



Mobile Center

User's Manual



Foreword

Models

Mobile Center

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
 TIPS	Provides methods to help you solve a problem or save you time.
 NOTE	Provides additional information as the emphasis and supplement to the text.

Revision History

Version No.	Revision Content	Release Date
V1.7.0	Optimize the WEB-side map type, add the API Debug module. Add the client-side BSD alarm module and HOD alarm module.	March 2026
V1.6.0	Add Evidence Center, Driver Driving Record, Driver Portrait and Vehicle Condition Monitoring and other functions.	April 2025
V1.5.0	Add History alarm center, Remote Operation Maintenance and other functions.	June 2024
V1.4.0	Add configuration of active safety alarm rule and BSD alarm and other functions.	November 2023
V1.3.0	Add EVS backup recording, update user management and delete domain user	February 2023
V1.2.0	Add new functions on PC client.	June 2022
V1.1.0	Updated document version. Modified the description of functions at the WEB Manager and client.	January 2021
V1.0.0	First release.	December 2019

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1 Introduction

1.1 Overview

Mobile Center is a professional platform for mobile monitoring. Focusing on the safety and protection on road transportation, public transport and long distance transportation, it integrates video monitoring, electrical map, alarm linkage, intelligent analysis and maintenance, remote operation maintenance, driver driving record, driver portrait, vehicle condition monitoring and evidence center together to form a flexible, scalable, highly reliable and powerful central management system.

The client-server structure provides integrated management, easy connection and multiple businesses cooperation. Basic functions such as management on user permissions, devices, alarms, and central storage make it a professional mobile vehicles management platform.

1.2 Highlights

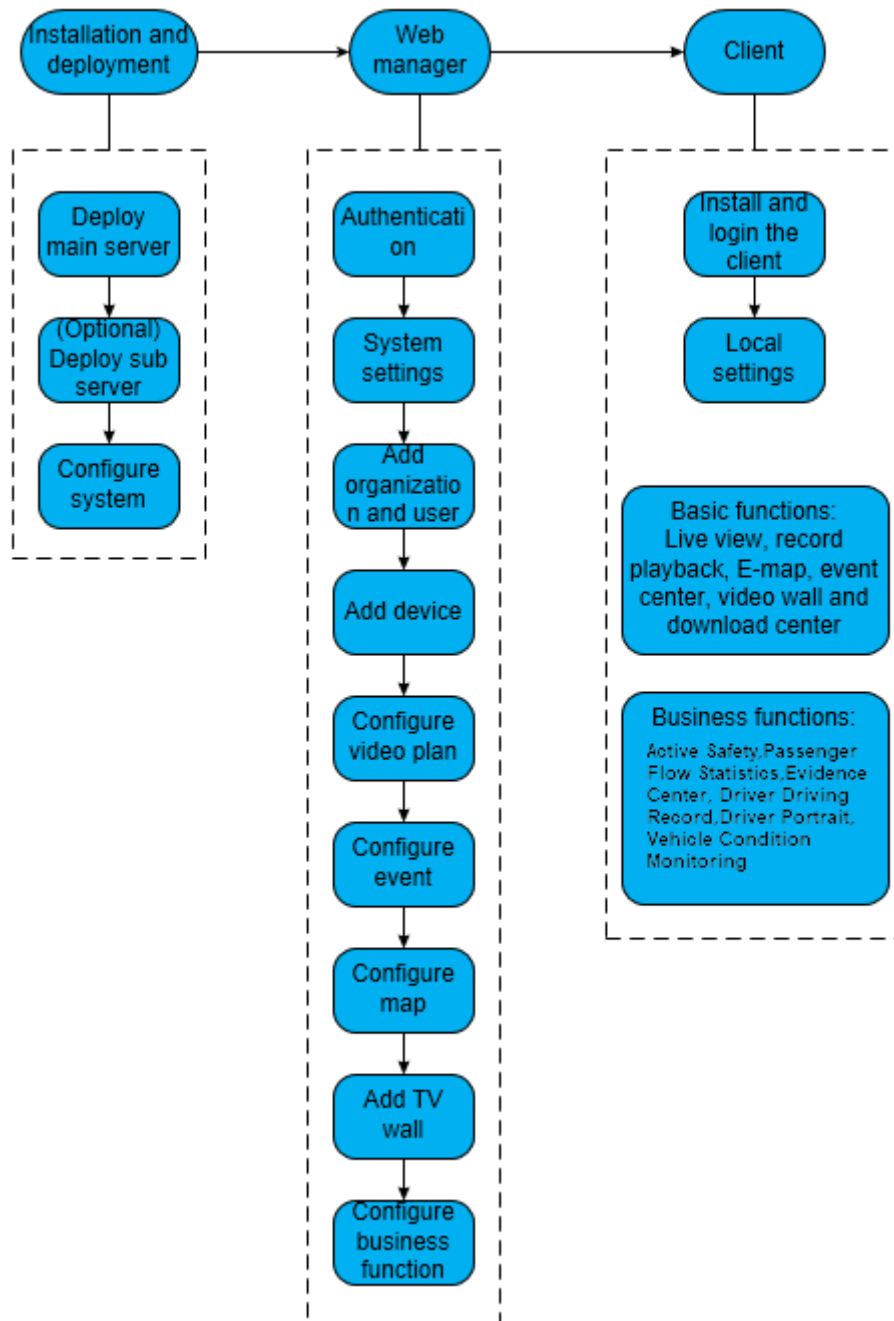
- **Video Monitoring**
Supports live view, playback, video wall and audio intercom on important regions. Connection with the third party cloud platform, and operating on iphone, ipad and Android are available.
- **Alarm Management**
Supports intelligent rule-based alarm plan management, enabling linkage with pop-up alerts, snapshot capture, video recording, and email notifications. It also integrates alarm reporting and unified display functions, visually presenting alarm locations, details, images, and short video clips on a map, while providing graphical statistical reports.
- **Electrical Map**
Supports offline maps of Google Maps, Amap and Baidu Maps, as well as basic map-based video surveillance functions. It also enables vehicle historical track query, real-time positioning and tracking, multi-vehicle track display, voice intercom, information distribution and other operations.
- **Statistical Maintenance**
Supports real-time detection and analysis of device, user, system, disk and network status, and records system logs including user management and business operations.
- **Personnel Management**
Supports issuing personnel information to devices, with real-time visibility of issuing progress and historical records. Also supports returning personnel comparison results to the platform.
- **Vehicle Management**
Supports issuing license plate information to devices, with real-time monitoring of issuing progress and historical records, and enables uploading license plate comparison results back to the platform.

- **Fast Wi-Fi Backup**
Supports connection via EVS to realize fast backup of vehicle-mounted video recordings under Wi-Fi environment, and provides query function for supplementary video recordings.
- **Remote Device Operation & Maintenance**
Supports remote operation and maintenance of devices, including real-time monitoring of device status, issuing commands and parameters, performing remote upgrades, and collecting terminal data.
- **Evidence Center**
Supports downloading alarm evidence in EXE format, including alarm information, captured images, video recordings and alarm locations. It also supports viewing all evidence download records.
- **Vehicle Condition Monitoring**
Supports real-time monitoring of vehicle fuel level, temperature and humidity changes, and generates alarms for abnormal fuel level, over-temperature or over-humidity conditions.
- **Driver Behavior Monitoring**
Supports viewing and statistics of driver driving records, with daily and monthly statistical functions.
Based on driving records, the system can trigger fatigued driving alarms, including single overtime driving, daily overtime driving, weekly overtime driving and insufficient rest.
- **Driver Management & Assessment Analysis**
Supports scoring and assessment of driving records and behaviors based on customized scoring criteria and assessment levels.
It integrates and generates driver profiles that display basic information, assessment results and behavior analysis in a centralized manner, supports viewing scoring details and low-score warnings, realizing integrated management from assessment to panoramic insight of individual capabilities.

2 Business Flowchart

- The chart below shows the general processes done by the Platform.
- The Platform includes three modules: WEB manager, PC client and mobile client. Before logging in to the Platform, you need to deploy the main server.
- This manual mainly introduces the operation of the WEB manager and the PC client. For the operation of the mobile client, please refer to the VIMS-APP user manual.

Figure 2-1 Flowchart



3 WEB Manager

Use IE11 and above browsers or Google Chrome 78 and Firefox to log in to Mobile Center WEB manager.

3.1 Logging in to WEB Manager

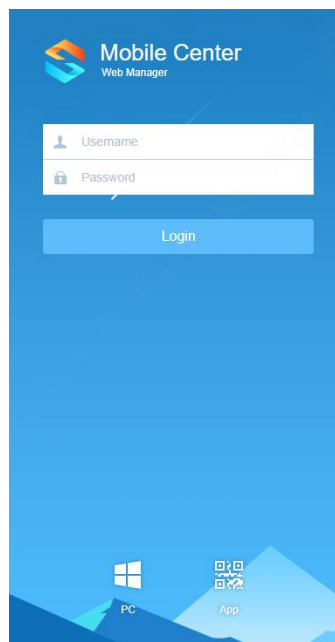
Log in to the WEB Manager of the Platform server on a browser for administrator to operate remotely.

Step 1 Enter the IP address of the Platform in the browser bar, and then press the **Enter** key.



Default access URL: `https://IP:8443`

Figure 3-1 Login interface



Step 2 Enter **Username** and **Password**, and then click **Login**.

The default username is system.



- Upon the first login, the password change interface will pop up. Change the password in time, and then log in to the system.
- If you log in to WEB Manager for the first time, add the Platform IP address as a trusted site of the browser.

Figure 3-2 Homepage

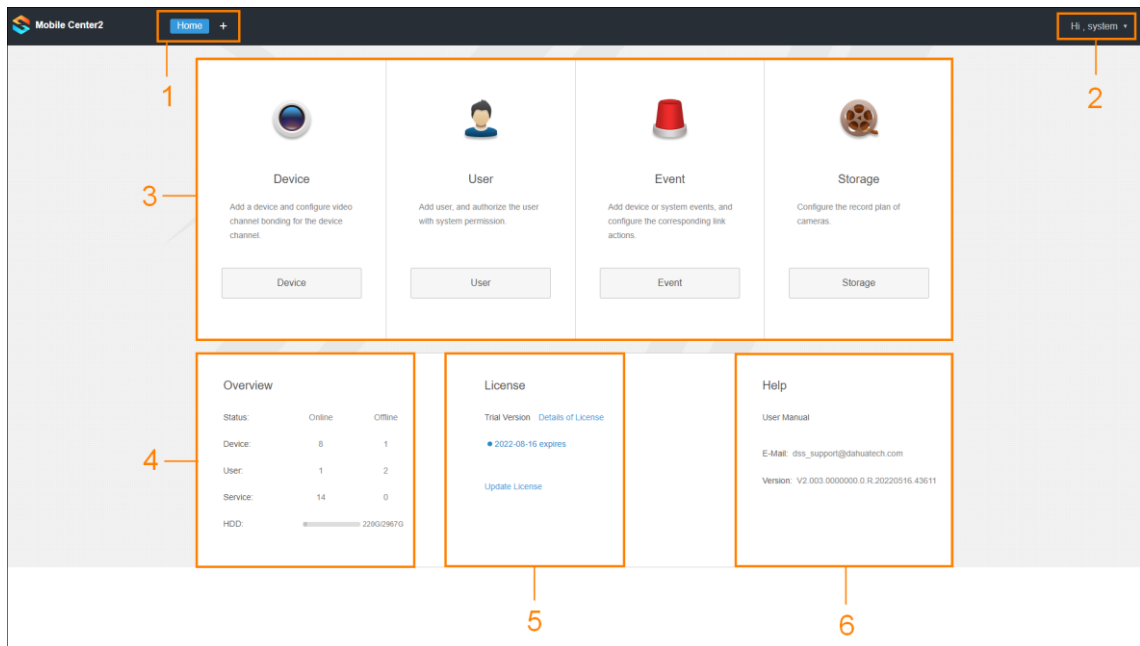


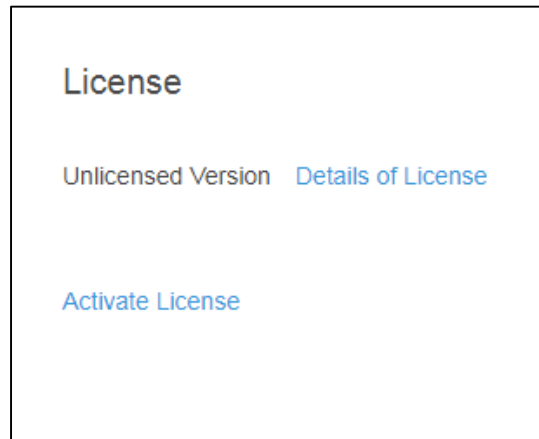
Table 3-1 Homepage description

No.	Description
1	Home : Click to go back to the Platform homepage. + : Click to go to the main menu of the Platform.
2	Hover over the username to change the password or log out of the current account.
3	Shortcuts of common modules.
4	Displays the online or offline status of devices, users and services, and HDD usage.
5	Displays the current license status.
6	View user's manual, contact information, and version information.

3.2 Authorizing License

For the first time, you need to authorize license before login to ensure that the system can add devices properly.

Figure 3-1 Unauthorized



Formal Version Authorization



The license key is provided by the regional salesperson.

Step 1 Log in to WEB and click **Activate License** on Home interface.

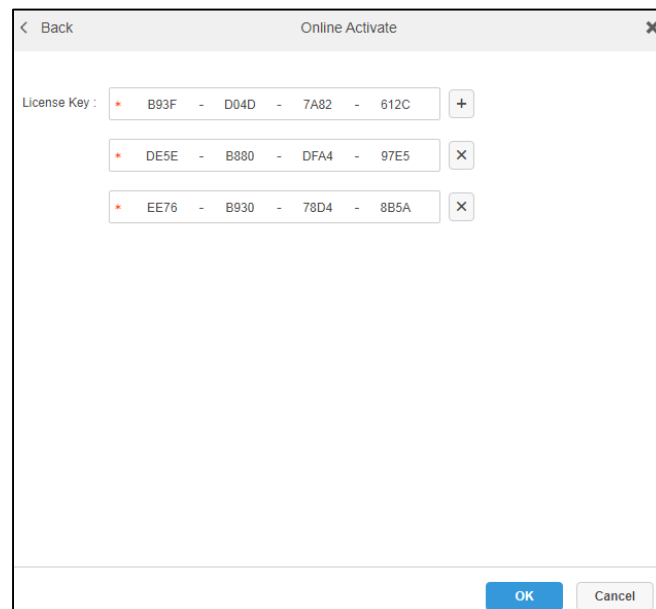
Step 2 Select activation mode.

- **Online Activation:** Under public network, enter the activation code online.
 1. Click **Online Activate** and enter the **License Key**.



Click  to add up to 10 strings of license key.

Figure 3-2 Online activation



2. Click **OK**.

- **Offline Activation:** When there is no network available, you can export license request file and obtain the activation file offline.
 1. Click **Offline Activate** and enter the **License key**.

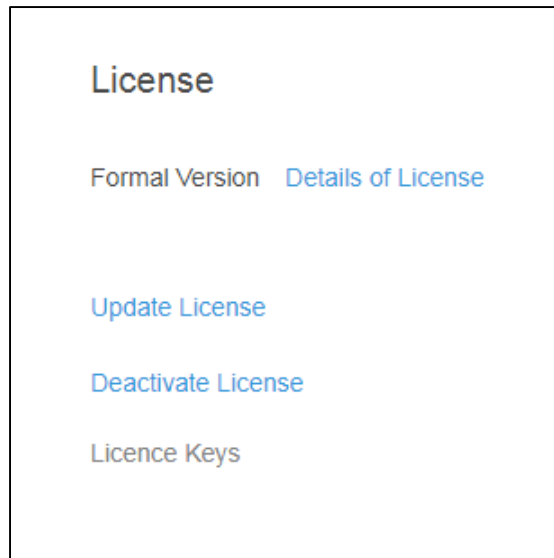


Click  to add up to 10 strings of license key.

2. Click **Export** to export offline license authorization file.
3. Open license management WEB page on a PC which is connected with network, and then upload the exported license authorization file.
4. Download the authorized license, and then click **Import** to import the license.

Step 3 Log in to WEB again after activated.

Figure 3-3 Formal version



- **Details of License:** Used to view information of the basic module and added module.

Figure 3-4 Details of formal license

Details of License			
Device&Channel			
Channel Type	Number of Channels	Used Channels	Expiry date
 Video ✓ Purchased	3600	73	--
 ANPR ✓ Purchased	120	37	--
 restricted face ✓ Purchased	160	37	--
Module			
Channel Type	Expiry date		

- **Update License:** Used for updating the license key.
 - ◇ **Online Update:** Under public network, enter the license key online to activate .
 - ◇ **Offline Update:** When there is no network available, you can export license request file and obtain the activation file offline.
- **Deactivate License**
 - ◇ **Online Deactivate:** Deactivate the activated license, and restores to non-activated status under public network. The license key can be used again.

- ◇ **Offline Deactivate:** export the deactivation file when there is no network available, and then log in to the license server to deactivate. The deactivated license can be used again to activate.

Trial Version

You can use the trial version for a defined time period, once exceeds, it will not be available.

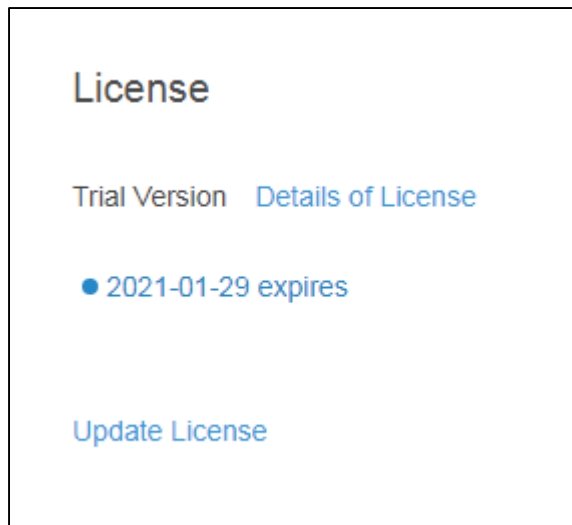
Step 1 Log in to WEB and click **Activate License** on Home interface.

Step 2 Select activation mode from Online Activation and Offline Activation.

Step 3 Log in to WEB again after activated.

The authorization process is the same as the formal version.

Figure 3-5 Trial version



- **Details of License:** Used to view information of the basic module and added module.

Figure 3-6 Details of trial license

Details of License			
Device&Channel			
Channel Type	Number of Channels	Used Channels	Expiry date
 Video ● Trial	64	2	2021-01-29
Module			
Channel Type	Expiry date		

- **Expiry Date:** Shows the date when the trial version expires.
- **Update License:** Used for updating the license key.
 - ◇ **Online Update:** Under public network, enter the license key online to activate.
 - ◇ **Offline Update:** When there is no network available, you can export license request file and obtain the activation file offline.

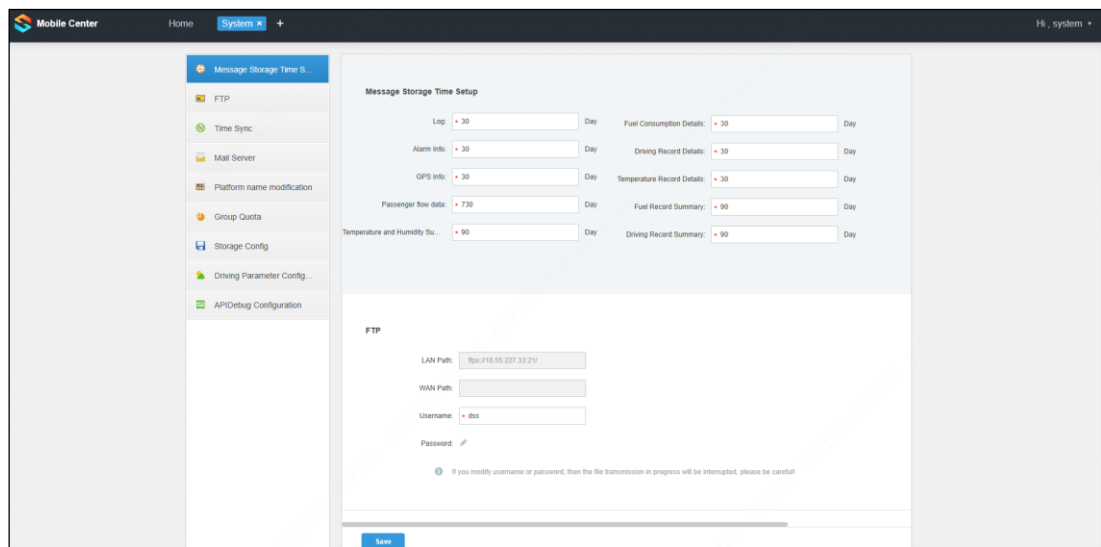
3.3 Configuring System

3.3.1 Configuring System Parameters

Upon the first login, you need to configure system parameters first to make sure that the system works normally.

Step 1 Select  > **System**.

Figure 3-7 Setting System



Step 2 Configure parameters.

Table 3-2 Description of system parameters

Parameter		Description
Message Storage Time Setup	Log	Set the maximum storage time of logs (maximum 30 days).
	Alarm Info	Set the maximum storage time of alarm information (maximum 30 days).
	GPS Info	Set the maximum storage time of GPS Info (maximum 30 days).
	Passenger Flow Data	Set the maximum storage time of passenger flow data (maximum 730 days).
	Temperature and Humidity Summary	Set the maximum storage time of temperature and humidity summary (maximum 90 days).
	Fuel Consumption Details	Set the maximum storage time of fuel consumption details (maximum 30 days).
	Driving Record Details	Set the maximum storage time of driving record details (maximum 30 days).
	Temperature Record Details	Set the maximum storage time of temperature record details (maximum 30 days).

Parameter		Description
	Fuel Record Summary	Set the maximum storage time of fuel record summary (maximum 90 days).
	Driving Record Summary	Set the maximum storage time of driving record summary (maximum 90 days).
FTP	—	- View LAN and WAN paths. - Set username and password.  Configure the LAN and WAN paths when installing server, and can be viewed here.
Time Sync	Scheduled Time Sync	Set the schedule of time syhchronization.
	Start time	Set the start time of time synchronization.
	Sync Interval	The time interval of the system time synchronization. 24 hours by default, that is, every 24 hours. The system time is subject to the server time to synchronize the time of the device and server.  Time synchronization is done through SDK.
	Immediately	Start time synchronization immediately.
	Device Online Time Sync	Enable the function to synchornize the time when the device is online.
Mail Server	—	Set the SMTP server type, port, encryption type, password, sender mail address, test recipient, and other information. When the administrator configures alarm linkage and the client handles alarms, you can send an email to the user, and the mailbox server shall be configured first.
Platform name modification	—	Modify the name and icon of the platform and client.
Group Quota	—	Displays the list of disk groups for each server.
Storage Config	Net Disk	Supports adding network disks, displaying the disk group information under the network disks, and performing configurations.
	Local Disk	Supports retrieving and configuring the physical disks that are locally attached to the server.
Driving Parameter Configuration	—	Supports configuring the over driving alert, daily driving duration, weekly driving duration and rest after over driving duration.
API Debug Configuration	—	Authorization Entry of API Module, supporting authorization file upload.

Step 3 Configure the parameter.

Step 4 Click **Save**.

3.3.2 Device Time Sync

Device time synchronization refers to the process of synchronizing the time of the front-end device with that of the platform server, with the system time of the platform server serving as the reference time. The platform can sync time for all Dahua devices. Supports automatic time sync and manual time sync.

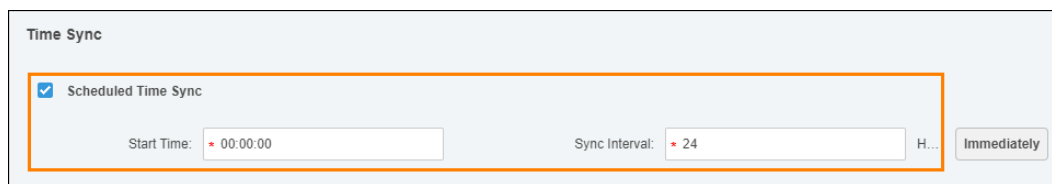
- Automatic time sync: The system automatically synchronizes time at a fixed time or period.
- Manual time sync: You can send a time synchronization request and the system immediately synchronizes the time.

3.3.2.1 Automatic Time Sync

Step 1 Select  > System.

Step 2 Click **Time Sync**, select the **Scheduled Time Sync** checkbox, and then set the time sync parameters.

Figure 3-8 Scheduled Time Sync



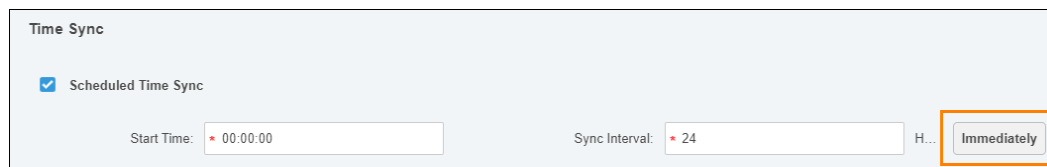
Step 3 Click **Save** to save the configuration.

3.3.2.2 Manual Time Sync

Step 1 Select  > System > Time Sync.

Step 2 Select the **Scheduled Time Sync** checkbox, and then click **Immediately**.

Figure 3-9 Immediate time sync



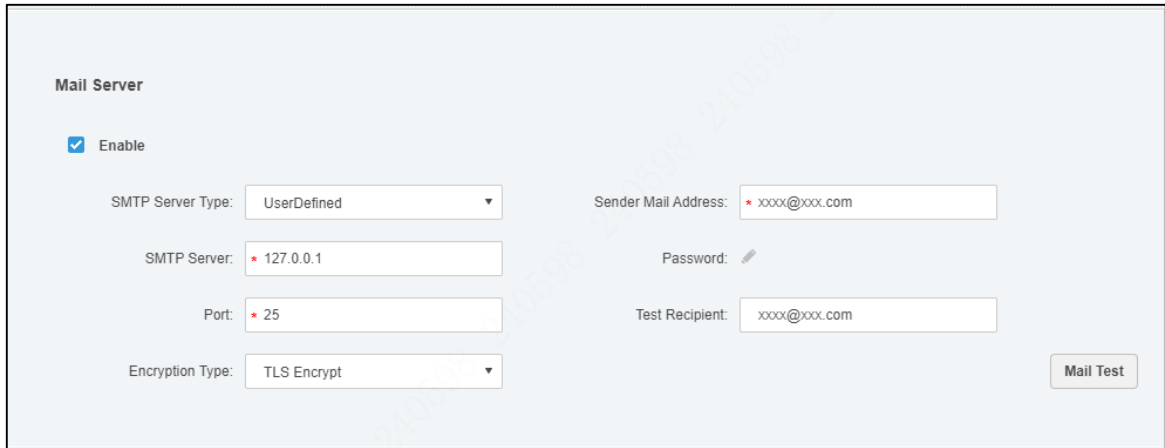
3.3.3 Configuring Mail Server

When the administrator configures alarm linkage and the client handles alarms, you can send an email to the user, and the mail server needs to be configured first.

Step 1 Select  > System > Mail Server.

Step 2 Select **Enable** to configure mail server.

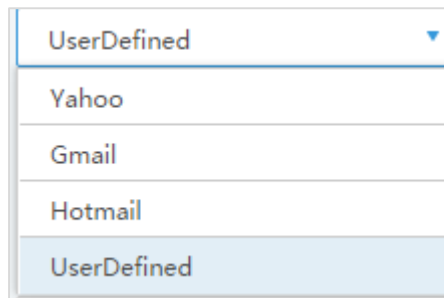
Figure 3-10 Mail server selection



The image shows a 'Mail Server' configuration window. It includes a checkbox for 'Enable' which is checked. Below this are several input fields: 'SMTP Server Type' (a dropdown menu currently showing 'UserDefined'), 'SMTP Server' (a text box with '127.0.0.1'), 'Port' (a text box with '25'), and 'Encryption Type' (a dropdown menu showing 'TLS Encrypt'). To the right of these are 'Sender Mail Address' (a text box with 'xxxx@xxx.com'), 'Password' (a text box with a masked password), and 'Test Recipient' (a text box with 'xxxx@xxx.com'). A 'Mail Test' button is located at the bottom right of the configuration area.

Step 3 Select a mail server type in the **SMTP Server Type** drop-down box.

Figure 3-11 Type selection



The image shows a dropdown menu for 'SMTP Server Type'. The menu is open, displaying a list of options: 'UserDefined', 'Yahoo', 'Gmail', 'Hotmail', and 'UserDefined' (repeated at the bottom). The 'UserDefined' option at the top is currently selected, and the 'UserDefined' option at the bottom is highlighted with a blue background.

Step 4 Set SMTP server IP, port, encryption mode, sender address, password, test recipient, and other information.

Step 5 Click **Mail Test** to test whether the mail server configuration is valid. When the test succeeds, there is a prompt and the test account receives the corresponding email.

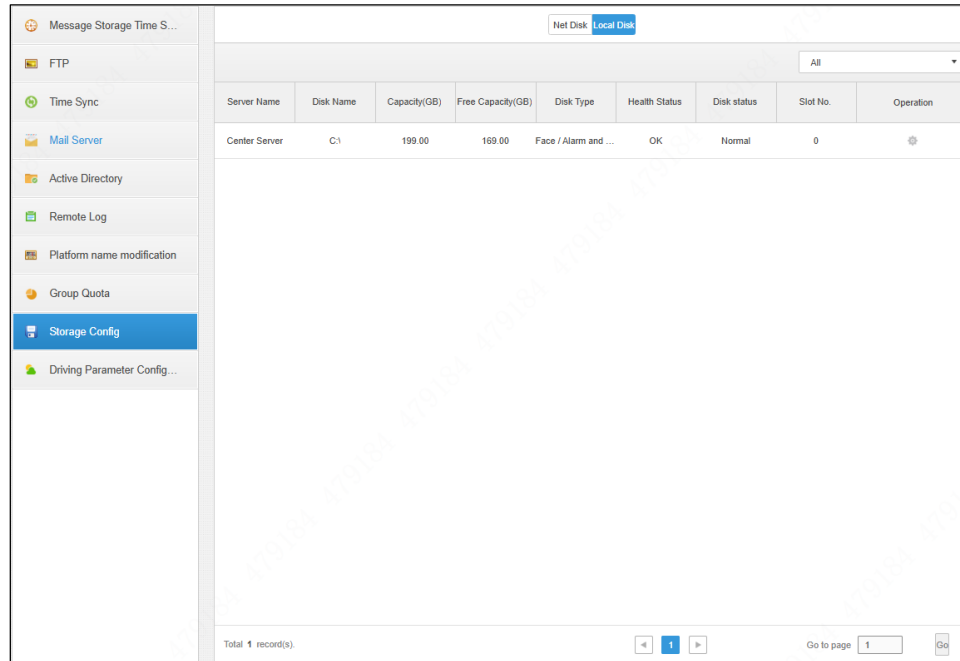
Step 6 After succeed, click **Save** to save the info.

3.3.4 Configuring Storage Disk

Procedure

Step 1 Select  > System > Storage Config.

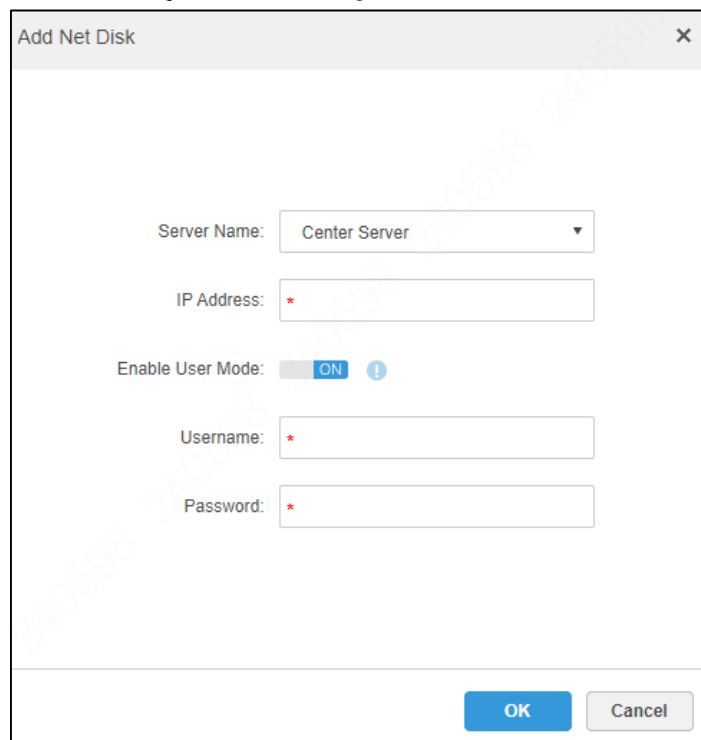
Figure 3-12 Storage configuration



Step 2 Configure disk information, and select **Net Disk** or **Local Disk**

- Net disk
- 1) Select **Net Disk**, and then click **Add**.

Figure 3-13 Adding net disk



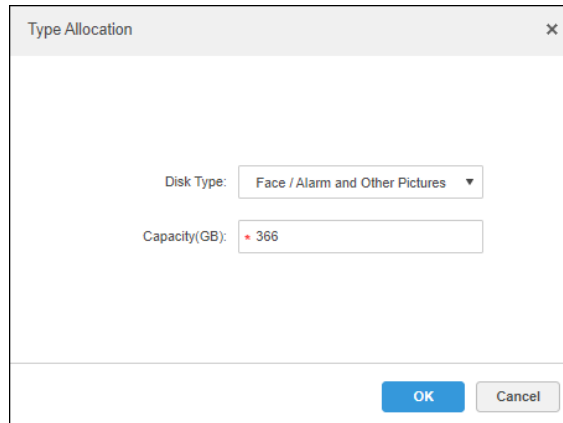
- 2) Configure **Server Name**, and enter the IP address.



- **Enable User Mode** is off: Net disk is directly added in the form of IP and can be added by multiple systems in the same network.
- **Enable User Mode** is on: Only add the storage space allocated to the user (username and password required) from the net disk.

- 3) Click **OK**.
- Local disk
The local disk only supports changing disk type.
- 1) Select **Local Disk**, and then click  in disk operation.

Figure 3-14 Type allocation



- 2) Select Face / Alarm and Other Pictures as disk type.



To make sure that alarm images can be displayed normally, select **Face / Alarm and Other Pictures** as disk type. The capacity cannot exceed the local disk capacity.

- 3) Click **OK** to finish configuration.

Related Operations

Select a disk and click **Format** or  to format it.



After formatting, you can view the disk in the list and confirm whether the disk size and available space are correct.

3.3.5 Configuring Group Quota

Take a single server as the operation unit to group storage disks, and specify the storage path of video channels to a fixed disk group. On the one hand, directional storage is realized through grouping and binding; on the other hand, scheduled storage is realized through the proportional relationship between disk capacity and channels.

Step 1 Select  > System > Group Quota.

Figure 3-15 Group quota

	Name	Status	Operation
Center Server		Online	

Step 2 Click 

Figure 3-16 Editing disk group

1. Set Group.

Not Allocated

	Disk Name	Total Capacity(GB)	Used capacity (GB)
☐	\\.\PhysicalDrive2	7000	794

Group List

	Group Name	Total Capacity(GB)...	Contain
--	------------	-----------------------	---------

>

<

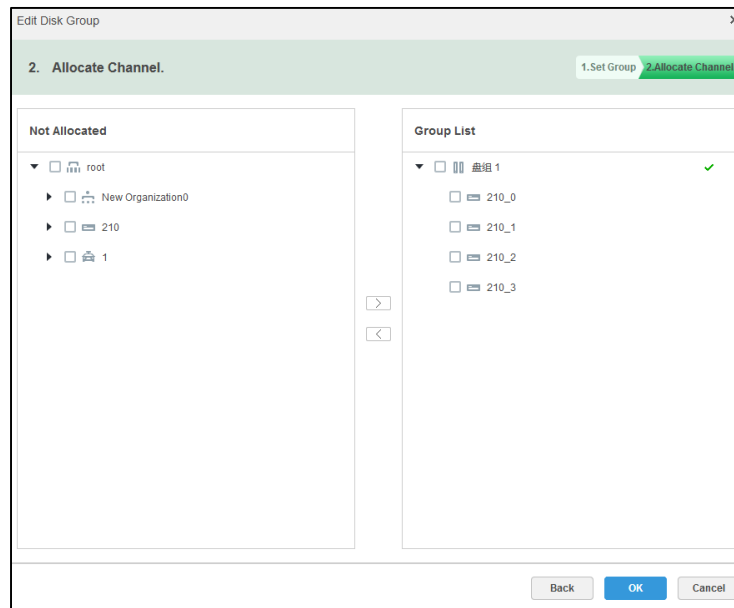
Next

Cancel

Step 3 Select a disk on the left side, and then click  to add it to the group list on the right side.

Step 4 Click **Next** to allocate channels to the disk group.

Figure 3-17 Allocating channel



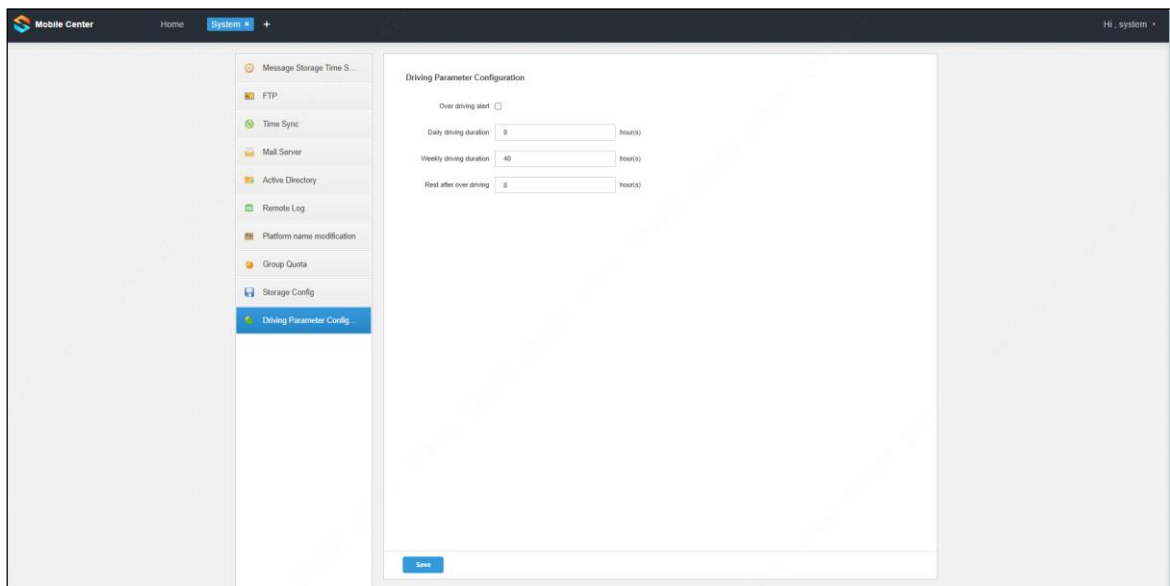
Step 5 Select a channel from the device list as needed, and then click  to add it to the disk group on the right side.

Step 6 Click **OK**.

3.3.6 Configuring Driving Parameter

Step 1 Select  > System > Driving Parameter Configuration.

Figure 3-18 Driving Parameter Configuration



Step 2 Configure the parameters as shown in the table below.

Table 3-3 Driving Parameter Configuration

Parameter	Description
Over driving alart (means Excessive driving hours)	Click ☐ to enable the alert (Excessive driving hours) .
Daily driving duration	Supports configuring the daily driving duration. Range: 0-24 Hours.
Weekly driving duration	Supports configuring the weekly driving duration. Range: 0-168 Hours.
Rest after over driving (means rest duration after excessive driving hours)	Supports configuring the rest duration after driving for too long. Range: 0-24 Hours.

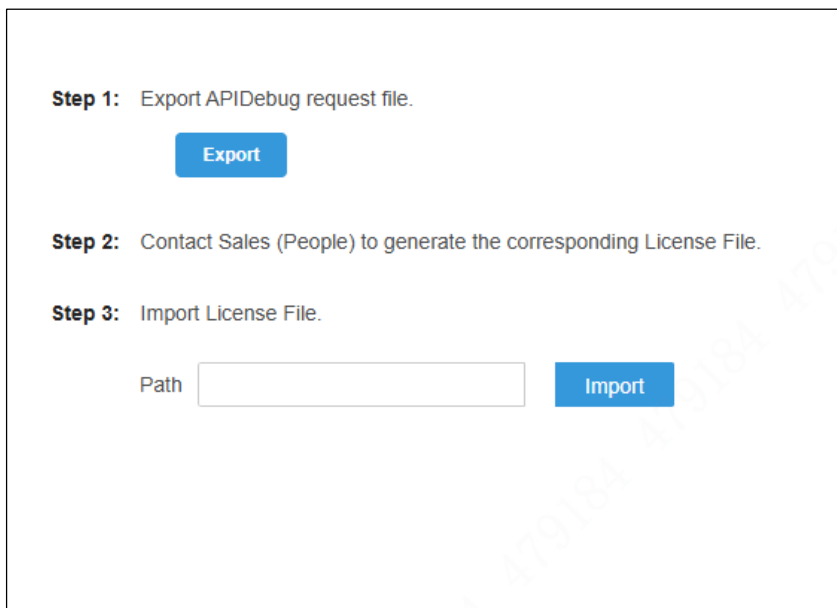
Step 3 Click **Save**. After the 'Saved Successfully' prompt appears, the configuration is complete.

3.3.7 Configuring API Debug

Step 1 Select  > System > API Debug Configuration.

Please follow the steps on the interface.

Figure 3-19 API Debug Configuration



Step 1: Export API Debug request file.

Export

Step 2: Contact Sales (People) to generate the corresponding License File.

Step 3: Import License File.

Path

Import

Step 2 Click **Export**.

Step 3 Please contact sales people to generate the corresponding license file.

Step 4 Click **Import** to import the license file.

3.4 Adding Organization

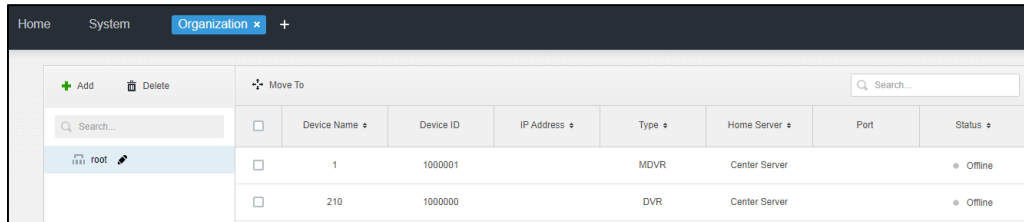
For easy management, add an organization to deploy the organization or device levels. If no organization is added, all users or devices added will be classified under the default organization.

