

GENSTAR VMS

CMS (Center Management System)

User Manual

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Introduction

Overview

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

Reader

This document is intended for:

- Technical Support Engineer
- System Manager
- System Operator

Symbol Convention

The following symbols may appear in this document, and their meanings are as follows:

Symbol	Description
	Alert you to a high risk hazard that could, if not avoided, result in death or serious injury.
	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 unanticipated results.
G=™ 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 Manager Server
MDU	Media Distribution Unit	Media Distribution Server
IAU	Intelligent Analysis Unit	Intelligent Analysis Server

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1 Platform Description

The platform can be used for video management of different monitoring scales. It supports centralized management, distributed deployment, multi-user remote access. With 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. Meets a variety of video surveillance solutions.

1.1 System Function

- Multiple front-end devices can be connected. Support IPC, NVR, face capture camera, panda camera.
- 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 functional 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 superior can manage the subordinates.
- Organizational management. Users of a specific organization can be restricted to only view the content of their organization's camera.
- 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 search for faces and support for finding similar faces through faces of library.
- Attendance management. Support face library for attendance.
- AI recognition. Statistics of vehicle, human, etc.
- > Health archives. Manage the health information of personnel, and show the chosen person's temperature.
- Vehicle identify. Real-time view of the vehicle license plate snapshot pictures, relevant warehousing information.
- Attendance management. The face detection cameras can be used to manage employee attendance and face recognition punching.
- Body temperature monitoring. Support human body thermometer to monitor body temperature in the face database to form a health archive.
- 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 centralizes user management, authority management, device management, server management, alarm management, electronic map management, face database management, etc.; Running as a server, can be installed on a separate physical 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; and run as a server, and are installed with the central management server.

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: NIC is Gigabit

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 parameter

1.2.4 Intelligent Analysis Server

The intelligent analysis server is used for face recognition applications; it only supports cameras with face detection; 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 CPU.

Reference:

Туре	Model	ROM	Channel of face detection
CPU	Intel(R) Core i5-7500	8 G	1-3
CPU	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, the fewer the access cameras, the higher quality of real-time video, the denser the flow of people (human faces), the worse quality of real-time video, and can be adjusted according to actual needs. This is only a reference, please refer to actual configure.

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 delete the 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 find the problem in time. The tool will launch as soon as the installation is successful. As shown in figure 1-1.

Η	∃ Server H anagerTool			
Se	rver Name	Status	File Path	
	Database	Running	D:\CMS\CMS\server\mysql\bin\mysqld.exe	
	CMU	Running	D:\CMS\CMS\server\CMU.exe	
	IAU	Running	D:\CMS\CMS\server\IAU.exe	
	MDU	Running	D:\CMS\CMS\server\MDU.exe	
	Watchdog	Running	D:\CMS\CMS\server\Watchdog.exe	
<				>
	DV	Stop 📑	Regist 🗙 Delete 🏟 Config 🕂 Add Server 📑 Exp	ort Log

Figure 1-1	Server	Management	UI
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1.2.5 Client

1.2.5.1 About PC Client

Currently, the client only supports Windows system. It is a kind of software specially designed for video management. Users can remotely access real-time video and video recordings, and manage users, devices, servers, alarms, etc. and meanwhile control devices. The client integrates common users and administrator users to facilitate unified management of resources. The interface is as follows:



Figure 1-2 Client interface

1.2.5.2 About Mobile Client

The Mobile client provides users with wireless-based video surveillance, which allows users to remotely access real-time video and video recorders, receive device alarms and control devices. The interface is as follows



1.3 System Requirement

OS Not support Microsoft Windows 32 bit anymore.

Name	PC Client	Central I Management I Server S		Media Distribution Server		Intelligent Analysis Server (CPU environment)		Intelligent Analysis Server (GPU environment)	
CPU	Intel® Core™ i5-7500 or better	Intel® Core™ i5-7500 or better	In i5	Intel® Core [™] i5-7500 or better		el® Core™ i7 better	Inte or b	Intel® Core™ i7 or better	
RAM	8 GB or more	4 GB or more	8	GB or more	80	GB or more	8 G	B or more	
Network Card				Gigabit/s					
HDD	50 GB or Above	GB or ove 50 GB or Above			e	50 GB or Abo	ve	50 GB or Above	
OS	Microsoft® Window Microsoft® Windows Microsoft® Windows® Microsoft® Window Microsoft® Window				Pro) Prc nterp Serve	(64 bit) o (64 bit) orise (64 bit) er 2012 er 2016			
Software	DirectX 11 or above								
Display Resoluti on	1600×960 and above, default 1920 x 1080								
Video Card									

GPU					NVIDIA GTX 1050 or better
-----	--	--	--	--	---------------------------------

1.4 Deployment Planning

\triangle caution

This content is suitable for administrators to understand the platform before installing, you can choose the appropriate deployment according to different plans.

The platform has good scalability and can support three deployment methods.

- > Mini type: All components of the platform are installed on the same machine.
- > Middle type: The platform client and server are installed on different machines.
- > Large: All components of the platform are installed on different machines.

1.4.1 Mini Method (Standalone Deployment)

All components of the platform, including server components and client components, are deployed on the same physical machine for easy deployment of small-scale monitoring applications.

Figure 1-3 Mini method



1.4.2 Middle Method (Distributed Deployment)

You can install all the server components on one physical machine and the client installs multiple machines.



1.4.3 Large Method (Distributed Deployment)

If the system is large or you can install each server component on a different machine and the client installs multiple machines



2 Installation

2.1 One-Click Installation

One-click installation is a simplified installation of the Mini type, and the installation process does not require any configuration. The platform is quickly installed on a single machine and is installed by default in the system disk 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. You can choose three installation methods, which correspond to the three deployment modes of the platform. The way is as follows:

Mini method: All components of the platform can be installed on a single machine; it is similar to "one click installation".



Figure 2-2 Installtion interface

Middle method: The Sever and Clients installed on differnet machines, build up a distributed deployment

v1.1.3.0.3.0.0 — ×	v1.1.3.0.3.0.0 — ×
Select Option: Need Space 2241 MB	Select Option: Need Space 147 MB
 Server ✓ Center Management Server ✓ Media Distribution Server ✓ Intelligent Analysis Server Client 	 Server Center Management Server Media Distribution Server Intelligent Analysis Server Client
Install path: Free Space 83 GB	Install path : Free Space 83 GB
C:\Program Files (x86)\CMS	C:\Program Files (x86)\CMS
< Back Setup >	< Back Setup >

Figure 2-3 Server installed on a machine

Large Method: All components of the platform are installed on different machines to form a larger system

Client installed on another machine

Figure 2-4



After the server is installed, you need to use the server management tool to configure the IP of the central management server of the media distribution server and the intelligent analysis server, which is convenient for unified management by the central management server. The 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.

🛄 ΝΟΤΕ

0

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

The server management tool runs automatically after the server is installed. The system tray icon is

click and open the menu.

ΗÜ	ServerNanager	Tool		-	×
Se	rver Name	Status	File Path		
	Database	Running	D:\CMS\CMS\server\mysql\bin\mysqld.exe		
	CMU	Running	D:\CMS\CMS\server\CMU.exe		
	IAU MDU Watchdog	Running Running Running	GUID CMU_9C5C8EC2FF010 OK		
<					>
	NU	Stop 🖃	Regist 🗙 Delete 🗘 Config 🕂 Add Server 📑 H	xport L	.og

Figure 2-5 Server manager tool

2.3 Retrieve password



Figure 2-6 GUID

If the user forget the password, please provide the GUID for us, we feedback a new password lasting for one day. User can use it to modify a new password.

3 Login

Server installation is complete, double click on the desktop icon O, input the user, password, and central management server IP, 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 make sure safety of system.



Figure 3-1 Login interface

4 Quick Start

After both the client and the server are successfully installed and running normally, the administrator can login to the system through the client to quickly use the platform as follows. The platform includes basic monitoring applications and smart applications. The smart application is suitable for face recognition and supports our camera with face detection function, including face capture camera and human body thermometer.

