time			Period	All Day	
Sign In	🗹 Name	🗌 Time		Voice	welcome	
	Punch successf	ul				
Sign Out	🗾 Name	🗌 Time				
	Punch successf	ul				
Other	🗹 Name	🗌 Time				
	Mello hello					
		ОК	Cancel			OK Cancel

Figure 34-2 Card parameters of library

35 Attendance Statistics

In the attendance statistics interface, users can set the query conditions to quickly find relevant statistics.



On the main menu page, click

to view the detailed interface, as shown in Figure 35-1.

								👤 adn	in 54 2019-11-11 19:3
Data									
Attendance Library	Attenda	nce Statistics							企 Export
 ✓ ♣ Default ✓ ♣ RD 	Number	Name	Department	Should	Real	Completion	Late	Leave Early	Late And Leave Early
M HU	1001	HU	RD				0		
UNKOWN V LXJ	1002	UNKOWN	RD		0		0	0	0
✓ TYC ✓ WB	1003	LXJ	RD		0		0		0
🗹 GBZ	1004	TYC	RD					0	0
☑ LG ☑ LW	1005	WB	RD		0				
MZW	1006	GBZ	RD		0		0	0	0
✓ TZQ ✓ LBY	1007	LG	RD				0		0
🗹 LHF	1008	LW	RD		0		0	0	
☑ TYM ☑ LBL	1009	MZW	RD						
I OFX PZL	1010	TZQ	RD		0		0		0
✓ P2L ✓ 123	▼ 1011	LBY	RD					0	0
	1012	LHF	RD		0		0		0
ime	1013	TYM	RD		0				
Month	▼ 1014	LBL	RD						
ustomer Time	1015	OFX	RD		0		0		
	1016	PZL	RD				0		
	1017	123	RD				0		
	▼ 1019	LFC	RD						
	10161	cartoon							
Query Type	1021	LXH	RD						
Attendance Statistics	▼ 1022	GYC							
	1023	LGY	RD	5	0	5	0	0	0
Reset Search									

Figure 35-1 Attendance data

Procedure:

Step 1 Select personnel of library.

Step 2 Choose time or set customer time.

Step 3 Select query type; click "Search" to query.

Step 4 Result show in area 3.

Step 5 Click "Export" to export the result.

36 Temperature Configuration

Configure person temperature para

to view more detailed interface, as shown in Figure 36-1.

This function is only subject to thermal cameras.

Procedure:

Step 1 Click "Temperature" to modify temperature configurations.

Step 2 Input the information of threshold, as shown in Figure 36-1.

Step 3 Click "Save" to save the settings.

On the main menu page, Click

									i iguite .	perature			
Attendance statistics	8	Temperature config	8	Main Menu		⊗ +	-			👤 admin	53 20	19-11-11 19:44:4	D
Temperature													
												Save	
			Low	er Temp Threshold	20.0			°C					
			Ove	r Temp Threshold	38.0			°C					
				m Interval	60			s					
				mal Temperature	36.9	°C		۰c					

Figure 36-1 Temperature

37 Temperature Search

Temperature Search Query historical body temperature

to view more detailed interface, as shown in Figure 36-1.

On the main menu page, Click

This function is only subject to body temperature cameras.

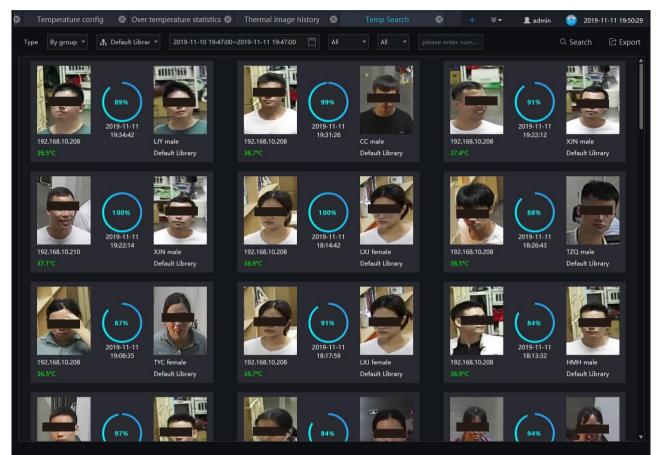


Figure 37-1 Temperature search

Procedure:

- Step 1 Choose the type and library of searching.
- Step 2 Set the start and end time.
- Step 3 Choose the personnel and temperature type.
- Step 4 Click "Search" to view the result.
- Step 5 Click "export" to export the result to local folder.

38 Health Archives

At health archives interface, user can track and observe the health status of the person, check the body temperature trend, and the recent over-temperature dynamics; you can also filter, retrieve, and export the person health file.

This function only supports body temperature cameras.