The first-level organization is **root** by default. The added organization is displayed at the next level of **root**.

Procedure

Step 1 Select  > Organization Management.

Figure 3-20 Organization management



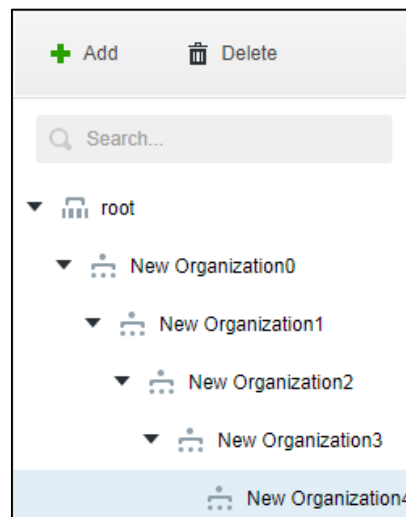
Device Name	Device ID	IP Address	Type	Home Server	Port	Status
1	1000001		MDVR	Center Server		Offline
210	1000000		DVR	Center Server		Offline

Step 2 Select **root** and click **Add**.



There are up to 10 layers in the depth of organization.

Figure 3-21 Adding Organization



Step 3 Enter the organization name, and then press **Enter**.

Related Operations

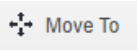
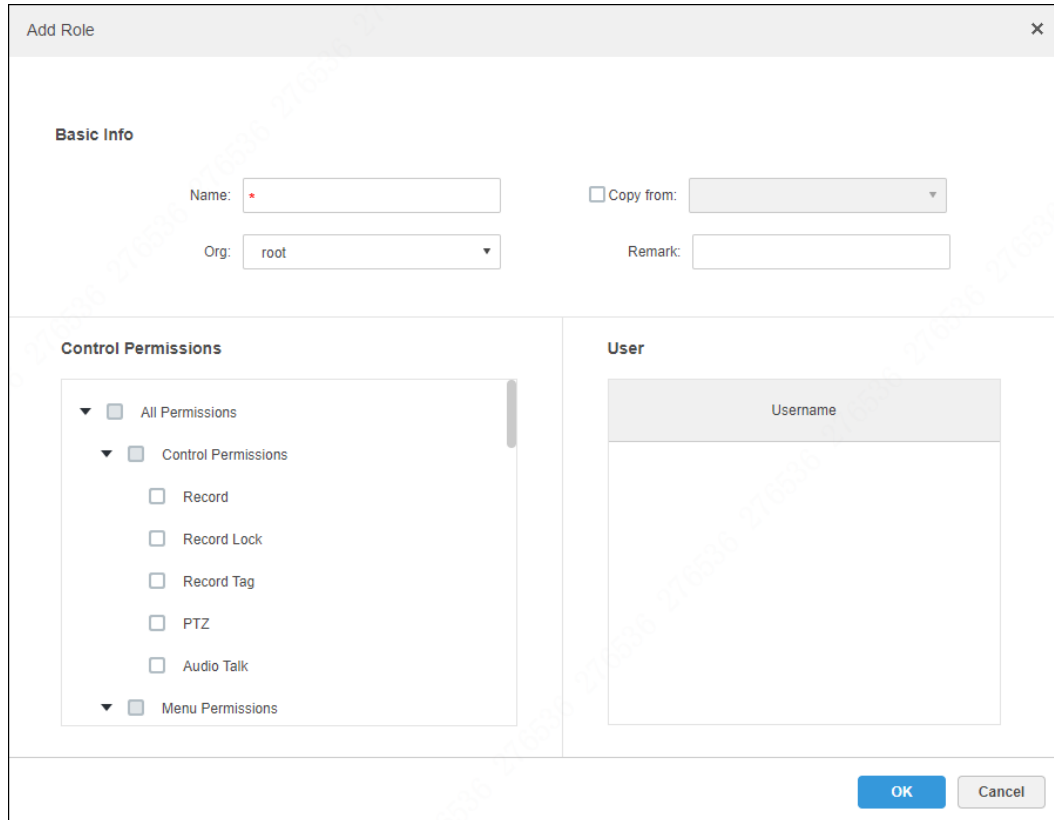
- Move To:** Select a device under the root, and then click  to select **New Organization 1**, and then click **OK**.
- Rename:** Click  to modify the organization name.
- Delete:** Select an organization, and then click  to delete it.

Figure 3-23 Permission configuration



The 'Add Role' dialog box is shown with the following fields and sections:

- Basic Info:**
 - Name: * (text input)
 - Org: root (dropdown menu)
 - Copy from: (dropdown menu)
 - Remark: (text input)
- Control Permissions:**
 - ☐ All Permissions
 - ☐ Control Permissions
 - ☐ Record
 - ☐ Record Lock
 - ☐ Record Tag
 - ☐ PTZ
 - ☐ Audio Talk
 - ☐ Menu Permissions
- User:**
 - Username: (text input)

Buttons: OK, Cancel



If the permission is not selected, the role cannot do corresponding operations on the menu.

Step 5 Click **OK** to add the role.

3.5.2 Adding User

If you have added a role, you can add users to the role.

Procedure

Step 1 Select  > User > User.

Figure 3-24 User tab

Role		Add		Delete		Search...	
User							
	Username	Org	Role	Status	User Type	Operation	
☐	testbian	root	Operator	Offline	Normal User		 
☐	lcj_1	1_001	test_list	Online	Normal User		 
☐	sjw_001	1_001	role_add	Offline	Normal User		 
	system	root	Administrator	Online	Normal User		

Step 2 Click **Add**.

Figure 3-25 Adding User

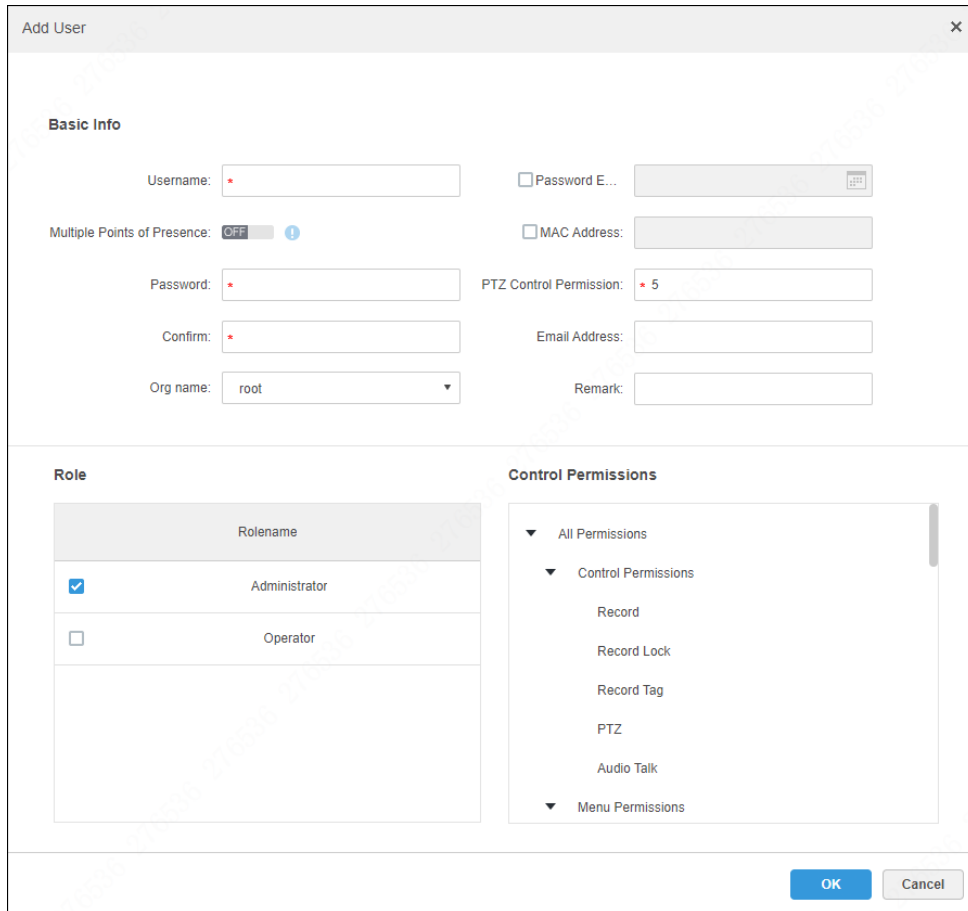


Table 3-4 Adding user parameters Description

Parameter	Description
Username	Set username and password, and confirm the password.
Password	
Confirm	
Multiple Points of Presence	Enable the account to log in to multiple clients at the same time.  Video call is not available when the account logs in to multiple devices at the same time.
Account Validity	Validity of user account.
MAC Address	MAC address of the computer used to log in to the Platform.
PTZ Control Permission	The larger the number, the higher the permission of controlling PTZ.
Email Address	Email address of the user account.
Remark	User description.

Step 3 Configure user information, and then select a role, and the corresponding permissions display on the right side.



- If no role is selected, **Control Permissions** are unavailable.
- The user can select multiple roles at the same time.

Step 4 Click **OK** to add user.

Related Operations

- Click  to freeze the user, which will be forced to exit the client.
- Click  to change user information except for username and password.
- Click  to delete the user.

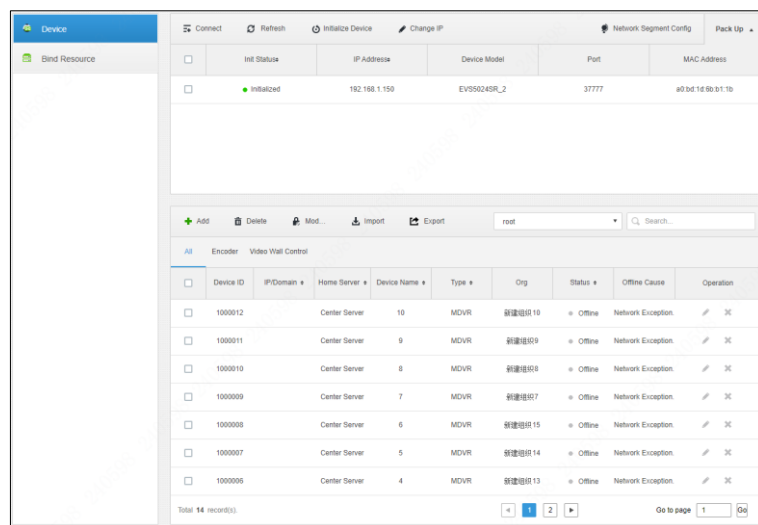
3.6 Adding Device

You can add different types of devices as required.

3.6.1 Adding Device Manually

Step 1 Select  > Device > Device.

Figure 3-26 Device management

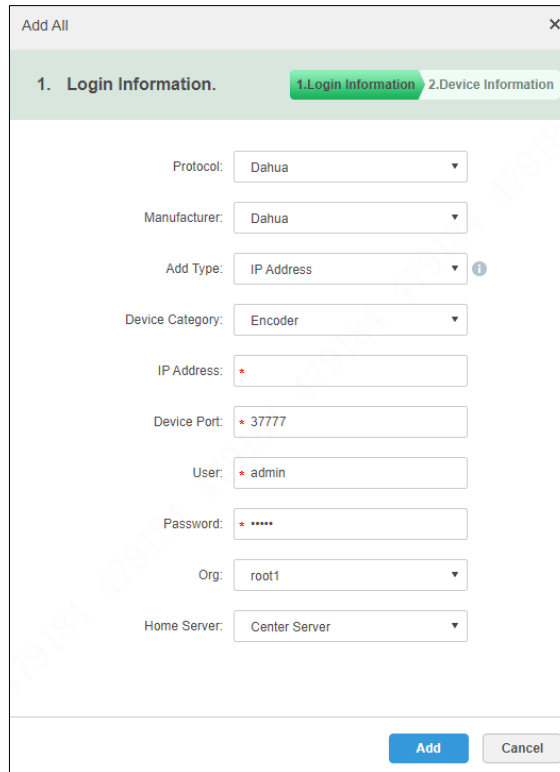


Init Status	IP Address	Device Model	Port	MAC Address
Initialized	192.168.1.150	EV55024SR_2	37777	a0 bd 14 86 b 1 1b

Device ID	IP/Domain	Home Server	Device Name	Type	Org	Status	Offline Cause	Operation
1000012	Center Server	10	MDVR	新建相机10	Offline	Network Exception		
1000011	Center Server	9	MDVR	新建相机9	Offline	Network Exception		
1000010	Center Server	8	MDVR	新建相机8	Offline	Network Exception		
1000009	Center Server	7	MDVR	新建相机7	Offline	Network Exception		
1000008	Center Server	6	MDVR	新建相机15	Offline	Network Exception		
1000007	Center Server	5	MDVR	新建相机14	Offline	Network Exception		
1000006	Center Server	4	MDVR	新建相机13	Offline	Network Exception		

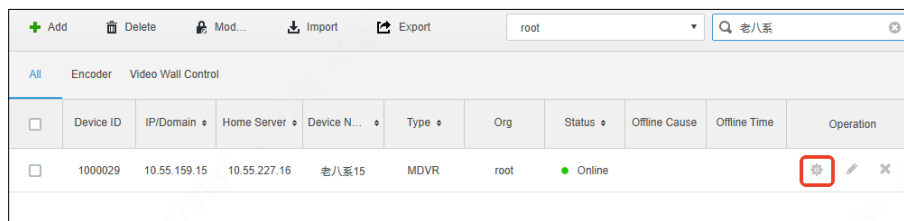
Step 2 Click **Add**.

Figure 3-27 Login information




- The configuration parameters slightly vary with the **Protocol** you selected. The actual interface shall prevail.
- Some devices support clicking the configure button  to redirect to the device's web-based configuration and management page.

Figure 3-28 Configure button



Step 3 Configure parameters of login information.

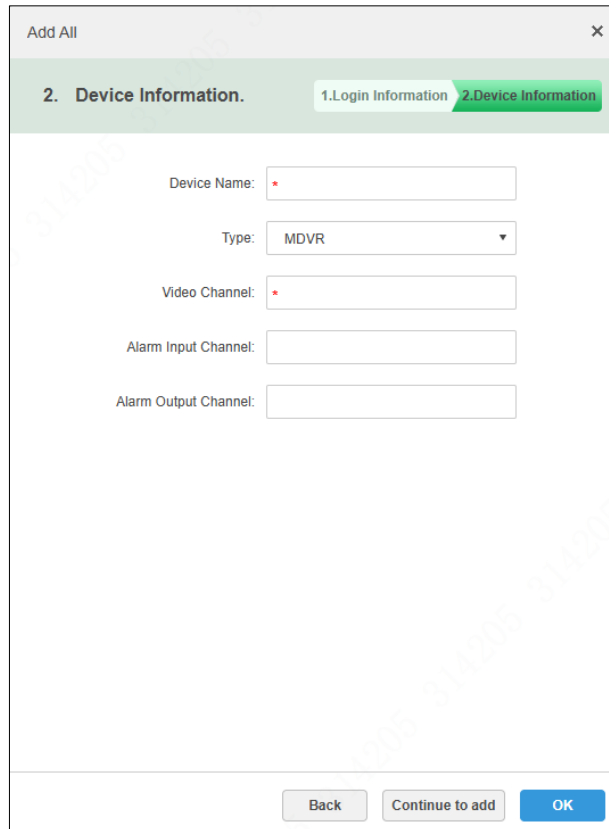
Table 3-5 Login information description

Parameter	Description
Protocol	Select the communication protocol.
Manufacturer	The manufacturer of the device.
Add Type	• When you select IP Address as the Add Type, enter the IP address of the device. • When you select Auto Registration as Add Type, enter the auto registration ID of the device. Only encoder can be added in this case, and the auto registration ID must be consistent with the registration ID configured at encoder. • When you select Domain Name as Add Type, the options come from

Parameter	Description
	the configured domain during deployment.
Device Category	Supports Encoder and Video Wall Control.
Device Port	The port number of the device.
User	The user and password to login the device.
Password	
Org	Select organization to which the device is added.
Home Server	The server (center and sub server) on which the Platform is deployed.

Step 4 Click **Add**.

Figure 3-29 Device information



The screenshot shows a software window titled 'Add All' with a close button (X) in the top right corner. Inside the window, there are two tabs: '1.Login Information' and '2.Device Information'. The '2.Device Information' tab is active. Below the tabs, there are five input fields: 'Device Name' (with a red asterisk), 'Type' (a dropdown menu showing 'MDVR'), 'Video Channel' (with a red asterisk), 'Alarm Input Channel', and 'Alarm Output Channel'. At the bottom of the window, there are three buttons: 'Back', 'Continue to add', and 'OK'.

Table 3-6 Device information description

Parameter	Description
Device Name	Enter the device name.
Type	Select device type.
Video Channel	Set the video channel of the device.
Alarm Input Channel	Set the alarm input channel.
Alarm Output Channel	Set the alarm output channel.

Step 5 Configure parameters of device information.

Step 6 Click **OK**.

Click **Continue to add** to add more devices.

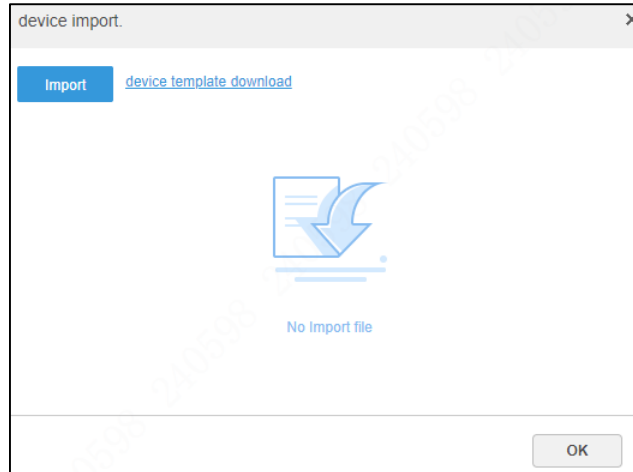
3.6.2 Batch Import of Devices

Create a device information sheet based on the template and import it to add devices.

Step 1 Select  > **Device** > **Device**.

Step 2 Click **Import**.

Figure 3-30 Device import



Step 3 Click **device template download**, and then fill in the device information to be imported based on the template and save it.

Step 4 Click **Import** to import the filled template into the system.

Step 5 Click **OK**.



- Click **Export** to export devices in batches.
- Only encoders can be exported in batch.
- Click  **Mod...** to change device password.

3.6.3 Searching and Adding Device

You can add automatically obtained channels in the same LAN as the Platform server.

Step 1 Select  > **Device** > **Device**.

Step 2 Click **Refresh** to refresh the device list.



Click **Network Segment Config** to reconfigure the IP segment, and click **Refresh** again to search for devices with IP addresses within this range.

Figure 3-31 Devices in the same segment with the Platform

☐	Init Status	IP Address	Device Model	Port	MAC Address
☐	● Initialized	10.35.224.120	MHVR8004-I	37777	a0:bd:1d:2d:48:de
☐	● Initialized	10.35.224.131	NVD_0905_4K	37777	bc:32:5f:3d:9e:12
☐	● Initialized	10.35.224.150	EVS5024SR_2	37777	a0:bd:1d:6b:b1:1a
☐	● Initialized	10.35.224.158	MNVR82XX-I	37777	a0:bd:1d:2d:49:f5

Table 3-7 Description of searching same segment devices

Parameter	Description
Connect	Select devices to be added and click Connect to add to the Platform.
Refresh	Click to obtain the latest device list.
Initialize Device	Select uninitialized devices and click Initialize Device to initialize in batches.
Change IP	Select devices, click Change IP and enter the user and password to validate before changing.
Network Segment Config	Click to set the IP segment to obtain devices within the defined range.
Pack Up/Find Device	To hide or display the obtained device list.

Step 3 Select the device to be added, and then click **Connect**.

Figure 3-32 Batch add

Batch Add

Org: root

Home Server: Center Server

User: admin

Password:

OK Cancel

Table 3-8 Batch add parameter description

Parameter	Description
Org	Select the organization to which the device adds.
Home Server	The server (center and sub server) on which the Platform is deployed.
User	The username and password that have been used to log in to the device (The username is admin and the password is admin123 by default).
Password	

Step 4 Select **Org** and **Home Server** and enter **User** and **Password**.

User and **Password** are the user name and password for logging into the device, and the system defaults to "**admin**".

Step 5 Click **OK**. The system adds devices to the corresponding organization.

3.6.4 Editing Device

After a device is added, edit it and set related channel information.

Step 1 Select  > **Device** > **Device**.

Step 2 Click the corresponding  in the added device list.


Click **Get Info**, and the Platform synchronizes the device information.

Figure 3-33 Editing Device

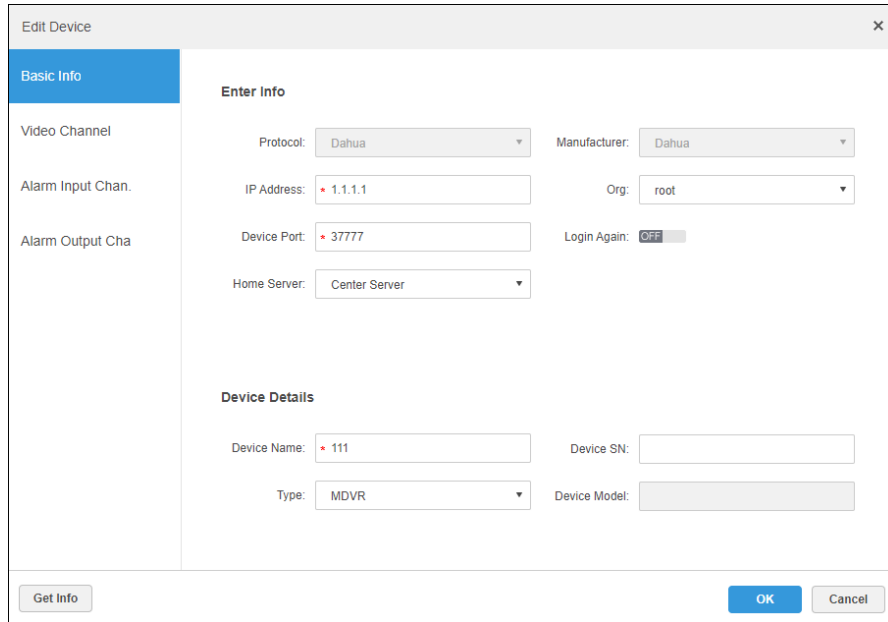


Table 3-9 Information parameter description

Parameter		Description
Enter Info	Protocol	Configured when adding the device. Cannot change.
	Manufacturer	
	Org	Select the organization to which the device adds.
	Device Port	The TCP port of the device. It is 37777 by default.
	Home Server	The server (center and sub server) on which the Platform is deployed.
	Login Again	When the device changes password, you can enable this to update new password.
Device Details	Device Name	The name, serial number, type and model (configured when adding the device, cannot change) of the device.
	Device SN	
	Type	
	Device Model	

Step 3 Modify the basic information of the device on the **Basic Info** interface.

Step 4 Click the **Video Channel** tab, and configure Channel Name, Channel Numbers, Camera Type, Features, SN, and Keyboard Code of the device.

Figure 3-34 Video Channel

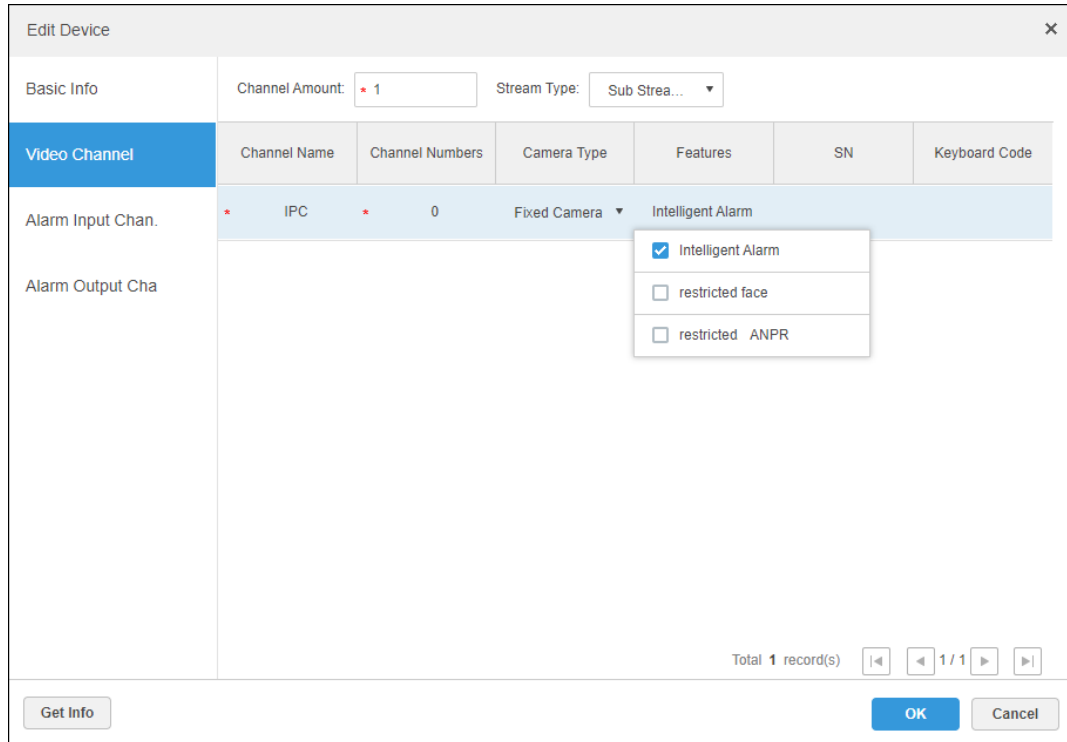


Table 3-10 Video channel description

Parameter	Description
Channel Amount	Set the video channel amount.
Stream Type	Select from Main Stream , Sub Stream 1 and Sub Stream 2 . The device pulls the video stream from the defined type.
Zero Channel Code	Enable it to pull stream of all channels.
Channel Name	Enter the channel name and number of the added device.
Channel Numbers	
Camera Type	Select from Speed Dome, Fixed Camera and Dome Camera as needed.
Features	Supports Intelligent Alarm, restricted face, restricted ANPR.
SN	Enter the device serial number.



- When ADAS or DSM is selected as the camera, select **Intelligent Alarm** as **Features**.
- When the camera connected to the video channel is used for restricted face, select **restricted face** as **Features**.
- When the camera connected to the video channel is used to capture the license plate, select **Restricted ANPR** as **Features**.

Step 5 (Optional) Select **Alarm Input Channel** tab, and configure related information.

Figure 3-35 Alarm input channel information configuration

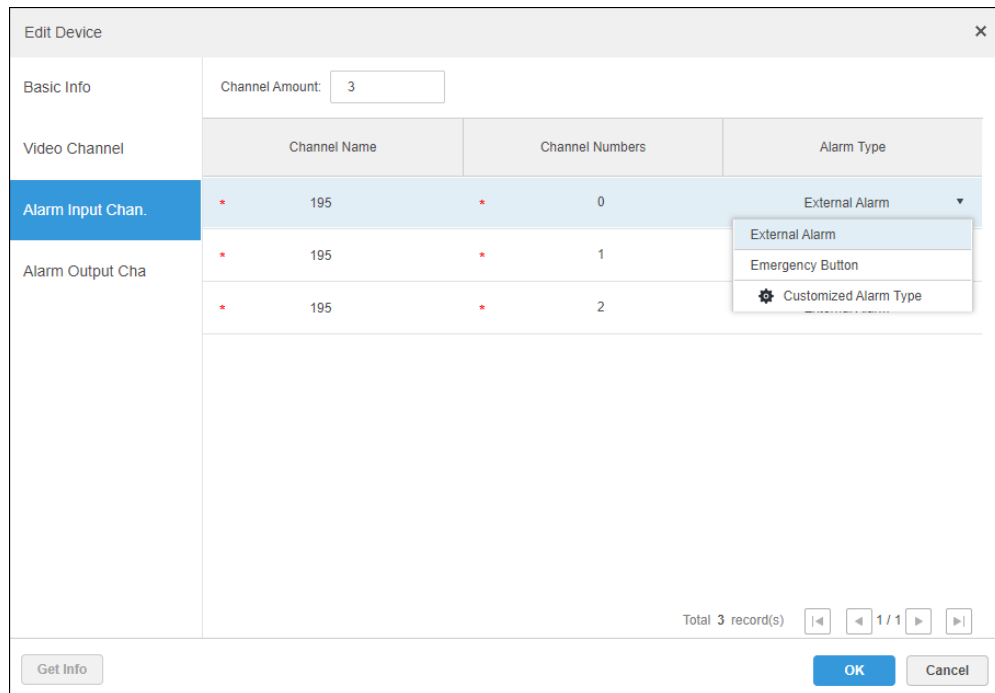


Table 3-11 Alarm input channel information description

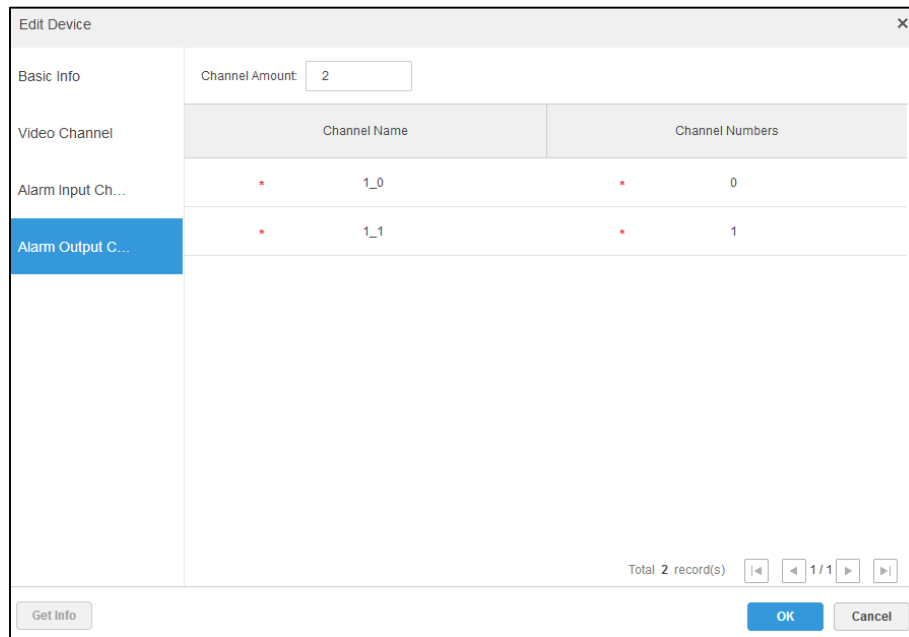
Parameter	Description
Channel Amount	Set the amount, name and number of the channels.
Channel Name	
Channel Numbers	
Alarm Type	External Alarm: All alarms triggered by other devices except alarm buttons are configured as External Alarm by default. Emergency Button: When connecting with alarm buttons, select Emergency Button to enable the alarm to report to the Platform after triggering. Customized Alarm Type: You can add and delete customized alarm type. It supports up to 30 customized alarm type.



- Only configure the function when the added device supports alarm input.
- If the custom alarm type is used in **Alarm Scheme** under **Event**, it cannot be deleted but can only be modified.
- If the custom alarm type is not used in **Alarm Scheme**, it can be deleted. After deletion, the alarm type under **Alarm Input Channels** is restored to default.
- After the custom alarm type name is modified, the historical data keeps the original name and the new data uses the modified name.

Step 6 Select **Alarm Output Channel** tab, and you can modify the alarm output channel information such as **Channel Amount**, **Channel Name** and **Channel Number**.

Figure 3-36 Add alarm type



Channel Name	Channel Numbers
1_0	0
1_1	1

Total 2 record(s)

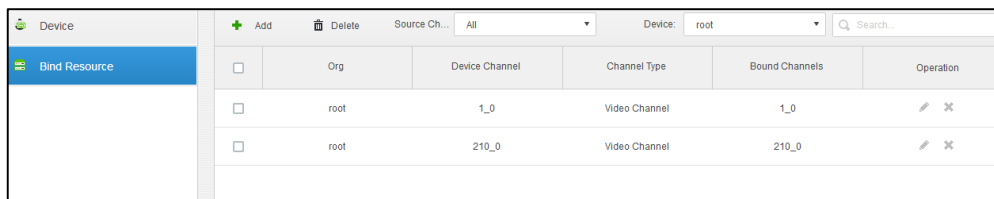
Step 7 Click **OK**.

3.6.5 Binding Resource

The Platform supports binding video channel with source channels (video channel and alarm input channel). In services such as **Map** and **Event**, you can view bound videos through the binding relationship.

Step 1 Select  > Device > Bind Resource.

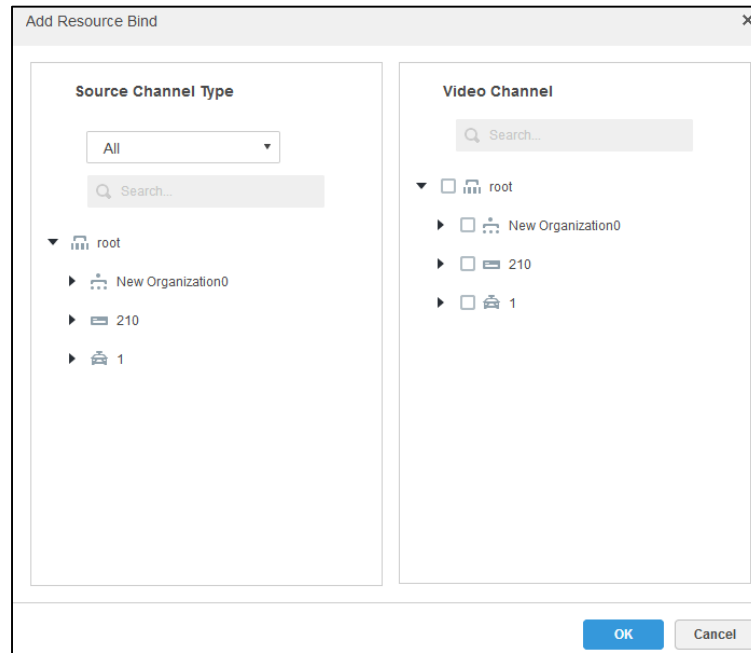
Figure 3-37 Bind Resource



Org	Device Channel	Channel Type	Bound Channels	Operation
root	1_0	Video Channel	1_0	 
root	210_0	Video Channel	210_0	 

Step 2 Click **Add**.

Figure 3-38 Adding Resource Binding



Step 3 Select source channel and video channel separately, and then click **OK**.

3.7 Configuring Record Plan

The Platform supports configuration of record plan for video channels to have the camera recording during the defined time.

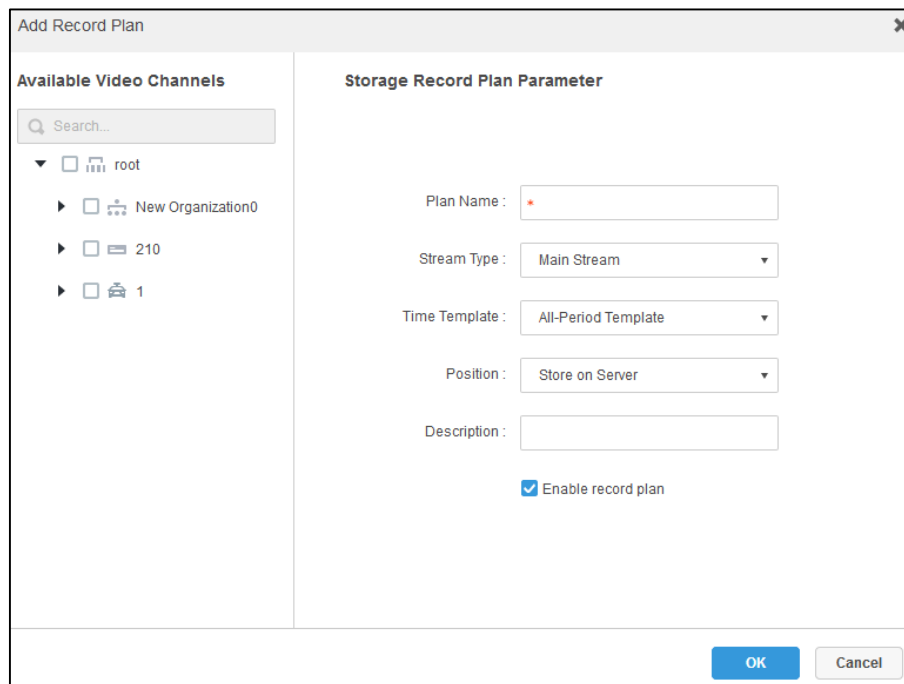
3.7.1 Adding Record Plan

Procedure

Step 1 Select  > Record Plan> Record Plan.

Step 2 Click **Add**.

Figure 3-39 Add record plan



Step 3 Select the video channel to create record plan, and configure **Plan Name**, **Stream Type**, **Time Template** and **Position**.



- Stream type: Main Stream, Sub Stream 1, and Sub Stream 2.
- You can select the default time template or create a time template. For details, see "3.7.2 Adding Time Template".
- The storage position is server by default.

Step 4 Click **OK**.

Related Operations

- Enable or disable record plan

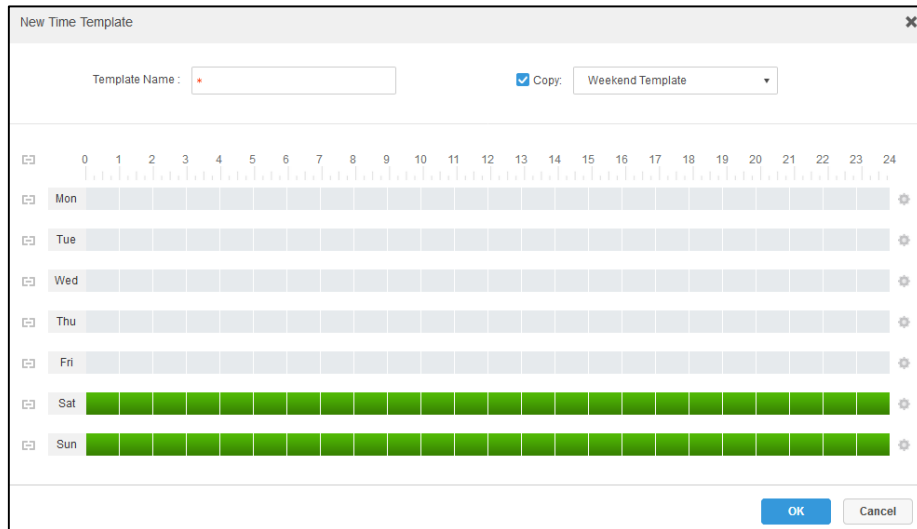
In the operation bar,  means that the plan has been enabled; click the icon to disable the plan, and the icon turns to .

- Edit record plan: Click  to edit.
- Delete record plan
 - ◇ Select multiple record plans, and then click **Delete** in batches.
 - ◇ Click  to delete one by one.

3.7.2 Adding Time Template

Step 1 Select **New Time Template** in **Time Template** drop-down list when adding record plan.

Figure 3-40 New time template



Step 2 Set template name and period.

- Press and drag the mouse on the timeline to set the period.
- Click  corresponding to the day of week to directly set the period through entering time and days.



- Enable the day of week. The record plan can be set on multiple dates at the same time. You can set up to six periods for one day.
- Select **Copy** to directly copy the existing time template.

Step 3 Click **OK**.

3.7.3 Adding Backup Record Plan

The system can back up device records of the first three days, and you can configure the plan across days.

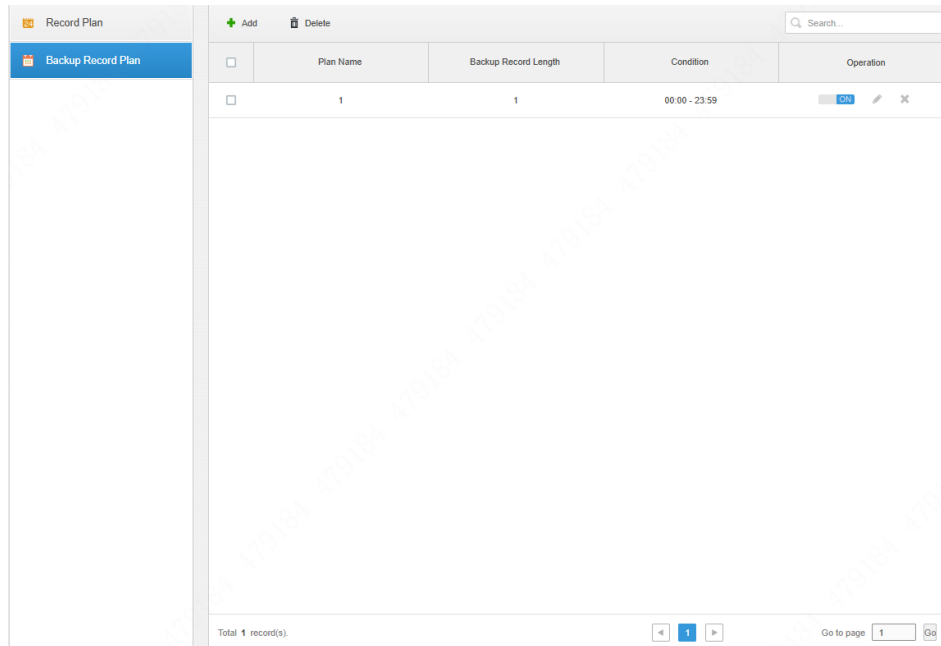


- Backup videos come from the local recording of camera.
- Time and Wi-Fi can be selected as **Condition**. If time is selected, set the backup record plan time, at which the record will be automatically backed up. If Wi-Fi is selected, when the device is connected to Wi-Fi, the record will be automatically backed up.