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:

	Devices		+						10	2.100.10.11	CHROUTAL	/10/111	ar opean)				👤 admi	n 54	2019-11	-23 15:46:01
√ Filter										C	L Auto Sea	arch	+ Add Devi	ce 🗙	Delete	ln ك	nport	企 Export	t 🛈 De	vice Status
🗆 No.	Device	Name	IP/ID/URL	Device	е Туре	Model		Online {	Grou	p Chai	Protoco		MAC	Server			Opera	tion		
□1	Q Auto	Search																	×	
2	Username	admin		Password	••••	••	*	IP Addres										Q Start	Search	
3	No.	Device	Name		IP Add	ress	MAC			Device Typ		Mo	odel		Chann	el	Result			
6																				
□ 7																				
8																				
9																				
13																				
14																				
15																				
16								111.04		1.0							A -		c1	
17	All device	types	All conne	ct results		Unencry	oted - A	valiable 0 S	selecte								Ac	10	cancel	
			> 50		Tot	al:17	On	line : 16	Offli	ine : 1										

Figure 4-1 Add device

After selecting the device, click "Add" and the camera can assign the specified server. Figure as below:

4.1.2 Add User Permissions

The system has 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.

+ 4	dd User								×
	Username				Password			¥	
	Role Name	Adminis	trator 🔻		Group	Default			
	Remark								
	Menu Privileg	je C	hannel Privilege	Face	e Lib Privilege				
	☑ Select All								
	🗹 Live View		🗹 Playback	5	Z Devices	🗹 Lay	out	Î	ì
	🗹 Log		🗹 E-Map		🖌 Real-time alarm	🗹 Gro	up		
	☑ Users		🗹 Alarm Search	5	Report Statistics	🗹 Fac	e Recognition		
	🗹 Device Config		✓ Servers	5	Temperature Search	h 🗹 Al F	Recognition		
	🗹 Health Archives	s	🗹 Vehicle identify	5	Z Entrance Guard	🗹 Fac	e Lib manage		
	🗹 License plate n	nanage	✓ Face search	5	🖌 License plate search	n 🔽 Pers	son and car se	arch	
	☑ Face match cor	nfig	☑ License match cor	ıfig 📘	Z Temperature config	🗹 🗹 🖌	rm mail		
	☑ Thermal image	config	☑ Thermal image se	arch 🖪	Thermal image histo	ory 🔽 Atte	endance previe	w	
					Save an	d New	Add	Can	cel

Figure 4-2 Add user

4.2 Intelligent Application Configuration Process



4.2.1 Add Front-End Device

Refer to 4.1.1

4.2.2 Add Face Database

This function is used for cameras which support face detection.

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

+	AddLib				×
	Library Name				
	Face Library	🕂 Default Librar	у	-	
	Remark				
		Save and New	Save	Cancel	

Figure 4-3 Add face library UI

After selecting the face library, you can add personnel information. You should select a face photo, as shown in Figure 4-4

+	Person Enroll		×
	Name]
	Gender	Male	
	Birthday	2000-01-01 -	
	ID Card]
	Туре	Teacher -	B
	Face Library	👫 Default Library 🔻	
	Valid Time	Permanent validity -	
	Remark		_
	Picture		-
	🖿 Select File		
	🙆 One key photo		
		Save and New Save	Cancel

Figure 4-4 Person enroll

4.2.3 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.



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

Gen 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 all function at this page
2	New	Click and built a new main menu page

Table 5-1	Main	Interface	Introduction
1 able 3-1	Iviaiii	meriace	muouucuon

No.	Function	Description
3	Alarm Message	Alarm message reminder, click enter the real-time alarm interface directly; more details please refer to Chapter Real-time alarm.
4	Backup	Backup the task, click to display the list of tasks backup and backup history.
5	Operate	Admin Cock Screen F10 Language Help F1 About 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.
6	Setting	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.
7	User	Show current user.
8	Run status	Show CPU and RAM running status.
9	Date and Time	Current Date and Time.

No.	Function	Description
10	Function display area	All function modules are displayed, and the function interface is quickly entered. You can drag the function module to change the placement position.
		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.
		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 Screening, 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 👻		
(i) Snapshot Setting	Flicker Widget	Max Widget	🗋 Delay Widget	
	Alarm Sound	Ignore 👻		
·	Language	English 🔻		
	Home Page	Show Preview Page 🔹	Z Restore Preview Layout	
	Video Proportion	Original Proportion	O Full Screen Proportion	
	Decoding Method	Hardware Acceleration		
	Default Stream	Adaptive 👻		
			Default Save Cancel	

Common Functions	eatures		
Basic Functions 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 5-3 Basic Functions





Figure 5-5 Face Recognition



Figure 5-6 License Plate Recognition



Figure 5-7 Multi-target Recognition



Figure 5-8 Attendance







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) through automatically searching, manually adding or batch importing. The platform supports the following device types: IPC, DVR, NVR, thermal imaging camera, face capture camera, human thermometer devices and so on.

On the Main menu page, click



, enter the detailed page, as shown in Figure 6-1

Figure 6-1 Device Management interface

D	evices	+				2 admin 38 2020-02-28 09:03:00
√ Filter	3			1 Q Auto Search	+ Add Device X Delete 🕁 I	mport 🕂 Export 🕧 Device Status
🗆 No.	Device Name	IP/ID/ doma Device Type Model	Online Subordin	Chan Protocol	MAC Server	Operation
□ 1	192.168.10.216	192.168.10.216 Face Captur	Online Default g	1 Private Proto	IAU_127.0.0.1,MDU:A	∠ × ⊗
🗆 2	192.168.10.126	192.168.10.126 Speed Dome	Usernam Default g	1 Private Proto	IAU:Not Support,MD	∠ × ⊗
3	192.168.10.132	192.168.10.132 Speed Dome	Usernam Default g	1 Private Proto	IAU:Not Support,MD	∠ × ⊗
4	192.168.10.4	192.168.10.4 Thermal Ca	= Offline Default g	1 Private Proto	IAU:Not Support,MD	∠ × ⊗
🗆 5	192.168.10.5	192.168.10.5 IPC	Online Default g	1 Private Proto	IAU:Not Support,MD	∠ × ⊗
□ 6	192.168.0.111	192.168.10.63 Multiobjectiv	Offline Default g	1 Private Proto	IAU_127.0.0.1,MDU:A	∠ × ⊗
□ 7	192.168.10.133	192.168.10.133 Speed Dome	Usernam Default g	1 Private Proto	IAU:Not Support,MD	∠×⊗
8	Device	192.168.10.123 NVR	= Offline Default g	1 Private Proto	IAU:Not configured,	∠×⊚ 2
) 50 ▼ Total:8 0	Dnline : 2 Offline : 6	4		

Table 6-1 Device Management

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.

6.2 Auto Search

The device and the server are on the same network segment.

Procedure:

Step 1 On device management page click

 ${f Q}$ Auto Search

^a enter auto search page ,as shown in Figure 6-2.

Figure 6-2 Auto search page

Q Auto	Search									×
Username	admin	Passwoi	d	$\tilde{\mathbf{x}}$	IP Address				Q Sta	art Search
🔲 No.	Device N	ame	IP Address	MAC		Device Type	Model	Channel	Result	
All device	types 🔻	All connect results	▼ Available	0 Selected	10				Add	Cancel

Step 2 Input the user name and password of the device and set the IP address range to filter.

Step 3 Click "Start Search", the device on the same network as the client will be automatically searched and the search results will be displayed on the current page.

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

G<u>⊷</u>n TIP

All devices can be added to list, but some device is failed to connect, it may be incorrect password or some error settings, modify the settings of device manually.

6.3 Manual Add

Procedure:

Step 1 Click + Add Device 6-1 at device management page, get into manual add device page, as shown in Figure

+ Add Device			×
Device Name			
Device Type	IPC		-
Protocol	Private P	rotocol	-
IP/URL			
Port	30001		
Username			
Password			¥
Group	Default		•
Intelligent Analysis Server	Not Sup	port	-
Media Distribution Server	Auto		•
Save and New	Test	Add	Cancel

Figure 6-3 Manually add device page

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.

Figure 6-4 Server associated

Intelligent Analysis Server Not Support			
	Intelligent Analysis Server	Not Support	•
Media Distribution Server Auto *	Media Distribution Server	Auto	•

Step 1 Input the device name, select the device type, input the IP address/user name/password, and select group

Step 2 Click "test" to check your settings, click "Save and New"

Step 3 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).

cancel, click "OK" to

Step 4 Delete the cameras: tick the No of cameras, click "Delete" to show 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 in Figure 6-5.