38.1 Archives Manage

Live View-1	8 Heal	th Archives 🛛 😣	+			👤 adm	in 50	2019-11-11 20:40:34
Archives Manage A	Archives Searc	h						
▼ La Default Library ▶ La RD		Health Archives			2∠ Update	Dynamic		
류 TP ▶ 류 school HU			Name: HU	Gender: fema	ale			
MZW TZQ XHB			Birthday: 2000-01-01	ID Card: 100 ⁻				
ZRB LBY SGJ			Class: Default Library	Creation Time: 2019	9-10-25			
CC CJL TJ FJC		Physical examination da Height:	ta Weight:		Vision:			
FJC LFC PLL HMH		Major medical history:						
LIY UNKOWN		Family medical history:	trand					
cartoon FSC XJN		Body temperature						
LXH LXJ TYC								
WB GBZ LG								
LW		38						_
		36		•				3
		35	11-06 11	-07 11-08	3 11-09			

Figure 38-1 Health archives

No.	Function	Description
1	Personnel list	Show the people of library.
2	Operation	Update the information. Dynamic: click the name to show dynamic temperature.

No.	Function	Description
3	Detail information	staff information and body temperature trend display, click or roll the mouse wheel, switch to the body temperature chart to the one day .

38.2 Archives Search

Procedure:

Step 1 Input the name.

Step 2 Select the face library.

Step 3 Click "Search" to query the archives search.

Step 4 The result will show on interface.

Step 5 Click "Export" to export the result to local folder.

Archives Searchives Searchives Searchives Searchives Searchives Class Class Default Libr Default Libr Default Libr Default Libr Default Libr	ary: 🛃 Defau Number . 10021 . 100201 . 10023 . 100205	ult Library Height 182cm	Weight 76kg	ID Card: Unition Vision 1.2/5.4	Major medical histo 无	ry Family medical history 无	y More 2 2 2 2 2 2 2 2 2 2 2 2 2	Q Search	1 Export
Class Default Libr Default Libr Default Libr Default Libr	Number . 10021 . 100201 . 10023 . 100205	Height	Weight	Vision			2 2 2 2	Q Search	£ Export
Default Libr Default Libr Default Libr Default Libr	. 10021 . 100201 . 10023 . 100205						2 2 2 2		
Default Libr Default Libr Default Libr	. 100201 . 10023 . 100205	182cm	76kg	1.2/5.4	无	ž	۲ ۲ ۲		
Default Libr Default Libr	. 10023 . 100205	182cm	76kg	1.2/5.4	£	无	∠ ∠		
Default Libr	. 100205	182cm	76kg	1.2/5.4	无	无	2		
		182cm	76kg	1.2/5.4	无	无			
Default Libr	. 10027						۷.		
							▼		

Figure 38-2 Archives search

39 Temperature Statistics

On the main menu page, Click

to view more detailed interface, as shown in Figure 40-1.

This function only supports temperature detection cameras.

ار

Only processed over-temperature alarms are counted in the statistics.

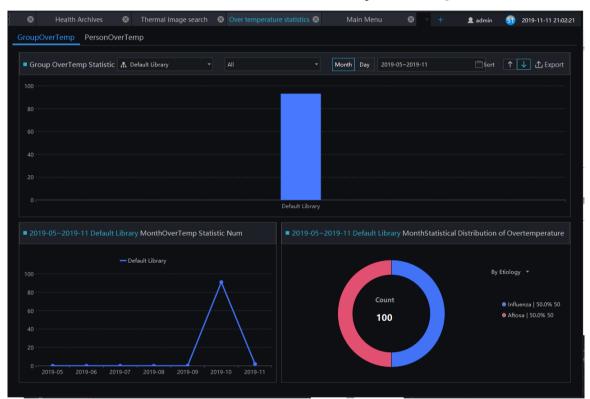


Figure 39-1 Temperature Statistics

39.2 Group Over Temperature

Procedure:

Step 1 Select the face database and summarize the type. You can view a summary of the month or day.

Step 2 Set the display sort type.

Step 3 Results can be exported to a local folder.

Step 4 Select to view the personnel over temperature.

39.3 Person Over Temperature





40 Thermal Image History

At the thermal temperature interface, you can search the temperature recording of thermal temperature cameras

This function only supports temperature detection cameras.

On the main menu page, Click

to view more detailed interface, as shown in Figure 40-1.