Procedure

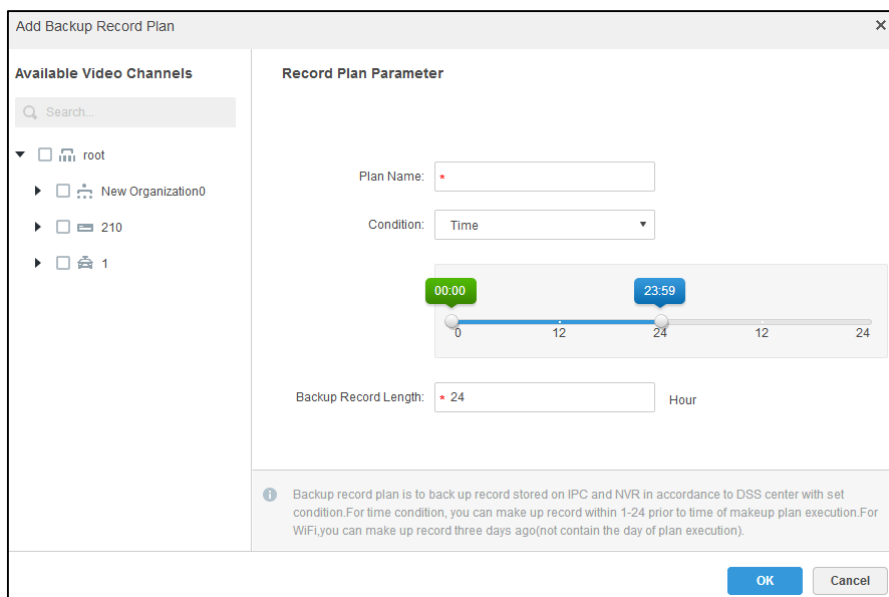
Step 1 Select  > Record Plan> Backup Record Plan.

Figure 3-41 Backup Record Plan



Step 2 Click **Add**.

Figure 3-42 Add Backup Record Plan

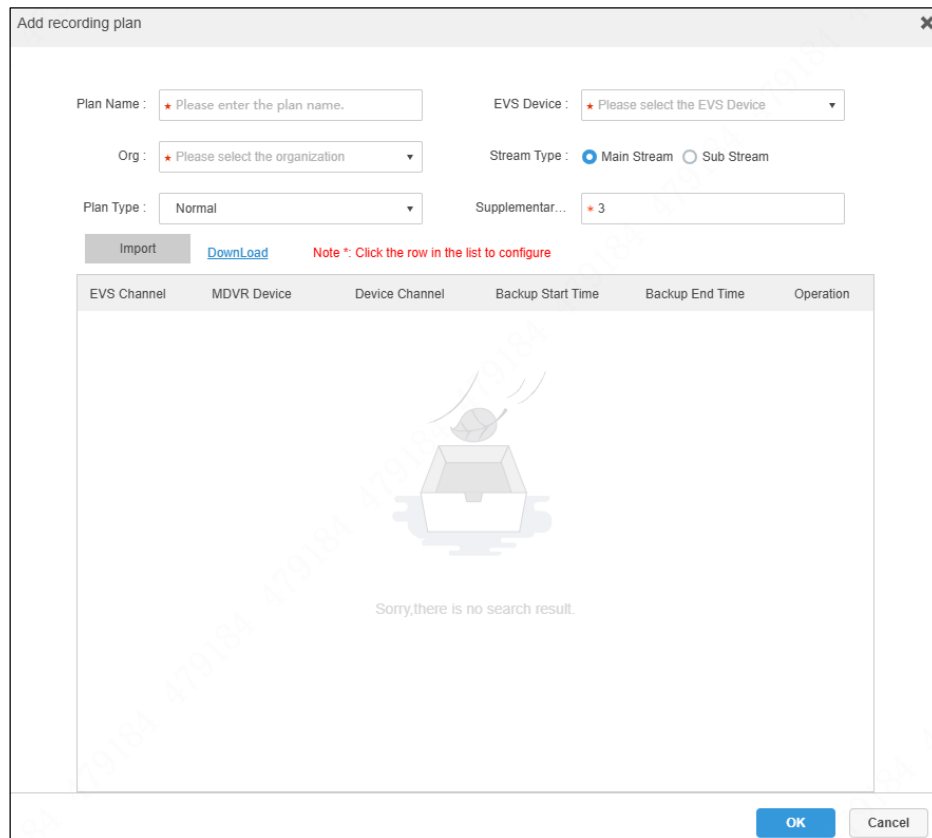


Step 3 Configure parameters. See as below.

Table 3-12 Backup record plan configuration

Parameter	Description
Avialable Video Channels	Select video channels to backup.
Plan Name	Enter the record plan name.
Condition	Time: Set the time of automatic recording backup through dragging the time bar. Wi-Fi: Starts to backup when the device is connected with Wi-Fi.
Backup Record Length	Set the length of the backup recordings (up to 24 hours).  Only appears when setting Time as Condition .

Figure 3-44 Add



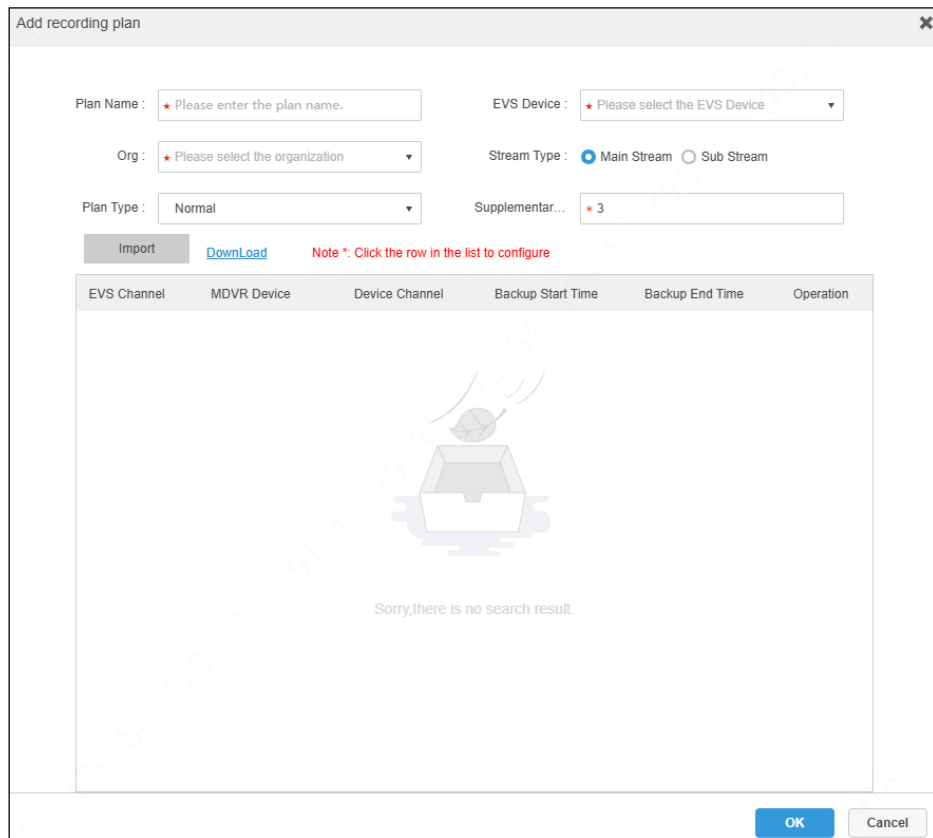
Step 3 Enter Plan Name, select EVS Device/Org, Stream Type, Plan Type and Supplementary Recording Days.

The **EVS Channel** interface is displayed.



- Normal plan: the recording plan under the general plan will be sent according to the sending queue. Users can edit the normal plan in the menu **Record Backup Plan**.
- Temporary plan: the recording plan under the temporary plan has the highest priority, and the system will send the temporary plan once the recording plan in the current queue is sent. Please create a normal plan before creating a temporary plan. Editing is not supported after the temporary plan is sent.
- When selecting the stream type, ensure that the stream type format of the video is consistent with the stream type format of the recording plan.

Figure 3-45 EVS Channel (1)



Add recording plan

Plan Name :

EVS Device :

Org :

Stream Type : ☒ Main Stream ☐ Sub Stream

Plan Type :

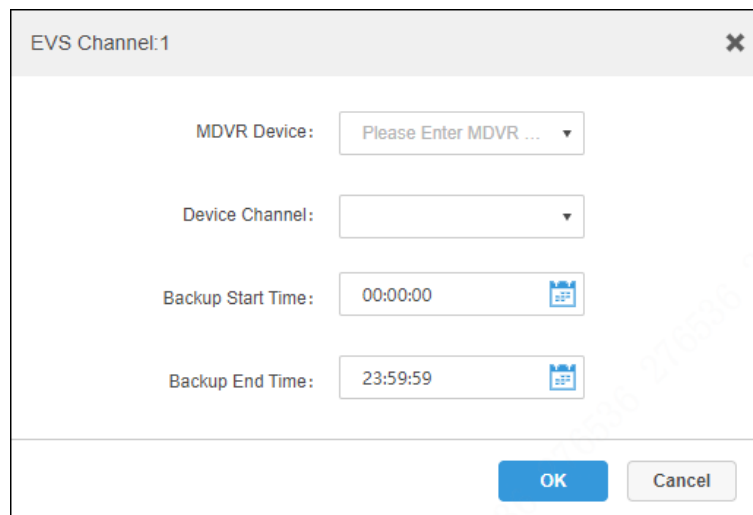
Supplementar... :

Note *: Click the row in the list to configure

EVS Channel	MDVR Device	Device Channel	Backup Start Time	Backup End Time	Operation
 Sorry, there is no search result.					

Step 4 Select the EVS channel in the list and select MDVR Device, Device Channel, Backup Start Time and Backup End Time in the pop-up interface. After the configuration is completed, EVS device records MDVR device video in the corresponding channel.

Figure 3-46 EVS Channel (2)



EVS Channel:1

MDVR Device:

Device Channel:

Backup Start Time:

Backup End Time:

Step 5 Click **OK**.

Step 6 Batch import EVS record backup plan.

- 1) Click **Download** to fill in the information and save.
- 2) Click **Import** to import the completed template.

Step 1 Click **Task Sending Record** and the interface is displayed.

Figure 3-49 Task Sending Record

Record Backup Plan	Please select the organization... Search...						
Record Backup Progress	Plan Name	Org	EVS Device	Plan Type	Operator	Operation time	Operation
Task Sending Record	11	root	123123	Normal	system	2023-02-07 11:47:14.0	Detail
Historical Backup Record	333	root	123123	Temporary	system	2023-02-06 18:46:03.0	Detail

Step 2 Click **Detail** to view the detail information of the plan.

Figure 3-50 Detail

Detail

Plan Name: 普通补录EVS Device: EVS
Org: rootStream Type: Main Stream
Plan Type: NormalSupplementary Recording Days: 1

EVS Channel	MDVR Device	Device Channel	Backup Start Time	Backup End Time
0	wifi补录设备14	wifi补录设备14_0	00:00:00	23:59:59

OKCancel

- Viewing Historical Backup Record

Step 1 Click **Historical Backup Record** and the interface is displayed.

Step 2 Select vehicle in the left organization tree and click **Search**.

The historical backup record is displayed.

3.8 Configuring Event Management

After the alarm scheme is configured on the WEB Manager, the reported events can be displayed and processed on the client.

3.8.1 Configuring Alarm Source

The alarm source can be video channel and alarm input channel. The alarm type varies with the encoder.



- Before configuration, confirm that the alarm input channel of the device has been connected to the external alarm device; otherwise, no alarm will be uploaded.
- Configure different alarm types for different devices. For details, see the corresponding user's manual.
- Please configure the parameters according to the actual needs.

3.8.2 Adding Alarm Scheme

Set the alarm events to be displayed on WEB manager. You can link the alarm with camera, PTZ, email, video wall and more to perform various operations, and set alarm periods.

Step 1 Select  > **Event**.

Figure 3-51 Event

+ Add		Delete		Search...			
☐	Name	Plan	Type	Priority	Remark	Scheme Status	Operation
☐	hwq	All-Period Template	Restricted face alarm	High		Enable	☐ ON  
☐	40-4	All-Period Template	Line Deviation Alarm,ACC Off...	High		Enable	☐ ON  
☐	40-3	All-Period Template	External Alarm,Emergency Bu...	High		Enable	☐ ON  
☐	40-2	All-Period Template	Video Loss,Channel Offline,M...	High		Enable	☐ ON  
☐	40-1	All-Period Template	Disk Full,Device Offline,Disk E...	High		Enable	☐ ON  

Step 2 Click **Add**.

Figure 3-52 Add alarm scheme

Step 3 Select the alarm type and the corresponding Org/device.



When setting **Alarm Input Channel** as the **Alarm Type**, make sure the event type (external alarm and emergency button) is consistent with what selected when editing the device channel.

Step 4 Configure basic info(must).

Table 3-13 Basic Info

Parameter	Description
Plan Name (must)	Supports enter the plan name(max 50 characters). Allows Chinese, English, and numbers.
Priority (must)	Supports choosing the priority. Options: High, Medium, Low.
Time Template (must)	Supports choosing the time template. Options: All-period template, Weekday template, Weekend template. Supports creating new time templates. Default selection: All-period template.
Automatic (must)	Supports choosing automatic processing. Options: Yes or No. Default selection: No.
Remark (optional)	Supports enter the remarks (max 200 characters). Allows Chinese, English, and numbers.

Step 5 Configure linkage (optional).

Table 3-14 linkage

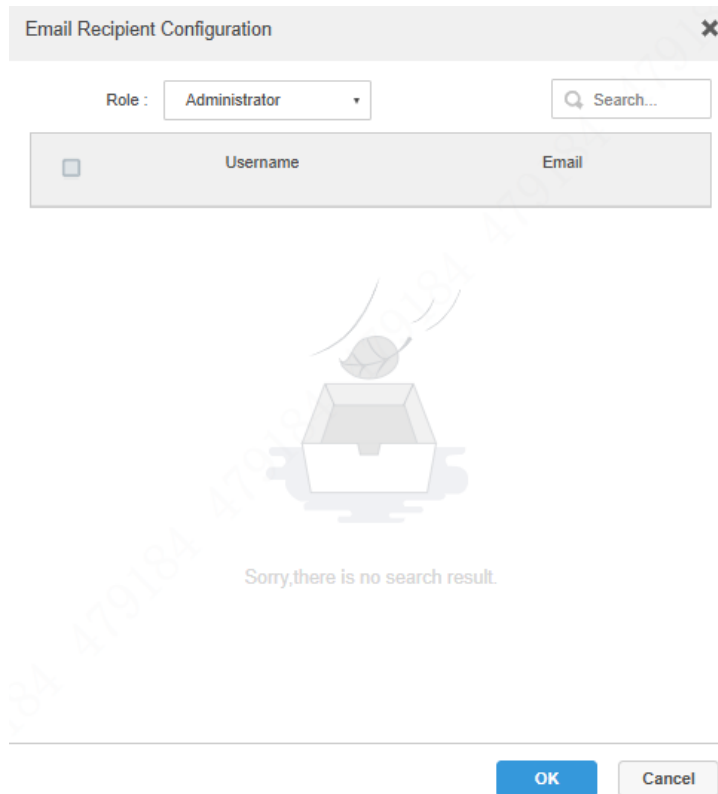
Parameter	Description
Linked Pop-up (optional)	The client supports pop-up notifications when alarms are triggered.

Parameter	Description
Enable Snapshot (optional)	Confirm whether to capture the camera picture. Optional: yes or no. If yes , you must select the linkage camera.
Enable Record (optional)	Confirm whether to enable the record. Optional: yes or no. If yes , you must select stream type, record time and prerecord time, and select the linked camera.
Stream Type	Set the video stream type. By default, it is sub-stream.
Record Time	Set the recording duration.
Prerecord Time	Set the record time before setting the linked camera. The selected device supports video recording, and the device has video recording.
Linked Cameras	Fixed 24 channels options are displayed by default. Maximum of 4 channels can be selected for multiple selection.

Step 6 Configure linked E-mail (optional).

Step 7 Click  to choose the E-mail recipient.

Figure 3-53 linked E-mail



The dialog box titled "Email Recipient Configuration" contains a "Role" dropdown menu set to "Administrator" and a "Search..." input field. Below these is a table with columns for "Username" and "Email". The table is currently empty. At the bottom of the dialog, there are "OK" and "Cancel" buttons. A watermark "479184" is visible across the dialog.

Step 8 Click **OK** to finish linked E-mail.

Step 9 Click **Save** to finish alarm scheme.

Related Operations

- Edit: Click  corresponding to the alarm scheme to edit it.
- Delete:
 - ◇ Select multiple alarm schemes and click **Delete** to delete them in batches.

- ◇ Click next to the alarm scheme to delete one by one.

3.9 Configuring Map

Select map category on WEB manager from Baidu map, Amap and Google map, and drag the video device and alarm device to the map before using E-Map on the client. E-Map supports alarm prompt, video view and record playback.

3.9.1 Editing GIS Map

Step 1 Select > **Map**.

Figure 3-54 Map

Step 2 Select from **Google** and then configure the map information.

Table 3-15 Map Information

Parameter	Description
Map Status (must)	Supports displaying the map status, including Online and Offline status. Click Import to upload offline maps.
Latitude and longitude settings (must)	Supports modifying the latitude and longitude of the map center.
Map zoom value settings (must)	Supports configuring map zoom value settings, including initial zoom level, map marker display level,max zoom level,min zoom level.

Step 3 Click **Submit**.

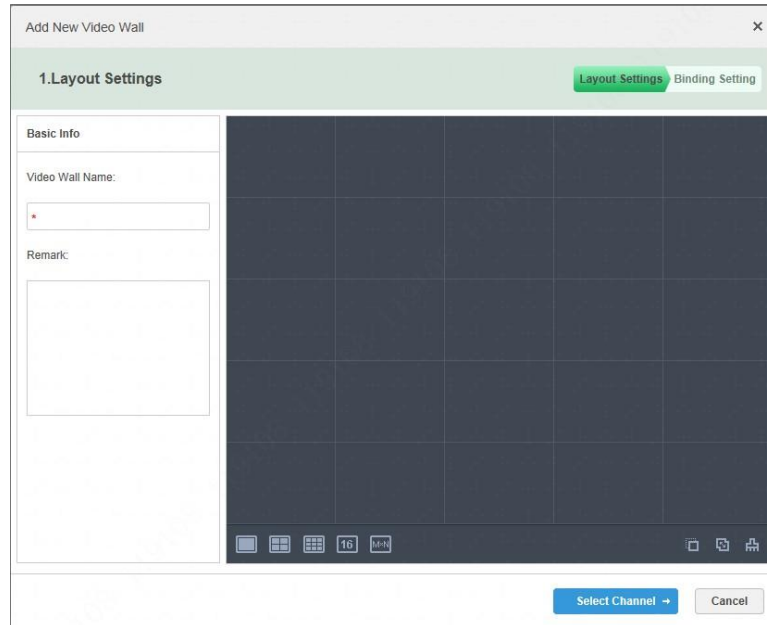
3.10 Adding Video Wall

When implementing the video display service on the wall, you can refer to the configuration in this section.

Step 1 Select  > **Video Wall**.

Step 2 Click Add New Video Wall.

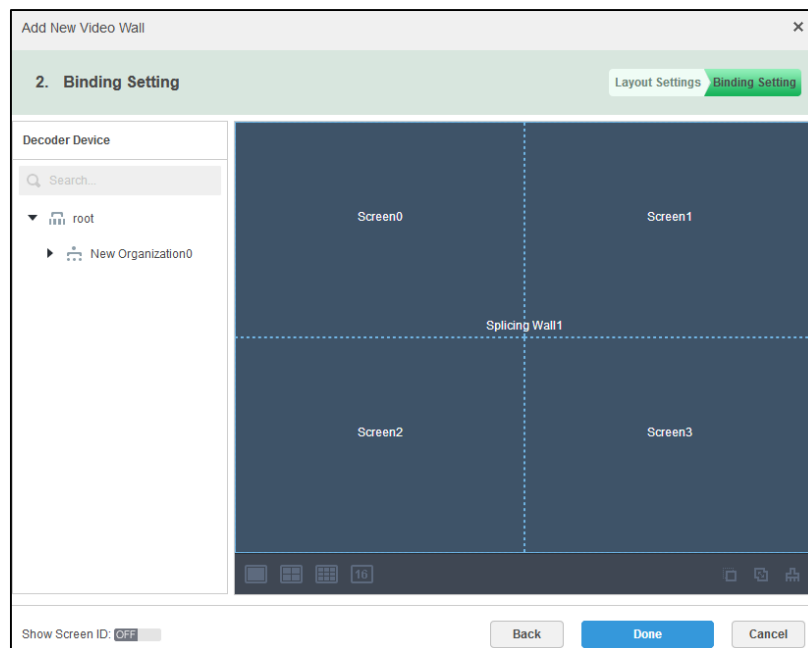
Figure 3-55 New video wall



Step 3 Enter the video wall name and select window layout.

Step 4 Click Select Channel.

Figure 3-56 Selecting decode channel





You can select whether to show screen ID. **Off** means that the screen ID has been disabled.
Click the icon to enable the screen ID.

Step 5 Select the decoder to be bound in **Device Tree** and drag it to the corresponding screen.

Step 6 Click **Done**.

3.11 Configuring Vehicle

3.11.1 Updating Device

Upload the update package of the device for remote device update.

Procedure

Step 1 Select  > Vehicle > Package Management.

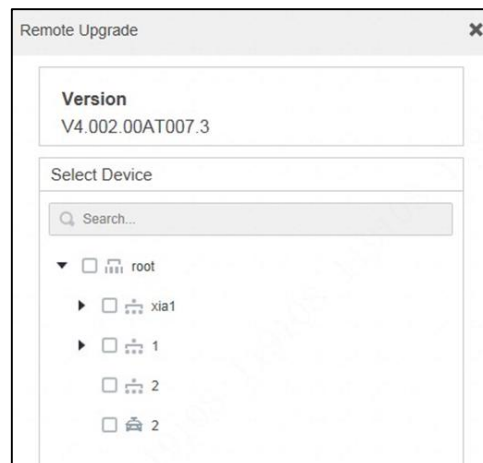
Step 2 Click **Upload**, Select a local update package to upload.



You need to configure **FTP** in **System** before uploading.

Step 3 Select the **update package**, and then click .

Figure 3-57 Remote upgrade



Step 4 Select the device to be updated, and then click **OK**.

Step 5 Select **Mobile** > **Device Remote Upgrade** to view the update status.

Related Operations

- Click **Refresh** to get the latest updating progress.
- Click  or select an update package and click **Delete** to delete it.

After the update package is deleted, the corresponding records in **Upgrading** and **Completed** status are deleted.

3.11.2 Configuring Device in Batches

Procedure

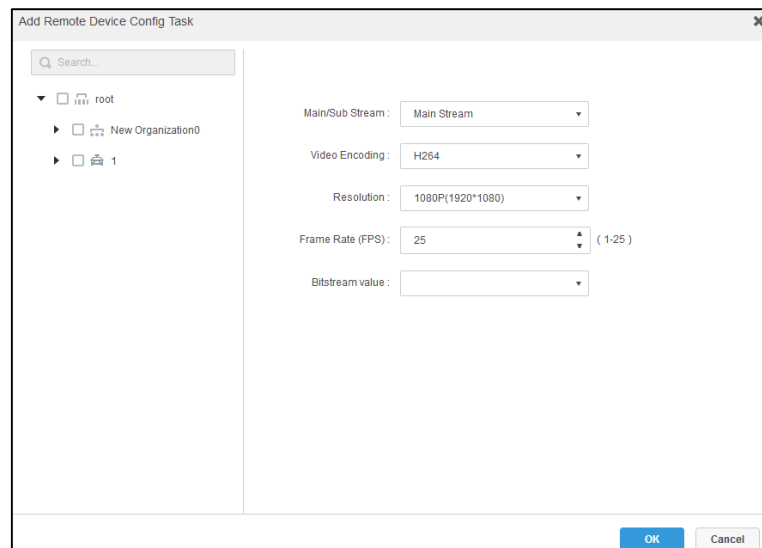
Step 1 Select  > Vehicle > Device Batch Config.

Step 2 Click **Add**, then configure the parameters.



The higher the bit stream value, the better the video quality.

Figure 3-58 Device configuration task



Step 3 Click **OK** to finish.

Related Operations

- Click  to delete the device configuration task.
- Click  to view exception details of tasks that failed to be issued.
- Click  to refresh the task list.

3.11.3 Configuring Mobile Information

You can configure GPS upload interval, distance unit, geographical location analysis and backup mode.

Step 1 Select  > Vehicle > Configure Mobile Information.

Figure 3-59 Configuring vehicle information

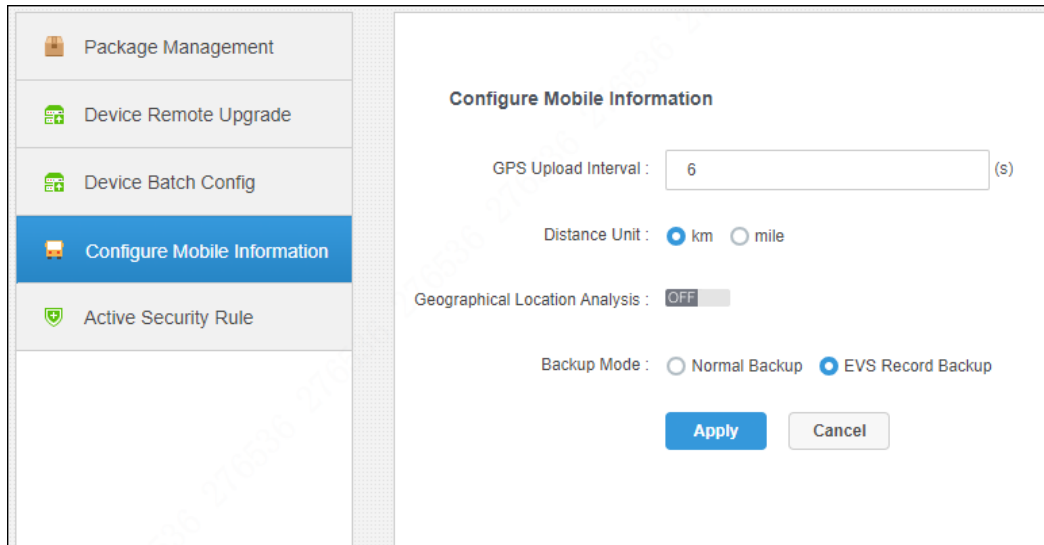


Table 3-16 Vehicle Information Parameters Description

Parameter	Description
GPS Upload Interval	The GPS upload interval range is 6 s–60 s.
Distance Unit	Configure the distance unit at Mobile module in PC client .
Geographical Location Analysis	After enabled, the system automatically converts longitude and latitude to the corresponding address.  To enable this function, external network access and Google Maps access permission are required, and the corresponding Google service must be purchased.
Backup Mode	Select backup mode, including Normal Backup and EVS Record Backup .

3.12 Configuring Driver Evaluation Criteria

3.12.1 Configuring Scoring item

Step 1 Select  > Driver Evaluation Criteria > Scoring item configuration.

Figure 3-60 Scoring item configuration

Scoring item configuration
Assessment level configuration
Low score warning configurati...

Batch Calculation

☐	Major Category	Name	Behavioral Prevalence Rate	Severity	Average Deduction Score	Single Deduction (per 100km)
☐	Collision	Forward Collision Warning	-	Severe	5	5 %
☐	Collision	Turnover	-	Severe	10	10 %
☐	Collision	Collision	-	Severe	10	10 %
☐	Collision Risk	Headway Monitoring Warning	-	Moderate	5	5 %
☐	Harsh Driving	Rapid Turn	-	Moderate	5	5 %
☐	Harsh Driving	Rapid Speedup	-	Minor	1	1 %
☐	Harsh Driving	Rapid Slowdown	-	Minor	1	1 %
☐	Distracted Driving	Close Eye Warning(Drowsy Driving)	-	Moderate	5	5 %
☐	Distracted Driving	Yawn Warning(Drowsy Driving)	-	Minor	1	1 %
☐	Distracted Driving	Calling Warning	-	Minor	1	1 %
☐	Distracted Driving	Look Around Warning(Distracted Driving)	-	Minor	1	1 %
☐	Distracted Driving	Lower Head Warning(Distracted Driving)	-	Minor	1	1 %
☐	Traffic Signs	Lane Departure Warning	-	Moderate	5	5 %
☐	Policy Violation	Lens Tempering Warning	-	Moderate	5	5 %

Save

Step 2 Configure the parameters. See as below.

Table 3-17 Scoring item configuration Description

Parameter	Description
Major Category	Shows abnormal driving types including collision, harsh driving other defined behaviors.
Name	Shows specific alarms such as forward collision warning, lane departure warning , other configured alarms ,etc.
Behavioral prevalence rate	Shows the proportion of drivers with a driving record who exhibit such behavior.
Severity	Supports configuring the severity level, including moderate, minor, and severe.
Average Deduction score	Shows the average demerit points for such behaviors by drivers with a driving record.
Single Deduction(per 100km)	Displays the points deducted per action (per 100 km/mile).

Step 3 Click Save.

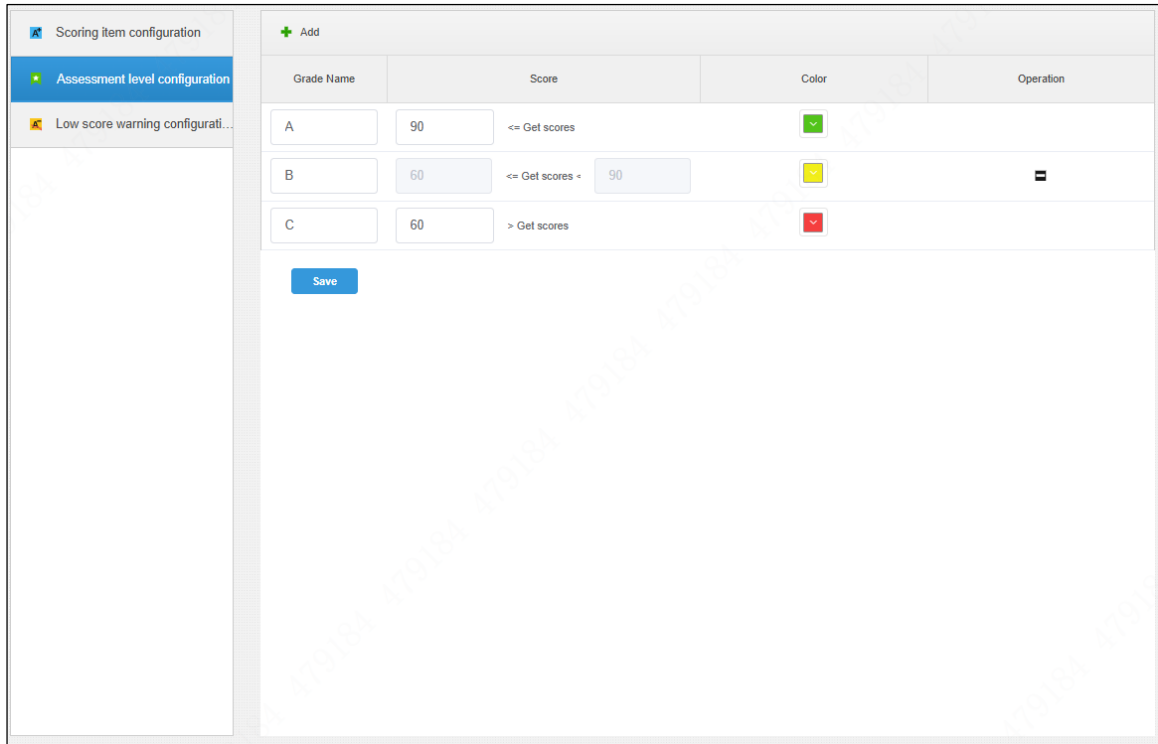
Related Operations

Automatic calculation: Click  to automatically calculate a single deduction.

3.12.2 Configuring Assessment Level

Step 1 Select  > Driver Evaluation Criteria > Assessment Level Configuration.

Figure 3-61 Assessment Level Configuration



Grade Name	Score	Color	Operation
A	90	Green	<= Get scores
B	60	Yellow	<= Get scores < 90
C	60	Red	> Get scores

Step 2 Click **Add**.

Step 3 Customize the level name and the corresponding score. Click the drop-down arrow of the color to customize the level color.



The minimum and maximum scores for each level cannot be equal.

Step 4 Click Save. After the message "Saved successfully", the configuration is complete.

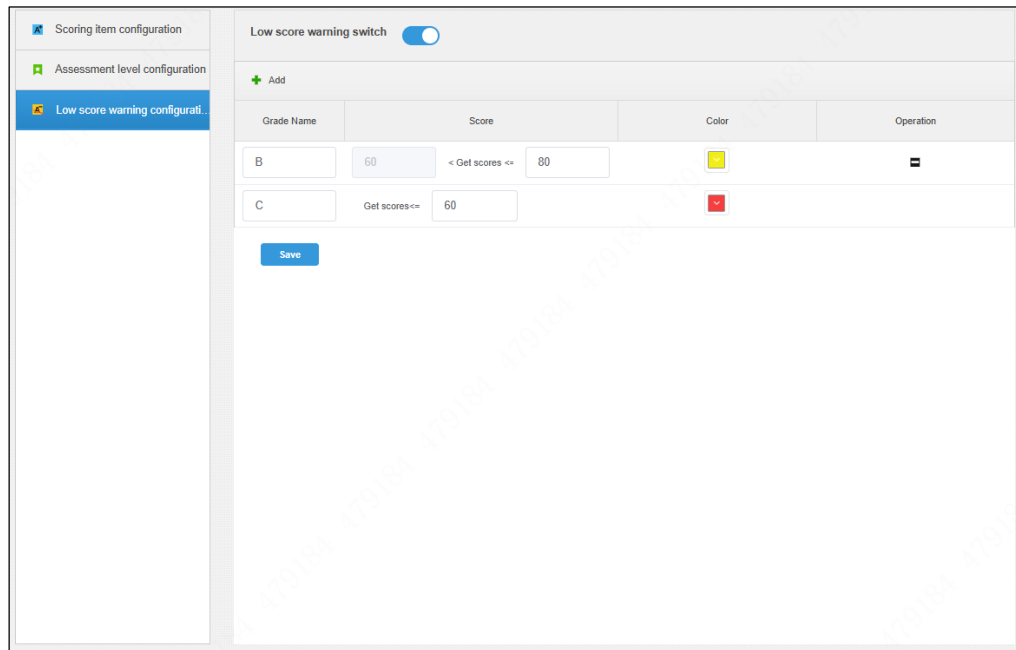
Related Operations

Delete: Click  to delete the configuration.

3.12.3 Configuring Low Score Warning

Step 1 Select  > Driver Evaluation Criteria > Low score warning.

Figure 3-62 Low score warning



Step 2 Enable the Low score warning. Default is enable status .

Step 3 Click **Add**.

Step 4 Customize the level name and the corresponding score. Click the drop-down arrow of the color to customize the level color.



The minimum and maximum scores for each level cannot be equal.

Step 5 Click Save. After the message "Saved successfully", the configuration is complete.

Related Operations

Delete: Click  to delete the configuration.

3.13 System Maintenance

3.13.1 Managing Server

Users can view the server status here and bind devices to the configured server.

Server Config

Step 6 Select  > Server Management > Server Config.

Figure 3-63 Server configuration

Server Config Resource Config	Refresh Search...					
	Name	IP Address	Type	Server Status	Enable Status	Operation
	Center Server	10.35.224.43	Master-Server	Running	Enable	

- ◇  means that the server is disabled; click the icon to enable the server, and the icon turns to .
- ◇ Click  to view the server information.
- ◇ Click  to configure IP address and type of the server.
- ◇ Click  to delete the server information.

Resource Config

Step 1 Select > Server Management > Resource Config.

Figure 3-64 Resource configuration

Server Config

Resource Config

Refresh

All Device > Center Server (4)

Default

Sort by device quantity

Search...

Search...

Encoder

video wall

210

1

test

Center Server (4)

4

- Click  **Default** to restore the default resource configuration.
- Click  sort the servers by the number of bound devices.

3.13.2 Backup and Restoration

WEB Manager can back up and save the configured information to the local PC and restore the system through the backup file for system maintenance and security.



Backup and restoration are available only for system users. That is, system backup and restoration can only be realized by logging in to the WEB Manager with a system account.

3.13.2.1 System Backup

To ensure the security of user data, the system provides data backup, which includes manual backup and automatic backup.

Manual Backup

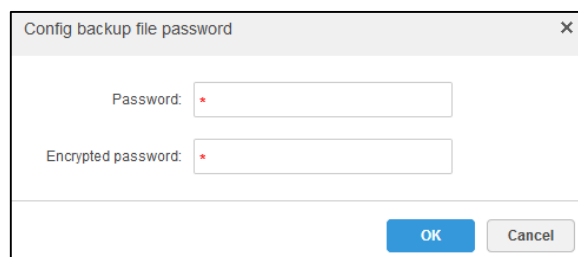
Step 1 Select  > Backup and Restore > Backup.

Figure 3-65 Tab selection



Step 2 Click **Manual Backup** and configure the backup file Password and **Encrypted Password**.

Figure 3-66 Backup file password configuration



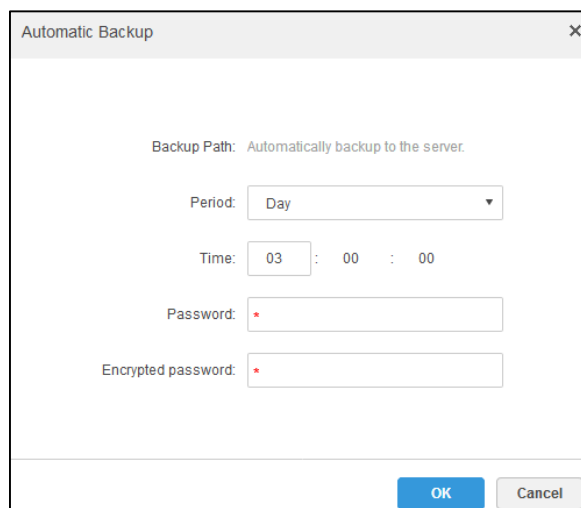
Step 3 Click **OK**, and the backup file will be downloaded to your PC.

Automatic Backup

Step 1 Select  > Backup and Restore > Backup.

Step 2 Click **Automatic Backup** and configure parameters.

Figure 3-67 Automatic Backup



Step 3 Click **OK**.

Files are automatically backed up to the server based on the selected period and time.

Step 4 View the automatically backed up files on the server. The default backup path is Server Installation Directory-Servers-back-db_backup

Figure 3-68 Viewing backup directory

	127.0.0.1_dss_20201220_dml_1.sql	12/20/2020 3:00 AM	SQL File	86 KB
	127.0.0.1_dss_20201221_1.sql	12/21/2020 3:00 AM	SQL File	711 KB
	127.0.0.1_dss_20201221_dml_1.sql	12/21/2020 3:00 AM	SQL File	86 KB
	127.0.0.1_dss_20201222_1.sql	12/22/2020 3:00 AM	SQL File	727 KB

3.13.2.2 Restoring System

When the user database is abnormal, you can use system restoration to restore the data to the last backup time, thus quickly restoring the Platform and reduce losses.



During system restoration, stop other users from using the Platform. This function might change the data information. Use this function with caution.

Local File Restoration

Local restoration usually restores the backup file to the server.

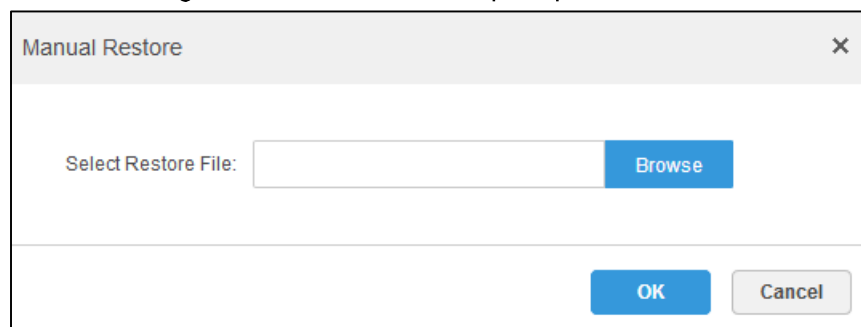
Step 1 Select  > Backup and Restore > Restore.

Figure 3-69 Restoring System



Step 2 Click **Local**.

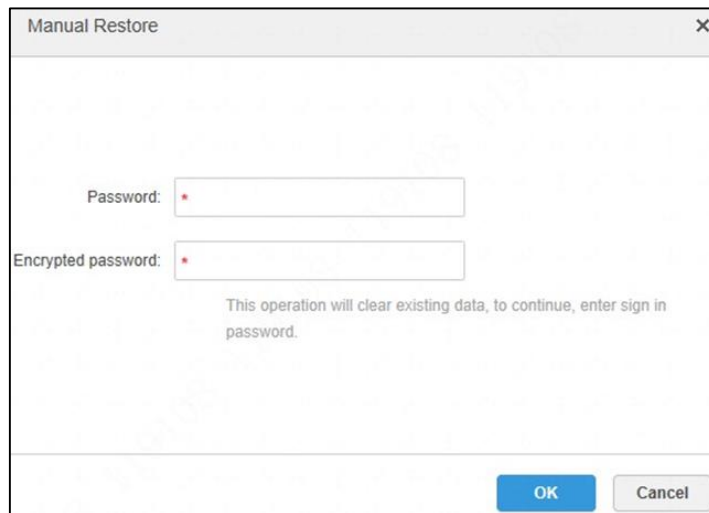
Figure 3-70 Select the backup file path.



Step 3 Click **Browse**, select a file and click **OK**.

Step 4 Set Password and Encrypted Password.

Figure 3-71 Entering password



Manual Restore

Password:

Encrypted password:

This operation will clear existing data, to continue, enter sign in password.

OK Cancel

Step 5 Click **OK**.

During data restoration, you can see the restoration progress from the process bar. After restoration, the system will restart.

Server File Restoration

To restore data from the backup file on the server, you need to enable the automatic backup, and the server will back up the database based on the defined period and generate a backup file.

Step 1 Select  > Backup and Restore > Restore, and click Server.

Figure 3-72 Restoring from server

Server Recover			
SN	Time	File Size	Operation
1	2021-01-08	43.23KB	
2	2021-01-07	38.02KB	
3	2021-01-06	36.39KB	
4	2021-01-05	36.21KB	
5	2021-01-04	35.63KB	
6	2021-01-03	35.24KB	
7	2021-01-02	35.24KB	
8	2021-01-01	35.23KB	
9	2020-12-31	34.84KB	
10	2020-12-30	34.37KB	
Total 16 record(s)   1 / 2  			

Step 2 Click  in the pop-up list and select the file to be restored.

Step 3 Enter the admin password and click **OK** to restore the data.
After the data is restored successfully, the system will restart.

3.13.3 Log Management

You can view the WEB manager and the client operation log in **Log** on the Platform, and search by type, period and keywords. The results can be exported (in pdf format by default).

Step 1 Select  > **Log**.

Step 2 Select Log Type, Event Type or Period.

Search results are displayed, and the total number is displayed at the lower-left corner.