Figure 6-5 Device Status

⑦ Devi	ce Status							×
No.	Device Name	IP/URL	Device Type	Online Status	Channel	MAC	Record Status	Last Record Time
1	192.168.10.216	192.168.10.216		Online				
2	192.168.10.126	192.168.10.126						
3	192.168.10.132	192.168.10.132						
4	192.168.10.4	192.168.10.4		Offline				
5	192.168.10.5	192.168.10.5		Online				
6	192.168.0.111	192.168.10.63		Offline				
7	192.168.10.133	192.168.10.133			1			
8	Device	192.168.10.123		Offline	1			
K	< 1 >>>	50 -	Total : 8					∱ Export

Step 3 Click "Export".

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

--End

7 User Management

At the user management page, you can add users /modify user privilege/search/delete user through user management feature

System has default administer and operator administer has all the privileges, operator has partial privileges

On the main menu page, Click

go to detailed page as shown in Figure 7-1.

Device	es 😵	Users	⊗ +		👤 admin	50 2019-04-24 09:56:54
U	ser	Role				
						+ Add 2 × Delete
🗆 No.	Username	Role Name	Group	Remark	Operation	
1	admin	Administrator	Default	admin		
	user	Administrator	Default		∠ × 4	

Figure 7-1 User management interface

Fable 7-1 User manager	nent
------------------------	------

No.	Function	Description
1	User and role	Choose user or role to operate.
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.

Figure 7-2 Add Use	er
--------------------	----

+	Add User								×
	Username				Password		,	¥	
	Role Name	Adminis	strator 🔻		Group	Default			
	Remark								
	Menu Privile <u>c</u>	ge C	hannel Privilege	Fac	e Lib Privilege				
	🗹 Select All								
	🗹 Live View		🗹 Playback		🗹 Devices	🗹 Lay	out	î	
	🗹 Log		🗹 E-Map		🗹 Real-time alarm	🗹 Gro	up	1	
	🗹 Users		🗹 Alarm Search		Report Statistics	🗹 Fac	e Recognition	1	
	🗹 Device Config		Servers		☑ Temperature Search	n 🔽 Al F	Recognition	1	
	🗹 Health Archive		🗹 Vehicle identify		🗹 Entrance Guard	🗹 Fac	e Lib manage	1	
	🗹 License plate n	manage	🗹 Face search		🗹 License plate search	n 🔽 Pers	son and car sear	ch	
	🗹 Face match co	nfig	🗹 License match cor	ifig	☑ Temperature config	🗹 Alaı	rm mail		
	🗹 Thermal image	e config	✓ Thermal image se	arch	☑ Thermal image histo	ory 🔽 Atte	endance preview		
					Save an	d New	Add	Canc	el

Step 2 Input user name, try to set it with numbers and English characters. User name can be set "Administrator" or "Operator".

Step 3 Set login password and group.

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

Step 5 Click "Save and New" or "Add" to save and add user, it will pop-up "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

Use	r	Role			
				+ A	dd 🗙 Delete
🗆 No.	Role Name	Group	Remark	Operation	
1	Administrator	Default	Administrator		
2	Operator	Default	Operator		
3					

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

+	Add Role							×
	Role Name	Name		Rei	mark			
	Group	Default	t 🔹					
_	Menu Privileg	je (Channel Privilege	Face Lib P	rivilege			
	🗹 Select All							
	🗹 Live View		🗹 Playback	🗹 Devices	s	🔽 La	ayout	î
	🗹 Log		🗹 E-Map	🗹 Real-tir	me alarm	🗹 G	roup	
	🗹 Users		🗹 Alarm Search	🗹 Report	Statistics	🔽 Fa	ace Recognitio	n
	🗹 Device Config		✓ Servers	🗹 Tempe	rature Search	V A	I Recognition	
	🗹 Health Archives	s	🗹 Vehicle identify	🗹 Entrand	e Guard	🔽 Fa	ace Lib manage	e
	🗹 License plate n	nanage	☑ Face search	🗹 License	plate search	M Pe	erson and car :	search
	🗹 Face match coi	nfig	🗹 License match config	g 🔽 Tempe	rature config	V A	larm mail	
	🗹 Thermal image	config	🗹 Thermal image sear	ch 🗹 Therma	al image histor	y 🔽 At	ttendance prev	iew
	☑ Attendance sta	tistics	☑ Attendance config	🗹 Traffic	statistics	Ζ Τ	emperature sta	tistics 🖕
					Save and N	lew	Add	Cancel

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

to enter detailed page, as shown in Figure 8-1

G<u>—</u>™ TIP

Support opening up to maximum 4 live view windows simultaneously, and can use mouse to drag out, convenient for multiple screens display synchronously.



Figure 8-1 Live view UI

Table 8-1 Live view

No.	Function	Description	
1	Layout	Video display format, add the layout.	
2	Operation	Set dome device PTZ/ Image parameter.	

No.	Function	Description
3	Video display layout	Start the cruise, save the current layout, single screen, two screens, 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.

Figure 8-2 PTZ adjustment

> Layout	
> Device	
✓ Operate	
∢ Ô>	-
F	^ 7
<	ନ ≻
L	۲ ۲
•	
[#] [#4] @	00
E3 📣	💎 🤋
• Freset	
	· ~ & & &

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.



Figure 8-3 Image adjustment

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



to enter the detailed page, 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
		$\langle 1x \rangle$, Several fold speed slow release, fast release
		Layout display
		Full screen
		, Download back up device video, specific steps please refer to chapter 9.3
		Bath backup, choose multiple channels to backup the video.
		^{1Day} , Select progress bar format



Figure 9-2 Batch backup

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:



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





Step 3 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

Basic Setting	File Setting		^
	Picture Save Path	C:/Users/Administrator/AppData/Local/Sunview/snap	
File Path	Video Save Path	C:/Users/Administrator/AppData/Local/Sunview/record	
(Key) Hotkey Setting	Hotkey Setting		
(i) Snapshot Setting	Function	Shortcut Key	1
	Help Documentation		
	Preview Full Screen		
	Live View		
	Playback		
	Real-time Alarm		
	System Configuration		
	User Management		_
		Default Save Cancel	

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 enable to handle single or batch of alarms.

On the main menu page, please click



to enter the detailed interface, as shown in Figure 10-1

Figure 10-1 Real-Time alarm interface

Real-time	alarm +						👤 admir	· 58 a	2019-04-24	15:04:12
							2 🖻	Alarm Proc	essing 🛛	🗊 Clear
🗆 No.	Alarm Time	Device	Channel	Alarm Type	User	Alarm Statu: Remark	Operat			î
□ 20328										
20327	2019-04-24 15:0	Device	Device_CHN003	Motion Alarm		Unprocessed	2 0	3 🗅		
	2019-04-24 15:0	Device	Channel02	Motion Alarm		Unprocessed	∠ 0			
□ 20325	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			_ I
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			
□ 20323	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	∠ 0			
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			
□ 20321	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			
	2019-04-24 15:0	Device	Channel01	Motion Alarm		Unprocessed	∠ 0			
20319	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	∠ 0	3 D:		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			
20317	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0	3 🗅		
	2019-04-24 15:0	Device	Channel01	Motion Alarm		Unprocessed	∠ 0			
20315	2019-04-24 15:0	192.168.10.210		Motion Alarm		Unprocessed	∠ 0	3 🕞		
	2019-04-24 15:0	192.168.10.208		Motion Alarm		Unprocessed	∠ 0			
20313	2019-04-24 15:0	Device	Device_CHN003	Motion Alarm		Unprocessed	∠ 0			
□ 20212 ◀	2010-04-24 15-0	Davica	Channel02	Motion Alarm		Upprocessed	 / 5	<u>, , 3</u>		
	• • 4						Not show		- 🗆 Sto	p refresh

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

2019-04-2	25 15:32 43.46.4	
- 1	+ 13	
	A A	
	1	
2019-04-24 15:08:45 1	92.168.10.208 (Motion Alarm)	
2013 04 24 15:00.45 1		
Alarm Confim	General	
Alarm Confim	General	
Alarm Confim Remark	General	
Alarm Confim Remark	General	
Alarm Confim Remark	General	

Figure 10-2 Alarm process

Step 3 Click **I** to play back the alarm occurrence video for 30S.