Figure 40-1 Thermal image interface

Thern	nal Temp +						👤 admin 🛛 💁	2019-04-26 09:54
Device	📾 All Device 🔻 A	rea 🛛 All Area 🔫	Temperature 35.8		55.8	Type All		
Time	2019-04-25 09:53:45~2019-04	-26 09:53:45 📄 Interval	5s 🔻 Keywo	rd Non-Required O				3 Sear
No.	Device Name	Area	Time	Max Temperature	Min Temperature	Average Tempera	Alarm Temperature	
2	192.168.79.158_CHN001	Area0	2019-04-26 09:20:05	40.0172	29.6605	32.8368	48	
	192.168.79.158_CHN001	Area0	2019-04-26 09:20:20	39.9956	29.89	32.9045		
4	192.168.79.158_CHN001	Area0	2019-04-26 09:20:25	39.9956	29.4724	32.7466		
	192.168.79.158_CHN001	Area0	2019-04-26 09:20:35	40.0387	29.1045			
	192.168.79.158_CHN001	Area0	2019-04-26 09:20:40	40.0602	29.8675	32.8143		
	192.168.79.158_CHN001	Area0	2019-04-26 09:20:50	39.9956	29.8675	32.7466		
	192.168.79.158_CHN001	Area0	2019-04-26 09:20:55	40.0929	29.3672	32.7808		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:05	39.9419	29.7891	32.8033		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:10	39.9203	29.8116	32.7808		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:20	39.8553	29.8341	32.6906		
12	192.168.79.158_CHN001	Area0	2019-04-26 09:21:25	40.0498	29.9914	32.7808		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:35	39.9635	29.414	32.7583		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:40	39.9635	29.8116	32.7808		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:50	40.0498	29.696	32.7583		
	192.168.79.158_CHN001	Area0	2019-04-26 09:21:55	40.061	30.0035	32.8375		
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:05	39.9747	30.0035	32.7924		
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:10	39.8882	29.8682	32.7022	48	
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:20	39.9747	29.8682	32.7473		
20	192.168.79.158_CHN001	Area0	2019-04-26 09:22:25	40.061		32.7699	48	
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:35	39.9315	29.661	32.7924		
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:40	38.0301	28.9657	33.2209		
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:50	39.9964		32.7022		

Table 40-1 Temperature alarm

No.	Function	Instruction	
1	Temperature querying setting	Setting temperature search structure, Starting / Ending time, processing status	
2	Querying condition	Start and end time, interval and keyword	
3	Search	Search by the setting conditions	
4	Displaying information	Basic information display of temperature alarm	
5	Page information	Page number, number of pages per page, total Switch to next page	

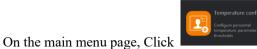
Procedure:

Step 1 Choose the group / Organization .

Step 2 Setting Searching starting / ending time, processing.

Step 3 Click "Search" the temperature alarm recording.

41 Thermal Image Configuration



to view more detailed interface, as shown in

This function is only subject to thermal cameras.

Figure 41-1	Thermal	image	configu	ration
	1 merman	mage	eoninge	ration

Live View-1 🛛 🛞 The	ermal image config 🛛 🕺 🛛 Device (Config 🛛 😣 🕂	👤 admin	2019-11-11 20:29:25
Device ▼ ∄ Default ∄ SZSRTEET ■ 192.168.0.168	Over Tempature Alarm Sn	O Alarm Config		
 ■? 192.1680.0167 ■? 192.1680.0199 ●? 192.1680.169 ●? 169.254.10.50 	Snap Interval Snap Count	1 sec		
	Defence Time	Defence Time		
			Copy to	Apply

Procedure:

Step 1 Select the camera you want to set in the thermal imaging device list.

Step 2 Turn on the over-temperature alarm capture, set the capture interval and the count of captures.

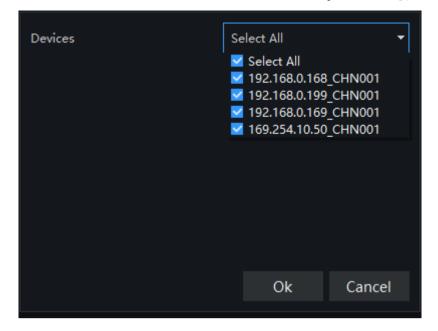
Step 3 Set the arming time, you can pull the mouse, or select all.

Step 4 Click Copy to to copy the setup parameters to other cameras.

Step 5 Click "Apply " to save settings.

Step 6 Click "Copy to", as shown in Figure 41-2

Figure 41-2 Copy to



42 Thermal Image Search

At this page, you can search the body temperature from the recording.

This function only subject to the body temperature detection cameras.

On the main menu page, click to view more detailed interface, as shown in Figure 42-1.

 Uve View-1

 Health Archives

 Thermal Image search

 +
 1 admin

 2019-11-12 204821

 Poice # # 192.168.0.169 # 192.168.0.169 # # 192.168.0.169 # 192.168.0.169 # # 192.168.0.169 # # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 # 192.168.0.169 #

Figure 42-1 T	emperature search	interface
---------------	-------------------	-----------

Table 42-1 Tem	perature search
----------------	-----------------

No.	Function	Description
1	Device list	The thermal image devices
2	Search time	Set start and end time of searching.
3	Displaying information	Result of searching.

N	No.	Function	Description
4	1	Page information	Page number, number of pages per page, total. Switch to next page.

Procedure:

Step 1 Select the devices.

Step 2 Set start and end time of searching, the default is previous 24 hours.

Step 3 Click "Search" the temperature will show in the display area.

Step 4 Click "Export" to export the result to local folder.