Figure 3-73 Log

Time	Username	Event Type	Event Contents	IP
2021-01-08 04:02:16	system	Login	Exit	10.33.10.105
2021-01-08 03:37:37	system	Login	Login	10.33.10.105
2021-01-08 02:53:23	system	Vehicle Management	Update Active Security Rule Params	10.33.10.105
2021-01-08 02:44:51	system	Login	Login	10.33.10.105
2021-01-08 01:49:09	system	Login	Exit	10.33.10.105
2021-01-08 01:41:36	system	Login	Exit	10.33.10.105
2021-01-08 01:08:48	system	Device	Add Device - video wall	10.33.10.105
2021-01-08 01:04:13	system	Video Wall	Delete Video Wall - video wall_1	10.33.10.105
2021-01-08 01:02:01	system	Emap	Modify Device Coordinate	127.0.0.1
2021-01-08 00:57:37	system	Emap	Add hot zone inside hot zone	127.0.0.1
2021-01-08 00:55:55	system	Emap	GIS map move position of hotzone test	127.0.0.1
2021-01-08 00:55:46	system	Emap	Add hot zone test on GIS map	127.0.0.1
2021-01-08 00:53:37	system	Emap	Modify Device Coordinate	127.0.0.1
2021-01-08 00:53:34	system	Emap	Modify Device Coordinate	127.0.0.1

Step 3 Click **Export** to export the log information, it will be automatically downloaded to your PC.

Step 4 View the log export result. The current exported log compressed package will be displayed in the lower left corner of the browser. You can also view it in the download content section of the browser.

Step 5 Check the final log recording result.

3.13.4 Operation and Maintenance Statistics

System operation and maintenance statistics search is supported on the WEB Manager to understand system operation status in time.

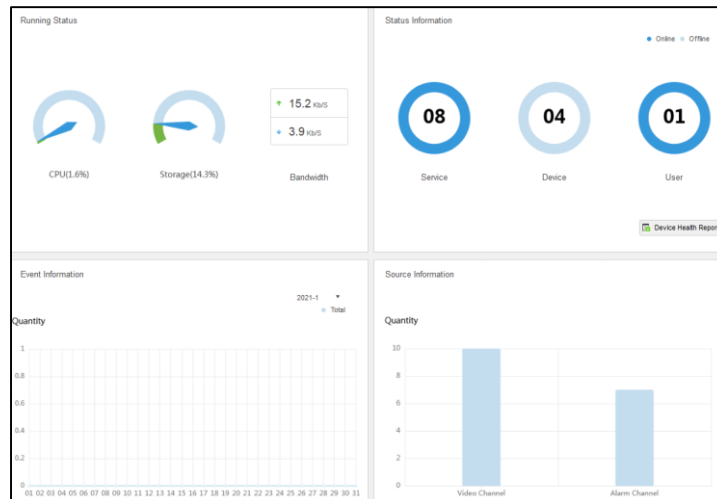
3.13.4.1 Overview

Step 1 Select  > **operation and maintenance statistics**, you can see the integrated system information such as running status, status information, event information and source information.



Click  at the upper-right corner of each module interface to get back to the system information main page.

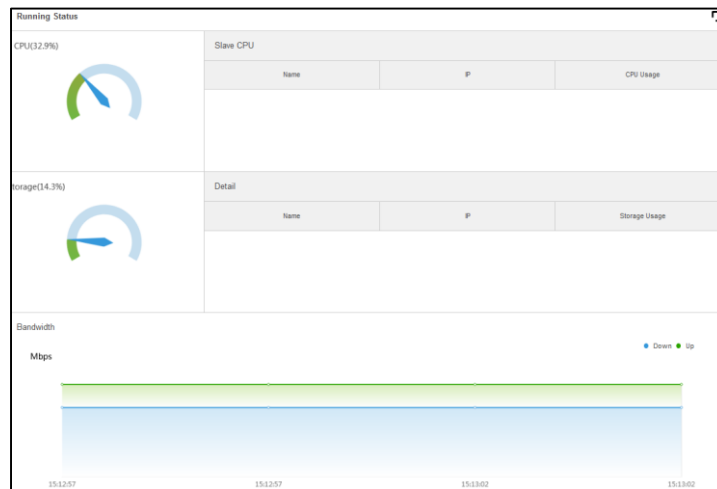
Figure 3-74 Overview



3.13.4.2 Running Status

Step 1 Click **Running Status** to view the detailed CPU, storage occupancy, and bandwidth utilization.

Figure 3-75 System Information



3.13.4.3 Status Information

Step 1 Click **Status Information** to view the statistics of online and offline status of servers, devices, and users. You can also check the device health report.

Server Status

Step 1 Click  on the **Server Status** interface to display the server details.

Figure 3-76 Server status

Server Status

Device Status

User Status

Device Health Report

Server Status

10.35.224.43

10.35.224.43

Master

Master Server

Running

Name	Service Type	Status
SS(1001)	SS(Storage Service)	Online
MTS(2001)	MTS(Medium Transfer Service)	Online
VMS(6001)	VMS(Video Matrix Service)	Online
ARS(8001)	ARS(Active Register Service)	Online
MGW(103001)	MGW(Media Gateway Service)	Online
PCPS(9001)	PCPS(ProxyList Control Proxy Service)	Online
DMS(4001)	DMS(Device Management Service)	Online
ADS(16001)	ADS(Alarm Dispatch Service)	Online

Device Status

Step 1 Click Device Status.

Figure 3-77 Real-time status

Device Status					
Org: root Search... Export					
Device ID	Status	Device Name	Org	IP/Domain	
1000004	Offline	video wall	New Organization0	alibaba-inc.com	
1000002	Offline	test	New Organization0	dahuatech.com	
1000001	Offline	1	root		
1000000	Offline	210	root		

Step 2 View the device status.

- Click **Real Time** on top to view the real-time status of the device.
- Click **History** on top to view the history status of the device.

Step 3 Click **Export**.

Export the real-time status of the device (pdf format).

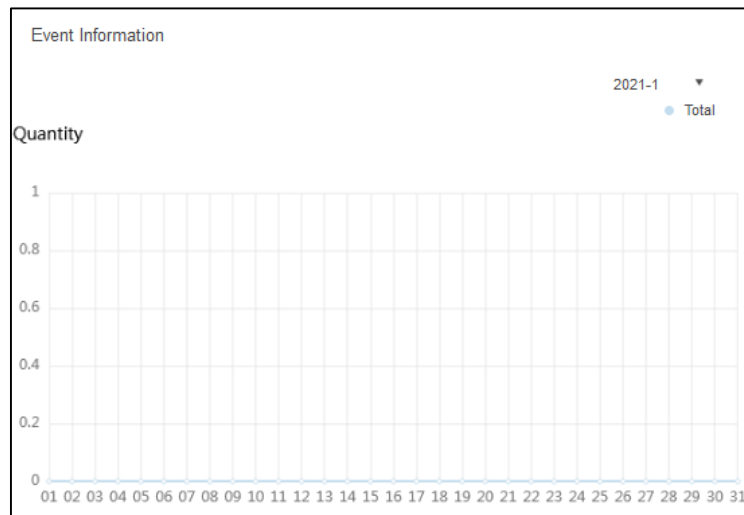
Step 4 User Status: Click to view the details.

Device Health Report: Click to view the details.

3.13.4.4 Event Information

View the total number of alarm events and the number of processed alarm events by month.

Figure 3-78 Event Information



3.13.4.5 Resource Information

Click **Resource Information** to view the statistics of video and alarm channels.

- ◇ Click **Video Channel** to view the video channel details.
- ◇ Click **Alarm Channel** to view the alarm channel details.

3.13.5 Domain

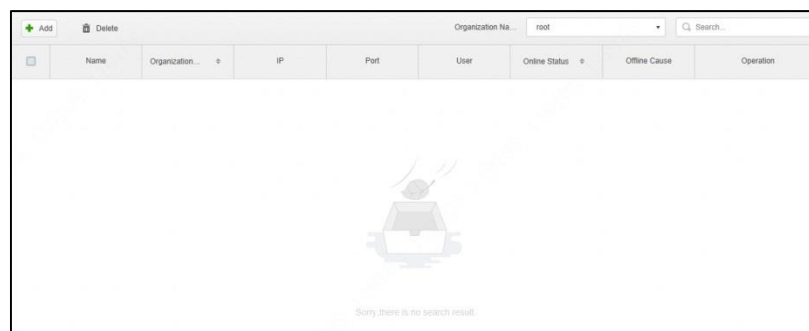
The Platform supports cascading, which means the superior can view the channels (video, recordings and alarms). Cascading configuration is to add subordinates to the superior, and up to three levels are supported.



- Confirm that a single server has been deployed before configuration.
- If there are multiple subordinates, add them in turn according to the following steps.

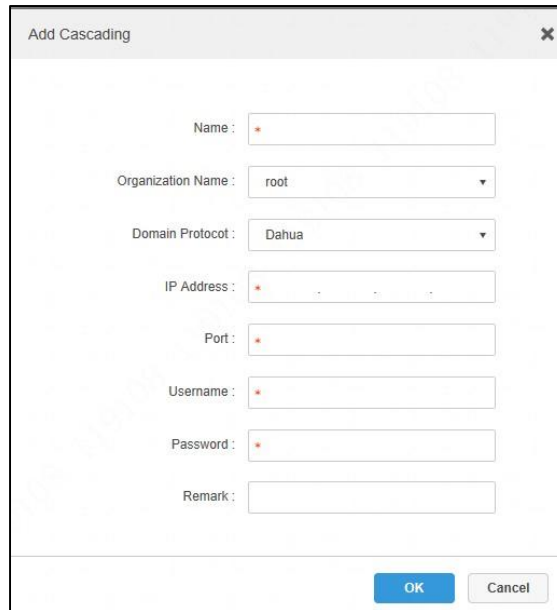
Step 1 Select  > **Domain**.

Figure 3-79 Cascading



Step 2 Click **Add**.

Figure 3-80 Adding cascading



The 'Add Cascading' dialog box contains the following fields:

- Name: *
- Organization Name: root
- Domain Protocol: Dahua
- IP Address: *
- Port: *
- Username: *
- Password: *
- Remark:

Buttons: OK, Cancel

Step 3 Configure parameters and click **OK**.

Table 3-18 Description of cascading parameters

Parameter	Description
Organization Name	Set the superior platform of the added cascading platform. After setting, all organizations and devices of this platform can call monitoring on the superior platform.
Port	Set as the HTTPS port number of the added cascading platform.

Step 4 Click **OK**.

Figure 3-81 Cascading record



Add		Delete		Organization Na...		root		Search...	
	Name	Organization...	IP	Port	User	Online Status	Offline Cause	Operation	
☐	test	root	10.35.224.32	443	system				

Related Operations

- Delete: Select one or more cascading records, and then click **Delete** to delete them.
- You can operate the cascading records as follows.
 - ◇ Click to jump to the login interface of the channel.
 - ◇ Click to edit the cascading information of the channel.
 - ◇ Click to delete the cascading information.

3.14 API Debug

Developers or users can perform interface service debugging via the API Debug module.

For details, please refer to the ***MobileCenter_Third-Party Interface Integration Document***.



To use the API Debug function module, authorization must first be imported in the "3.3.7 Configuring API Debug " module.

4 Client

There is the PC client and mobile APP. PC client is taken as an example to introduce the functions.

4.1 Installation and Login

4.1.1 PC Configuration Requirements

Table 4-1 Configuration requirements

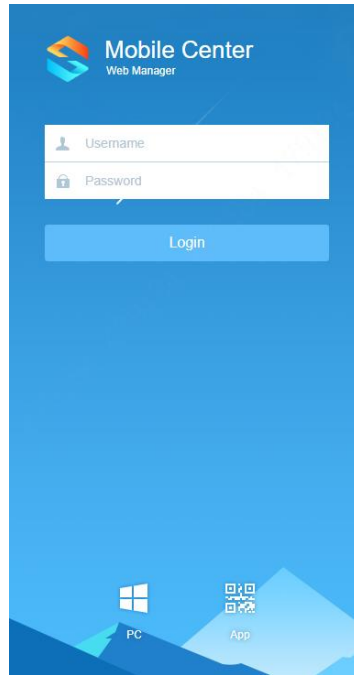
Parameter	Description
Recommended Configuration	• CPU: i5-6500 • Main frequency: 3.20 GHz • RAM: 8 GB • Graphics card: Inter HD Graphics 530 • Network adapter: 1 Gbps • HDD: HDD 1T • Space: 200 GB
Minimum configuration	• CPU: i3-2120 • Memory: 4 GB • Graphics card: Intel (R) Sandbridge Desktop Gra • Network adapter: 1 Gbps • HDD: HDD 300 GB • Space: 100 GB

4.1.2 Downloading and Installing Client

4.1.2.1 Installing PC Client

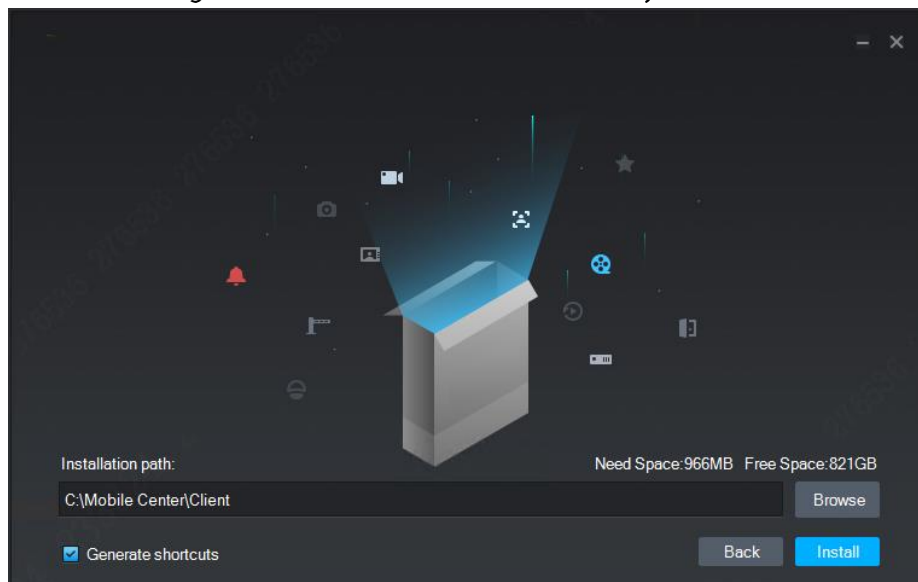
Step 1 In the browser address bar, enter the Platform IP address, and then press **Enter**.

Figure 4-1 Download PC client



- Step 2 Click  to download the client.
- Step 3 Click **Save** to save it to your PC.
- Step 4 Double-click the client installation package.
- Step 5 Select "I have read and agree to the agreement ", and then click **Next**.
- Step 6 Select the installation path.

Figure 4-2 Select the installation directory



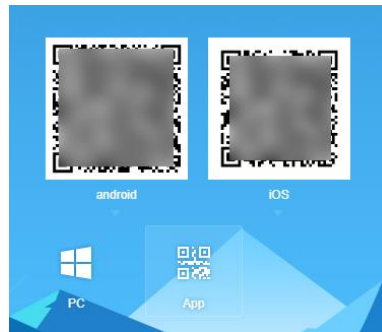
- Step 7 Click **Install**.
The installation takes three to five minutes.
- Step 8 Click **Run**.

4.1.2.2 Mobile APP

- Step 1 In the browser address bar, enter the Platform IP address, and then press **Enter**.

Step 2 Click  to view the QR code of the mobile APP. This function is currently available on iOS and Android.

Figure 4-3 Mobile APP QR code



Step 3 Scan the QR code to download the mobile APP.

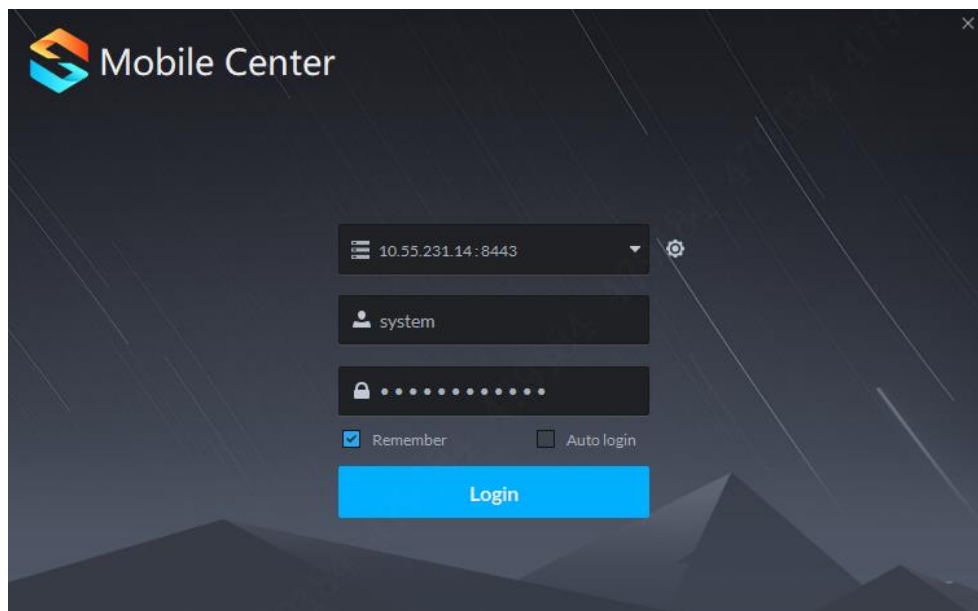
4.1.3 Logging in to the Client



Mobile Center
Client

Step 1 Double-click

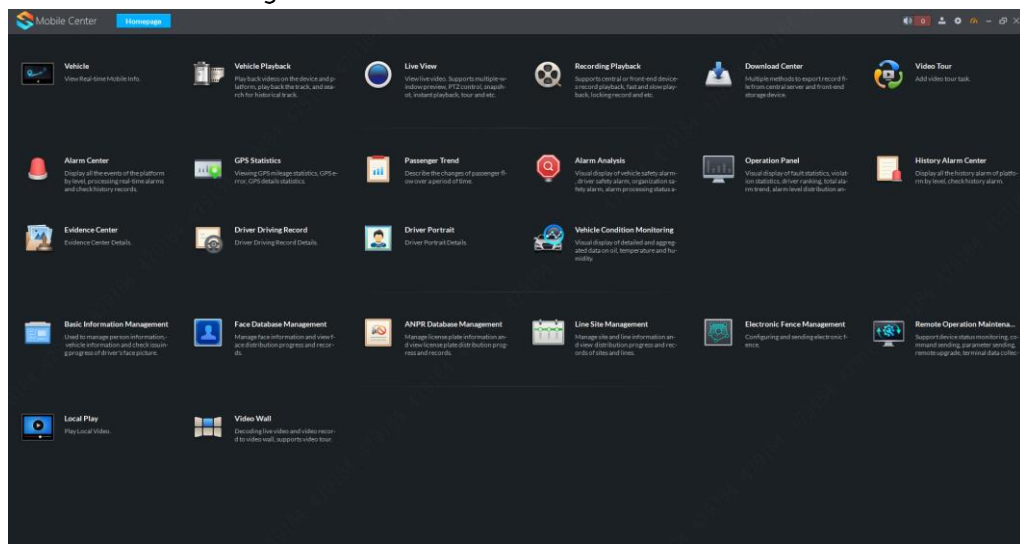
Figure 4-4 Client login interface



Step 2 Enter the username, password, server IP and port.
Server IP is the IP address of the Platform, and the port is 8443 by default.

Step 3 Click **Login**.

Figure 4-5 Main interface of the client

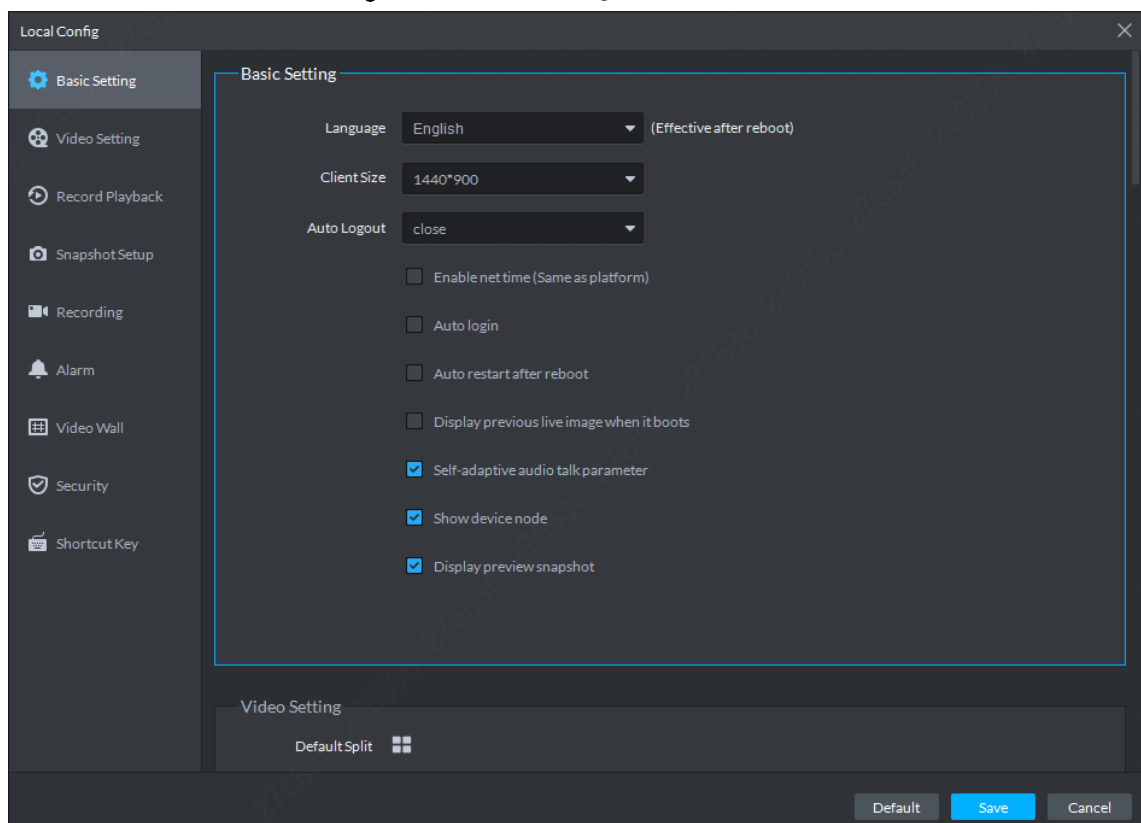


4.2 Local Configuration

When logging in to the client for the first time, you need to set the system parameters, including basic setting, video setting, record playback, snapshot setup, recording, alarm, video wall, security and shortcut key.

Step 1 Click  at the upper-right corner of the homepage.

Figure 4-6 Local Configuration



Step 2 Configure Basic Setting.

Table 4-2 Description of parameters for basic setting

Parameter	Description
Language	The language displayed on the client. You can choose from Chinese, English, Portuguese, Turkish, Italy, Spanish.
Client Size	The display size of the client.
Enable net time (Same as platform)	Select the checkbox and the client immediately sends a request to the server for time synchronization.
Auto Logout	Select the Auto logout time, and the user will automatically log out the selected time point.
Auto login	Select the checkbox to enable auto login.
Auto start after reboot	Select the checkbox to enable auto start of the client after PC startup.
Display previous live image when it boots	Select the checkbox to display previous live image at the next boot without binding the channel again.
Self-adaptive audio talk parameter	Select the checkbox and the system automatically matches the sampling frequency, sampling bits, and audio format of the device in voice talk.
Show device node	Select this checkbox and the device node is displayed.
Display preview snapshot	Move the mouse over the device to display live view snapshot.

Step 3 Click Video Setting, configure the parameters.

Figure 4-7 Video setting

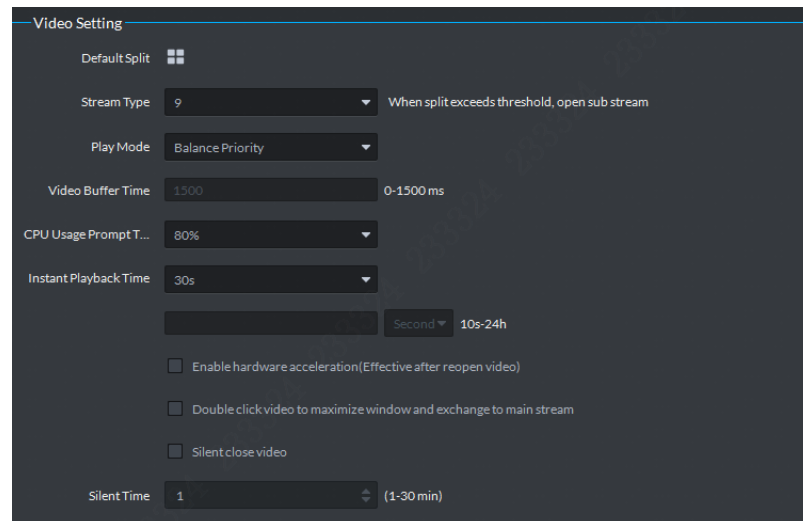


Table 4-3 Description of parameters for video setting

Parameter	Description
Default Split	Select the default split of the video window.
Stream Type	Set the split threshold, and when the split number exceeds the threshold, open the sub stream.
Play Mode	Select a play mode from Real-time Priority, Fluency Priority, Balance Priority, and Customize.
Video Buffer Time	Set the video buffer time.  Only available when setting Play Mode to Customize .
CPU Usage Prompt Threshold	Prompts CPU usage alert when exceeding the defined threshold.

Parameter	Description
Instant Playback Time	Select the instant playback time. Click Instant Playback on the live interface to view playback of the defined period.
Enable hardware acceleration (Effective after reopen video)	Select the checkbox to improve the client running performance through hardware acceleration.
Double-click video to maximize window and exchange to main stream	Select the checkbox to enable this function.
Silent close video	Select the checkbox and set the time (1–30 minutes). When there is no operations on the video for the defined period, video closes.

Step 4 Click Record Playback, configure the parameters.

Figure 4-8 Recording playback

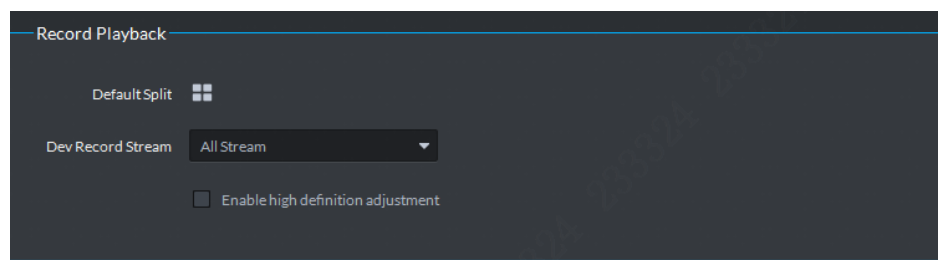


Table 4-4 Description of parameters for record playback

Parameter	Description
Default Split	Select the default split of the record playback window.
Dev Record Stream	Select the stream for record playback.
Enable high definition adjustment	Select the checkbox to enable this function. Frame extraction under high-definition fast play at high stream can relieve decoding pressure and play video smoothly.

Step 5 Click Snapshot Setup , configure the parameters.

Figure 4-9 Snapshot setup

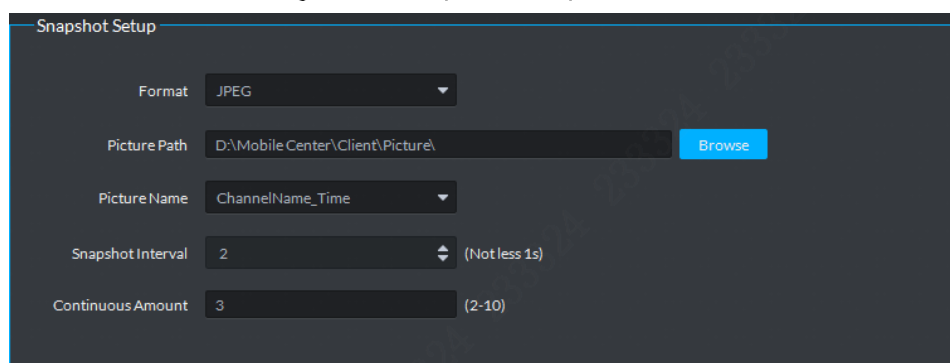


Table 4-5 Description of parameters for snapshot setup

Parameter	Description
Format	The format of snapshot.
Picture Path	The path for saving snapshots. The default path is "Mobile Center\Client\Picture".
Picture Name	Naming rule of snapshot.
Snapshot Interval	The interval of taking snapshots.
Continuous Amount	Number of continuous snapshots.

Step 6 Click **Recording**, configure the parameters.

Figure 4-10 Recording

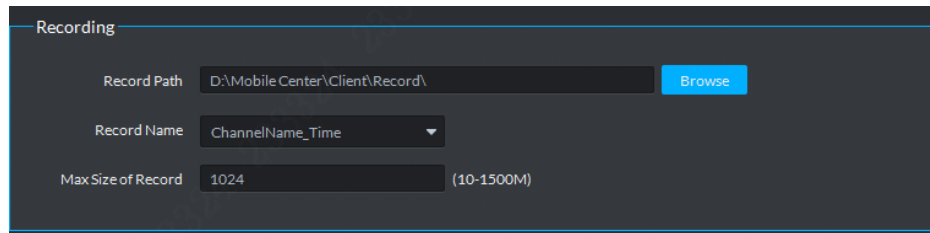


Table 4-6 Description of recording parameters

Parameter	Description
Record Path	Path for saving recordings. The default path is "\Mobile Center\Client\Record".
Record Name	Naming rule of recording files.
Max Size of Record	The maximum size of recording files.

Step 7 Click **Alarm**, configure the parameters.

Figure 4-11 Alarm

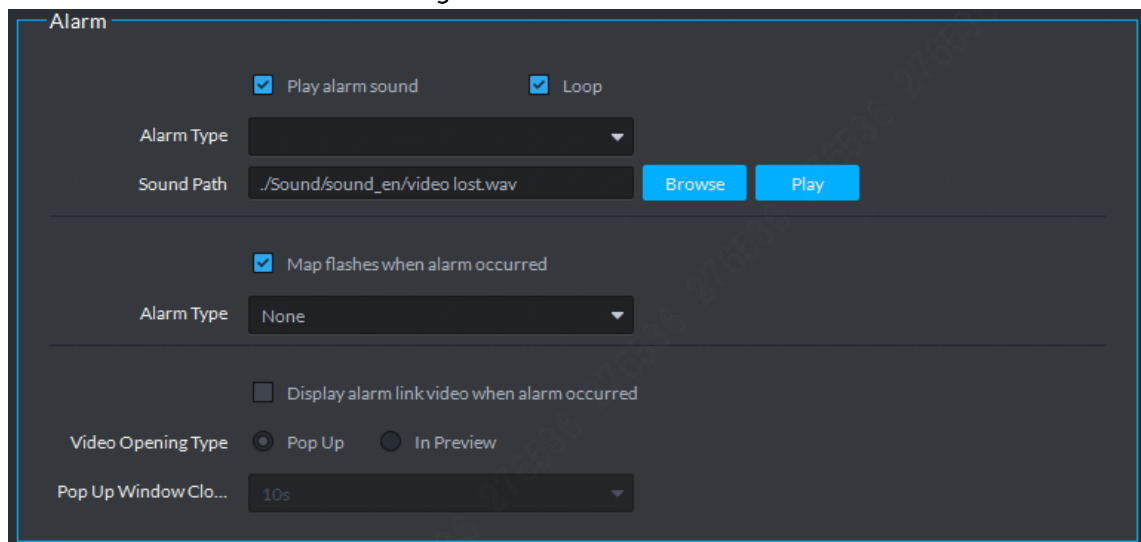


Table 4-7 Description of alarm parameters

Parameter	Description
Play alarm sound	Play the alarm sound when an alarm is triggered.
Loop	Play the alarm sound repeatedly when an alarm is triggered.  Select the checkbox only when Play alarm sound is enabled.
Alarm Type	Select the alarm type for playing alarm sound.  Select Alarm Type only when Play alarm sound is enabled.
Sound Path	The path of alarm sound.
Map flashes when alarm occurred	Select the checkbox and set the alarm type. When the alarm of selected type is triggered, the alarm location flashes on the map.
Display alarm link video when alarm occurred	Select the checkbox to automatically play alarm link video when an alarm is triggered.

Parameter	Description
Video Opening Type	Select Pop Up or In Preview to play the video in the client when an alarm is triggered.  If In Preview is selected, set the live view window as the alarm window.
Pop up Window Close Time	When the set time is reached, the pop up closes automatically.

Step 8 Click Video Wall, configure the parameters.

Figure 4-12 Video Wall

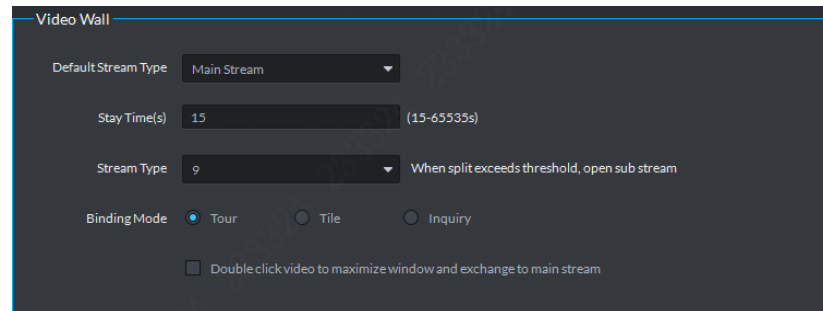


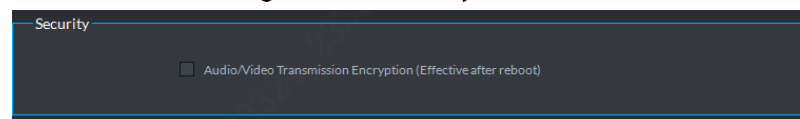
Table 4-8 Description of video wall parameters

Parameter	Description
Default Stream Type	Select from Main Stream , Sub Stream 1 , Sub Stream 2 , and Local Signal .
Stay Time(s)	Set the time when the video stays on the wall.
Stream Type	When the split number exceeds the threshold, open the sub stream.
Binding Mode	Select the Binding Mode from Tour , Tile , and Inquiry to display the videos on the wall.
Double click video to maximize window and exchange to main stream	Switches the stream type to the main stream when double-clicking the video to maximize window.

Step 9 Click Security, configure the parameters.

Select **Audio/Video Transmission Encryption (Effective after reboot)** to enable audio or video encryption when transmitting.

Figure 4-13 Security



Step 10 Click Shortcut Key.

Select **PC Keyboard**, select functions and then press the keys on keyboard to set shortcut keys.

Figure 4-14 Shortcut key

Shortcut Key			
Keyboard Type ☐ Joystick/USB NKB ☒ PC Keyboard			
Function	Shortcut Key	Function	Shortcut Key
Move Window Up	Up	Lock Client	Ctrl+L
Move Window Down	Down	Snap Single Window	P
Move Window Left	Left	One-click Snapshot	Ctrl+P
Move Window Right	Right	Local Record	Ctrl+R
Aperture-	Insert	Preset 1	1
Aperture+	Delete	Preset 2	2
Focus-	Home	Preset 3	3
Focus+	End	Preset 4	4
Zoom-	PgUp	Preset 5	5
Zoom+	PgDn	Preset 6	6
Open Single Window	Enter	Preset 7	7
Close Single Window	Enter	Preset 8	8
Open Full Screen	Ctrl+F	Preset 9	9
Exit Full Screen	Esc	Preset 10	0
Tours Pause/Continue	Ctrl+T		

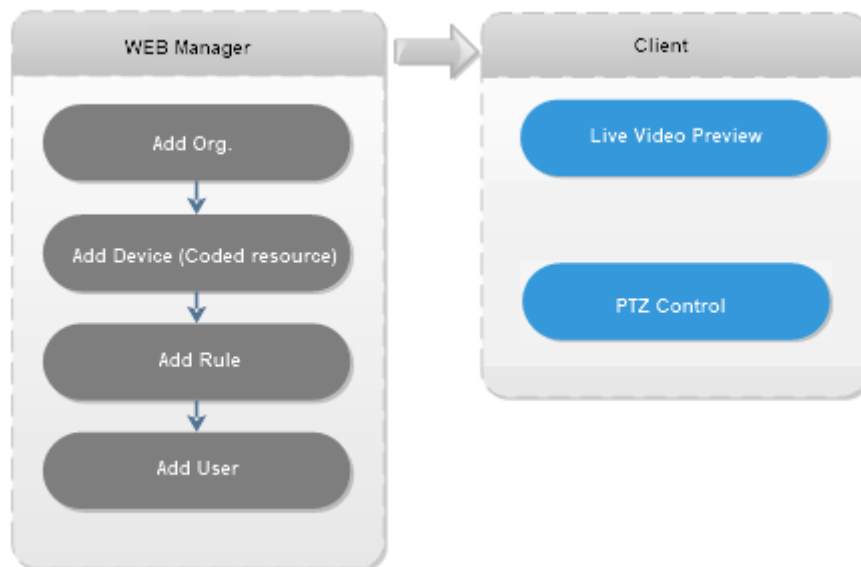
Step 11 Click **Save**.

4.3 Video Live View

4.3.1 Preparations

The encoding device has been added on the Platform. For details, see "3.6Adding Device".

Figure 4-15 Flow chart of video live view



4.3.2 Live View

4.3.2.1 Live Video

Click **Live View** on the main interface. The **Live View 1** interface is displayed by default.

In the device list on the left side, select a channel and double-click it or drag it to the video window. Double-click a device to open all channels of the device. The real-time monitoring interface is displayed in the video window.

Figure 4-16 Live view

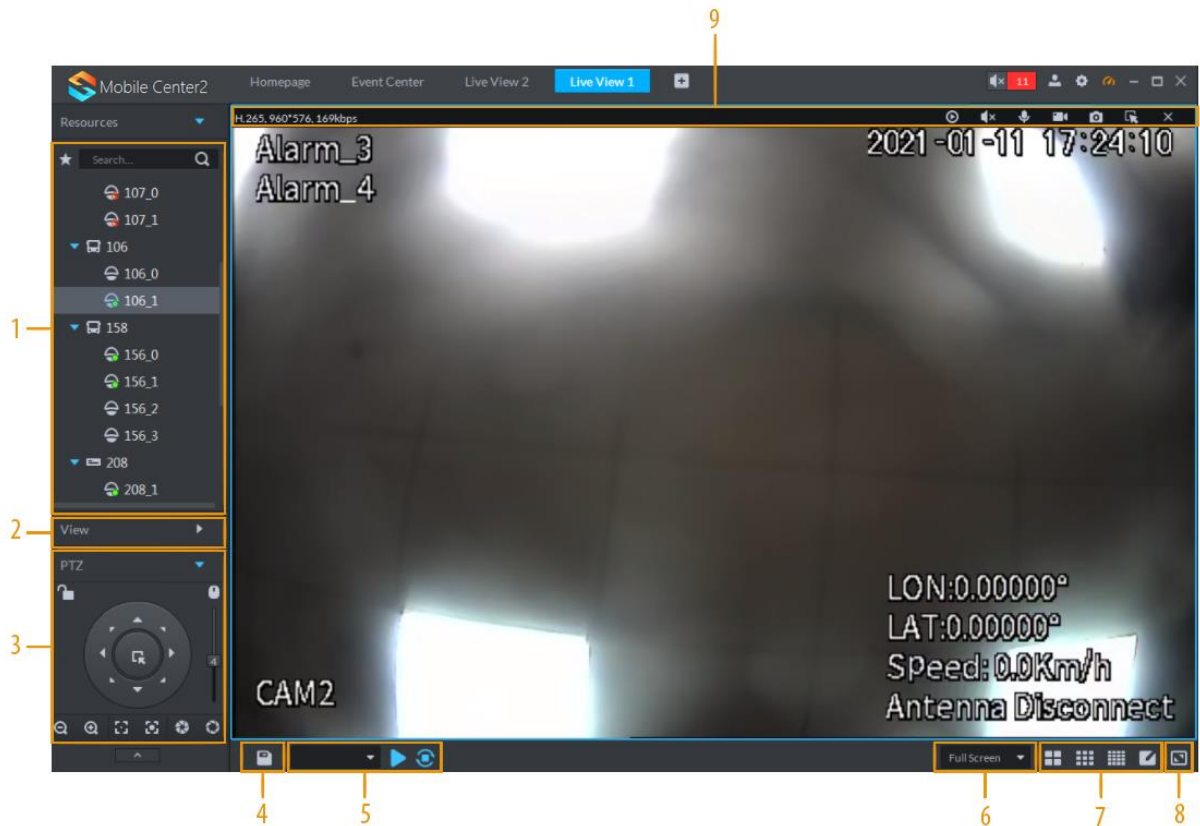


Table 4-9 Functions of live view interface

No.	Parameter	Description
1	Device tree	- If in Basic Setting, you select Show device node, the Device Tree shows the device and the channels under it. If deselected, channels of all devices are displayed. - Enter device or channel name in Search... to search for channels.  View Favorites folder. Right-click the added channels, you can delete the channel. Right-click the folder, you can tour view the added channels or create new folders.
2	View	Save the current video window as a view through clicking  . - Supports three-level directories. - Supports video touring at the first and the second nodes. - You can create up to 100 views.
3	PTZ	For PTZ camera functions, see "4.3.3PTZ Configuration".
4	Save view	Click  to save the current video window as a view.

No.	Parameter	Description
5	Tour	Select a tour plan, and click  to enable the tour, and click  to disable it.  Create tour task in Tour Config before playing.
6	Display mode	Full Screen: Displays the video in full screen. Original Scale: Displays the video in its actual ratio.
7	Window split mode	You can select to split the video window from 1 to 64, or click  to customize the split mode.
8	Full screen	Switch the video window to full screen. Press the Esc key or right-click to select Exit Full Screen to exit.
9	Video information	Show encoding format, stream information, and shortcut operations. For details, see "4.3.2.3Window Shortcut Menu".

4.3.2.2 Right-click Shortcut Menu

- Right-click the device tree on the left side. For organization, device and channel, each supports different operations.