Step 4 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

Query and pro-

to enter the detailed interface, as shown in Figure 11-1

Figure 11-1 Alarm search interface

Alarm Sea	arch 🛞 Mair	n Menu 🛛 😵	+					👤 admin	57	2019-04-24 15:54:39
Alarm Type	Channel Alarm	✓ Select All	→ Alar	m Status Unprocess 🔻 Time	2019-04-23	15:35:46~2019-04-24 15:35:4	6 📋 Device Name		A Q S	iearch 2 🖻 Process
🔲 No.	Alarm Time	Device	Channel	Alarm Type	User	Alarm Statu: Remark		Operatio	n	
☑ 1	2019-04-24 15:3	192.168.10.208	_СН1	Motion Alarm		Unprocessed		∠ ©	<u>+</u>	
□ 2	2019-04-24 15:3	192.168.10.208	_CH2	Motion Alarm		Unprocessed		∠ ₪	<u>+</u>	
3	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
□ 4	2019-04-24 15:3	Device	Channel01	Motion Alarm		Unprocessed		∠ ₪	$\overline{+}$	
□ 5	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		∠ ©	$\underline{\downarrow}$	
□ 7	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	*	
□ 8	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
9	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		∠ ©	$\overline{+}$	
D 11	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		∠ ©	$\underline{\downarrow}$	
□ 13	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©	<u>+</u>	
□ 14	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
15	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed		∠ ©		
□ 16	2019-04-24 15:3	Device	Channel01	Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
17	2019-04-24 15:3	192.168.10.208		Motion Alarm		Unprocessed		∠ ©	*	
□ 18	2019-04-24 15:3	192.168.10.210		Motion Alarm		Unprocessed		∠ ©	$\overline{+}$	
□ 19	2019-04-24 15:3	Device	Device_CHN003	Motion Alarm		Unprocessed		∠ ©	*	
□ 20	2019-04-24 15:3	Device	Channel02	Motion Alarm		Unprocessed d		∠ ©	4 <u>∗</u>	
I< <	1 ->	≻I 20) 👻 Total : 705	₃ 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

No.	Function	Description
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.

to add layout as

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.



to enter the detailed interface, click



On the main menu page, click shown in Figure 12-1.

Figure 12-1	Layout management interface

Layout	+			👤 admin	57 2019-04-24 16:10:13
Layout List	1+	Add Layout*			Save ∽ Cancel
🖽 Add Layout	2	Devices	Layout Name: Add Layout 4 Tour Inter	val: Disable 🔻	
		A. Default A. Default A. Development A. D2:168.10.189 Channel01 Channel02 Device CHN003 Device CHN004 C 192.168.10.208 C 11 C 192.168.10.208 C 11 C 192.168.10.210 C 192.168.20.156 PNS ECO 5SP57-12X 192.168.80.129 T 192.168.80.129 T 192.168.80.129 192.168.80.120 192.168.0.200 192.168.0.200 T 192.168.0.201 T 192.168.0.81.27 T 192.168.0.81.27			
				a <u>6</u>	

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:

Step 1 Click + at the layout list to create a new layout.

Step 2 Input the name of the layout and select the window layout.

- Step 3 Set tour interval.
- Step 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.

Step 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

Query device location

to enter detailed interface, as shown in figure 13-1.

E-Map editing function only admin user is authorized, other users do not have the authority for it.



Figure 13-1 E-Map interface

Table 13-1 E-map

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

No.	Function	Description		
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:				
Step 1 Click , the interface	ce will be shown	as bel	ow.	
+ 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				
	Confirm Cance	el	Confirm Cance	el

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.



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

13.2 Edit Map

Step 1 Click **C** Edit ton enter the edit status, Map Setting elete Map 🛛 🛇 Exit Editi Figure 13-3 Map setting 😚 World Map island ⊘Ok Parent node Map Name Figure 13-4 Add map node 🔏 island Map Name ⊘ Ok Parent node

Figure 13-5 Custom Map



Figure 13-6 Delete map



Step 2 Click Step

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

	Selected Device-3		×			
	 ✓ 1 ➡ 192.168.10.208_CH1 ✓ 2 ♀ 192.168.0.130_CHN001 ✓ 3 ♣ 192.168.0.46_CHN001 					
		Live View	larm Searc			
Step 3 Click to filter the device.	8.					
	Device Type					
	V IPC	🗹 Speed Don	ne			
	🗹 Fisheye	🗹 32MP Panc	promic Cam			
	🗹 Thermal Camera	🗹 Body-Temp	p Detector			
	🗹 Face Capture Camera	🗹 Vehicle Det	tect Camera			
	🗹 Multiobjective Camera	🗹 Other				
	Online Status					
	🗹 Online 🗹 Offline					
	Other					
	🗹 Show Monitoring Area	🗹 Map Aları	m			
-				•		
Step 4 If the alarm is generated, click	to position the	camera, a	nd double	e click to vie	ew the live v	ideo.
Step 5 Click 2 to view the alarm i	information.					

Step 6 Click to set the live video split screen



Figure 13-7 Live video of map

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



Figure 13-8 Live video of alarming

14 Group

For surveillance of a certain scale, an group tree 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



to enter detailed page, as shown in figure 14-1

Figure 14-1 Organization interface

				👤 admin 🛛 👩 2019-04-24 19:34:30
Group +	Basic Information			3 ∠ Edit
赤 Development 赤 basic 赤 addtional 1	Name: Default Contacts: admin		Parent Group: Defa Phone Number: 888	ult 1888
	User	Device		
	No. U	Isername Role Name	Group	Remark
	2 us	ser Administrator	Default	admin
	3 Pa	aulo Administrator	Default	
	4 Le	eo Administrator	Default	

Table	14-1	Organ	izat	ion
aut	14-1	Organ	izai	non

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.

Figure	14-2	Add	group
--------	------	-----	-------

+ Add Group				×
Name				
Parent Group		Default		•
Phone Numbe	er			
Contacts				
Address				
	Save a	nd New	Save	Cancel

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

Log Overy eliest opera Log and server log

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

Figure 15-1 Log management interface

				👤 adr	nin 🙃 2019-04-24 19:50:05
Time	2019-04-23 19:47:42~20	19-04-24 19:47:42 1 📋 Log Type Se	ect All 2 - Log Option invert selecti	ion 3 - Keyword 4	5 Q Query
No.	User	Time	Operate	Remark	î
	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					
	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:3	0980]
	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:	
	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 5SP57-12>	(UID:3988]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:192.168.0.200 UID:1	5078]
	admin	2019-04-24 14:28:11	DeleteDevice	DeleteDevice[Name:啊实打实的 UID:1886	0]
			7		

Table 15-1 Log management

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.

No.	Functions	Description
7	Interface display	Show the current page of logs, and the page displays the number of logs, switch to next page.

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

Aport Statistics Neck device online staturer

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

Figure 16-1 Report statistics interface



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.



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

Devices	8	Device Config 🛛 😣) +				👤 admin	45	2020-02-28 09:19:20
 ➡ Default group ➡ PingShan Street ➡ Feng Lin Street 		Device Info				3 ∠ Edit	⑦ Device upgr	ade	Web Browser
 ♣ 192.168.10.210 ♣ 192.168.10.126 ♣ 192.168.10.132 ➡ 102.168.10.4 		IP/URL : 192.168.10.2	Device Type : Face Capture (Camera	Hardware Version V060631_2		Device Name : 1	92.168.1	0.216
■ 192.168.10.4 ■ 192.168.10.5		ID: 110D16	Device Mode		Software Version : t3.6.0804.1004	4.3.0.10.2.0	Serial Number .		
 ♣ 192.168.0.111 ♣ 192.168.10.133 		Video Encode Se	ensor Setting C	DSD	Motion Alarm	DDNS	Face Detect	ion	Intelligent Analy
e µevice		Main Stream Video Encode Type Video Encode Level Audio Encode Type Resolution Frame Rate	H265 ~ Middle ~ G711_ALAW ~ 1920x1080 ~		Sub Stream1 Video Encode 1 Video Encode 1 Audio Encode 1 Resolution Frame Rate	Type H265 Level Middle Type G711_A D1 25			Î
		L Erama Intanyal	50		l Erama Intania		50		
								Apply	y 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

No.	Function	Description
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 Servers 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

Report Statistic 🛞 Ser	rvers 😵 +	👤 admin 🛛 🜀 2019-04-25 10:42:1
Server - 📼 Default Domain	Server Information	2 Ω Refresh Seackup C Restore ∠ Edit × Delete
CMU_127.0.0.1	Server Name: CMU_127.0.0.1 Server Type: CMU	Domain: Default Domain Start-up Time: 2019-04-25 09:52:50
1	Running State: Online Online Time: Ohrs 49min 17sec	IP:Port: 127.0.0.1 : 10086 Version: 1.1.9.20190415
	Performance Online User Online Device	
	CPU Used	Memory Used
	19%	56%
	CMU_127.0.01 0%	CMU_127.0.0.1 1% 89 MB
	Other 19% Remain 81%	Cther 55% 4502 MB Remain 44% 3540 MB
		Memory Total : 8131 MB Memory Used : 4591 MB 4

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

No.	Function	Description
1	Server	Default Server Domain, CMU/MDU/IAU Server
2	Basic information	 Basic information displays At the main menu interface, click on the server management screen to display the device configuration screen as displayed in Figure 17–1. 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.



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 Click "OK" to save the settings.

Enable the face capture recognition free, the face recognition device will not recognize and compare faces, and all captured faces are automatically recognized as strangers, reducing performance consumption.

19.2 Data Backup

Procedure:

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

📚 Data Backup	×
Backup Type	
Backup Path	
C:\Program Files (x86)\SunView\client 💼	
Backup Progress	
0%	
Download Progress	
0%	
Backup Takes Some Time, Do Not Close Windows	
Start Backup Can	cel

Figure 19-3 Date backup

Step 2 Browser the backup path, click "start backup" to back-up the server's data.

Step 3 After backup successfully, the backup progress display "100%";

Step 4 Click to exit backup.

19.3 Date Recovery

Click

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



Start Restore

Figure 19-4 Restore backup

19.4 Media Distribution Server

19.4.1 Performance



Figure 19-5 Performance

19.4.2 Distribution Status

Figure	19-6	Distribution	Status
riguit	17-0	Distribution	Status

Perfo	rmance D	ispense Video			
No.	Channel UID	IP:Port	Bit Rate Input	Bit Rate Output	Request Time
1	103166_01	127.0.0.1:59566	4181	4185	2018-11-15 15:44:37
2	FFF345_01	127. 0. 0. 1:59581		102	2018-11-15 15:44:57
3	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.

Server	Server Information O Refresh 🗶 Edit 🗙 Delete							
CMU_127.0.0.1	Server Name: Running State: C Log Type:	IAU_127.0.0.1 Inline Error	Server Type: IAU Online Time: 0hrs 56 Data Save Days: 90	Domain: nin 12sec IP:Port: Log Save I	Default Domain 127.0.0.1 : 10100 Days: 7 Day	Star Ver IAU	t-up Time: 2019- sion: 1.1.5.2 Env: CPU V	04-25 09:53:01 20190402 /alid
	Performar	nce Snap Informa	ition					
	No.	Channel UID	IP:Port	Login Time	Face Snap Count	Face Valid Co	Body Snap Co	Body Valid Co
		837_001	192.168.32.156:30001	2019-04-25 09:53:02				
	2	FFFB11_001	192.168.10.208:30001	2019-04-25 09:53:02				0
		FFFB12_001	192.168.10.210:30001	2019-04-25 09:53:02				
			20 🔻 Total :					
On the main menu page, click

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.



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



Report Statistic	⊗	Device Config	⊗	Alarm mail	⊗	+			👤 admin	47	2019-11-09 16:32:48
Alarm mail											
Strategy	+	Strategy1									× Delete
Strategy1		Strategy name		Strategy1							
		SMTP Server ad	dress				SMTP Server port				
		Username					Password		ኊ		
		Sender									
		Accessory image	e quality	Low			Transfer mode	No Encryption			
		Recipient1									
		Mail test									
											Apply

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





Figure 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 compare 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 Mode	Full-screen Face Card	•	FullScreen I	Mode	Full-screen Face Card	
Card Size	Middle	•	Card Size		Middle	
Stranger			Stranger			
Voice policy settings			Voice policy setting	ıs		
Stranger Registered1 +		Delete	Stranger	Registered1 +		Delete
Face Library 🛛 🖉 🏦 Default Lib			Face Librar	Y 🔸 Default Lib	nary Default Library	
Speech 🗹 Over temperatur	e 🔻 📕 Hello visitors		Speech	🗹 Name 🗹 Time	✓ Over temperature ▼	
Voice time Time setting				Hello		
			Voice time	Time setting		
	Oł	K Cancel				OK Cancel

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

to enter the configuration page, as shown in figure 19-1

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

Face Lib Manage	+									🖲 adı	min 🜆 20	20-01-20 10	0.56.18
Face Library	+											-	
A Default Library		Default	t Library						<u>ر + ہ</u>	AddLib	× DeleteLib	Z EditL	ib
🛔 Temporary library		+ Add	× Delete	Import 🕁	⊥ Export	🗘 Manual update	O Setting 2 V	Filter	4□ Display s	ubordinate	e organization	:= 8	8
		🗆 No.	Name	Genc Birthda	ay ID Card	Туре	Face Library	Valid Time	Remark	Opera	tion		
		□ 1		Fem 2000-01	-01 45635376	Teacher	Default Library	Permanent validity		∠ >	ĸ		
	1	🗆 2	Huang	Male 2000-01	-01 422561	Teacher	Default Library	Permanent validity		∠ >	ĸ		
		🗆 3	Gary	Male 2000-01	-01 124968	Teacher	Default Library	Permanent validity		~ >	ĸ		
		4	Jianing	Male 2000-01	-01 458516	Teacher	Default Library	Permanent validity		∠ >	ĸ		
		D 5	WangSh	Male 2000-01	-01 45682165	Teacher	Default Library	Permanent validity		∠ >	ĸ		
		6	Tuyanqiu	Fem 2000-01	-01 1234546	Teacher	Default Library	Permanent validity		∠ >	ĸ		
		□7	Liguangyun	Male 2000-01	-01 4972	Teacher	Default Library	Permanent validity	5	\angle	K		
					50 👻	Total : 7 6							

Figure 22-1 Archives 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

No.	Function	Description
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.

on picture to add stranger to library. Click

Click 🔍 to enter face search.

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



Figure 22-3 Batch input

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

libr	×		
Retention time	-		
Show photos	First snapshot		-
Naming rules	Stranger_First ca	pture time_%c	7
	Example : Strange	er_0601_1	
		ОК	Cancel

Figure 22-4 Temporary library setting

Click ∇ Filter to set filter, as shown in Figure 22-5.

Figure 22-5 Filter

Device Name		Select All	-		
Occurrences(M	Nore than)	10			
Capture time		Customer Time 🔹			
		2020-01-19 14	4:23:39 🔹		
		2020-01-20 14	4:23:39 🔹		
	Reset	Confirm	Cancel		

The temporary library is live update.

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 Library							
	Library Name							
	Face Library	🔒 Default Libra	ry	-				
	Remark							
		ave and Nev	Save	Cancel				

Figure 22-6 Add face library

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	y	2000-01-0	1			
ID Card						
Туре		Teacher				Ē
Face Lib	orary	🕂 Defau	lt Library			
Valid Ti	me	Permanen	t validity			
Remark						
Picture						
+						
-	Select File					
© On	e key photo					
			Save and New	/ Save	C	ancel

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.

Figure 22-9 Best installation angle



Step 7 Click "Save ", the showing "Add person succeed" and add succeed.

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 Figure 22-10.

Face Set
 Auto Refresh Face
 No Refresh
 AutoRefresh
 Automatically updated at Midnight on January 1
 Apply To
 Current Organization
 Current Organization and lower Organization

Figure 22-10 Face setting

Step 2 Choose "No Refresh" or " Auto Refresh".

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 22-11.

Figure 22-11 Filter setting

Name	1		
Gender	A	u	
Туре	A	LL	•
ID Card			
Picture	A	LL	•
	Reset	Confirm	Cancel

Step 2 Input the name need to filter.

- Step 3 Choose the gender , type and photo.
- Step 4 Click "Confirm" to save the settings.

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.