Figure 4-17 Organization menu

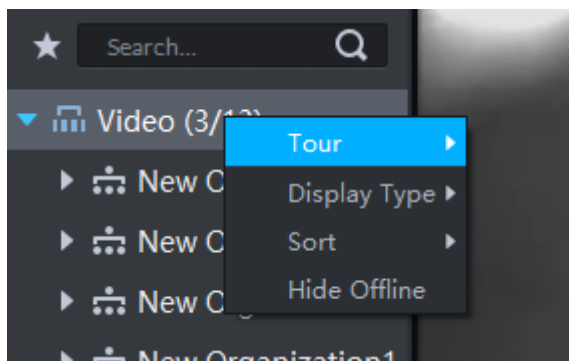


Table 4-10 Description of right-click menu

Menu Type	Parameter	Description
Organization	Tour	Set the tour interval.
	Display Type	Select the display mode of devices (name or IP).
	Sort	Sort the devices by ascending, descending and default order.
	Hide Offline	Hide or display the offline nodes.
Device	Device Config	Configure camera attributes and file management.
Channel	Add to Favorites	Add the channel to Favorites.  To display groups added to the Favorites , click  .

- Right-click the live view video window.

Figure 4-18 Live view menu

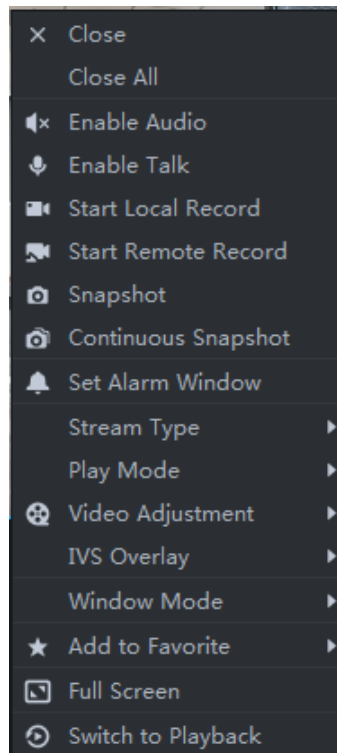


Table 4-11 Description of right-click menu

Parameter	Description
Close	Close the current video window.
Close All	Close all video windows.
Enable Audio	The same as  , enabling or disabling the audio function of the camera.
Enable Talk	The same as  , enabling or disabling the voice talk function of the corresponding device. Select  > Basic Setting > Self-adaptive audio talk parameter . The device automatically adapts to each parameter value when enabling it.
Start Local Record	The same as  , recording the audios and videos in the current video window and saving them to a local PC.
Start Remote Record	Click to start remote record. Then the menu item changes to Stop Remote Record . Click it to stop recording. If the Platform is configured with a video storage disk, recording files are stored on the Platform server.
Snapshot	The same as  , saving images in the current video window to the picture folder as snapshots. One snapshot is saved for every call of the port.
Continuous Snapshot	Save images in the current video window to the snapshot folder as snapshots. By default, the system takes three snapshots on one click.
Set Alarm Window	Set the current video window as the alarm output window.
Stream Type	Select the stream type from Main Stream , Sub Stream 1 , and Sub Stream 2 .  If Sub Stream 1 and Sub Stream 2 are selected, select the same from the Stream drop-down list when you add a device on the Platform.

Parameter	Description
Play Mode	You can select from Real-time Priority, Fluency Priority, Balance Priority, or Customize.
Video Adjustment	Picture adjustment.
IVS Overlay	Select from Rule Overlay and Target Box Overlay.
Installation Mode	Installation modes include ceiling mount, wall mount, and ground mount. The real-time videos are automatically corrected according to the selected installation mode.  This mode is only available on fisheye camera.
Fisheye view mode	The current image display mode (original image format is supported). Display modes according to different installation modes, Live video will be corrected according to the installation method. • Ceiling mount: 1P+1, 2P, 1+2, 1+3, 1+4, 1P+6, 1+8. • Wall mount: 1P, 1P+3, 1P+4, 1P+8. • Ground mount: 1P+1, 2P, 1+3, 1+4, 1P+6, 1+8.  This mode is only available on fisheye camera.
Split Mode	Standard mode, 1+3 mode, and 1+5 mode.
Add to Favorites	Add the current channel or all channels to the Favorites.
Full screen	Switch the video window to full screen. Press the Esc key or right-click to select Exit Full Screen to exit.
Switch to Playback	Quickly switch the live view interface to the playback interface without going back to the homepage.

4.3.2.3 Window Shortcut Menu

Move the mouse to the video window, and the shortcut bar is displayed at the upper-right corner of the window.

Figure 4-19 Window Shortcut Menu



Table 4-12 Description of window shortcut menu

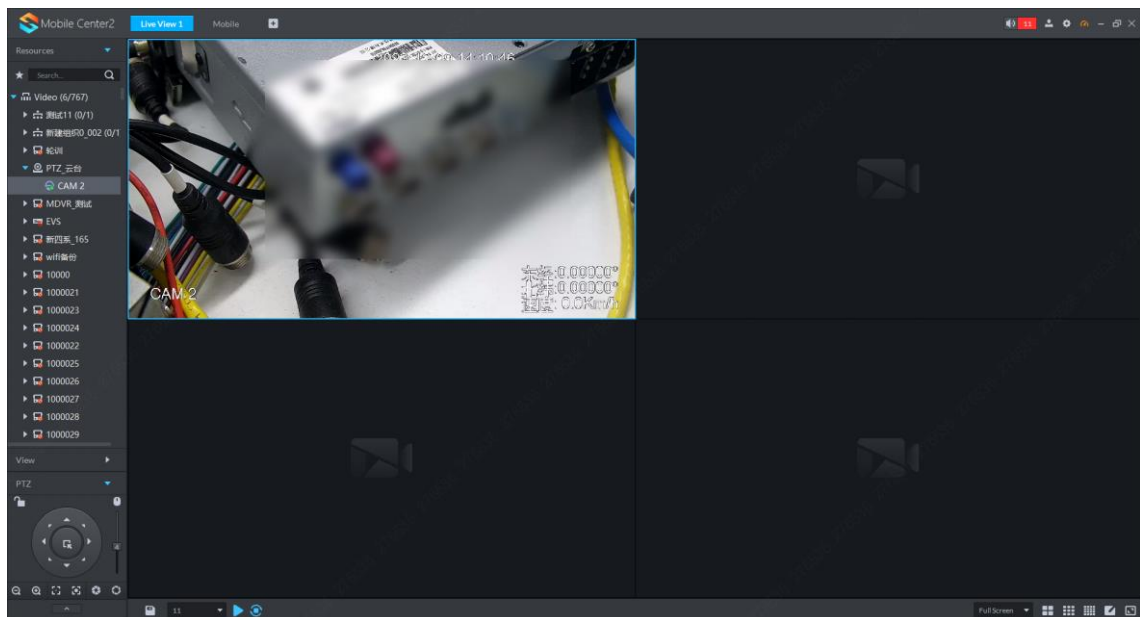
Icon	Icon Name	Description
	Instant playback	Enable or disable instant playback.  - Set the playback time on the Local Config interface. - Only available when central recordings or device recordings exist. - Central recordings take the priority in playback.
	Audio	Turn on or off audio.
	Voice talk	Turn on or off voice talk.
	Local recording	Click to record a local video. Click again to stop recording and save the recording to the local PC.
	Snapshot	Click to take snapshots.
	Close	Click to close the video.

4.3.3 PTZ Configuration

4.3.3.1 PTZ operation station

Step 1 On the **Live View** interface, open the video of PTZ camera.

Figure 4-20 Live video



Step 2 Click  to display the PTZ operation station.

Figure 4-21 PTZ

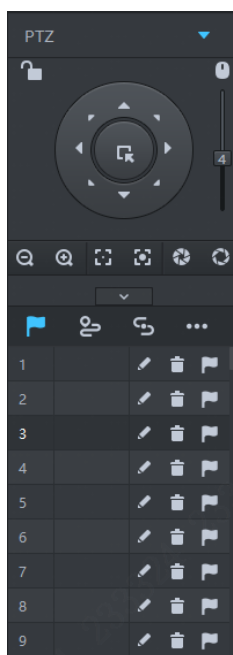
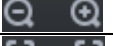


Table 4-13 Description of PTZ operation station

Parameter	Description
	Click  to lock the current PTZ.  indicates a locked interface. Different PTZ control permissions are given to users of different role levels. • A high-level user can click  to unlock and use the PTZ locked by a lower level user. • A low-level user cannot unlock the PTZ locked by a higher level user. The PTZ can be used only when the PTZ is automatically unlocked. • Users of the same level can unlock the PTZ locked by each other.  The default time to automatically unlock PTZ is 30 s.
	Control PTZ camera by using the mouse.
Direction button	Used to control the PTZ rotation direction. PTZ can rotate in eight directions: Up, down, left, right, top left, top right, bottom left, and bottom right.
	3-dimensional positioning and local zoom in (high-speed PTZ): Zoom in and out the selected area.  This function only works through the mouse operation.
	Adjust the PTZ rotation speed up or down to set different rotation speeds from 1 to 8.
	Zoom: Adjust the zooming of images.
	Focus: Adjust the definition.
	Aperture: Adjust the brightness.

Parameter	Description
	Provide preset, tour, pattern, line scan, pan, wiper, light, infrared light, and other functions. For detailed settings, see "4.3.3.2PTZ Configuration".

4.3.3.2 PTZ Configuration

4.3.3.2.1 Setting Preset

By setting the preset, you can rotate the camera to the corresponding position.

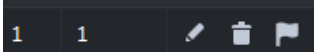
Step 1 Click the direction button of PTZ to rotate the camera to the target position.

Step 2 Click .

Step 3 Click  next to **1**.

Step 4 Enter the preset number and click .

The preset is then added.

Step 5 Click  next to the corresponding preset number  to rotate the camera to preset position 1.

4.3.3.2.2 Setting Tour

By setting the tour, you can enable the camera to tour among different presets.



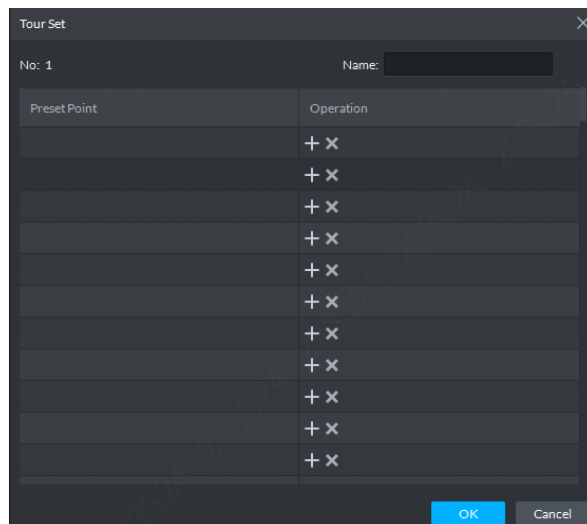
Before setting the tour, add at least two presets in advance.

Step 1 Click , and then click  next to **1** to configure **Tour Set**.

Step 2 Enter the **Name**, and click  in the **Operation** column.

Step 3 Select the presets from the **Preset Point** drop-down list on the left.

Figure 4-22 Adding preset



The screenshot shows a 'Tour Set' dialog box with a close button (X) in the top right corner. Inside, there's a 'No: 1' label and a 'Name:' input field. Below these is a table with two columns: 'Preset Point' and 'Operation'. The 'Operation' column contains ten rows, each with a '+ x' button. At the bottom right of the dialog, there are 'OK' and 'Cancel' buttons.

Step 4 Click **OK**.

Step 5 Click **OK**.

To start the tour, click  next to **1**. The camera starts the tour among the configured presets.

4.3.3.2.3 Setting Pattern

Enable Pattern to record the operation process.

Step 1 Click .

Step 2 Click  next to **1**, and then use the eight buttons on the PTZ to set the pattern.

Step 3 Click  to finish pattern setting.

Step 4 Click , and the PTZ camera rotates according to the configured pattern path.

4.3.3.2.4 Setting Line Scan

Step 1 Click .

Step 2 Click the PTZ button to rotate the PTZ leftward to a position. Click  under **Scan** to set the left boundary.

Step 3 Rotate the PTZ rightward to a position. Click  to set the right boundary.

Step 4 Click  to start line scan. The PTZ rotates between the two configured boundary points.

4.3.3.2.5 Enabling/Disabling Pan

Click  and then click , the camera keeps rotating horizontally; click  to stop rotating.

4.3.3.2.6 Starting/Stopping Wiper

Control the wiper of external devices through RS-485 command.



Only available when connecting with wiper-attached external devices.

Click  and then click  to start the wiper; click  to stop the wiper.

4.3.3.2.7 Turning on/off Light

Control the light of external devices through RS-485 command.



Only available when connecting with light-attached external devices.

Click  and then click  to turn on the light; click  to turn off the light.

4.3.3.2.8 Setting Custom Commands

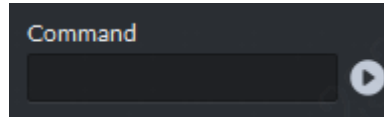


Custom commands vary on different devices. For details, contact the device manufacturers.

Step 1 Click .

Step 2 Enter the command in the **Command** bar.

Figure 4-23 Command



Step 3 Click  to display the corresponding result of the custom command.

4.3.3.2.9 PTZ Menu

Step 1 Click .

Figure 4-24 Menu

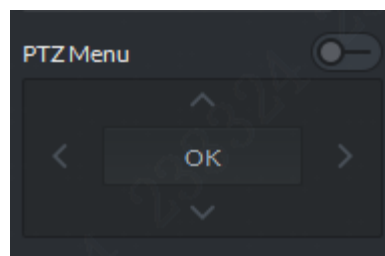


Table 4-14 Description of PTZ menu parameters

Parameter	Description
	Move the cursor up and down to select parameters.
	Change the selected parameter.
	Click  to enable PTZ menu. The main menu is displayed on the monitoring window.
	Click  to disable PTZ menu.
OK	Click OK to perform the following functions: - If there is a sub-menu for an item, click OK to go to the sub-menu. - Move the cursor to Return, and then click OK to return to the previous menu. - Move the cursor to Exit, and then click OK to exit the menu.

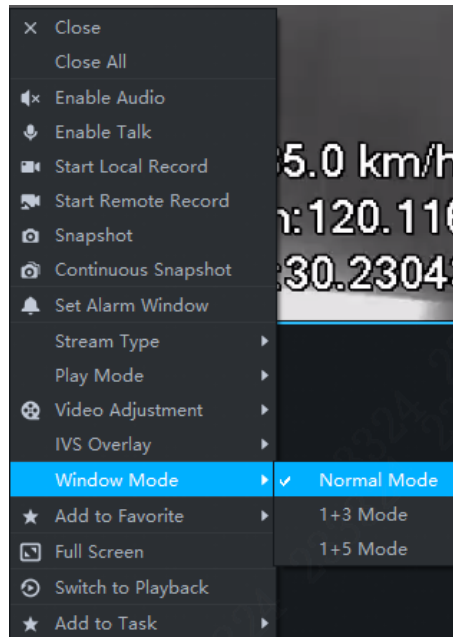
Step 2 Click **OK**.

4.3.4 Region of Interest (ROI)

You can zoom in ROI videos through preview in normal mode, 1+3 mode, and 1+5 mode in the live view window at the client.

Step 1 Right-click to select **Window Mode** in the live view window.

Figure 4-25 Window mode



For example, select **1+3 Mode**.

Figure 4-26 1+3 Mode



4.4 Recording Service

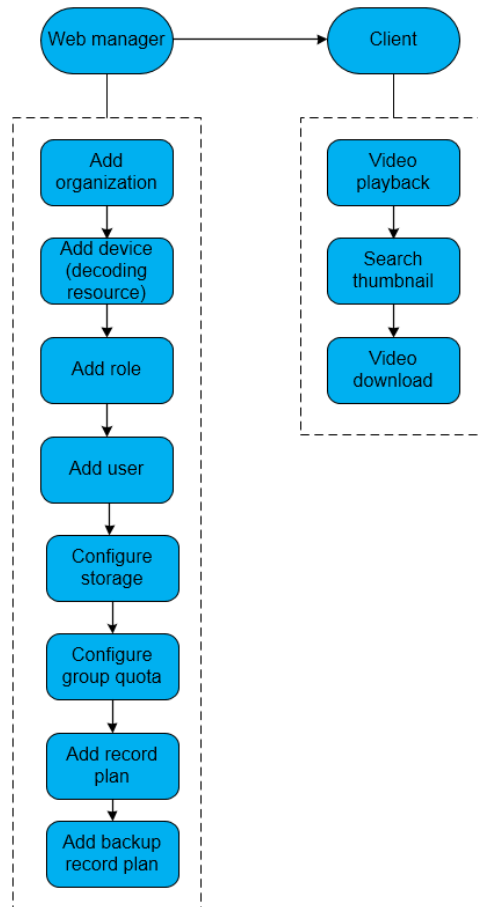
You can search, playback and download recordings of different channels, dates, and types from the device or the server. The date shows a different color when there is a recording.

- Device: Recordings stored in the SD card of cameras or hard disks of DVR and NVR. The storage plan is configured on the device.
- Server: Recordings stored on servers or HDD. Configure the recording plan before playback. In the configured period, the system stores the recording files on the server.

4.4.1 Preparations

The recording plan is configured at the Platform. For procedures, contact the administrator or see "3.7Configuring Record Plan".

Figure 4-27 Recording playback flow chart



4.4.2 Recording in Live View

Open a video in the live view window at the client, right-click the menu to enable the central recording of this channel once the disk for central recording is already configured, and no central storage plan is configured for this channel.

Step 1 On the **Live View** interface, select a channel to view.

Step 2 Right-click the live view window and select **Start Remote Record**.



- Stop remote recording: Right-click the window to select **Stop Remote Record**.
- When a recording of the same time exists in the channel, the recording is overlaid in the live view window.

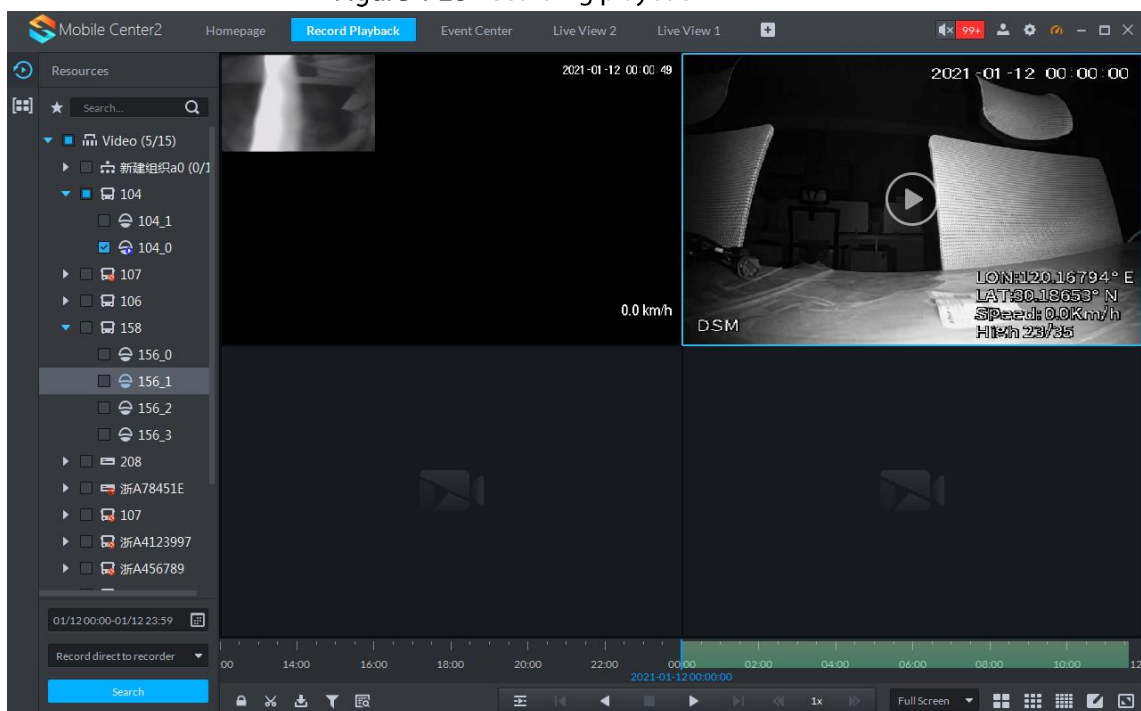
4.4.3 Recording Playback

4.4.3.1 Searching Recordings

You can search recordings of the current day, a specified day or period, including scheduled recordings and alarm recordings.

- Step 1** Click , and select **Record Playback** on the main interface.
- Step 2** Select a channel in the device tree.
- Step 3** Select the date and recording storage location, and then click **Search**.
- Step 4** Select a video window with recordings and click .

Figure 4-28 Recording playback



4.4.3.2 Filtering Recording Type

- Step 1** On the **Record Playback** interface, click  at the lower-left corner.

Figure 4-29 Record Playback

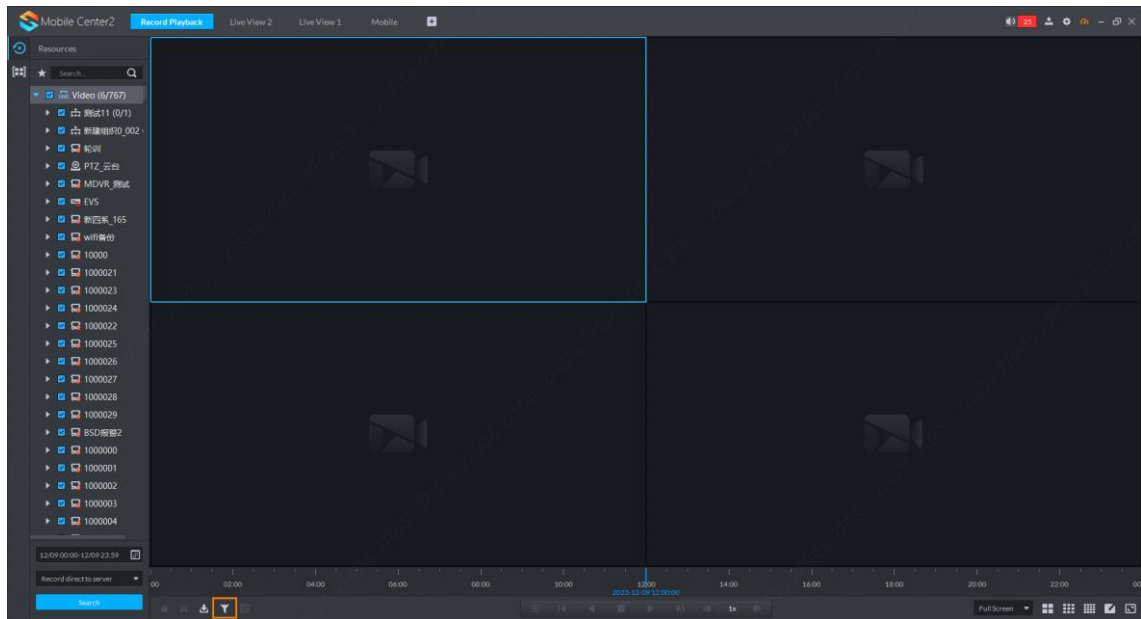
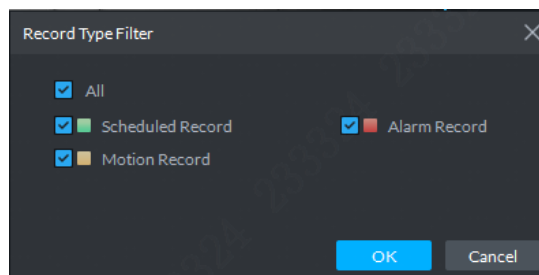


Figure 4-30 Recording filtering



Step 2 Select the record type and click **OK**, and system plays the filtered video.

4.4.3.3 Controlling Record

For the buttons at the bottom of the **Record Playback** interface, see Table 4-15.

Table 4-15 Playback buttons

Icon	Description
	Lock the recording.
	Clip the recording.
	Download the recording.
	Synchronous play in different playback windows.
	Stop or pause recording playback.
	Single-frame play or single-frame playback.
	Fast forward or fast backward by up to 64 times.
	Drag the time progress bar in recording playback to play the recording at corresponding time points.

4.4.3.4 Locking Record

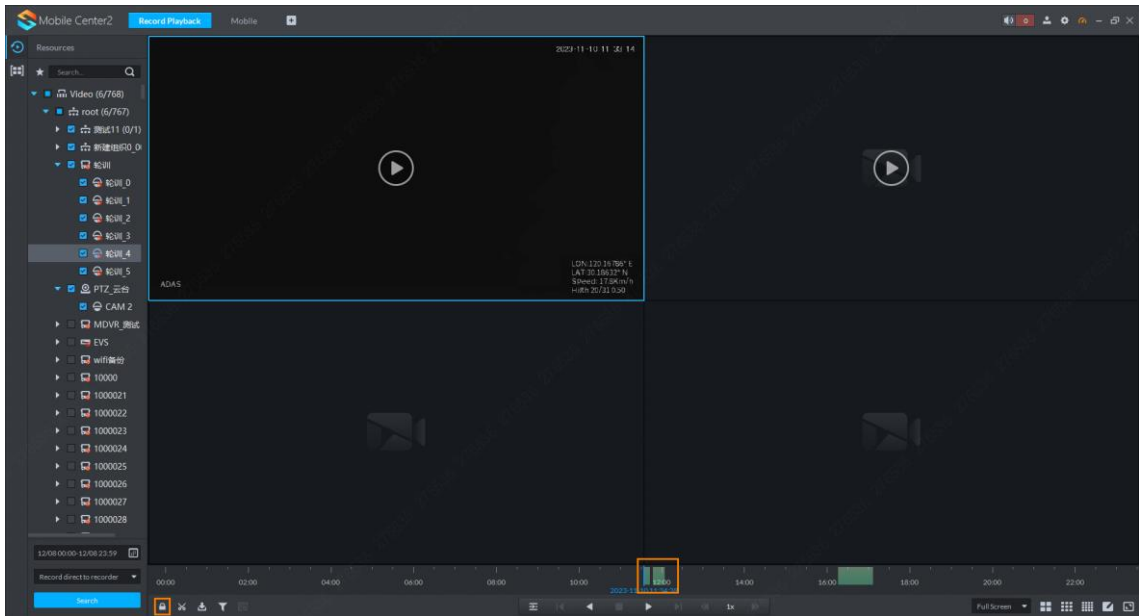


This function only applies to the central record stored in the server.

Step 1 On the **Record Playback** interface, click  at the lower-left corner.

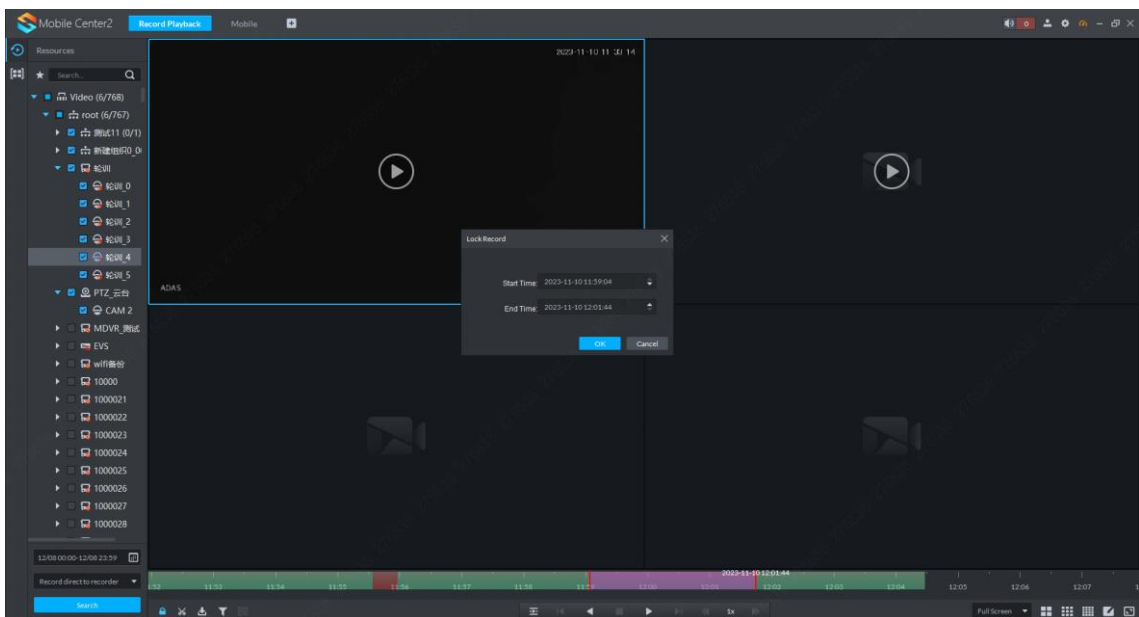
Move the mouse over the time progress bar and select the record clip to be locked.

Figure 4-31 Record Playback



Step 2 Select the **Start Time** of locking on the time progress bar, drag the mouse, and then select the **End Time**.

Figure 4-32 Locking Record



Step 3 Click **OK**.

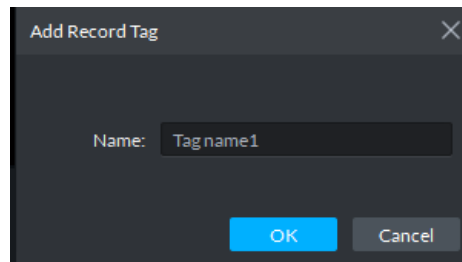
4.4.3.5 Recording tagging

This function allows you to tag your favorite records for subsequent search and positioning.

Step 1 On the **Record Playback** interface, move the mouse over a window where a video is playing.

Click  at the upper-right corner of the window to tag the video.

Figure 4-33 Tag

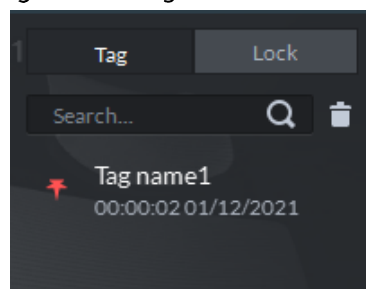


Step 2 Enter the **Name** and then click **OK**. The system prompts "successful".



Move the mouse over the right side of the record playback window, click  to display the tagged and locked records.

Figure 4-34 Tag and lock

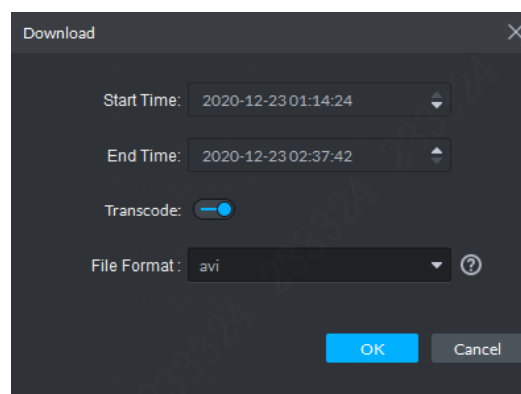


4.4.3.6 Recording Clipping

Step 1 Select a window with recordings and click  at the lower-left corner of the **Record Playback** interface.

Step 2 In the time progress bar, click to select the **Start Time** of record clipping, drag the mouse and click to select the **End Time**.

Figure 4-35 Download the clip



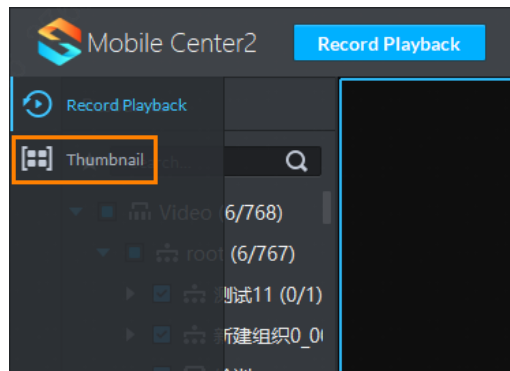
Step 3 Set the **File Format** and click **OK**.

4.4.4 Searching Thumbnail

The system supports searching recording thumbnails of the Platform and device, thus providing a convenient method for searching recordings.

Step 1 On the **Record Playback** interface, click .

Figure 4-36 Thumbnail

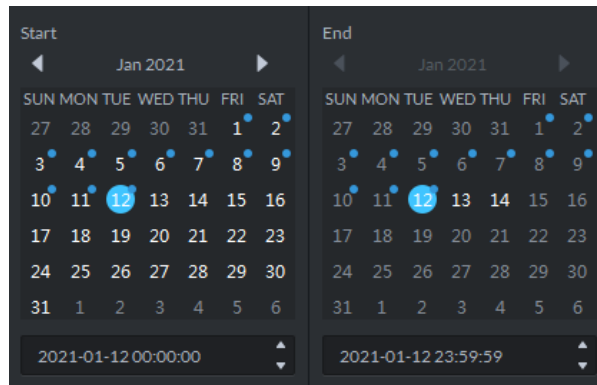


Step 2 Select the video channel, period and location, and then click .



A blue point is displayed at the upper-right corner of a date with the recording in the selected channel.

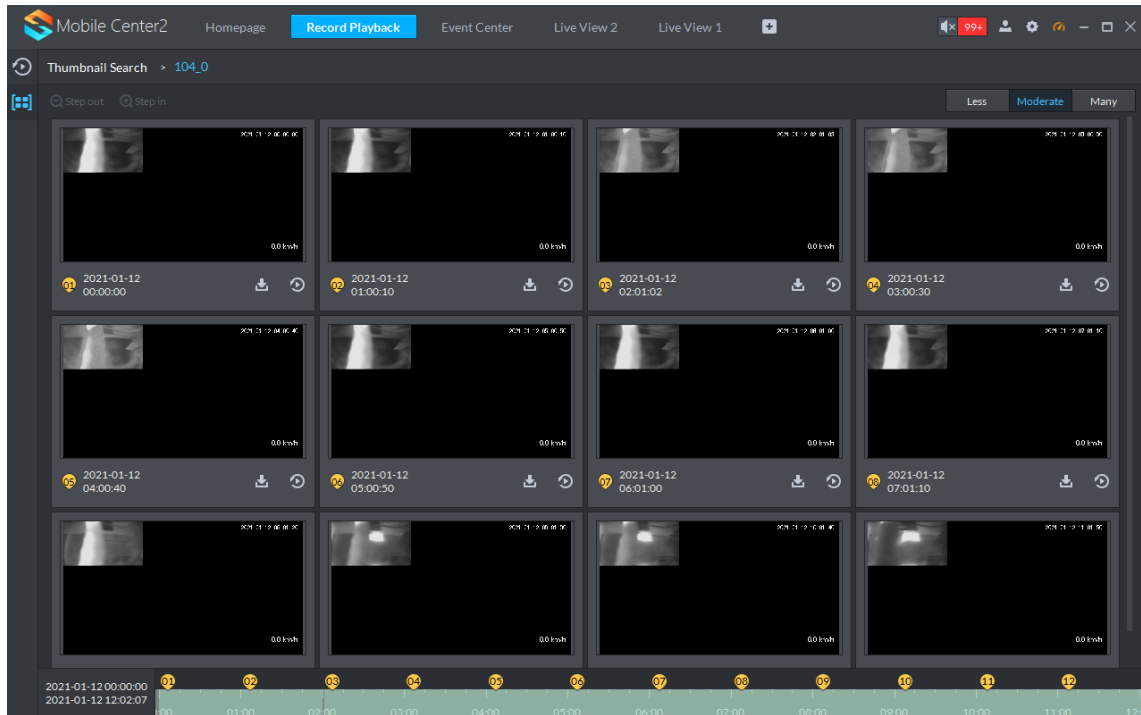
Figure 4-37 Search period



Step 3 To set the region for a thumbnail, adjust the yellow box on the interface and then click



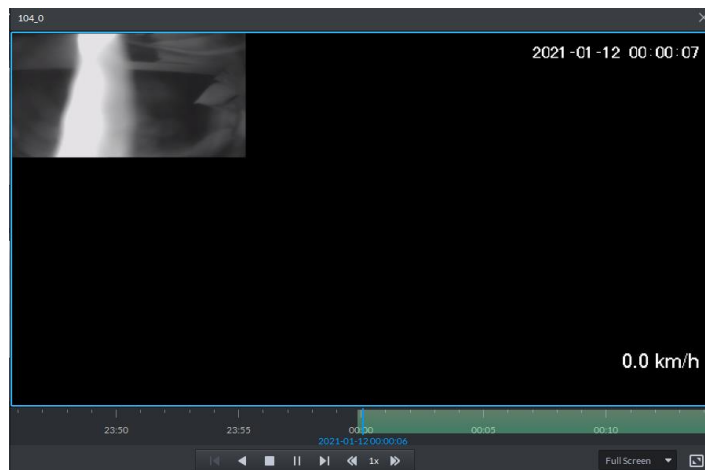
Figure 4-38 Thumbnail search



- The search results are displayed in the **Moderate** mode by default. Click **Less**, **Moderate**, or **Many**, and the search results are displayed accordingly.
- Double-click a thumbnail and the system starts searching again the recording of the period from current thumbnail time to the next thumbnail time.

Step 4 To view associated records of a thumbnail, click  at the lower-right corner of the thumbnail.

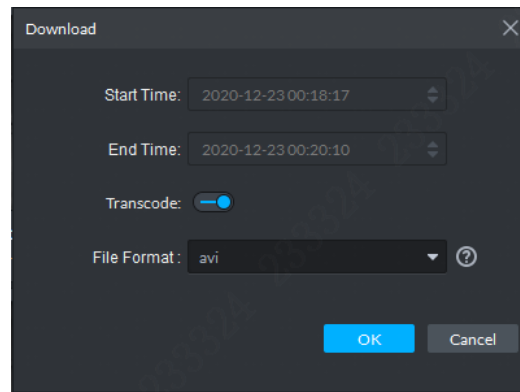
Figure 4-39 Thumbnail playback



Step 5 Download the recording.

- 1) To download the recording of the period from current thumbnail time to the next thumbnail time, click  at the lower-right corner of the thumbnail.

Figure 4-40 Recording download



- 2) Select the **File Format** and click **OK**.

You can view the download details on the **Download Center**. For details, see "4.4.5 Recording download".

4.4.5 Recording download

You can download recordings by **Timeline**, **File**, or **Tag**.

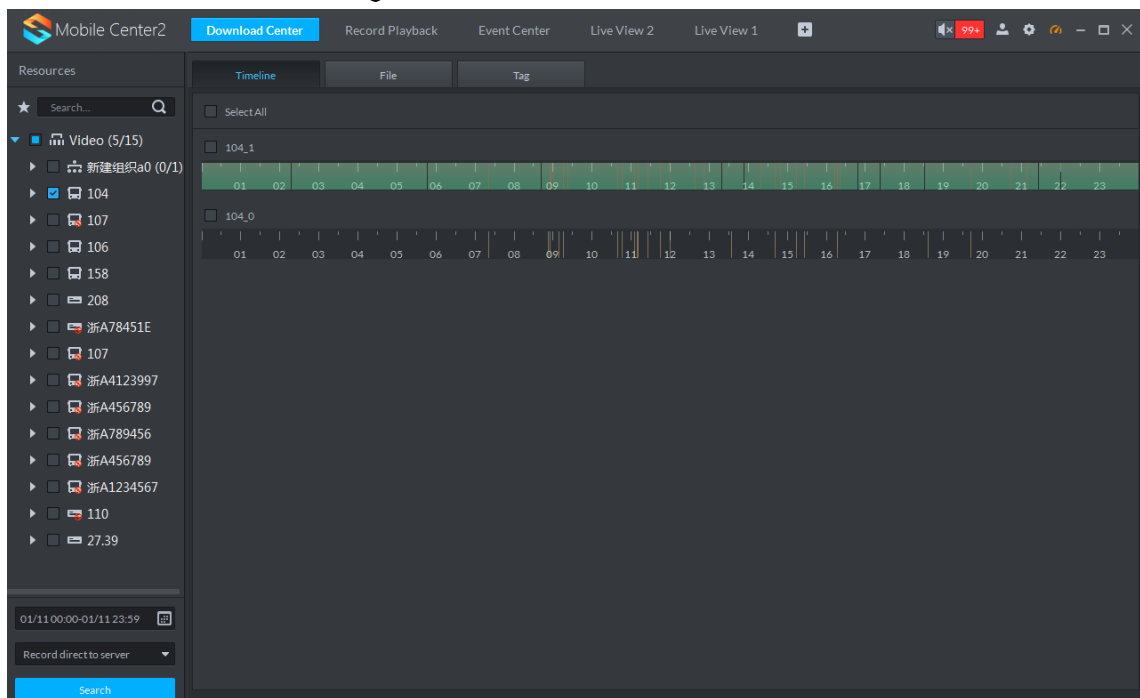
4.4.5.1 Timeline

Step 1 Go to the **Download Center** interface.

You can select one of two methods to go to the **Download Center** interface.

- Click  at the bottom of the **Record Playback** interface.
- Click , and select **Download Center** on the **New Tab** interface.

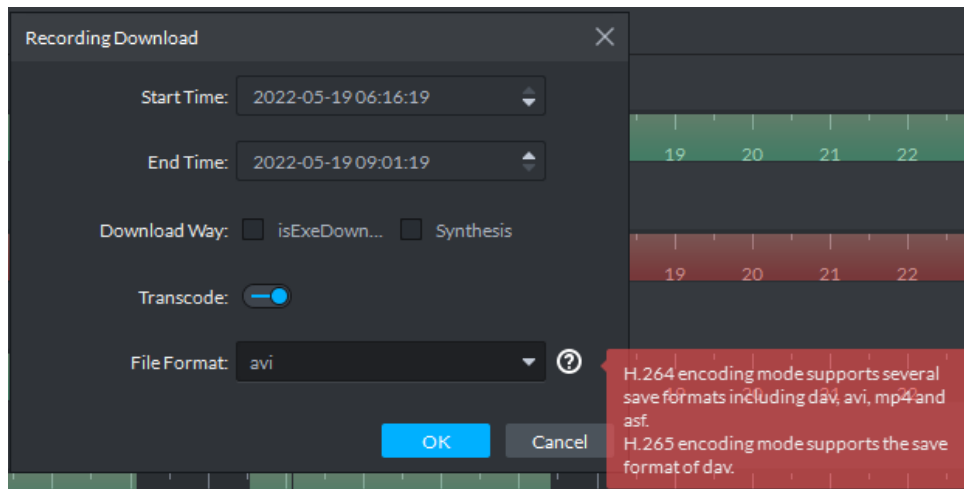
Figure 4-41 Download center



Step 2 Click Timeline.

- Step 3** Select the device channel, set the time period and location of the recording, and then click **Search**.
- Step 4** Select the time period to be downloaded on the timeline, and the **Password Verification** interface is displayed.
- Step 5** Enter the login password and click **OK**.

Figure 4-42 Download by timeline

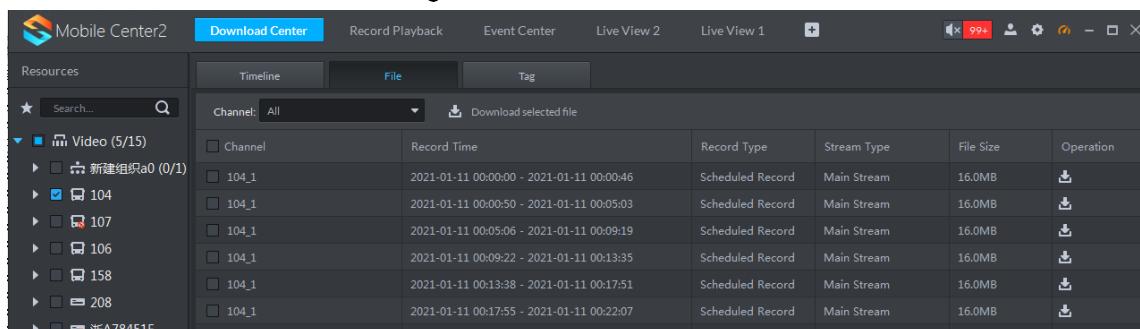


- Step 6** Set the **File Format** and click **OK**. The download progress is displayed below.
- Step 7** After the download is completed, the system pops up a prompt box indicating that the download is complete.

4.4.5.2 File List

- Step 1** On the **Download Center** interface, click **File**.

Figure 4-43 File List

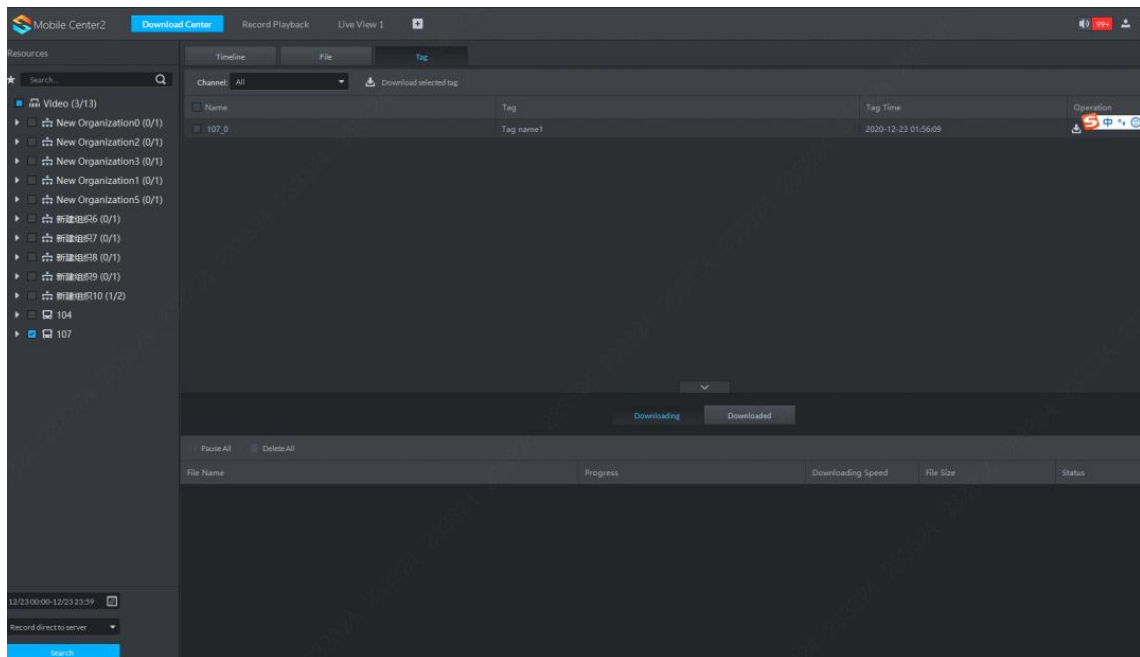


- Step 2** Click  in the record file list, or select multiple files, and then click **Download selected file**. The download progress is displayed at the bottom of the interface. After the download is completed, the system pops up a prompt box indicating that the download is complete.

4.4.5.3 Tag

- Step 1** On the **Download Center** interface, click **Tag**.

Figure 4-44 Tagged files



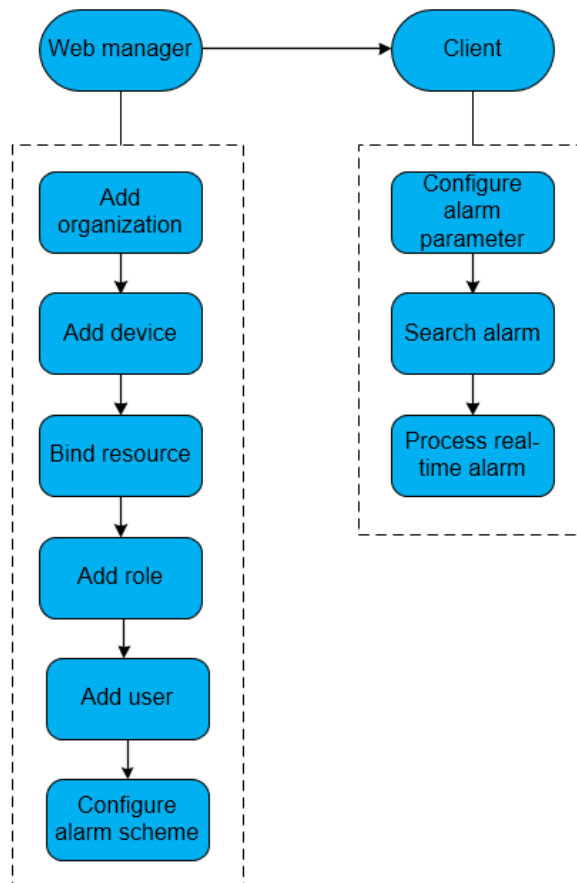
Step 2 Click  in the record file list, or select multiple files, and then click **Download selected tag** to download the tagged videos. The download progress is displayed at the bottom of the interface. After the download is completed, the system pops up a prompt box indicating that the download is complete.

4.5 Alarm Center

4.5.1 Preparations

- Relevant devices have been added at the Platform. For details, see "3.6 Adding Device".
- For event management configuration details, see "3.8 Configuring Event Management".

Figure 4-45 Event Center process



4.5.2 Setting Alarm Parameters

Configure the alarm display modes at the client. For details, see "4.2 Local Configuration".

4.5.3 Processing Alarm



Custom alarms can be modified and deleted.

- If the custom alarm type is used by the alarm scheme, it can only be modified.
- If the custom alarm type is not used by the alarm scheme, it can be deleted. After deletion, the alarm type of alarm input channels is restored to default.
- After the custom alarm type name is modified, the historical data keeps the original name and the new data uses the modified name.

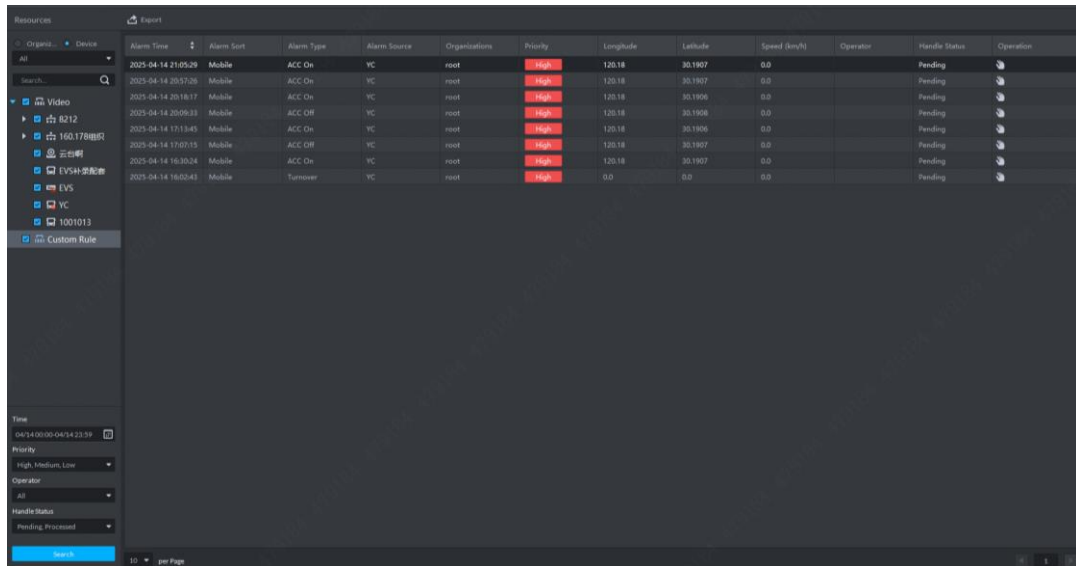
4.5.3.1 Event Center

Event Center includes device alarm, video channel alarm, alarm input channel alarm and mobile alarm.

Procedure

- Step 1** Select  >Alarm Center>Event Center.
- Step 2** Select the alarm type in the search bar on the left, select the **Device**, **Time**, **Priority**, **Operator** and **Handle Status**.
- Step 3** Click **Search**.

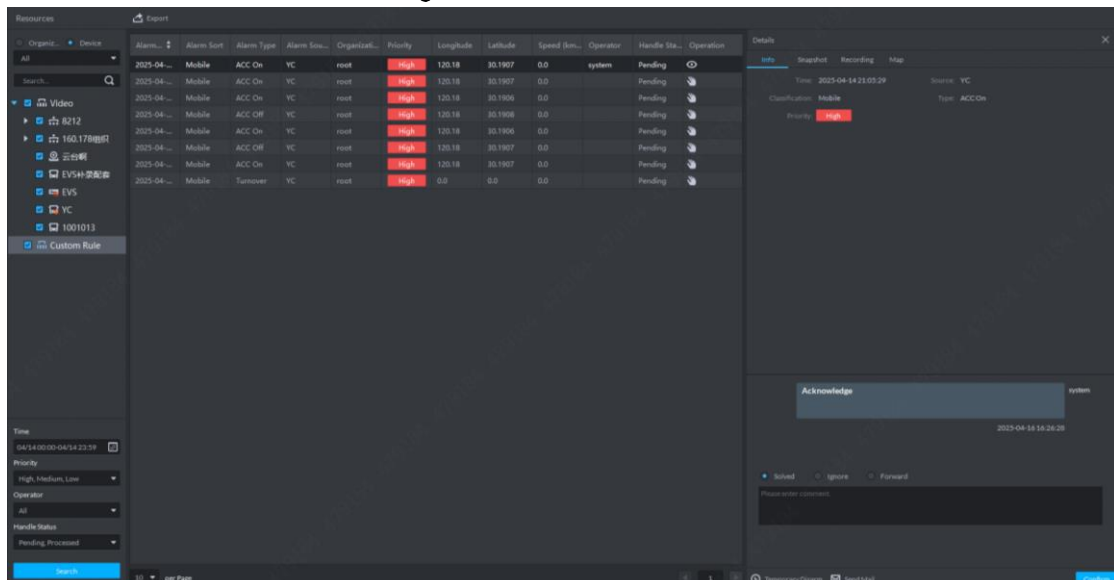
Figure 4-46 Results



Alarm Time	Alarm Sort	Alarm Type	Alarm Source	Organizations	Priority	Longitude	Latitude	Speed (km/h)	Operator	Handle Status	Operation
2025-04-14 21:05:29	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 20:57:26	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 20:18:17	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 20:09:23	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 17:13:45	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 17:07:15	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 16:30:24	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 16:03:43	Mobile	Turnover	YC	root	High	0.0	0.0	0.0		Pending	

- Step 4** Click  of the corresponding alarm, and then the username is displayed in the **Handle User** column.
- Step 5** Double-click  to view alarm details and process alarms.

Figure 4-47 Details



Alarm Time	Alarm Sort	Alarm Type	Alarm Source	Organizations	Priority	Longitude	Latitude	Speed (km/h)	Operator	Handle Status	Operation
2025-04-14 21:05:29	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0	system	Pending	
2025-04-14 20:57:26	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 20:18:17	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 20:09:23	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 17:13:45	Mobile	ACC On	YC	root	High	120.18	30.1906	0.0		Pending	
2025-04-14 17:07:15	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 16:30:24	Mobile	ACC On	YC	root	High	120.18	30.1907	0.0		Pending	
2025-04-14 16:03:43	Mobile	Turnover	YC	root	High	0.0	0.0	0.0		Pending	

- Step 6** Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.
- Step 7** Select the processing method from **Solved**, **Ignore**, or **Forward**, and then enter the comment.



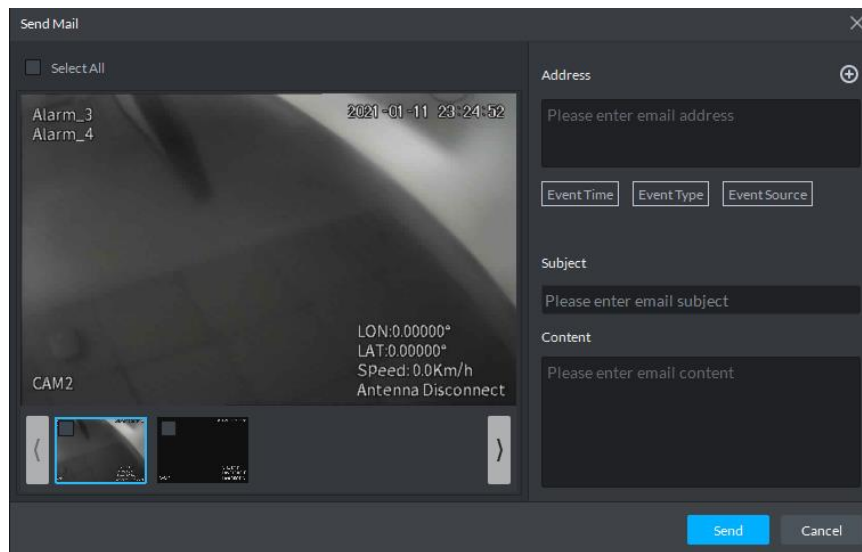
When selecting **Forward**, you can select other users in **Forward to other users** and forward this alarm to a specified user to process it.

Step 8 Click **OK**.

Related Operations

- Temporary Disarm: Click **Temporary Disarm**, set the disarm time on the **Temporary Disarm** interface, and then click **OK**.
- Send Mail: Click **Send Mail**, set the related information on the **Send Mail** interface, and then click **Send**.

Figure 4-48 Sending mail



4.5.3.2 Electric Fence Alarm

When a vehicle violates the fence rules, an alarm is triggered. For the configuration of the electronic fence, please refer to 4.13 Electronic Fence Management.

Procedure

- Step 1** Select  >Alarm Center> Electric Fence Alarm.
- Step 2** Select the alarm type in the search bar on the left, select the Org/Device, Alarm Type, Alarm Start/End Time, Handling Start/End Time and Handle State.
- Step 3** Click Search.

Figure 4-49 Results

Alarm Type :	Export										
All	Alarm Date	Alarm State	Alarm Type	Device Code	Device Na...	Organizati...	Area Name	Max Spee...	Handle State	Handle Time	Handle Me...
Organi...	2025-04-1...	Alarm Occur	Leave Driv...	1006003	8212设备...	root	2		Pending		
Please select organization.	2025-04-1...	Alarm Occur	Enter Driv...	1006003	8212设备...	root	2		Pending		
Alarm Start Time :	2025-04-1...	Alarm Occur	Leave Dep...	1006003	8212设备...	root	1		Pending		
2025-04-01 00:00:00	2025-04-1...	Alarm Occur	Enter Dep...	1006003	8212设备...	root	1		Pending		
Alarm End Time :	2025-04-1...	Alarm Occur	Leave Driv...	1006003	8212设备...	root	2		Pending		
2025-04-16 23:59:59	2025-04-1...	Alarm Occur	Enter Driv...	1006003	8212设备...	root	2		Pending		
Handling Start Time :	2025-04-1...	Alarm Occur	Leave Dep...	1006003	8212设备...	root	1		Pending		
Please select date and ti...	2025-04-1...	Alarm Occur	Enter Dep...	1006003	8212设备...	root	1		Pending		
Handling End Time :	2025-04-1...	Alarm Occur	Leave Driv...	1006003	8212设备...	root	2		Pending		
Please select date and ti...	2025-04-1...	Alarm Occur	Enter Driv...	1006003	8212设备...	root	2		Pending		
Handle State :	2025-04-1...	Alarm Occur	Leave Dep...	1006003	8212设备...	root	1		Pending		
All	2025-04-1...	Alarm Occur	Enter Dep...	1006003	8212设备...	root	1		Pending		
Search	2025-04-1...	Alarm Occur	Leave Driv...	1006003	8212设备...	root	2		Pending		
	2025-04-1...	Alarm Occur	Enter Driv...	1006003	8212设备...	root	2		Pending		
	2025-04-1...	Alarm Occur	Leave Dep...	1006003	8212设备...	root	1		Pending		
	2025-04-1...	Alarm Occur	Enter Dep...	1006003	8212设备...	root	1		Pending		

Step 4 Click  in the right side of the list, enter handle state and handle message.

Figure 4-50 Fence Alarm Deal

Fence Alarm Deal

Handle State :

Processed

Handle Message :

Please enter comment.

OK

Cancel

Step 5 Click **OK**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.3 Active Safety Alarm

When a driver violates active safety rules, an alarm is triggered.

Procedure

Step 1 Select  >Alarm Center> Active Safety Alarm.

Step 2 Select the alarm type in the search bar on the left, select the Org/Device, Alarm Type, Start/End Time, Priority, Driver Name and Handle State.

Step 3 Click **Search**.

Figure 4-51 Results

Alarm Date	Alarm State	Alarm Type	Device Name	Organizations	Driver Name	Priority	Handle State	Longitude	Latitude	Speed (km/h)	Operator	Operation
2025-04-16 16:18:39	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-178	30-1588	31		
2025-04-16 16:19:28	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-179	30-1592	45		
2025-04-16 16:19:39	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-18	30-1613	50		
2025-04-16 16:19:41	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-183	30-1602	53		
2025-04-16 16:17:55	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-183	30-1714	53		
2025-04-16 16:17:45	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-183	30-1728	64		
2025-04-16 16:17:35	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-184	30-1744	61		
2025-04-16 16:17:24	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-184	30-1759	60		
2025-04-16 16:17:14	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-184	30-1774	58		
2025-04-16 16:16:39	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-181	30-1995	61		
2025-04-16 16:14:30	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-181	30-2008	60		
2025-04-16 16:14:26	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-18	30-2012	60		
2025-04-16 16:13:34	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-175	30-2088	71		
2025-04-16 16:09:37	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-159	30-2127	38		
2025-04-16 16:07:49	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-154	30-2103	45		
2025-04-16 16:07:36	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-153	30-2095	44		
2025-04-16 16:07:25	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-152	30-2088	37		
2025-04-16 16:07:19	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-151	30-2085	25		
2025-04-16 16:04:04	Alarm Occur	Unfasten Seat Belt	160-178-主动主驾	160-1780802	qf1	High	Pending	120-144	30-2045	35		
2025-04-16 16:00:24	Alarm Occur	No Driver Warning	160-178-主动主驾	160-1780802	qf1	High	Pending	120-135	30-2006	45		

Step 4 Click in the right side of the list to view alarm details and process alarms.

Figure 4-52 Details

Alarm D.	Alarm S.	Alarm T.	Device	Organiz.	Driver N.	Priority	Handle	Longitude	Latitude	Speed	Operator	Operation
2025-04-16 16:18:39	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-178	30-1588	31		
2025-04-16 16:19:28	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-179	30-1592	45		
2025-04-16 16:19:39	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-18	30-1613	50		
2025-04-16 16:19:41	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-183	30-1602	53		
2025-04-16 16:17:55	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-183	30-1714	53		
2025-04-16 16:17:45	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-183	30-1728	64		
2025-04-16 16:17:35	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-184	30-1744	61		
2025-04-16 16:17:24	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-184	30-1759	60		
2025-04-16 16:17:14	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-184	30-1774	58		
2025-04-16 16:16:39	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-181	30-1995	61		
2025-04-16 16:14:30	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-181	30-2008	60		
2025-04-16 16:14:26	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-18	30-2012	60		
2025-04-16 16:13:34	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-175	30-2088	71		
2025-04-16 16:09:37	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-159	30-2127	38		
2025-04-16 16:07:49	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-154	30-2103	45		
2025-04-16 16:07:36	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-153	30-2095	44		
2025-04-16 16:07:25	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-152	30-2088	37		
2025-04-16 16:07:19	Alarm O.	Unfasten	160-178	160-178	qf1	High	Pending	120-151	30-2085	25		
2025-04-16 16:04:04	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-144	30-2045	35		
2025-04-16 16:00:24	Alarm O.	No Dirv	160-178	160-178	qf1	High	Pending	120-135	30-2006	45		

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **Confirm**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.4 Restricted ANPR Alarm

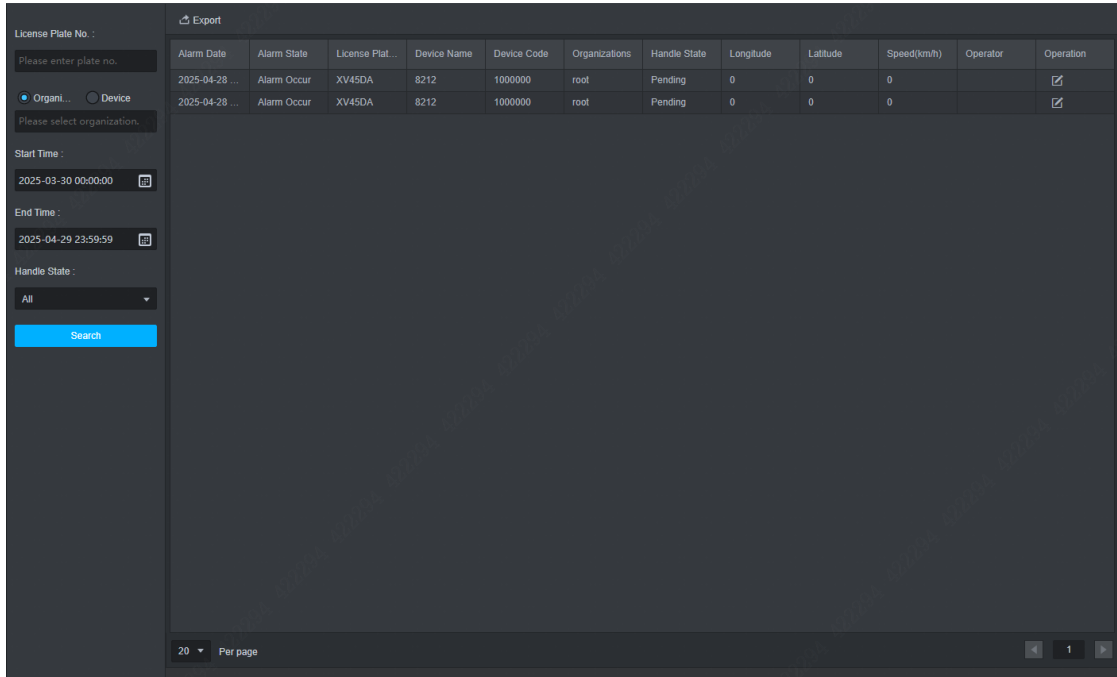
When the device detects the license plates in the license plate database, it triggers an alarm and reports to the platform. Users can view and handle license plate detection alarms on the client side.

Step 1 Select  >Alarm Center> Restricted ANPR Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **License Plate No, Device/Org, Start/End Time**, and **Handle State**.

Step 3 Click **Search**.

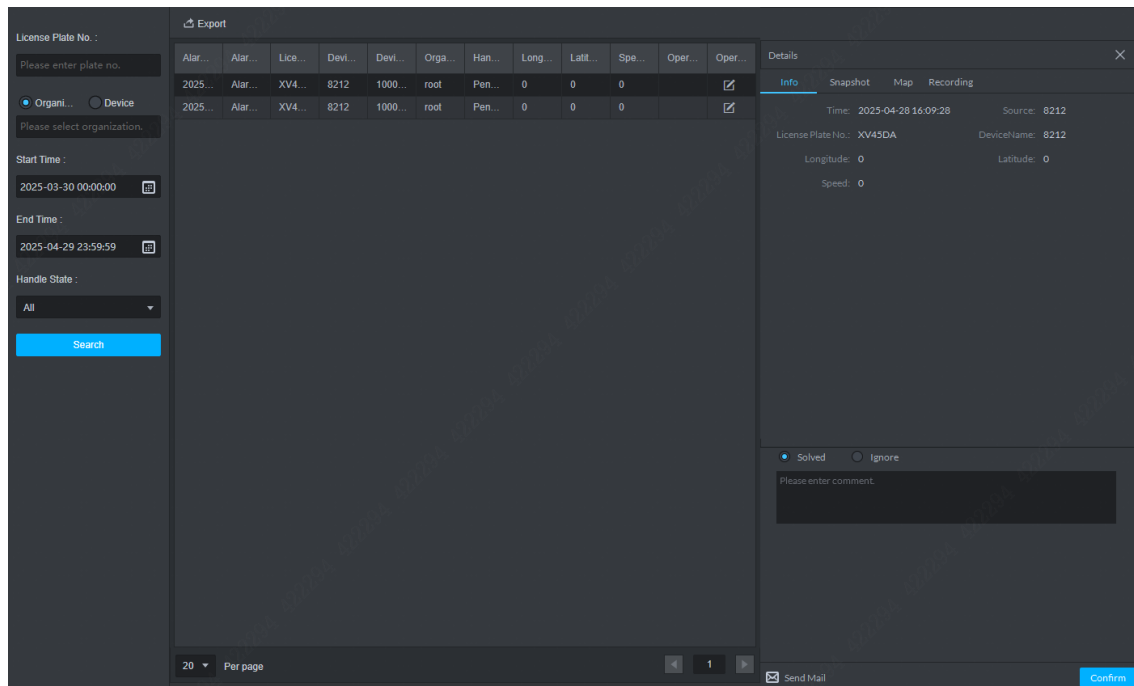
Figure 4-53 Results



Alarm Date	Alarm State	License Plat...	Device Name	Device Code	Organizations	Handle State	Longitude	Latitude	Speed(km/h)	Operator	Operation
2025-04-28 ...	Alarm Occur	XV45DA	8212	1000000	root	Pending	0	0	0		
2025-04-28 ...	Alarm Occur	XV45DA	8212	1000000	root	Pending	0	0	0		

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-54 Details



License Plate No. :
Please enter plate no.

☒ Organ... ☐ Device
Please select organization.

Start Time :
2025-03-30 00:00:00

End Time :
2025-04-29 23:59:59

Handle State :
All

Search

Export

Alar...	Alar...	Lice...	Devi...	Devi...	Orga...	Han...	Long...	Latit...	Spe...	Oper...	Oper...
2025...	Alar...	XV4...	8212	1000...	root	Pen...	0	0	0		
2025...	Alar...	XV4...	8212	1000...	root	Pen...	0	0	0		

Details

Info Snapshot Map Recording

Time: 2025-04-28 16:09:28 Source: 8212

License Plate No.: XV45DA DeviceName: 8212

Longitude: 0 Latitude: 0

Speed: 0

☒ Solved ☐ Ignore

Please enter comment.

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Send Mail Confirm

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **OK**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.5 Restricted Face Alarm

When the device detects a face in the face database, it triggers an alarm and reports to the platform. Users can view and handle face detection alarms on the client side.

Step 1 Select  >Alarm Center> Restricted Face Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Name**, **Job No**, **Org/Device**, **Start/End Time**, **Handle State**.

Step 3 Click **Search**.

Figure 4-55 Results

Name :

Please input name

JobNo :

Please input JobNo.

Organi...

Device

Please select organization.

Start Time :

2025-03-30 00:00:00

End Time :

2025-04-29 23:59:59

Handle State :

All

Search

Export

Alarm Date	Device Name	Device Code	Organizations	Channel No.	Name	JobNo.	Gender	Longitude	Latitude	Handle State	Operation
2025-04-28 ...	8212	1000000	root	2	司机2	002	man	0	0	Pending	
2025-04-28 ...	8212	1000000	root	2	司机1	001	man	0	0	Pending	
2025-04-28 ...	8212	1000000	root	2	司机1	001	man	0	0	Pending	

20

Per page

1

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-56 Details

Name :

Please input name

JobNo :

Please input JobNo.

Organi...

Device

Please select organization.

Start Time :

2025-03-30 00:00:00

End Time :

2025-04-29 23:59:59

Handle State :

All

Search

Export

Alar...	Devi...	Devi...	Orga...	Cha...	Name	JobNo.	Gen...	Long...	Latit...	Han...	Oper...
2025...	8212	1000...	root	2	司机2	002	man	0	0	Pen...	
2025...	8212	1000...	root	2	司机1	001	man	0	0	Pen...	
2025...	8212	1000...	root	2	司机1	001	man	0	0	Pen...	

20

Per page

1

Details

Info

Snapshot

Map

Recording

DeviceName: 8212

DeviceCode: 1000000

ChannelNo.: 2

Name: 司机2

JobNo.: 002

Gender: man

Longitude: 0

Latitude: 0

AlarmTime: 2025-04-28 15:32:03

Solved

Ignore

Please enter comment.

Send Mail

Confirm

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **OK**.

Related Operations

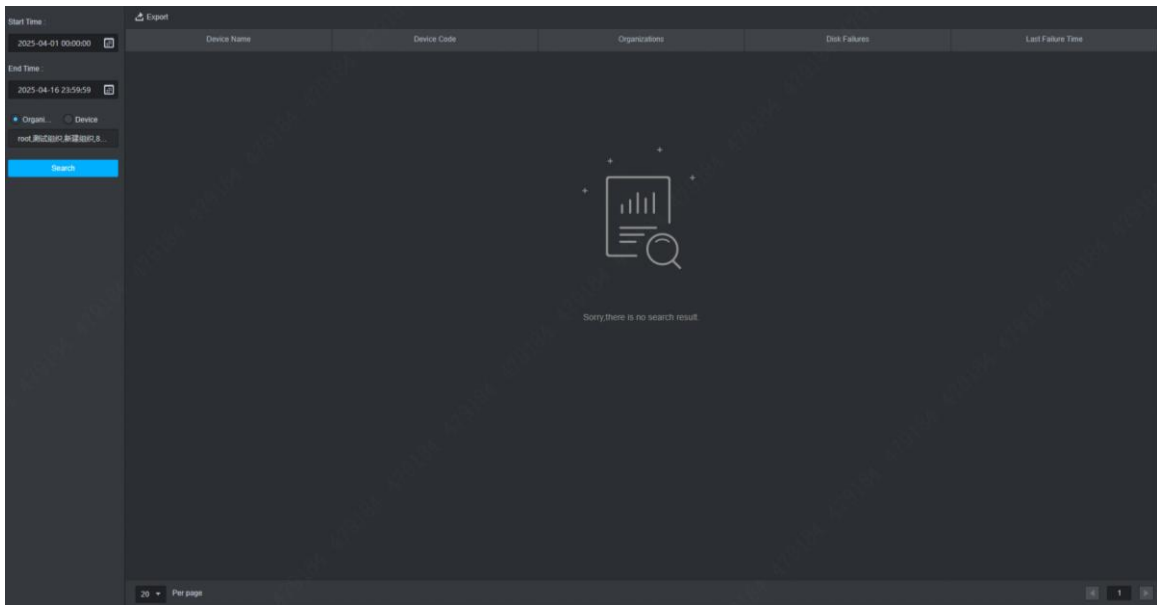
Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.6 Hard Disk Alarm

Search the fault information of the device's hard disk.

- Step 1** Select  >Alarm Center> Hard Disk Alarm.
- Step 2** Select the alarm type in the search bar on the left, select the **Org/Device, Start/End Time**.
- Step 3** Click **Search**.

Figure 4-57 Results



Related Operations

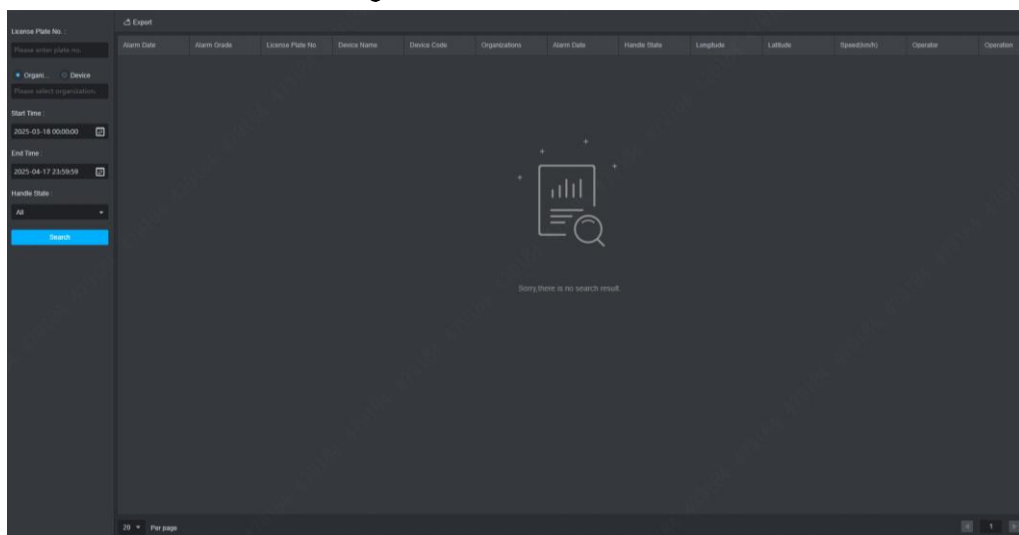
Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.7 BSD Alarm

When a pedestrian/vehicle intrudes into the BSD alarm area, an alarm is triggered.

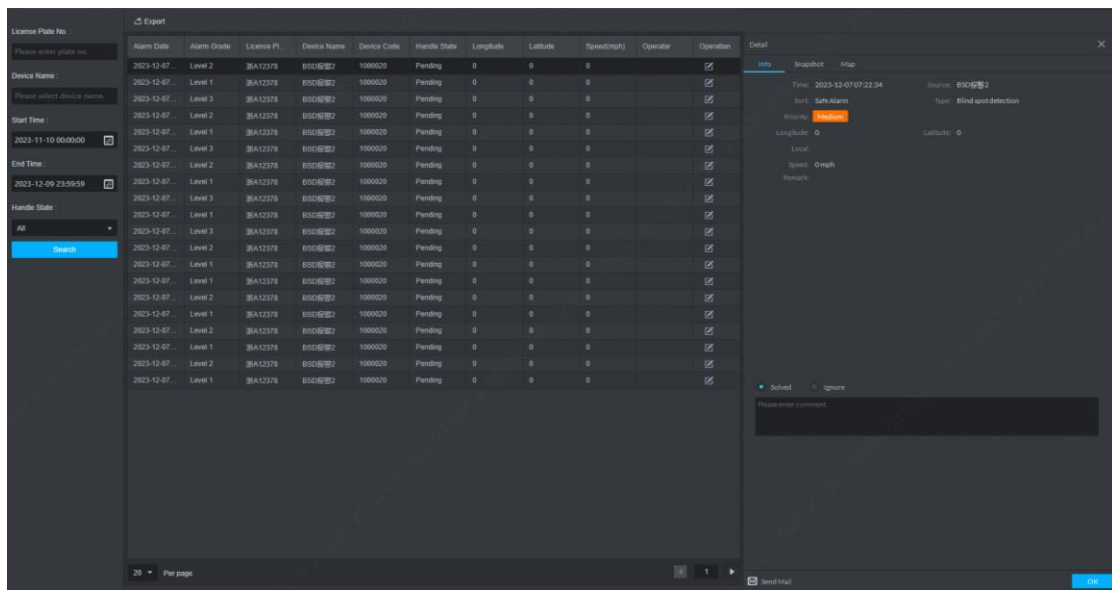
- Step 1** Select  >Alarm Center> BSD Alarm.
- Step 2** Select the alarm type in the search bar on the left, select the **License Plate No, Org/Device, Start/End Time, and Handle State**.
- Step 3** Click **Search**.

Figure 4-58 Results



Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-59 Details



Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **OK**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.8 HOD Alarm

Alarms will be triggered when the driver engages in behaviors such as mobile phone usage, hands-off/one-hand-off steering wheel, or not wearing a seatbelt.

Step 1 Select  >**Alarm Center**> **HOD Alarm**.

Step 2 Select the alarm type in the search bar on the left, select the **Alarm Type**, **Org/Device**, **Start/End Time**, **Handle State** and **Priority**.

Step 3 Click **Search**.

Figure 4-60 Results

Alarm Type	Alarm Date	Priority	Alarm Type	License Plate No.	Device Name	Device Code	Organizations	Handle State	Longitude	Latitude	Speed(mph)	Operator	Operation
	2023-03-03 10:22:34	High	Unfasten Seat Bel...		80/L62H	1000020	real	Pending	120.180553	30.180524	60		

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-61 Details

License Plate No.	Alarm Date	Alarm Grade	License Pl.	Device Name	Device Code	Handle State	Longitude	Latitude	Speed(mph)	Operator	Operation
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 3	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 2	86A12378	8101报警2	1000020	Pending	0	0	0		
	2023-12-07	Level 1	86A12378	8101报警2	1000020	Pending	0	0	0		

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **OK**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.9 Temperature & Humidity Alarm

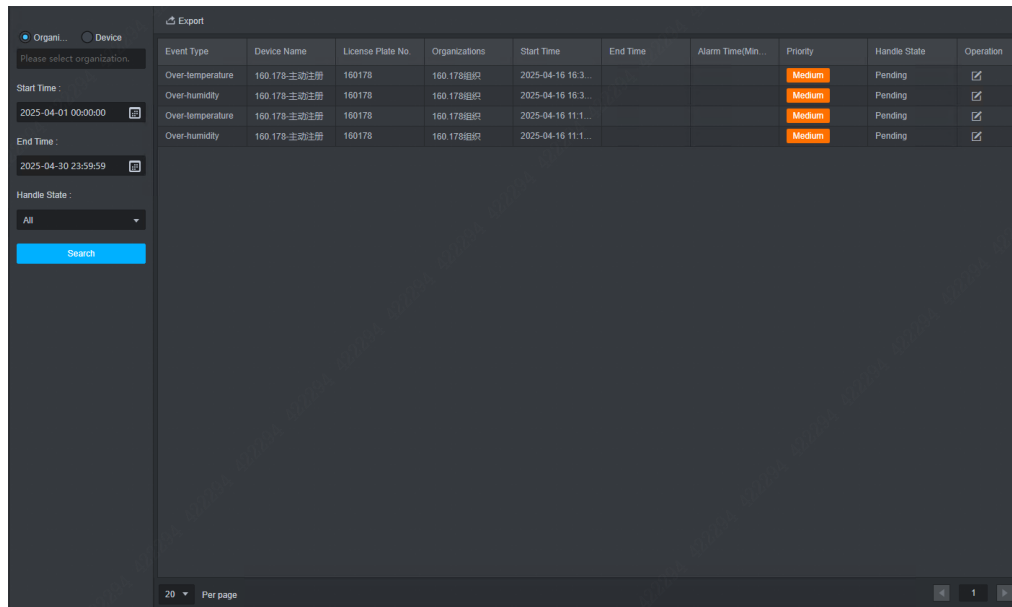
When the temperature and humidity sensor exceeds the threshold, the alarm is triggered.

Step 1 Select  >Alarm Center> Temperature & Humidity Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Org/Device**, **Start/End Time**, and **Handle State**.

Step 3 Click **Search**.

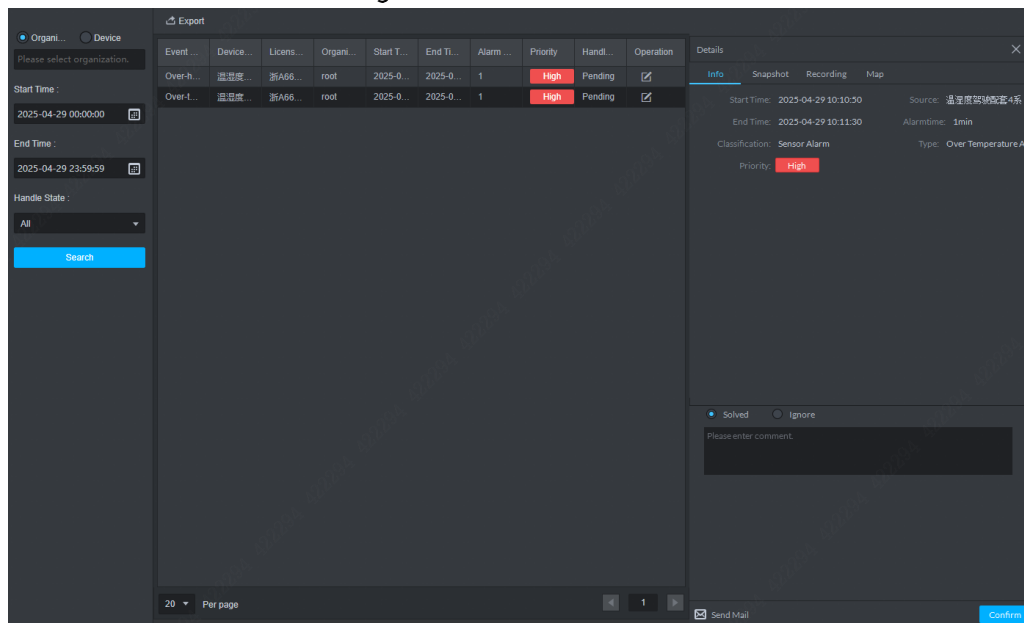
Figure 4-62 Results



Event Type	Device Name	License Plate No.	Organizations	Start Time	End Time	Alarm Time(Min...)	Priority	Handle State	Operation
Over-temperature	160.178-主动注册	160178	160.178组织	2025-04-16 16:3...			Medium	Pending	
Over-humidity	160.178-主动注册	160178	160.178组织	2025-04-16 16:3...			Medium	Pending	
Over-temperature	160.178-主动注册	160178	160.178组织	2025-04-16 11:1...			Medium	Pending	
Over-humidity	160.178-主动注册	160178	160.178组织	2025-04-16 11:1...			Medium	Pending	

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-63 Details



Event ...	Device...	Licens...	Organs...	Start T...	End T...	Alarm ...	Priority	Handl...	Operation
Over-h...	温度度...	浙A66...	root	2025-0...	2025-0...	1	High	Pending	
Over-L...	温度度...	浙A66...	root	2025-0...	2025-0...	1	High	Pending	

Details

Info Snapshot Recording Map

Start Time: 2025-04-29 10:10:30 Source: 温度度报警设备<浙A66>

End Time: 2025-04-29 10:11:30 Alarmtime: 1min

Classification: Sensor Alarm Type: Over Temperature Al

Priority: High

Solved Ignore

Please enter comment.