Face comparison 2 + Add x No. Camera IP Address Type Face Library Similarity Enable status Operation Z × X I 192.168.0120.0c1 192.168.01210 Body-Temp Default Library, RD, TP, scho 80 Enable Z × X I 192.168.0133 192.168.0133 Multiobjecti Default Library, RD, TP, scho 80 Enable Z × X I 192.168.0133 I 192.168.0133 Multiobjecti Default Library, RD, TP, scho 80 Enable I × X I I I I I I I I I I I I I I I I I I I	Main M	lenu 😵 F	ace matching config	, × +					👤 ad	Imin	48 201	9-11-09 17:56:32
Image: No. Camera IP Address Type Face Library Similarity Enable status Operation I 192.168.10.208_CH1 192.168.0120 Body-Temp Default Library, RD, TP, scho 80 Enable ∠ × I 192.168.0133 192.168.0133 Multiobjeci Default Library, RD, TP, scho 80 Enable ∠ × I 192.168.0133 192.168.0133 Multiobjeci Default Library, RD, TP, scho 80 Enable ∠ × I 192.168.0133 Hultiobjeci Default Library, RD, TP, scho 80 Enable Imable Imable	Face compa											
No. Camera IP Address Type Face Library Similarity Enable Image: Comparison of the comparison of th										2	+ Add	d 🗙 Delete
1 192.168.10.208_CH1 192.168.10.208 Body-Temp Default Library, RD, TP, scho 80 Enable	🗆 No.	Camera	IP Address	Туре	Face Library	Similarity	Enable status		Oper	ation		
2 192.168.10.210_CH1 192.168.0.133 Body-Temp Default Library, RD, TP, scho 80 Enable Z × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable Z × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable Z × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 2 × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 2 × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 1 × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 1 × 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 1 ×	□ 1	192.168.10.208_CH1	192.168.10.208	Body-Temp	Default Library, RD, TP, scho		Enable		∠	×		
☐ 3 192.168.0.133 192.168.0.133 Multiobjecti Default Library, RD, TP, scho 80 Enable 1 ∠ × 3	□ 2	192.168.10.210_CH1	192.168.10.210	Body-Temp	Default Library, RD, TP, scho	80	Enable		∠	×		
	3	192.168.0.133	192.168.0.133	Multiobjecti	Default Library, RD, TP, scho	80	Enable	1	∠	×		
			50 -									

Figure 23-1 Face Match configuration interface

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.

No.	Function	Description
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.

+ Add Strategy		×	+ Add Strategy		×
Device		•	Device		•
Enable Strategy			Enable Strategy		
Stranger strategy	Strategy1 +	Delete	Stranger strategy	Strategy1 +	Delete
Face Library	M 🚡 Default Library		Face Library	■ ♣ Default Library *Right click and select multiple	
Similarity	80 %		Similarity	80 %	
Linkage Scheme	Compare result 🗌 Trigger alarm 🗌 App Subscribe		Linkage Scheme	Compare result Trigger alarm App Subscribe	
	Send mail			□ Send mail	
				L 10 Output	
Defence Time	Defence Time		Defence Time	Defence Time	
		Cancel			Cancel
	Coniirm	Cancel		Continue	Cancel

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.

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

Smart Search Through picture to search history event and video

to view more detailed interface.



Figure 24-1 Face search

Table 24-1	Smart 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.	

No.	Function	Description
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.

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.

On the main menu page, click

This function is only subject to Face Detection cameras.



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.

No.	Function	Description
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.

Figure 25-2 More conditions

Similarity(0 - 80)	☐ Face size range (width:100 - 500)PX	
0 100	0 1920	☐ Yaw angle(0 - 90)°
☐ Body temperature(35.0 - 42.0)°C	☐ Face size range (height:100 - 500)PX	••
	0 1920	0 90
32 42	Pupil distance range(100 - 500)PX	☐ Pitch angle(0 - 90)°
		0 90
0 1	0 1920	□ Roll angle(0 - 90)°
Confidence(0.0 - 0.8)	☐ Yaw angle(0 - 90)°	
0 1	0 90	Reset Retrieval

26 License Plate Manage

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.

This function only supports cameras with license plate recognition.



On the main menu page, click

Manage license plate prouping, license plate nformation, etc.

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.

No.	Function	Description			
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 + to add license plate library.

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



+ Add Librar	у		×
Library Name			
License plate Lib	🔒 Default Library		-
Remark			
	Save and New	Save	Cancel



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.

Figure	26-3	Add	license	plate
0				r

+	+ Add license plate info						
	License Plate						
	License plate Lib	ib 👫 Default Library 🔻					
	Valid Time	Permanent val	Permanent validity 🔹				
	Remark						
	Save and New Save Cancel						

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

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

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.



On the main menu page, click

to view more detailed interface.

Figure 27-1 License plate configuration

Licen	se plate manage 🛛 🛞	License match config	⊗ +			👤 admin	50 2019-11-11 11:04:26
Lic	ense Plate						
							+ Add × Delete
	lo. Camera	IP Address	Туре	License Plate Lib	Enable status	Operation	
1	192.168.0.123	192.168.0.123	Multiobjective	+ Add Strategy		· · · · · · · · · · · · · · · · · · ·	
				T Add Strategy		^	
				Camera	📑 Channel03		
				License Plate			
				Strange strategy	Strategy1 +	Delete	
				License Plate Lib	▼ ▲ Default Library ▲ garage *20able click and calcut multiple		
				Linkage Scheme	Compare result No entry lib license plate	alarm	
					Send mail		
					IO Output		
				Defence Time	Defence Time		
						Confirm Cancel	
I			Total : 1				

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
Strange strategy	Stategyr	
License Plate Lib	 ▼ M Befault Library ■ A 125 	
Linkage Scheme	Vignt-click and select multiple	
	□ Send mail 👻	
	IO Output	
Defence Time	Defence Time	
		Cancel
+ Add Strategy		×
+ Add Strategy	■ 192.168.10.199_CHN001	×
+ Add Strategy Device License Plate	■ 192.168.10.199_CHIN001	×
+ Add Strategy Device License Plate Strange strategy	■ 192.168.10.199_CHN001	X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib		X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib	I 192.168.10.199_CHN001 Strategy1 + M	X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib		X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib	I 192.168.10.199_CHIN001 Strategy1 + I A Default Library *Right-click and select multiple *Right-click and select multiple Send mail	X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib	I 192.168.10.199_CHIN001 Strategy1 + I a ft Default Library *Right-click and select multiple Compare result ≤ Expired license plate alarm ▼ Send mail ▼ I IO Output	X Delete
+ Add Strategy Device License Plate Strange strategy License plate Lib Linkage Scheme Defence Time	192.168.10.199_CHN001 Strategy1 + Imight-click and select multiple Compare result Expired license plate alarm Gend mail To Output Defence Time	X Delete

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.



view the detailed interface, as shown in

On the main menu page, click

This function only supports the cameras with license plate detection.

Figure 28-1 Vehicle identity interface



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 🛛 🕺 🖌	A Recognition	😣 🛛 License plate	e search 🛛 🛞	Main	Menu 🛛 😣 🕂	👤 admir	n 49 2019-11-11 15:07:04
Time	Search res	ult					🕄 Track 🕂 Export
2019-11-10 14:56:33	• No.	Camera	Time	License Pla	License plate image	License Plate Valid Time	Operation
2019-11-11 14:56:33	- 🗆 1	192.168.0.123_CHN001	2019-11-11 1	G9	7A69	Unidentified	6 2 2
	2	192.168.0.123_CHN001	2019-11-11 1	۱G9	AGS	Unidentified	6 2 2
License plate (optional)	3	192.168.0.123_CHN001	2019-11-11 1		LG9	Unidentified	ē 🛛 2
	4	192.168.0.123_CHN001	2019-11-11 1	.G9	A69	Unidentified	ē 🛛 2
Device	5	192.168.0.123_CHN001	2019-11-11 1		BJ2	Unidentified	ē 🖂 😫
		192.168.0.123_CHN001	2019-11-11 1		J2	Unidentified	1 1 1
▼ □ 鼎 Default □ 鼎 SZSRTEET	07	192.168.0.123_CHN001	2019-11-11 1		132 	Unidentified	e 2
I92.168.0.133	8	192.168.0.123_CHN001	2019-11-11 1	5P0	[SPO]	Unidentified	6 5 2
2 192.168.0.123	9	192.168.0.123_CHN001	2019-11-11 1)48)48	Unidentified	6 🛛 2
192.168.0.195	10	192.168.0.123_CHN001	2019-11-11 1	iPO	520	Unidentified	D N C
🗌 🖙 192.168.10.199	11	192.168.0.123_CHN001	2019-11-11 1	PO	5PO	Unidentified	• •
	12	192.168.0.123_CHN001	2019-11-11 1	PO	520	Unidentified	6 2 2
	13	192.168.0.123_CHN001	2019-11-11 1	PO	iPO	Unidentified	6 🖌 2
	14	192.168.0.123_CHN001	2019-11-11 1	5P0	PO	Unidentified	5 4 3
	15	192.168.0.123_CHN001	2019-11-11 1		3335	Unidentified	• •
	16	192.168.0.123_CHN001	2019-11-11 1		335	Unidentified	6 5 2
	17	192.168.0.123_CHN001	2019-11-11 1		335	Unidentified	6 🛛 2
	18	192.168.0.123_CHN001	2019-11-11 1		35	Unidentified	e 2
	19	192.168.0.123_CHN001	2019-11-11 1		3335	Unidentified	e 2
	□ 20	192.168.0.123_CHN001	2019-11-11 1		5	Unidentified	e 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	333	15	Unidentified	6 2 2
	23			G9			5 2
	24	192.168.0.123_CHN001	2019-11-11 1	.G9	AG9	Unidentified	
Reset Search	K	< 1 → >	50 -	Total : 35			

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

Face Recognition then live view to do face recognition

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



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

No.	Function	Instruction
3	Face/ Resource statistics	The snapshot of face will compare with library, and results show here. Count the vehicles and face/ride bike
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.



Camera	🔻 🗆 🆺 default	
	🗆 🕂 Sofia	
	🜌 🖼 192.168.32.89	
	🗆 🗠 192.168.0.253	
Snapshot type	☑ Car	
	Confirm Canc	el

Face	Resource statistics	
Туре	Today	Count
, <u>*</u> /.	110	194
		1200
Resource st	tatistics(Hour)	
1		
		11:00

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.

5

- 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.

On the main menu page, click

Traffic statistics Graphical display of podestrian and vehicle capture history statistics

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



Figure 32-1 Traffic statistics



Figure 32-2 Device traffic

33 Attendance Configuration

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

Attendance preview 🛛 🔇	Attend	lance config	⊗ +			👤 admin 🛛 577 2019-11-11 16:12:29
Attendance Group Sche	dule Mana	ge <mark>1</mark> Set	ting			
Attendance Group	+	RD			× Dele	te attendance group <mark>3∠</mark> Edit attendance group
Default		Person lis	t manage			
🖻 RD		No.	Name	Gender	ID Card	Face Library
test		1		Female	1001	Default Library
		2	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	LBY	Male	1011	Default Library
			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
		20	LXH	Female	1021	Default Library
		*	010	x4.1.	1011	Default Heread DD
			1 >> 5	50 • Total : 22 5		

Figure 33-1 Attendance configuration

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.

Figure 33-2 Add attendance 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

<table-cell> Person list manage</table-cell>				×
Attendance Group: week				
Face Library	0/713	🗆 week		0/0
▼ □				
			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 Schdule Manage

Attendance Group Schedule Mana	ige Setting										
	Default										
🗎 Default											
	No. Name Attendance Group Face Library Shift Current shift time Scheduling										
week											
	< < 50 ▼ Total : 0										

Figure 33-4 Schedule manage

Procedure:

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

Shift setting Shift maintenance + Add × Delete + Add × Delete Skift name: Skift name: *KKBX Cycle: 1 Week © 2 4 6 8 10 12 14 16 18 20 22 24 Mon 11300 1800 10 12 14 16 18 20 22 24 Mon 11300 1800 1600 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>														
Shift setting Shift maintenance + Add X Delete Shift name: INVARC Cycle: 1 Week - ERECX + Add time X Delete time Clear 0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 11:00<	🛞 Shif	ft setting												×
+ Add X Delete bXUEbx Shift name: D 2 4 6 8 10 12 14 16 18 20 22 24 Mon 1100 1800 1100 1800 10 10 100 <td< th=""><th>Shif</th><th>t setting</th><th>Shift maintena</th><th>ince</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	Shif	t setting	Shift maintena	ince										
+ Add × Delete Shift name: 東以亜次 LK以田次 Cycle: 1 Week + ● 日第三次 - + Add time × Delete time © Clear 0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 11800 1800 11800 1800 1800 1100 1000 1000														
LHL次 Cycle: 1 Week ● 日第四次 + Add time × Delete time ① Clear 0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 11:00 18:00 11:00 18:00 1 18:00 1 <	+	- Add	× Delete	Shift na	me:	默	认班次							
Ki (日本) Add time × Delete time ① Clear O 2 4 6 8 10 12 14 16 18 20 22 24 Mon Tues Tues Thur Thur Thur Thur Thuo Th				Cycle:				Wee						
■ 日報政 + Add time × Delete time ① Clear 0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 1120 18400 Tues 11100 18400 Wed 11120 18400 Fri 1120 18400 Fri 1120 18400 Sat Sun	默认班	次												
0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 11:00 18:00 Tues 11:00 18:00 Wed 11:00 18:00 Thur 11:00 18:00 Fri 11:00 18:00 Sat Sun OK Cancel Apply				■ 日常	班次					+	Add time	X Delete tim	e 🛈 CI	ear
0 2 4 6 8 10 12 14 16 18 20 22 24 Mon 1120 1830 Tues 1120 1830 Wed 1120 1830 Thur 1130 1830 Fri 1130 1830 Sat Sun NK Cancel Apply														
Mon 11:00 18:00 Tues 11:00 18:00 Wed 11:00 18:00 Thur 11:00 18:00 Fri 11:00 18:00 Sat												18 20		
Tues 11:00 18:00 Wed 11:00 18:00 Thur 11:00 18:00 Fri 11:00 18:00 Sat				Mon					11:00		18:0)		
Wed 11:00 18:00 Thur 11:00 18:00 Fri 11:00 18:00 Sat				Tues					11:00		18:0)		
Thur 11:00 18:00 Fri 11:00 18:00 Sat Sun OK Carcel Apply				Wed					11:00		18:0)		
Fri 11:00 18:00 Sat Sun OK Cancel Apply				Thur					11:00		18:0)		
Fri 11200 18800 Sat Sun OK Cancel Apply														
Sat Sun OK Cancel Apply				Fri					11:00		18:0)		
Sun OK Cancel Apply				Sat										
OK Cancel Apply				Sun										
OK Cancel Apply														
OK Cancel Apply														
OK Cancel Apply														
OK Cancel Apply														
											ОК	Cancel	Арр	oly

Figure 33-5 Shift setting

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.

Select time period:								
Select the date to add: □ 1 □ 2 □ 3 [□ 6 □ 7]4 🗌 5							
	ОК							

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

② Shift setting			;	×
Shift setting	Shift maintena	nce		
+ Add	X Delete	Name: Show color:	daily schdule	
daily schdule		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 🔻 3.5 hrs;	
		dust 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 Apply	

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

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

🛱 Daily Scheduling	0 ×							
Attendance Group	Attendance Group Default							
Shift	default sch	-						
Start date	Start date 2019-11-11							
End date	2019-12-11							
Free Check-in	🗌 Free Check-in 🔲 Free Check-out 🗌 Holiday attendand							
ОК		Cancel						

Figure 33-8 Daily scheduling



Figure 33-9 Add temp shifts

∠ Staff scheduling							×
+ Add temp shifts	Attendance staff: TYM		Attendance Librar	y: RD			
Daily scheduling	Period	Please	enter a time perio	d 👻			
default schdule(RD) 2019-10-30-2019-11-29	Effective time	2019-1	1-11	▼ 2019-11-12			
Temp scheduling	Free Check-in	🗌 Free	Check-out	🗌 Holiday a	ittendance	Copy to	Apply
daily schdule 2019-11-30~2019-12-06	daily schdule				All scheduling	2019	
New temp shift1*	Mon	Tues	Wed	Thur		Sat	Sun
2019-11-11~2019-11-12							
			I 11:00~18:00	11:00~18:00	I 11:00~18:00		
							10
	11:00~18:00	11:00~18:00	I 11:00~18:00	11:00~18:00	I 11:00~18:00		
				14		16	
	I 11:00∼18:00	11:00~18:00	I 11:00~18:00	11:00~18:00	∎ 11:00~18:00		
	18	19	20				24
	11:00~18:00	11:00~18:00	11:00~18:00	11:00~18:00	∎ 11:00~18:00		
	25	26		28	29	30	
	11:00~18:00	11:00~18:00	I 11:00~18:00	11:00~18:00	∎ 11:00~18:00	I 11:00~18:00	11:00~18:00
	11:00~18:00	11:00~18:00	1 1:00~18:00	I11:00~18:00	I 11:00∼18:00		

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 Point	Attendar	nce Point										
Holiday Maintenance	🗆 No.	Camera	+ New Attendar	+ New Attendance Point			status Operation					
App timing push		192.168.10.208	Camera			∠ ×						
			Enable Attendance Library	A RD A Default A verset A text	_							
					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	dule Manage	Setting					
Attendance Point	Holiday Mainte	enance					
 Holiday Maintenance 							+ Add
App timing push	No.	Holiday name	Holiday days	2020-01-01	2020-01-03	Operation	
		, su					
		4	- Add holidays		×		
			ridd Holiddys				
			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.