Send Mail Confirm

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **Confirm**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.10 Oil Alarm

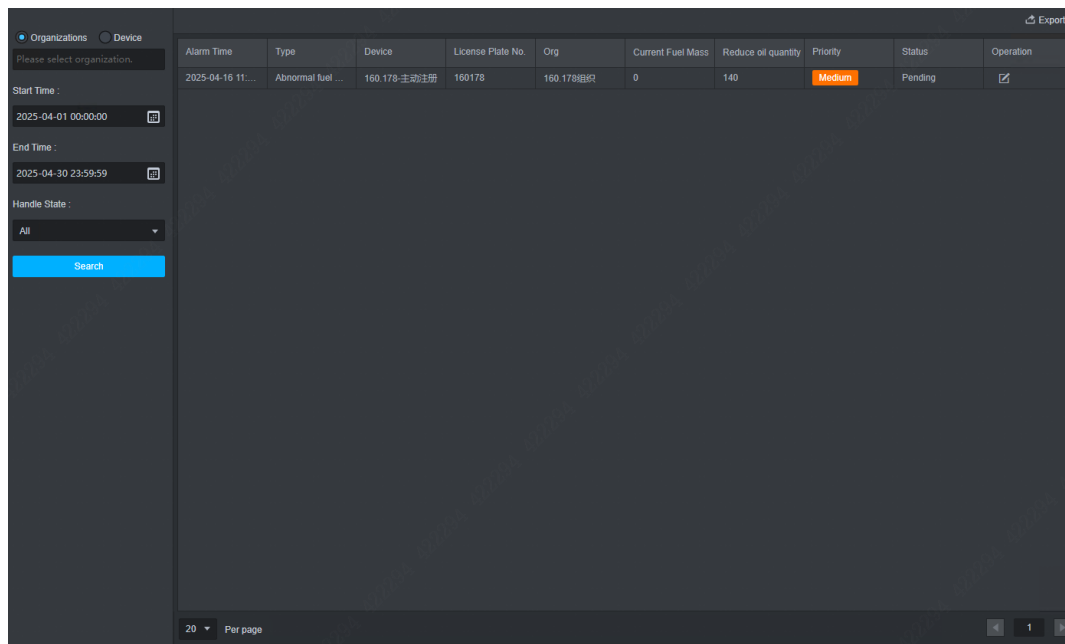
When the amount of oil reduced per unit time exceeds the threshold, the alarm is triggered.

Step 1 Select  >Alarm Center> Oil Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Org/Device, Start/End Time,** and **Handle State**.

Step 3 Click **Search**.

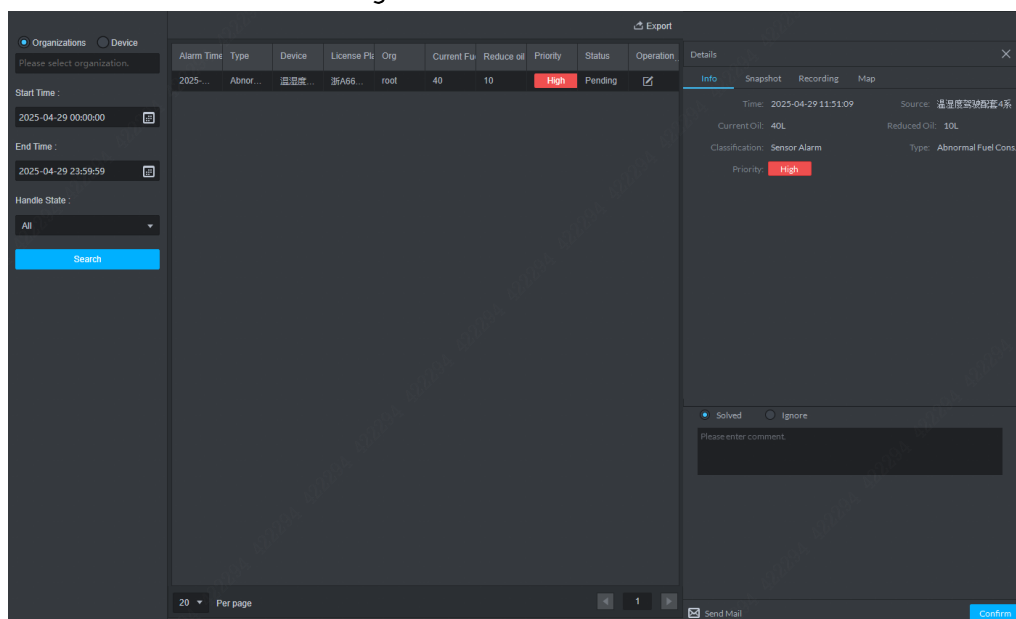
Figure 4-64 Results



Alarm Time	Type	Device	License Plate No.	Org	Current Fuel Mass	Reduce oil quantity	Priority	Status	Operation
2025-04-16 11:00:00	Abnormal fuel ...	160.178-主动注册	160178	160.178组织	0	140	Medium	Pending	[icon]

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-65 Details



Alarm Time	Type	Device	License Pl.	Org	Current Fu	Reduce oil	Priority	Status	Operation
2025-04-29 11:51:09	Abnor...	温度传感器	浙A66...	root	40	10	High	Pending	[icon]

Details
Info | Snapshot | Recording | Map
Time: 2025-04-29 11:51:09 | Source: 温度传感器报警
Current Oil: 40L | Reduced Oil: 10L
Classification: Sensor Alarm | Type: Abnormal Fuel Cons
Priority: High
☒ Solved ☐ Ignore
Please enter comment:

Step 5 Click the tabs **Info, Snapshot, Recording,** and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **Confirm**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.5.3.11 Driving Duration Alarm

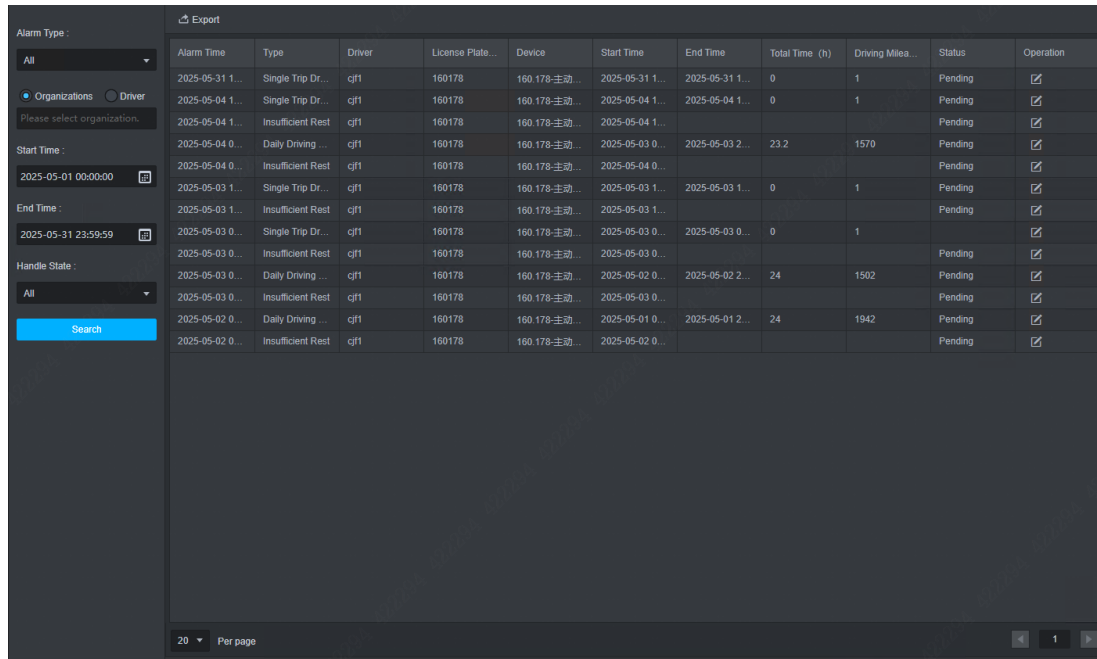
When the threshold is exceeded during a single trip/daily/weekly driving, an alarm will be triggered.

Step 1 Select  >Alarm Center> Oil Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Alarm Type, Org/Device, Start/End Time, and Handle State**.

Step 3 Click **Search**.

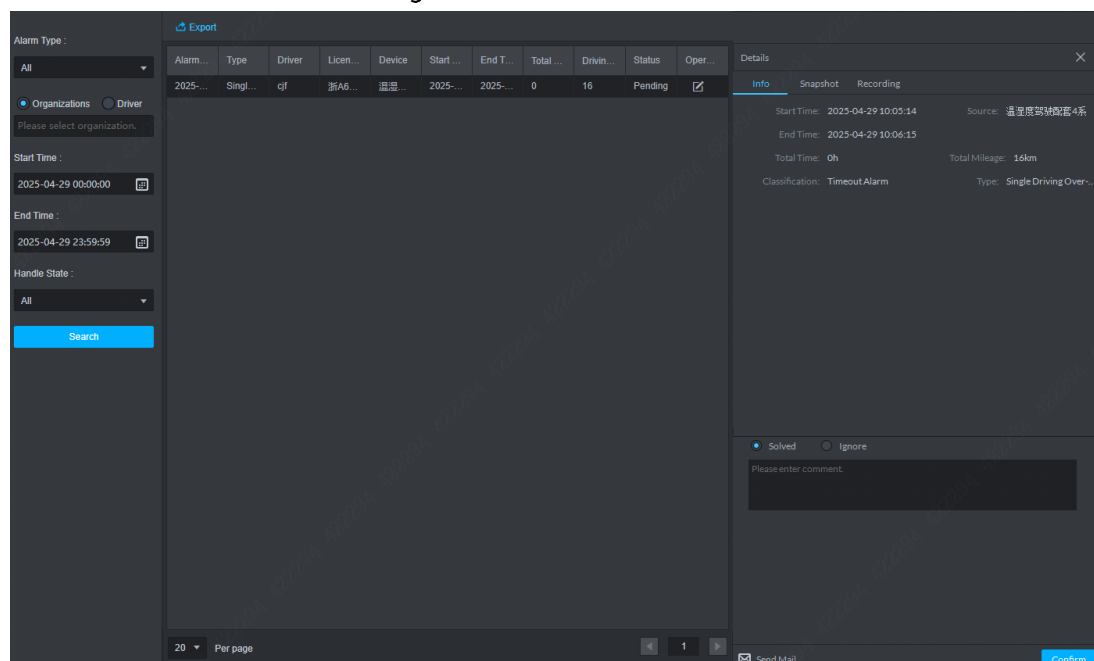
Figure 4-66 Results



Alarm Time	Type	Driver	License Plate	Device	Start Time	End Time	Total Time (h)	Driving Mileage	Status	Operation
2025-05-31 1...	Single Trip Dr...	cf1	160178	160 178-主动	2025-05-31 1...	2025-05-31 1...	0	1	Pending	
2025-05-04 1...	Single Trip Dr...	cf1	160178	160 178-主动	2025-05-04 1...	2025-05-04 1...	0	1	Pending	
2025-05-04 1...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-04 1...	2025-05-04 1...			Pending	
2025-05-04 0...	Daily Driving ...	cf1	160178	160 178-主动	2025-05-03 0...	2025-05-03 2...	23.2	1570	Pending	
2025-05-04 0...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-04 0...	2025-05-04 0...			Pending	
2025-05-03 1...	Single Trip Dr...	cf1	160178	160 178-主动	2025-05-03 1...	2025-05-03 1...	0	1	Pending	
2025-05-03 1...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-03 1...	2025-05-03 1...			Pending	
2025-05-03 0...	Single Trip Dr...	cf1	160178	160 178-主动	2025-05-03 0...	2025-05-03 0...	0	1	Pending	
2025-05-03 0...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-03 0...	2025-05-03 0...			Pending	
2025-05-03 0...	Daily Driving ...	cf1	160178	160 178-主动	2025-05-02 0...	2025-05-02 2...	24	1502	Pending	
2025-05-03 0...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-03 0...	2025-05-03 0...			Pending	
2025-05-02 0...	Daily Driving ...	cf1	160178	160 178-主动	2025-05-01 0...	2025-05-01 2...	24	1942	Pending	
2025-05-02 0...	Insufficient Rest	cf1	160178	160 178-主动	2025-05-02 0...	2025-05-02 0...			Pending	

Step 4 Click  in the right side of the list to view alarm details and process alarms.

Figure 4-67 Details



Alarm Time	Type	Driver	License Plate	Device	Start Time	End Time	Total Time	Driving Mileage	Status	Operation
2025-04-29 10:05:14	Single Trip Driving	cf1	浙A8...	温...	2025-04-29 10:05:14	2025-04-29 10:06:15	0h	16km	Pending	

Details

Info Snapshot Recording

Start Time: 2025-04-29 10:05:14 Source: 温...

End Time: 2025-04-29 10:06:15

Total Time: 0h Total Mileage: 16km

Classification: TimeoutAlarm Type: Single Driving Over...

Solved Ignore

Please enter comment.

Send Mail Confirm

Step 5 Click the tabs **Info, Snapshot, Recording** at the upper-right corner of the interface to view the related information of an alarm.

Step 6 Select the processing method from **Solved** or **Ignore**, click **Confirm**.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6 History Alarm Center

4.6.1 Preparations

- Relevant devices have been added at the Platform. For details, see "3.6 Adding Device".
- For event management configuration details, see "3.8 Configuring Event Management".

4.6.2 Setting Alarm Parameters

Configure the alarm display modes at the client. For details, see "4.2 Local Configuration".

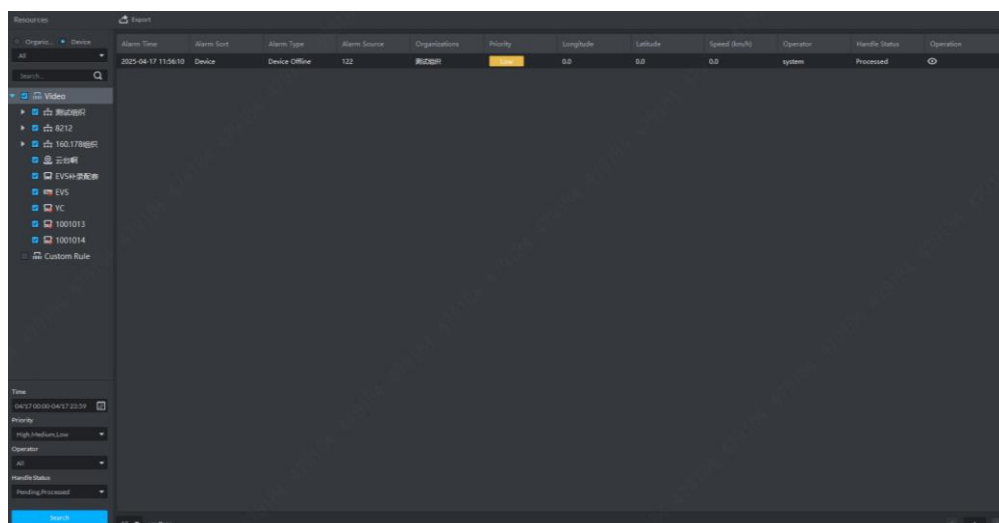
4.6.3 Event Center

Event Center includes Device Alarm, Video Channel Alarm, Alarm Input Channel Alarm and Mobile Alarm.

Procedure

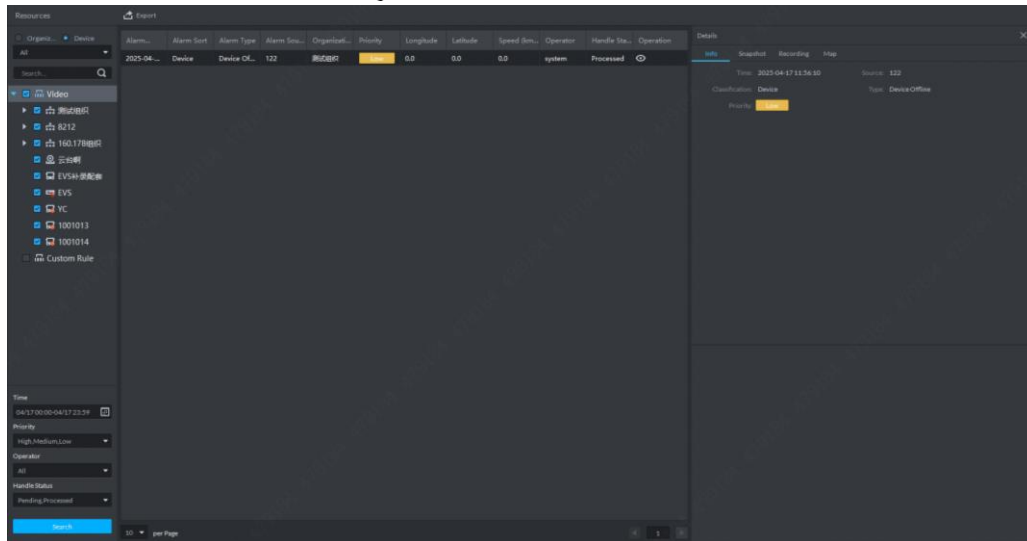
- Step 1 Select  >History Alarm Center>Event Center.
- Step 2 Select the alarm type in the search bar on the left, select the **Org/Device, Time, Priority, Operator** and **Handle Status**.
- Step 3 Click Search.

Figure 4-68 Results



- Step 4 Click  to view alarm details.

Figure 4-69 Details.



Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

4.6.4 Electric Fence Alarm

When a vehicle violates the fence rules, an alarm is triggered. For the configuration of the electronic fence, please refer to 4.13 Electronic Fence Management.

Procedure

- Step 1** Select  >Alarm Center> Electric Fence Alarm.
- Step 2** Select the alarm type in the search bar on the left, select the Org/Device, Alarm Type, Alarm Start/End Time, Handling Start/End Time and Handle Status.
- Step 3** Click **Search**.

Figure 4-70 Results

Alarm Type	Alarm Date	Alarm State	Alarm Type	Device Code	Organizations	Device Name	Area Name	Max Speed(km/h)	Handle State	Handle Time	Handle Message	Operator
All	2025-04-16 18:06:30	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Processed	2025-05-03 17:03:25	11111111	system
Org...	2025-04-16 17:57:53	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Ignore	2025-05-03 17:03:29	22222222222222	system
Device	2025-04-16 17:53:36	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Processed	2025-05-03 17:03:33	1	system
Alarm Start Time	2025-04-16 17:59:59	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Ignore	2025-05-03 17:03:43	3	system
2025-04-06 00:00:00	2025-04-16 17:46:41	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
Alarm End Time	2025-04-16 17:43:14	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
2025-04-17 23:59:59	2025-04-16 17:36:19	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
Handling Start Time	2025-04-16 17:32:52	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
Handling End Time	2025-04-16 17:29:29	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
Handle State	2025-04-16 17:22:39	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
All	2025-04-16 17:19:03	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 17:15:36	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 17:12:08	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 17:08:41	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 17:05:14	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 17:01:46	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 16:58:19	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 16:54:51	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			
	2025-04-16 16:51:24	Alarm Occur	Regional Overspeed	1000013	real	8212设备	路段20	32	Pending			

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

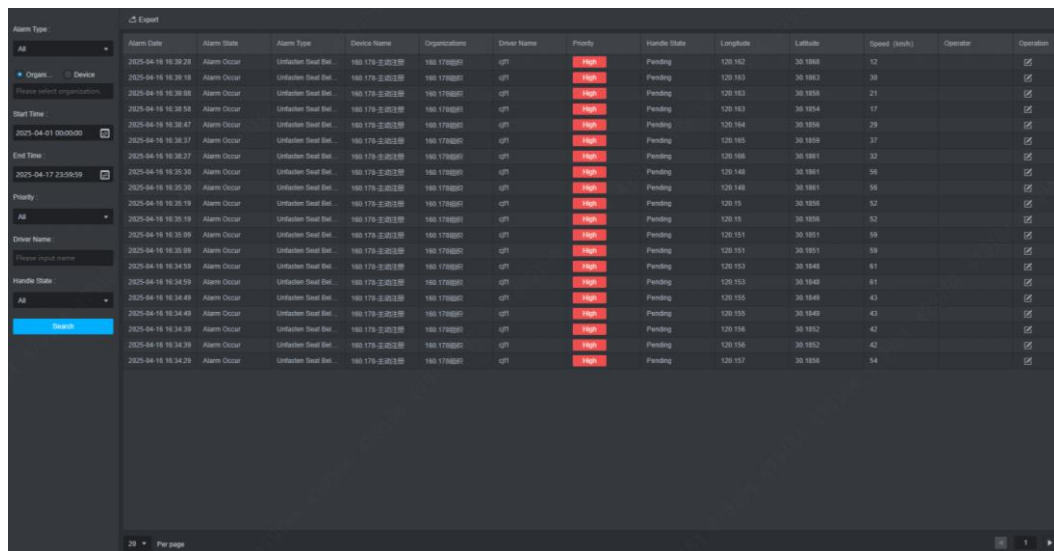
4.6.5 Active Safety Alarm

When a driver violates active safety rules, an alarm is triggered.

Procedure

- Step 1** Select  >History Alarm Center> Active Safety Alarm.
- Step 2** Select the alarm type in the search bar on the left, select the Org/Device, Alarm Type, Start/End Time, Priority, Driver Name and Handle State.
- Step 3** Click **Search**.

Figure 4-71 Results



Alarm Type	Alarm Date	Alarm State	Alarm Type	Device Name	Organization	Driver Name	Priority	Handle State	Longitude	Latitude	Speed (km/h)	Operator	Operation
All	2025-04-16 16:30:28	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.162	30.1666	12		
Orgs	2025-04-16 16:30:18	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.163	30.1663	30		
Device	2025-04-16 16:30:08	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.163	30.1656	21		
Please select organization	2025-04-16 16:30:58	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.163	30.1654	17		
Start Time	2025-04-16 16:30:47	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.164	30.1659	29		
2025-04-01 00:00:00	2025-04-16 16:30:37	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.165	30.1661	33		
End Time	2025-04-16 16:30:27	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.166	30.1661	36		
2025-04-17 23:59:59	2025-04-16 16:30:30	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.148	30.1661	56		
Priority	2025-04-16 16:30:30	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.148	30.1661	56		
All	2025-04-16 16:30:19	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.15	30.1656	52		
Driver Name	2025-04-16 16:30:19	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.15	30.1656	52		
Please input name	2025-04-16 16:30:09	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.151	30.1651	59		
Handle State	2025-04-16 16:30:55	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.151	30.1651	59		
All	2025-04-16 16:34:49	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.153	30.1648	61		
Search	2025-04-16 16:34:49	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.153	30.1648	61		
	2025-04-16 16:34:49	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.155	30.1648	43		
	2025-04-16 16:34:39	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.155	30.1648	43		
	2025-04-16 16:34:39	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.156	30.1652	42		
	2025-04-16 16:34:39	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.156	30.1652	42		
	2025-04-16 16:34:29	Alarm Occur	Undriven Seat Belt	160 179-2-02139	160 1790801	qf1	High	Pending	120.157	30.1656	54		

- Step 4** Click  in the right side of the list to view alarm details.

Figure 4-72 Details

The screenshot displays the Alhwa system's alarm management interface. On the left, there is a sidebar with filters for Alarm Type, Start Time, End Time, Priority, Driver Name, and Handle State. The main area shows a table of alarms with columns: Alarm ID, Alarm S, Alarm T, Device, Organo, Driver N, Priority, Handle, Longitude, Latitude, Speed, Operator, and Operation. A 'Details' panel on the right provides more information about the selected alarm, including Time, Classification, Priority, Longitude, Latitude, and Speed.

Alarm ID	Alarm S	Alarm T	Device	Organo	Driver N	Priority	Handle	Longitude	Latitude	Speed	Operator	Operation
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 162	30 1868	12		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 163	30 1863	30		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 163	30 1856	21		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 163	30 1854	17		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 164	30 1856	29		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 165	30 1859	37		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 166	30 1861	32		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 148	30 1861	56		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 148	30 1861	56		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 15	30 1856	52		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 15	30 1856	52		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 151	30 1851	58		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 151	30 1851	58		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 153	30 1848	61		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 153	30 1848	61		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 155	30 1849	43		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 155	30 1849	43		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 156	30 1852	42		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 156	30 1852	42		
2025-04	Alarm O	Unfalsc	160 178	160 178	qf1	High	Pending	120 157	30 1856	54		

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.6 Restricted ANPR Alarm

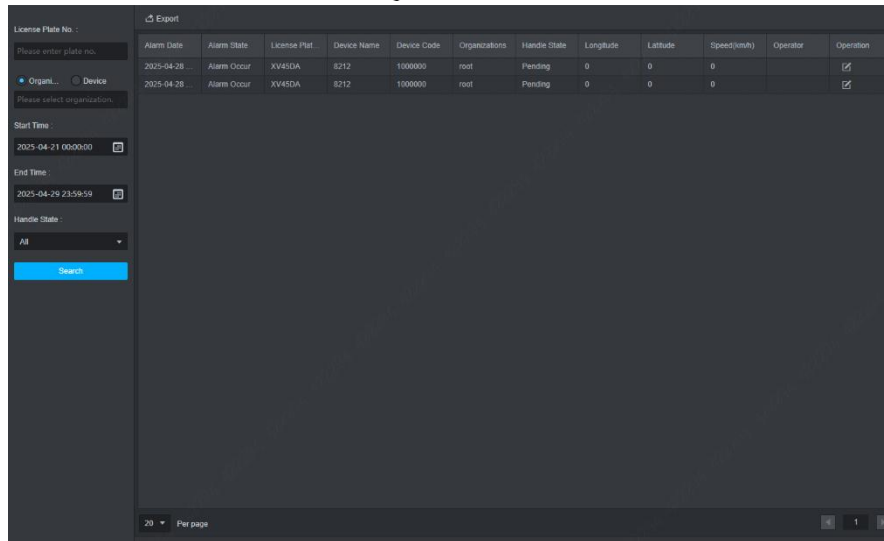
When the device detects the license plates in the license plate database, it triggers an alarm and reports to the platform. Users can view historical license plate detection alarms on the client side.

Step 1 Select  >History Alarm Center> Restricted ANPR Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **license plate No**, **Org/Device**, **Start /End Time** and **Handle State**.

Step 3 Click **Search**.

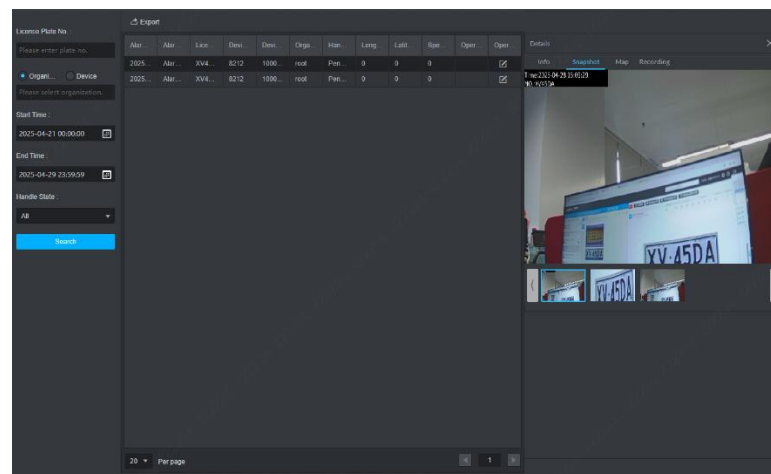
Figure 4-73 Results



Alarm Date	Alarm State	License Plat	Device Name	Device Code	Organizations	Handle State	Longitude	Latitude	Speed(mph)	Operator	Operation
2025-04-28	Alarm Occur	XV45DA	8212	1000000	root	Pending	0	0	0		
2025-04-28	Alarm Occur	XV45DA	8212	1000000	root	Pending	0	0	0		

Step 4 Click  in the right side of the list to view alarm details

Figure 4-74 Detail



Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.7 Restricted Face Alarm

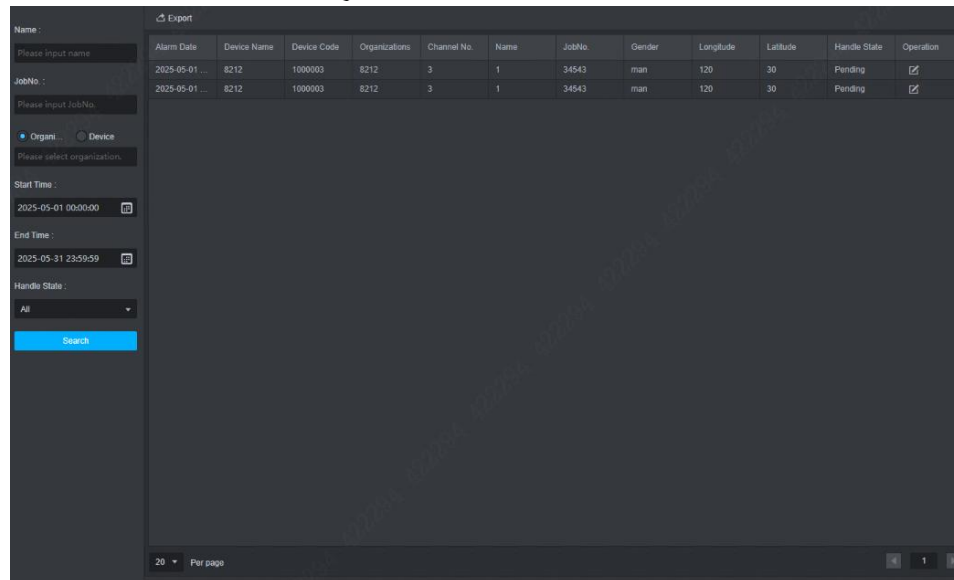
When the device detects a face in the face database, it triggers an alarm and reports to the platform. Users can view historical face detection alarms on the client side.

Step 1 Select  >History Alarm Center> Restricted Face Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Name**, **Job No**, **Org/Device**, **Start/End Time** and **Handle State**.

Step 3 Click **Search**.

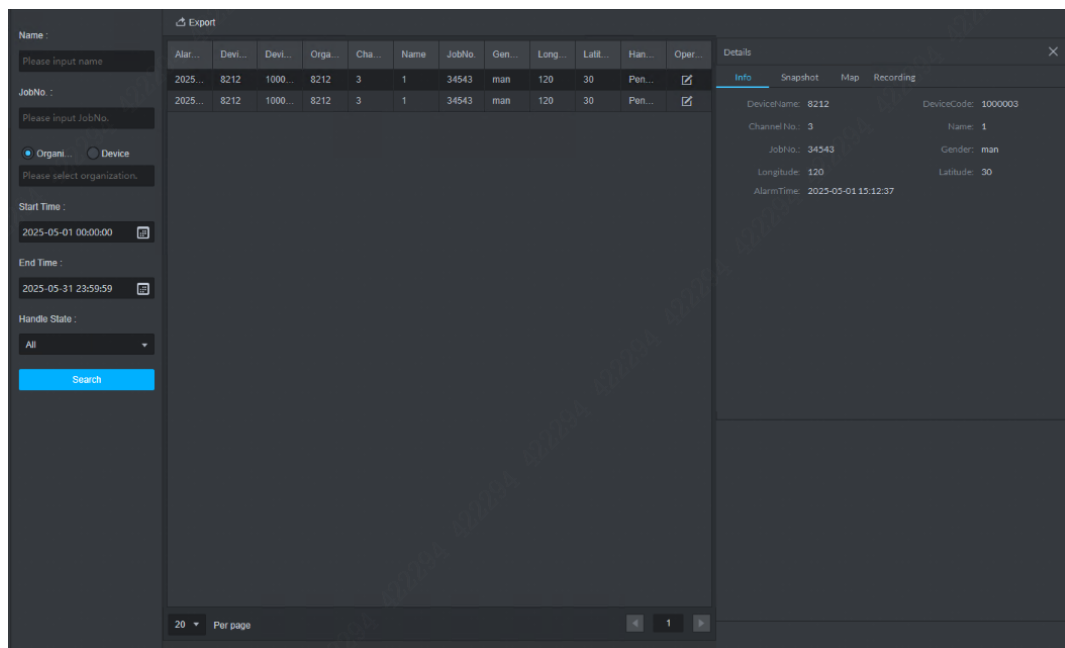
Figure 4-75 Results



Alarm Date	Device Name	Device Code	Organizations	Channel No.	Name	JobNo.	Gender	Longitude	Latitude	Handle State	Operation
2025-05-01	8212	1000003	8212	3	1	34543	man	120	30	Pending	
2025-05-01	8212	1000003	8212	3	1	34543	man	120	30	Pending	

Step 4 Click  in the right side of the list to view alarm details

Figure 4-76 Details



Alarm Date	Device Name	Device Code	Organizations	Channel No.	Name	JobNo.	Gender	Longitude	Latitude	Handle State	Operation
2025-05-01	8212	1000003	8212	3	1	34543	man	120	30	Pending	
2025-05-01	8212	1000003	8212	3	1	34543	man	120	30	Pending	

Details

- Info
- Snapshot
- Map
- Recording

DeviceName: 8212 DeviceCode: 1000003

Channel No.: 3 Name: 1

JobNo.: 34543 Gender: man

Longitude: 120 Latitude: 30

AlarmTime: 2025-05-01 15:12:37

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.8 Hard Disk Alarm

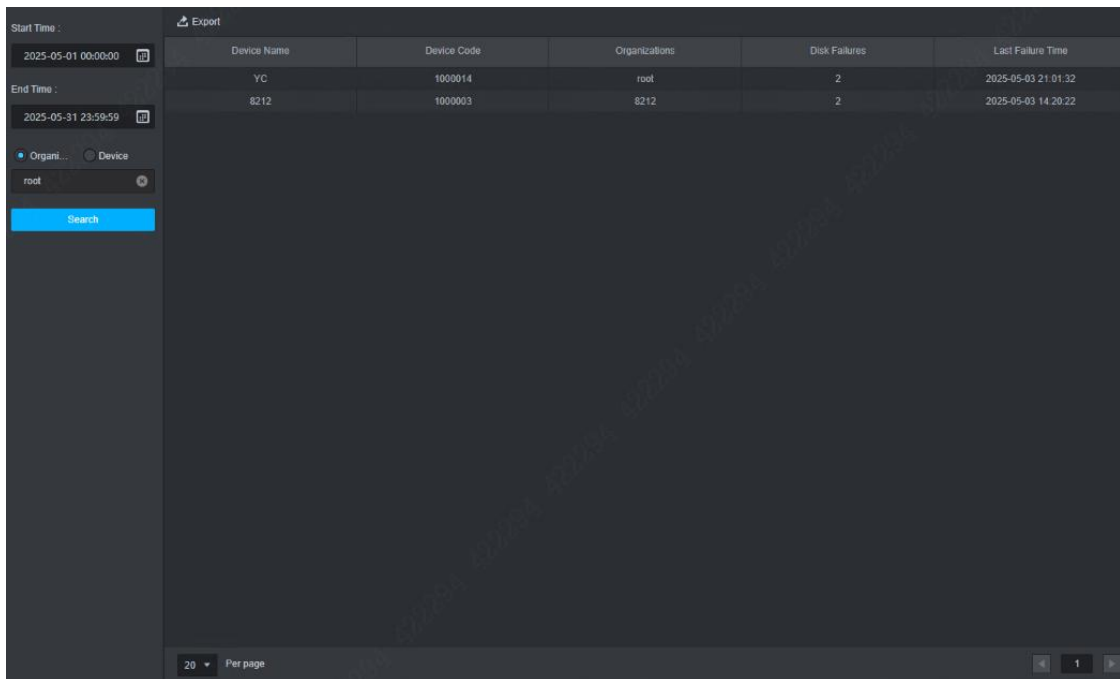
Search the fault information of the device's hard disk.

Step 1 Select  >History Alarm Center> Hard Disk Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Org/Device, Start/End Time**.

Step 3 Click **Search**.

Figure 4-77 Results



Device Name	Device Code	Organizations	Disk Failures	Last Failure Time
YC	1000014	root	2	2025-05-03 21:01:32
8212	1000003	8212	2	2025-05-03 14:20:22

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.9 BSD Alarm

When pedestrians/vehicles invade the BSD alarm area, the alarm is triggered. Users can view historical BSD blind spot alarms on the client side.

Step 1 Select  >History Alarm Center> BSD Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **License Plate No, Org/Device, Start/End Time** and **Handle State**.

Step 3 Click **Search**.

Figure 4-78 BSD Alarm

Alarm Date	Alarm Grade	License Plate No.	Device Name	Device Code	Organizations	Handle State	Longitude	Latitude	Speed(km/h)	Operator	Operation
2025-04-14 17:36:38	Level 1		8212设备	1000013	root	Pending	120.166	30.2247	60		☑
2025-04-14 17:35:33	Level 1		8212设备	1000013	root	Pending	120.171	30.2163	55		☑
2025-04-14 17:34:08	Level 1		8212设备	1000013	root	Pending	120.166	30.2328	50		☑
2025-04-14 17:33:07	Level 1		8212设备	1000013	root	Pending	120.166	30.2242	57		☑
2025-04-14 17:31:46	Level 1		8212设备	1000013	root	Pending	120.167	30.2403	51		☑
2025-04-14 17:30:37	Level 1		8212设备	1000013	root	Pending	120.166	30.2323	49		☑
2025-04-14 17:24:35	Level 1		8212设备	1000013	root	Pending	120.167	30.2383	48		☑
2025-04-14 17:23:34	Level 1		8212设备	1000013	root	Pending	120.165	30.2312	51		☑
2025-04-14 17:22:29	Level 1		8212设备	1000013	root	Pending	120.167	30.222	51		☑
2025-04-14 17:21:04	Level 1		8212设备	1000013	root	Pending	120.167	30.2379	48		☑
2025-04-14 17:19:45	Level 1		8212设备	1000013	root	Pending	120.165	30.2389	58		☑
2025-04-14 17:18:45	Level 1		8212设备	1000013	root	Pending	120.168	30.22	53		☑
2025-04-14 17:17:32	Level 1		8212设备	1000013	root	Pending	120.166	30.2375	48		☑
2025-04-14 17:11:36	Level 1		8212设备	1000013	root	Pending	120.17	30.2172	55		☑
2025-04-14 17:10:28	Level 1		8212设备	1000013	root	Pending	120.166	30.2363	48		☑
2025-04-14 17:08:24	Level 1		8212设备	1000013	root	Pending	120.166	30.2282	54		☑
2025-04-14 17:08:08	Level 1		8212设备	1000013	root	Pending	120.17	30.2168	54		☑
2025-04-14 17:06:06	Level 1		8212设备	1000013	root	Pending	120.166	30.2358	47		☑
2025-04-14 17:05:36	Level 1		8212设备	1000013	root	Pending	120.166	30.2255	63		☑
2025-04-14 17:04:29	Level 1		8212设备	1000013	root	Pending	120.171	30.2161	53		☑

Step 4 Click  in the right side of the list to view alarm details

Figure 4-79 Details

Alarm Date	Alarm Gr.	License P.	Device N.	Device C.	Organizat.	Handle St.	Longitude	Latitude	Speed	Operator	Operation	Details
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2247	60		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.171	30.2163	55		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2328	50		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2242	57		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.167	30.2403	51		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2323	49		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.167	30.2383	48		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.165	30.2312	51		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.167	30.222	51		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.167	30.2379	48		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.165	30.2389	58		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.168	30.22	53		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2375	48		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.17	30.2172	55		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2363	48		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2282	54		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.17	30.2168	54		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2358	47		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.166	30.2255	63		☑	☑
2025-04-14	Level 1		8212设备	1000013	root	Pending	120.171	30.2161	53		☑	☑

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.10 HOD Alarm

The system triggers an alarm when the driver engages in behaviors such as using a mobile phone, hands-off/one-hand-off steering wheel, or not wearing a seatbelt.

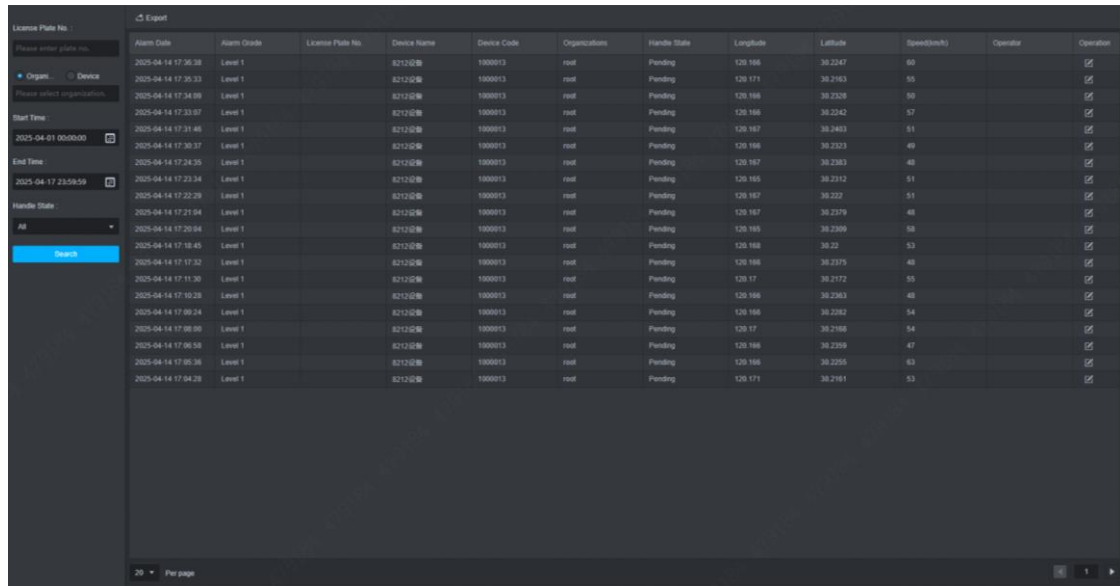
Users can view historical HOD alarms on the client side.

Step 1 Select  > History Alarm Center > HOD Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Alarm Type, Org/Device, Start/End Time, Priority** and **Handle State**.

Step 3 Click **Search**.