Attendance Group Sche	edule Mana	ige Si	etting					
Attendance Point Holiday Maintenance	APP tim	ing push						+ Add
Ann timing purch		Attendan	Push content	Notice		Push status	Operation	
• App timing push	1							
			+ Add push rule Attendance Push status Push conter Notice to	S Group RD It Late Late Early Select All	Not check in Not check out	×		

Figure 33-12 App timing push

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

Table 34-1	Attendance
14010 0 1 1	1 Incomaniee

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.						

No.	Function	Description
5	Audio/Setting	Open or close audio/set card parameters.
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.

	F	igure 34	-2 Card p	parameters of libra	ıry			
			×					×
Card Size	Medium			Card Size	Mediu	ım		
Stranger				Stranger				
Attendance Library	Stranger			Attendance Library	Strang	er		
Period	Attendance time			Period	All D	ау		
Sign In	Name	🗌 Time		Voice		welcome		
	Punch successf	ul						
Sign Out	🗹 Name	🗌 Time						
	Punch successf	ul						
Other	🗹 Name	🗌 Time						
	Mello hello							
		ОК	Cancel				ОК	Cancel

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.

Data									
tendance Library	Attendan	ce Statistics							ப் Expo
✓ ♣ Default	Number	Nama	Department	Chould	Deel	Completion	Lata	Leave Farky	Late And Leave Farby
✓ ▲ RD ✓ HU ✓ UNKOWN	Number	Indifie		Should	Redi	completion	Late	Leave Early	Late And Leave Early
	1001	HU	RD						
	1002	UNKOWN	RD	5	0		0	0	0
WB	1003	LXJ	RD						
✓ GBZ ✓ LG	1004	TYC	RD						
LW	1005	WB							
MZW TZQ	1006	GBZ	RD						
LBY	1007								
V LHF	1008		RD						
LBL	1009	MZW							
✓ OFX ✓ P7I	1010	TZQ	RD						
✓ 123	 1011	LBY	RD		0				0
	1012	I HF	RD						
ne	1013	тум	RD						
onth	1014	1.01	10						
	1014		RD DD						
stomer Time		OFX	RD						
	1016	PZL	RD		0		0	0	0
	1017	123	RD						
	1019	LFC	RD						
ery Туре	10161	cartoon							
	1021	LXH	RD						
Attendance Statistics	1022	GYC	RD						
	1023								

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 personnel Configure personnel temperature parameters and

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

On the main menu page, Click

This function is only subject to thermal cameras.

Procedure:

Step 1 Enable the abnormal temperature measurement alarm, the snapshot will keep the record of snapshots which are abnormal. Disable the function, the snapshots of abnormal will be abandoned and not show on screen.

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

Step 3 Click "Apply" to save the settings.

Temperature Screening 🛛 🛞	Temperature Config	😣 🛛 Main Menu	۲	+				👤 admin	57	2020-02-26 10:39:39
⁻ emperature Paran										
		Abnormal temperature mea	asurement a	ılarm 🕕	?					
		Lower Temp Threshold	Lower Temp Threshold				°C			
		Over Temp Threshold	Over Temp Threshold			0 °C				
		Alarm Interval		60	0 S					
		Normal Temperature		36.0	°C ~	37.3	°C			
		Ap	ply							

Figure 36-1 Temperature configuration

The abnormal temperature is lower than lower temp threshold or higher than over temp threshold.

37 Temperature Screening

On the main menu page, Click

Temperature Screening Quickly screen personnel for temperature during free preview

to view more detailed interface, as shown in

This function is only subject to body temperature cameras.





Table 37-1 Temperature screening

No.	Function	Description
1	Data statistics	Show the number of snapshot, over temperature.
2	Devices list	The device of body temperature. Show the status and group of devices.
3	Live video	Show the live video, and choose split screens to show many cameras' live video. Show the video at full screen, the snapshot will show by card, as shown in Figure 37-2. Click the bottom of full screen to exit the full screen.

No.	Function	Description
4	Over temperature snapshot	The snapshots of over the normal temperature. Click to delete all over temperature snapshot at the display area.
5	Temperature record	The information of snapshots, include temperature, device and time of snapshot. You can also set voice broadcast and full screen face card.

Figure 37-2 Full screen face card



38 Temperature Search

Temperature Search Query listorical body temperature

to view more detailed interface, as shown in Figure 38-1.

This function is only subject to body temperature cameras.

On the main menu page, Click



Figure 38-1 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.

39 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.

39.1 Arrchives Manage

Live View-1	8								👤 admin	50	2019-11-11 20:40:34
Archives Manage	Archives S	Search									
 ★ 売 Default Library ▶ 売 RD 売 TP ▶ 売 school 	1	Health Archives	Name:	HU	Gender:	2∠ _{female}	Update	Dynamic			
HU MZW TZQ XHB ZRB		Birthday	: 2000-01-01	ID Card:	1001						
LBY SGJ CC CJL		Physical examination of	Class: lata	Default Library	Creation Tim	e: 2019-10-25					
TJ FJC LFC PLL		Height: Major medical history		Weight:		Vision:					
HMH LJY UNKOWN cartoon		Family medical history Body temperature	e trend								
FSC XJN LXH LXJ		40									
TYC WB GBZ LG											
LW		38		•							••••••
		35 11-05		11-06	11-07	11-08	11-09				

Figure 39-1 Health archives

No.	Function	Description
1	Personnel list	Show the people of library.

No.	Function	Description
2	Operation	Update the information. Dynamic: click the name to show dynamic temperature.
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 .

39.2 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.

Figure 39-2 Archives search

										👤 admin	46 2	2019-07-18 11:09
rchives M	anage Ar	chives Search	1									
Name:		Face Librar	ry: 🛔 Defaul	t Library		ID Card:					Q Search	n ① Export
□ No.	Name	Class	Number	Height	Weight	Vision	Major medical hi	story	Family medical history	More		
	mrwang	Default Libr	10021							2		
□ 2	dajie	Default Libr	100201							2		
3	lxh	Default Libr								۷		
□ 4	WHL	Default Libr	100205	182cm	76kg	1.2/5.4				۷		
				Total : 5								

40 Temperature Statistics

On the main menu page, Click

to view more detailed interface, as shown in Figure 41-1.

This function only supports temperature detection cameras.

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



Figure 40-1 Temperature Statistics

40.2 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.

40.3 Person Over Temperature



Figure 40-2 Person Over Temperature

41 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 41-1.

Thern	nal Temp +						👤 admin 🛛 🔂 2019	-04-26 09:54:11
Device	🚍 All Device 🔻 Are	ea 🛛 All Area 👻	Temperature 35.8		55.8	Type All		
Time	2019-04-25 09:53:45~2019-04-2	26 09:53:45 📋 Interval	5s 🔻 Keywo	ord Non-Required C				Search
No.	Device Name	Area	Time	Max Temperature	Min Temperature	Average Tempera	Alarm Temperature	î
1								
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		
	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	32.7917		
	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		
	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			
14	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		
18	192.168.79.158_CHN001	Area0	2019-04-26 09:22:10	39.8882	29.8682	32.7022		
	192.168.79.158_CHN001	Area0	2019-04-26 09:22:20	39.9747	29.8682			
20	192.168.79.158_CHN001	Area0	2019-04-26 09:22:25	40.061		32.7699		
	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		
23	192.168.79.158_CHN001	Area0	2019-04-26 09:22:50	39.9964	29.1277	32.7022	48	4
	< 1 -> >	50 - Total : 213	5					F

Figure 41-1 Thermal image interface

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

No.	Function	Instruction
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.

42 Thermal Image Configuration



to view more detailed interface, as shown in

This function is only subject to thermal cameras.



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 42-2

Figure 42-2 Copy to



43 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

Decey Microl Only to V

to view more detailed interface, as shown in Figure 43-1.

Figure 43-1 Temperature search interface

Live View-1		Health Archives	⊗		⊗ +	👤 admin 🛛	55 2019-11-11 20:48:21
Device ▼	3 7 9 9	rch result					⊥ Export
Time 2019-11-10 20:47:51							
Reset Search			• > >	50 - Tot	al:0 5		

Table 43-1 Temperature 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.

No.	Function	Description
4	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.