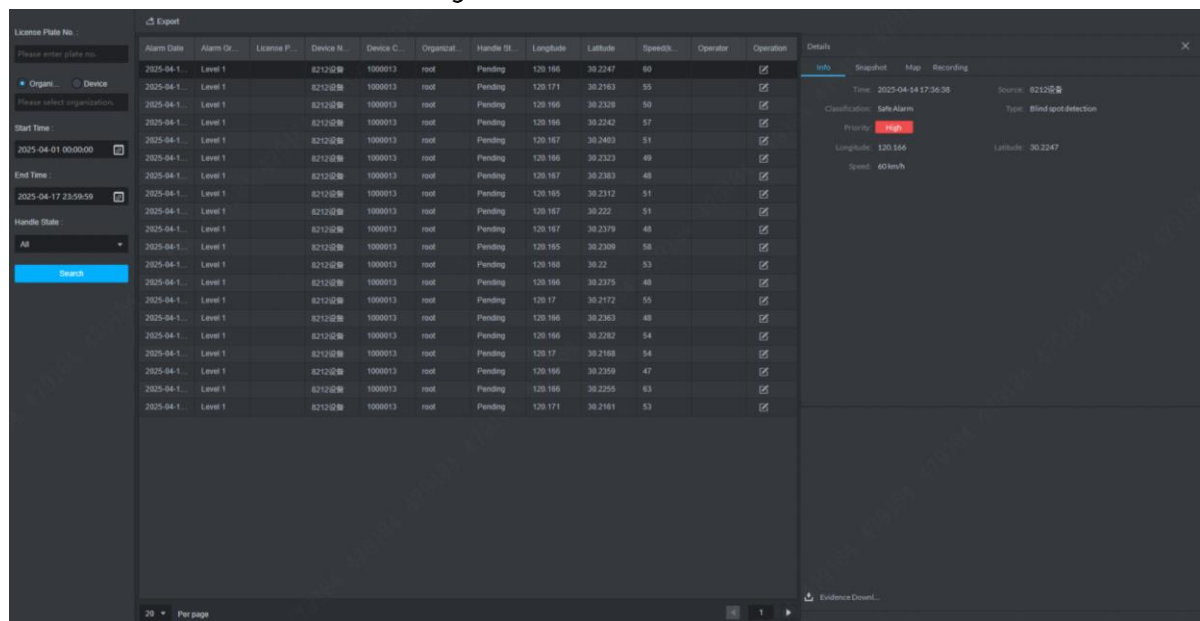
Figure 4-80 HOD Alarm



Alarm Date	Alarm Grade	License Plate No.	Device Name	Device Code	Organizations	Handle State	Longitude	Latitude	Speed(km/h)	Operator	Operation
2025-04-14 17:36:38	Level 1		821202	1000013	root	Pending	120.166	30.2247	60		
2025-04-14 17:35:33	Level 1		821202	1000013	root	Pending	120.171	30.2163	55		
2025-04-14 17:34:38	Level 1		821202	1000013	root	Pending	120.166	30.2328	50		
2025-04-14 17:33:57	Level 1		821202	1000013	root	Pending	120.166	30.2242	57		
2025-04-14 17:31:46	Level 1		821202	1000013	root	Pending	120.167	30.2403	51		
2025-04-14 17:30:37	Level 1		821202	1000013	root	Pending	120.166	30.2323	49		
2025-04-14 17:24:35	Level 1		821202	1000013	root	Pending	120.167	30.2363	48		
2025-04-14 17:23:34	Level 1		821202	1000013	root	Pending	120.165	30.2312	51		
2025-04-14 17:22:29	Level 1		821202	1000013	root	Pending	120.167	30.2222	51		
2025-04-14 17:20:04	Level 1		821202	1000013	root	Pending	120.167	30.2379	48		
2025-04-14 17:20:04	Level 1		821202	1000013	root	Pending	120.165	30.2309	58		
2025-04-14 17:18:45	Level 1		821202	1000013	root	Pending	120.168	30.22	53		
2025-04-14 17:17:32	Level 1		821202	1000013	root	Pending	120.166	30.2375	48		
2025-04-14 17:11:30	Level 1		821202	1000013	root	Pending	120.17	30.2172	55		
2025-04-14 17:10:28	Level 1		821202	1000013	root	Pending	120.166	30.2363	48		
2025-04-14 17:09:34	Level 1		821202	1000013	root	Pending	120.166	30.2282	54		
2025-04-14 17:08:50	Level 1		821202	1000013	root	Pending	120.17	30.2168	54		
2025-04-14 17:06:50	Level 1		821202	1000013	root	Pending	120.166	30.2259	47		
2025-04-14 17:05:36	Level 1		821202	1000013	root	Pending	120.166	30.2255	63		
2025-04-14 17:04:28	Level 1		821202	1000013	root	Pending	120.171	30.2161	53		

Step 4 Click  in the right side of the list to view the details

Figure 4-81 Details



Alarm Date	Alarm Gr.	License P.	Device N.	Device C.	Organizat.	Handle St.	Longitude	Latitude	Speed	Operator	Operation
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2247	60		
2025-04-14	Level 1		821202	1000013	root	Pending	120.171	30.2163	55		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2328	50		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2242	57		
2025-04-14	Level 1		821202	1000013	root	Pending	120.167	30.2403	51		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2323	49		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2312	51		
2025-04-14	Level 1		821202	1000013	root	Pending	120.167	30.2222	51		
2025-04-14	Level 1		821202	1000013	root	Pending	120.167	30.2379	48		
2025-04-14	Level 1		821202	1000013	root	Pending	120.165	30.2309	58		
2025-04-14	Level 1		821202	1000013	root	Pending	120.168	30.22	53		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2375	48		
2025-04-14	Level 1		821202	1000013	root	Pending	120.17	30.2172	55		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2363	48		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2282	54		
2025-04-14	Level 1		821202	1000013	root	Pending	120.17	30.2168	54		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2259	47		
2025-04-14	Level 1		821202	1000013	root	Pending	120.166	30.2255	63		
2025-04-14	Level 1		821202	1000013	root	Pending	120.171	30.2161	53		

Details

Info | Snapshot | Map | Recording

Time: 2025-04-14 17:36:38

Classification: Safe Alarm

Priority: **High**

Longitude: 120.166

Latitude: 30.2247

Speed: 60 km/h

Type: Blind spot detection

Evidence Download...

Step 5 Click the tabs **Info, Snapshot, Recording, and Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.6.11 Temperature & Humidity Alarm

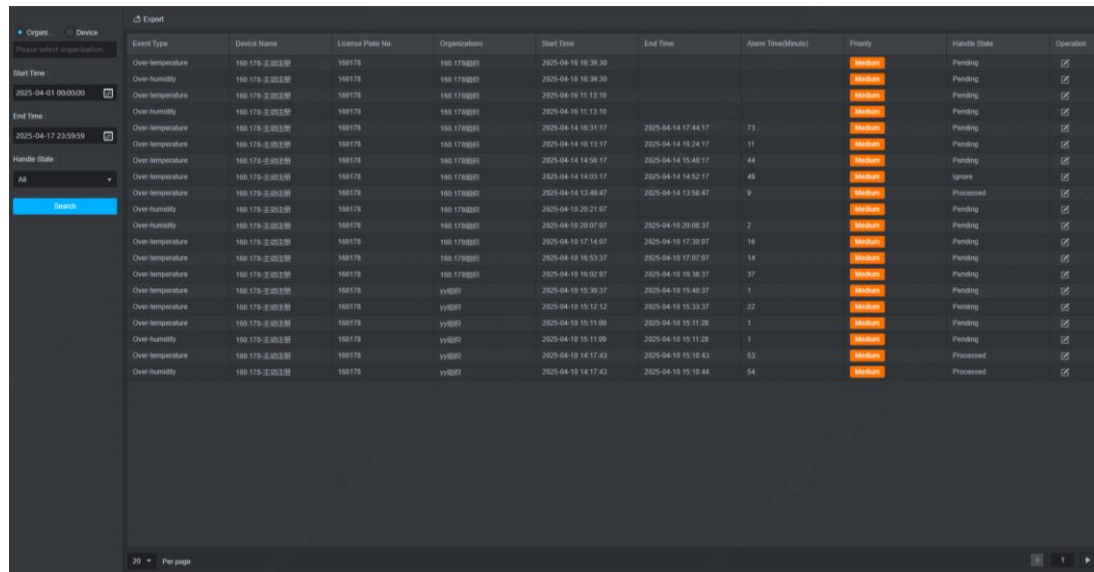
When the value of the temperature and humidity sensor exceeds the threshold, an alarm is triggered. Users can view historical temperature and humidity alarms on the client side.

Step 1 Select  >History Alarm Center> Temperature & Humidity Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Org/ Device, Start/End Time** and **Handle State**.

Step 3 Click **Search**.

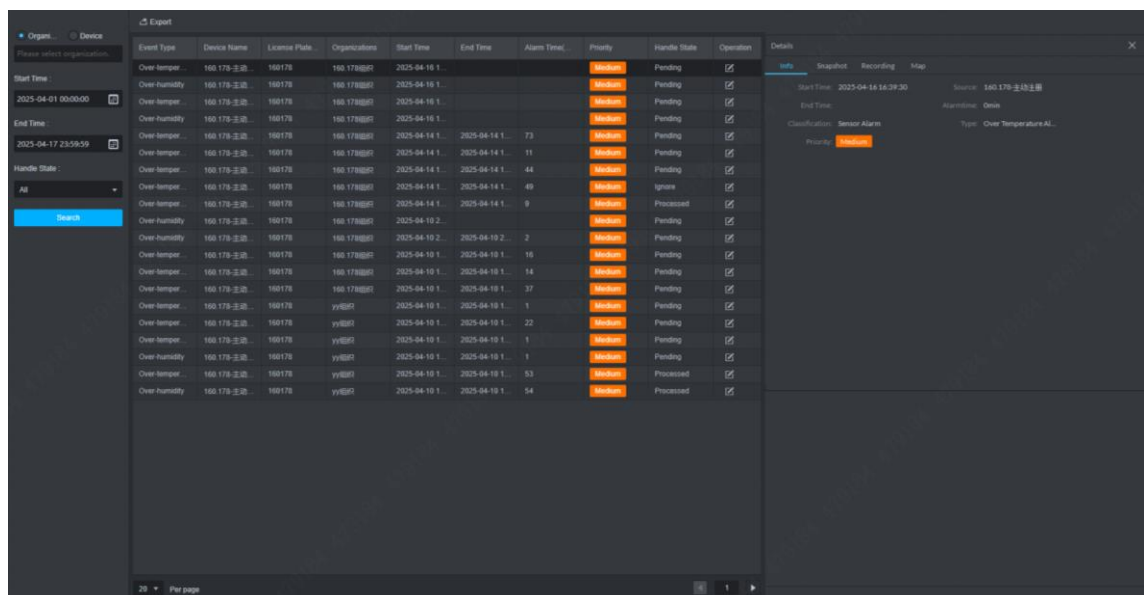
Figure 4-82 Temperature & Humidity Alarm



Event Type	Device Name	License Plate No.	Organizations	Start Time	End Time	Alarm Time(minutes)	Priority	Handle State	Operation
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-16 16:38:30			High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-16 16:38:30			High	Pending	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-16 11:13:10			High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-16 11:13:10			High	Pending	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-14 16:31:17	2025-04-14 17:44:17	73	High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-14 16:31:17	2025-04-14 16:24:17	11	High	Pending	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-14 14:56:17	2025-04-14 15:40:17	44	High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-14 14:56:17	2025-04-14 14:52:17	49	High	Ignored	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-14 13:48:47	2025-04-14 13:58:47	9	High	Processed	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-10 20:21:07			High	Pending	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-10 20:07:07	2025-04-10 20:08:37	2	High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-10 17:14:07	2025-04-10 17:30:07	16	High	Pending	
Over temperature	160-179-主动注册	160179	160-1790001	2025-04-10 16:53:37	2025-04-10 17:07:07	14	High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-10 16:02:07	2025-04-10 16:38:37	37	High	Pending	
Over temperature	160-179-主动注册	160179	yy0001	2025-04-10 15:30:37	2025-04-10 15:40:37	1	High	Pending	
Over humidity	160-179-主动注册	160179	yy0001	2025-04-10 15:12:12	2025-04-10 15:33:37	22	High	Pending	
Over temperature	160-179-主动注册	160179	yy0001	2025-04-10 15:11:06	2025-04-10 15:11:06	1	High	Pending	
Over humidity	160-179-主动注册	160179	yy0001	2025-04-10 15:11:06	2025-04-10 15:11:06	1	High	Pending	
Over temperature	160-179-主动注册	160179	yy0001	2025-04-10 14:17:43	2025-04-10 15:10:43	53	High	Processed	
Over humidity	160-179-主动注册	160179	yy0001	2025-04-10 14:17:43	2025-04-10 15:10:44	54	High	Processed	

Step 4 Click  in the right side of the list to view alarm details.

Figure 4-83 Details



Event Type	Device Name	License Plate	Organizations	Start Time	End Time	Alarm Time	Priority	Handle State	Operation
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-16 1...			High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-16 1...			High	Pending	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-16 1...			High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-14 1...	2025-04-14 1...	73	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-14 1...	2025-04-14 1...	11	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-14 1...	2025-04-14 1...	44	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-14 1...	2025-04-14 1...	49	High	Ignored	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-14 1...	2025-04-14 1...	9	High	Processed	
Over humidity	160-179-主动注册	160179	160-1790001	2025-04-10 2...			High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-10 2...	2025-04-10 2...	2	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-10 1...	2025-04-10 1...	16	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-10 1...	2025-04-10 1...	14	High	Pending	
Over temper...	160-179-主动注册	160179	160-1790001	2025-04-10 1...	2025-04-10 1...	37	High	Pending	
Over temper...	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	1	High	Pending	
Over temper...	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	22	High	Pending	
Over temper...	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	1	High	Pending	
Over humidity	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	1	High	Pending	
Over temper...	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	53	High	Processed	
Over humidity	160-179-主动注册	160179	yy0001	2025-04-10 1...	2025-04-10 1...	54	High	Processed	

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

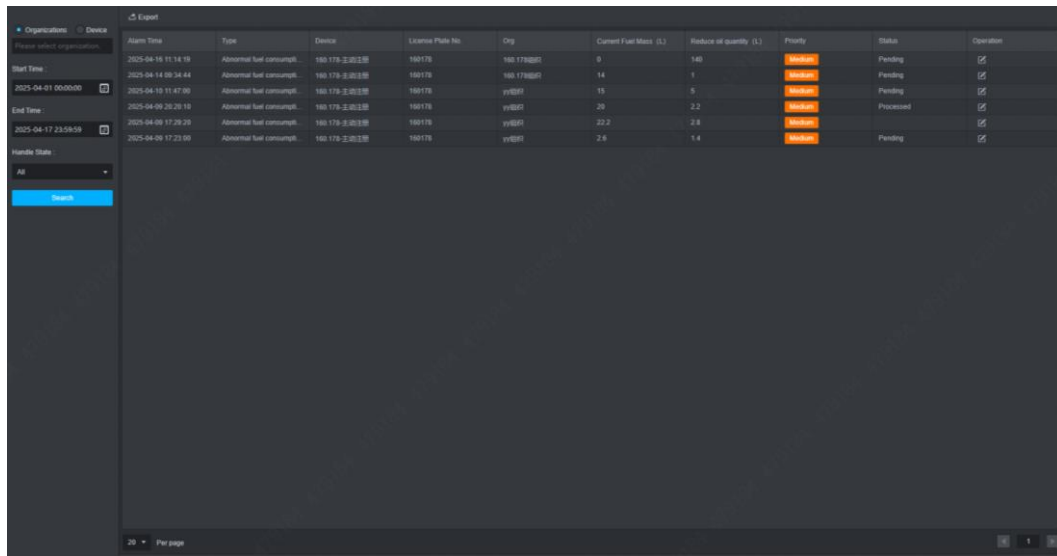
4.6.12 Oil Alarm

Step 1 Select  >History Alarm Center> Oil Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Org/ Device, Start/End Time** and **Handle State**.

Step 3 Click **Search**.

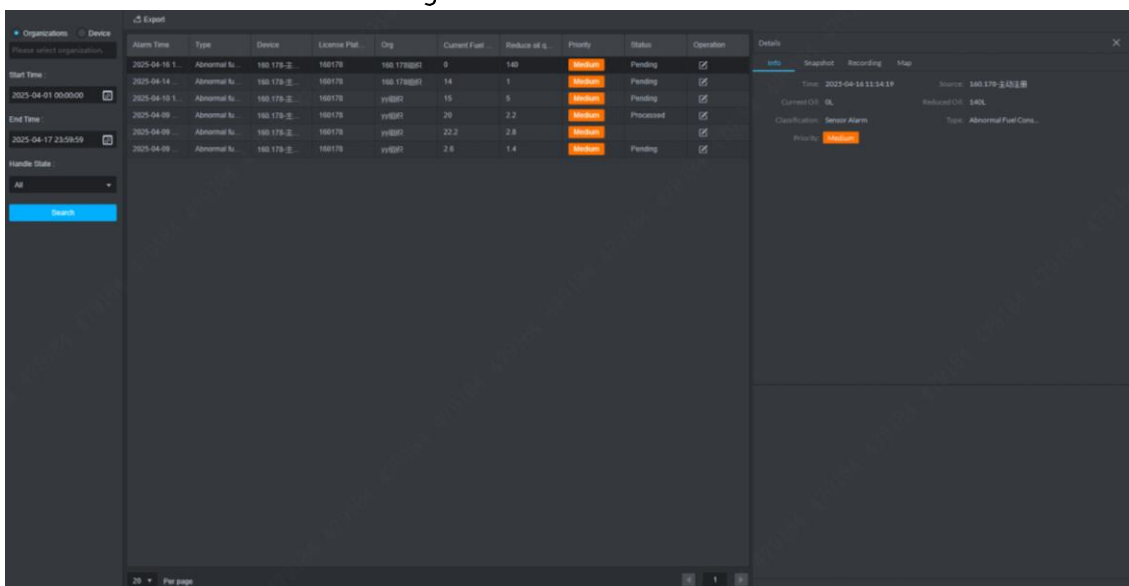
Figure 4-84 Oil Alarm



Alarm Time	Type	Device	License Plate No	Org	Current Fuel Mass (L)	Reduce oil quantity (L)	Priority	Status	Operation
2025-04-16 11:14:16	Abnormal fuel consumption	160-179-主油注器	160179	160-179BGR	9	140	High	Pending	
2025-04-14 09:34:44	Abnormal fuel consumption	160-179-主油注器	160179	160-179BGR	14	1	High	Pending	
2025-04-10 11:47:00	Abnormal fuel consumption	160-179-主油注器	160179	yyBGR	15	5	High	Pending	
2025-04-09 20:26:16	Abnormal fuel consumption	160-179-主油注器	160179	yyBGR	20	2.2	High	Processed	
2025-04-17 23:59:59	Abnormal fuel consumption	160-179-主油注器	160179	yyBGR	22.2	2.6	High	Pending	
2025-04-09 17:23:00	Abnormal fuel consumption	160-179-主油注器	160179	yyBGR	2.6	1.4	High	Pending	

Step 4 Click  in the right side of the list to view alarm details

Figure 4-85 Details



Alarm Time	Type	Device	License Plate No	Org	Current Fuel	Reduce oil q.	Priority	Status	Operation
2025-04-16 11:14:16	Abnormal fu...	160-179-主...	160179	160-179BGR	9	140	High	Pending	
2025-04-14 09:34:44	Abnormal fu...	160-179-主...	160179	160-179BGR	14	1	High	Pending	
2025-04-10 11:47:00	Abnormal fu...	160-179-主...	160179	yyBGR	15	5	High	Pending	
2025-04-09 20:26:16	Abnormal fu...	160-179-主...	160179	yyBGR	20	2.2	High	Processed	
2025-04-17 23:59:59	Abnormal fu...	160-179-主...	160179	yyBGR	22.2	2.6	High	Pending	
2025-04-09 17:23:00	Abnormal fu...	160-179-主...	160179	yyBGR	2.6	1.4	High	Pending	

Step 5 Click the tabs **Info**, **Snapshot**, **Recording**, and **Map** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

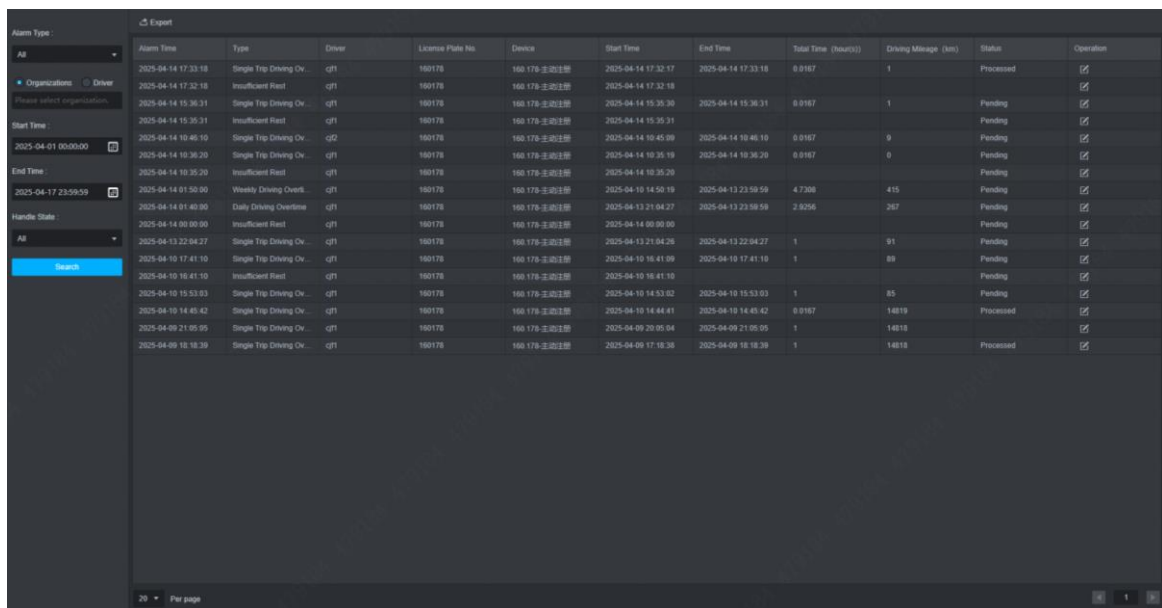
4.6.13 Driving Duration Alarm

Step 1 Select  >History Alarm Center> Driving Duration Alarm.

Step 2 Select the alarm type in the search bar on the left, select the **Alarm Type, Org/ Device, Start/End Time** and **Handle State**.

Step 3 Click **Search**.

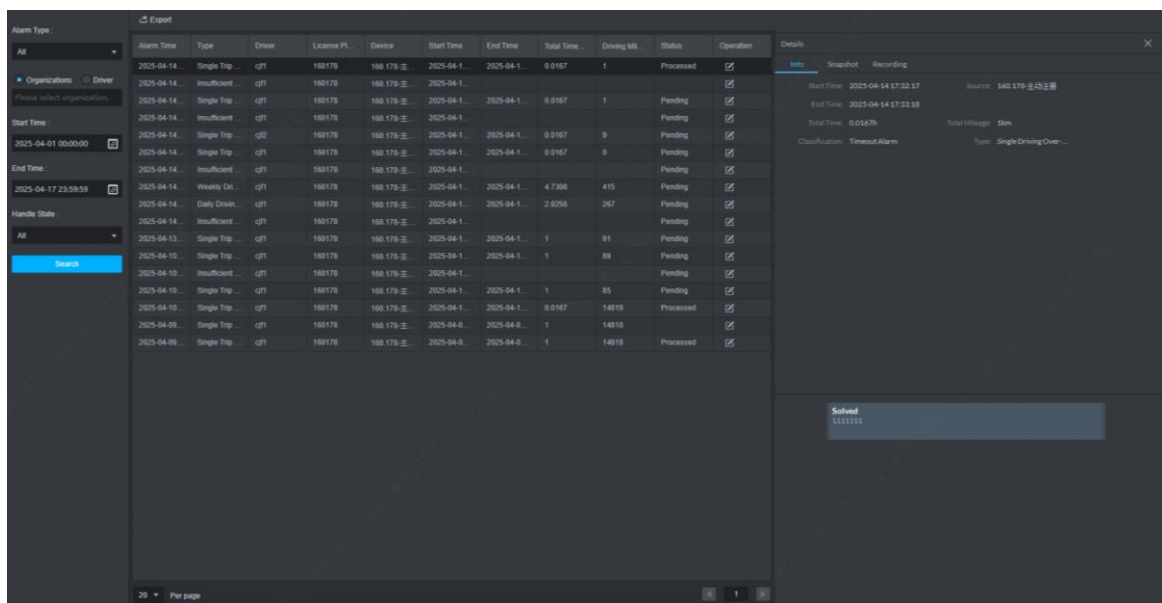
Figure 4-86 Driving Duration Alarm



Alarm Time	Type	Driver	License Plate No.	Device	Start Time	End Time	Total Time (hours)	Driving Mileage (km)	Status	Operation
2025-04-14 17:33:18	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-14 17:32:17	2025-04-14 17:33:18	0.0167	1	Processed	
2025-04-14 17:32:18	Insufficient Rest	qf1	180178	160 178-主驾注册	2025-04-14 17:32:18				Pending	
2025-04-14 15:36:31	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-14 15:36:30	2025-04-14 15:36:31	0.0167	1	Pending	
2025-04-14 15:35:31	Insufficient Rest	qf1	180178	160 178-主驾注册	2025-04-14 15:35:31				Pending	
2025-04-14 10:46:10	Single Trip Driving Ch...	qf2	180178	160 178-主驾注册	2025-04-14 10:45:09	2025-04-14 10:46:10	0.0167	9	Pending	
2025-04-14 10:36:20	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-14 10:35:19	2025-04-14 10:36:20	0.0167	0	Pending	
2025-04-14 10:35:20	Insufficient Rest	qf1	180178	160 178-主驾注册	2025-04-14 10:35:20				Pending	
2025-04-14 01:50:00	Weekly Driving Over...	qf1	180178	160 178-主驾注册	2025-04-10 14:50:19	2025-04-13 23:59:59	4.7308	415	Pending	
2025-04-14 01:40:00	Daily Driving Over...	qf1	180178	160 178-主驾注册	2025-04-13 21:04:27	2025-04-13 23:59:59	2.8296	267	Pending	
2025-04-14 00:00:00	Insufficient Rest	qf1	180178	160 178-主驾注册	2025-04-14 00:00:00				Pending	
2025-04-13 22:04:27	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-13 21:04:28	2025-04-13 22:04:27	1	91	Pending	
2025-04-10 17:41:10	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-10 16:41:09	2025-04-10 17:41:10	1	89	Pending	
2025-04-10 16:41:10	Insufficient Rest	qf1	180178	160 178-主驾注册	2025-04-10 16:41:10				Pending	
2025-04-10 15:53:03	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-10 14:53:02	2025-04-10 15:53:03	1	85	Pending	
2025-04-10 14:45:42	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-10 14:44:41	2025-04-10 14:45:42	0.0167	14819	Processed	
2025-04-09 21:05:05	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-09 20:05:04	2025-04-09 21:05:05	1	14818	Pending	
2025-04-09 18:18:39	Single Trip Driving Ch...	qf1	180178	160 178-主驾注册	2025-04-09 17:18:38	2025-04-09 18:18:39	1	14818	Processed	

Step 4 Click  in the right side of the list to view alarm details

Figure 4-87 Details



Alarm Time	Type	Driver	License Pl.	Device	Start Time	End Time	Total Time	Driving MI.	Status	Operation
2025-04-14	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	1	Processed	
2025-04-14	Insufficient	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	1	Pending	
2025-04-14	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	1	Pending	
2025-04-14	Insufficient	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	0	Pending	
2025-04-14	Single Trip	qf2	180178	160 178-主	2025-04-1	2025-04-1	0.0167	9	Pending	
2025-04-14	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	0	Pending	
2025-04-14	Insufficient	qf1	180178	160 178-主	2025-04-1	2025-04-1			Pending	
2025-04-14	Weekly Dr.	qf1	180178	160 178-主	2025-04-1	2025-04-1	4.7308	415	Pending	
2025-04-14	Daily Driv.	qf1	180178	160 178-主	2025-04-1	2025-04-1	2.8296	267	Pending	
2025-04-14	Insufficient	qf1	180178	160 178-主	2025-04-1	2025-04-1			Pending	
2025-04-13	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	1	91	Pending	
2025-04-10	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	1	89	Pending	
2025-04-10	Insufficient	qf1	180178	160 178-主	2025-04-1	2025-04-1			Pending	
2025-04-10	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	1	85	Pending	
2025-04-10	Single Trip	qf1	180178	160 178-主	2025-04-1	2025-04-1	0.0167	14819	Processed	
2025-04-09	Single Trip	qf1	180178	160 178-主	2025-04-0	2025-04-0	1	14818	Pending	
2025-04-09	Single Trip	qf1	180178	160 178-主	2025-04-0	2025-04-0	1	14818	Processed	

Step 5 Click the tabs **Info**, **Snapshot**, **Recording** at the upper-right corner of the interface to view the related information of an alarm.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.7 Evidence Center

Supports downloading evidence, including alarm information, snapshots, videos, alarm locations, etc. Support viewing evidence download records.

4.7.1 Downloading Evidence

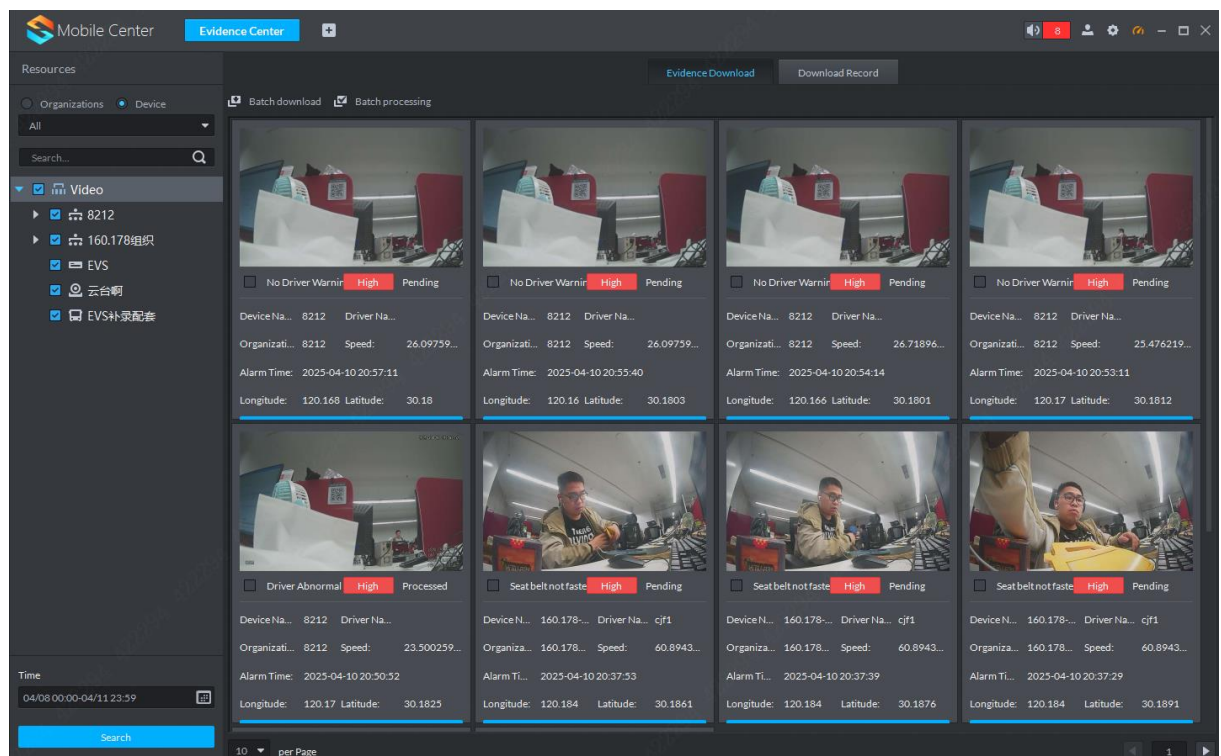
Users can download evidence, including alarm information, snapshots, videos, alarm locations, etc.

Step 1 Select  >Evidence Center> Evidence Download.

Step 2 Enter the query conditions, .select the **Org/ Device, Time**.

Step 3 Click **Search**. **Search Results** is displayed.

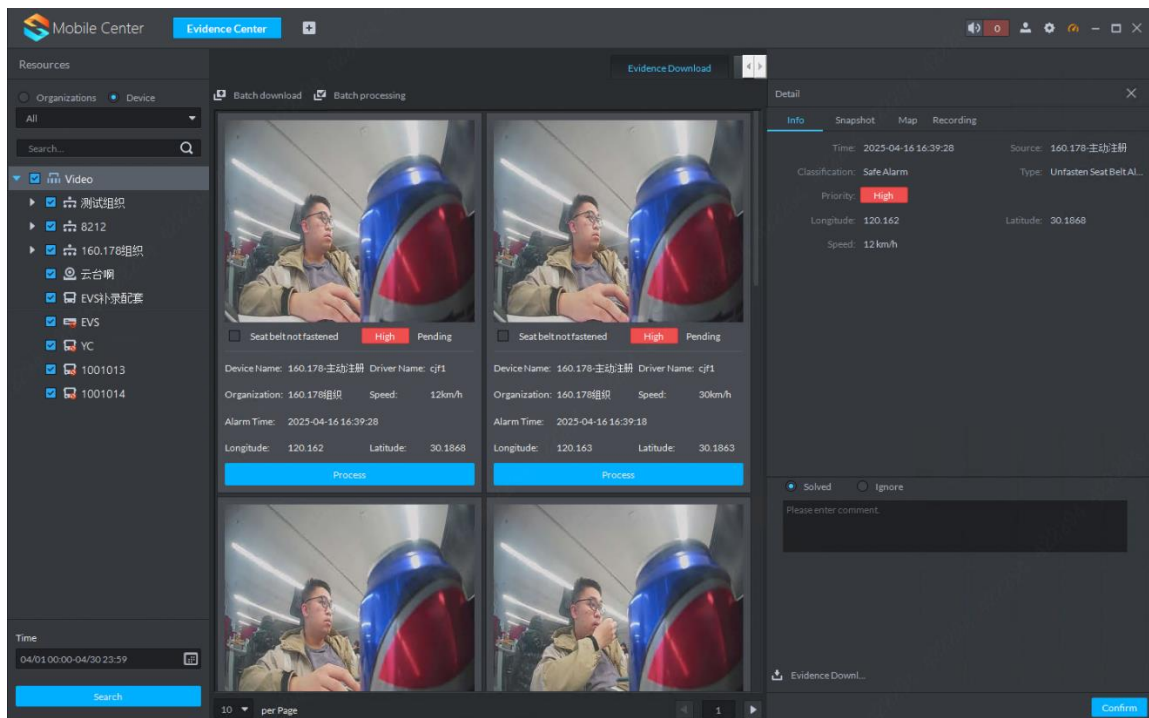
Figure 4-88 Evidence Download



Step 4 Check information such as the device name, driver name, organization, speed, alarm event, and latitude and longitude.

Step 5 Click **Process** to view the details.

Figure 4-89 Details



Step 6 Click the tabs **Info**, **Snapshot**, **Recording** and **map** at the upper-right corner of the interface to view the related information of an alarm.

Step 7 Select the processing method from **Solved** or **Ignore**, click **OK**.

Related Operations

- Batch Download: Click  to choose multiply evidence information, batch download of evidence is supported.
- Batch Processing: Click  to choose multiply evidence information, batch processing of evidence is supported.
- Evidence Download: Click **Evidence Download** to download.

4.7.2 Viewing Download Record

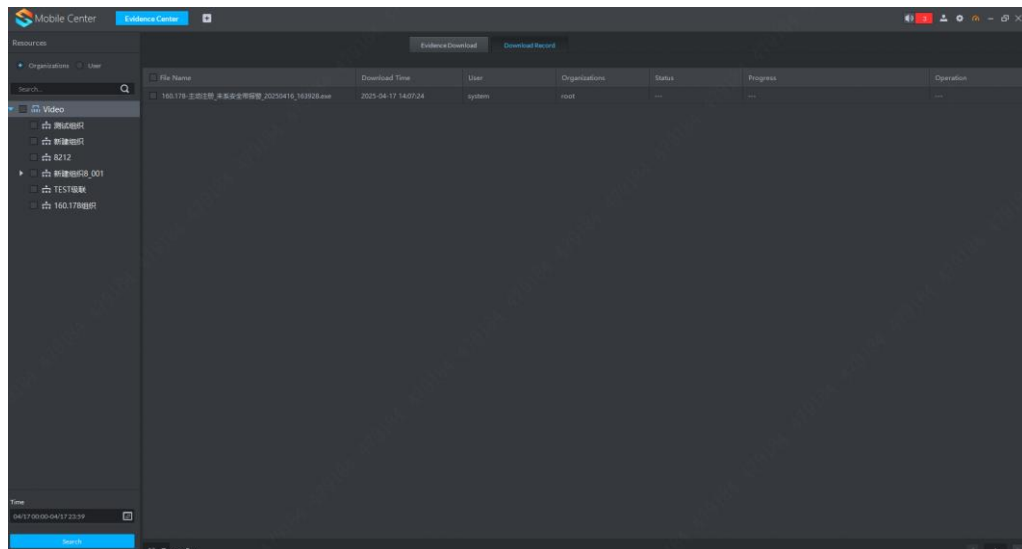
Users can view the download record

Step 1 Select  >Evidence Center> Download Record.

Step 2 Enter the query conditions, select the **Org/ Device, Time**.

Step 3 Click **Search**. **Search Results** is displayed.

Figure 4-90 Evidence Download



Step 4 Check the file name, download time, user, organization, status, progress and other information.

Step 5 Click  to view the local save location of the download record.

4.8 Driver Driving Record

Supports viewing drivers' driving records, and support daily and monthly statistics of drivers' driving records.

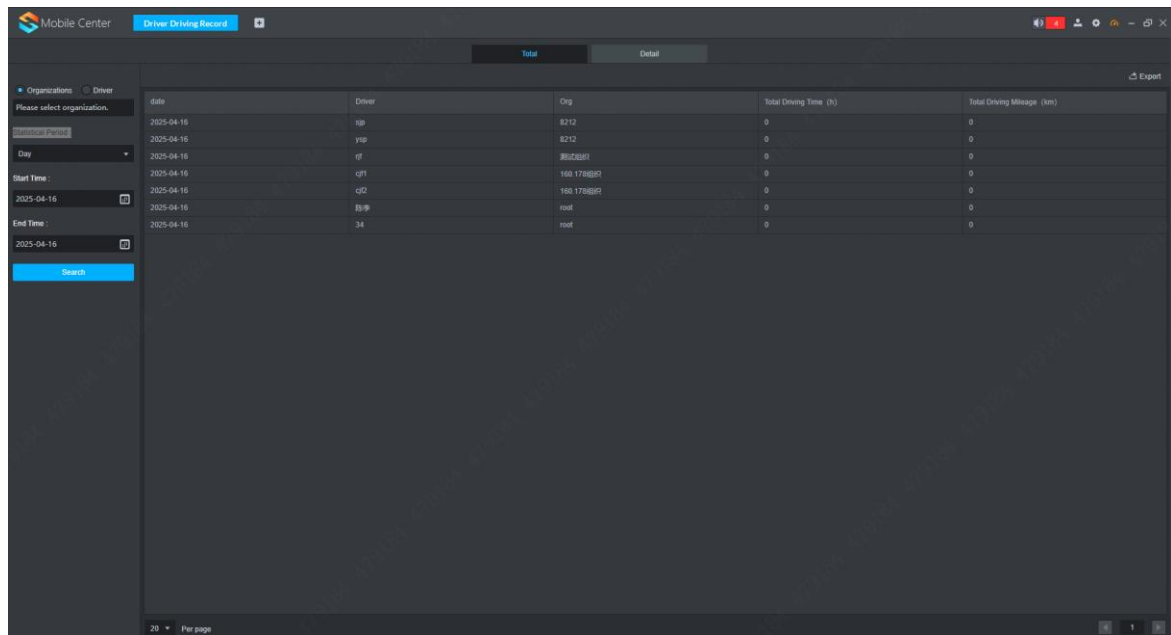
4.8.1 Viewing Total

Step 1 Select  > Drivers Driving Record > Total.

Step 2 Enter the query conditions, .select the Org/Device, Statistical Period, Start/End Time.

Step 3 Click **Search**.

Figure 4-91 Results



Mobile Center					
Driver Driving Record					
Total					
Export					
date	Driver	Org	Total Driving Time (h)	Total Driving Mileage (km)	
2025-04-16	10	8212	0	0	
2025-04-16	10	8212	0	0	
2025-04-16	10	8212	0	0	
2025-04-16	10	100.179@82	0	0	
2025-04-16	10	100.179@82	0	0	
2025-04-16	10	root	0	0	
2025-04-16	34	root	0	0	

Step 4 Check information such as date, driver, organization, accumulated driving time and accumulated driving mileage.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.8.2 Viewing Detail

Step 1 Select  > Drivers Driving Record > Detail.

Step 2 Enter the query conditions, select the **Org/ Device, Start/End Time**.

Step 3 Click **Search**.

Figure 4-92 Results

Driver	Org	License Plate No.	Start Time	End Time	Driving Time (h)	Mileage (mile)	Idle time (h)	Average Speed (mg)	Maximum Speed (n)
qf1	root	160178	2025-04-10 14:...	2025-04-10 16:...	1.7869	91.7	0.0167	13.66	54.65
qf1	root	160178	2025-04-10 14:...	2025-04-10 14:...	0.0183	0.1	0.0167	0.62	37.26
qf2	160.178组织	160178	2025-04-10 14:...	2025-04-10 14:...	0.13	0.5	0.0064	0.62	37.26

Step 4 Check information such as date, driver, organization, license plate number, start time, end time, driving duration, mileage, idling duration, average speed and maximum speed.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.9 Driver Portrait

Supports viewing basic driver information, assessment scores, and driving behavior analysis. Supports the scoring and assessment of drivers' driving records and driving behaviors. Supports viewing the detailed assessment scores of drivers and low score warnings.

4.9.1 Viewing Basic Info

Step 1 Select  > Driver Portrait > Driver Portrait.

Figure 4-93 Driver Portrait



Table 4-16 Interface Description

No	Name	Description
1	Driver Basic Info	Displays the driver's basic information, including name, ID, photo, organization, status, length of service, gender, mobile phone number, educational level and driver's license, etc.
2	Score	Displays the driver's score in the previous assessment cycle (natural month), including the organization ranking, changes in the period ranking, the TOP5 deduction items in the previous assessment cycle, and the historical score situation.

No	Name	Description
3	Analysis of Drivers' Driving Behaviors	Displays the driver's daily driving mileage/time, the distribution of alarms, alarm trends, alarm trends per 100 kilometers, and alarm rankings per 100 kilometers.
4	Driving Mileage	Displays the total daily driving mileage of the driver.
5	Driving Time	Displays the total daily driving time of the driver.
6	Driver Alarm Distribution	Displays the distribution of various abnormal alarms for drivers.
7	Alarm Top 100	Displays the ranking of alarm scores per 100 kilometers.
8	Alarm Trend	Displays the alarm trend.
9	100km Alarm Trend	Displays the alarm trend per hundred kilometers.

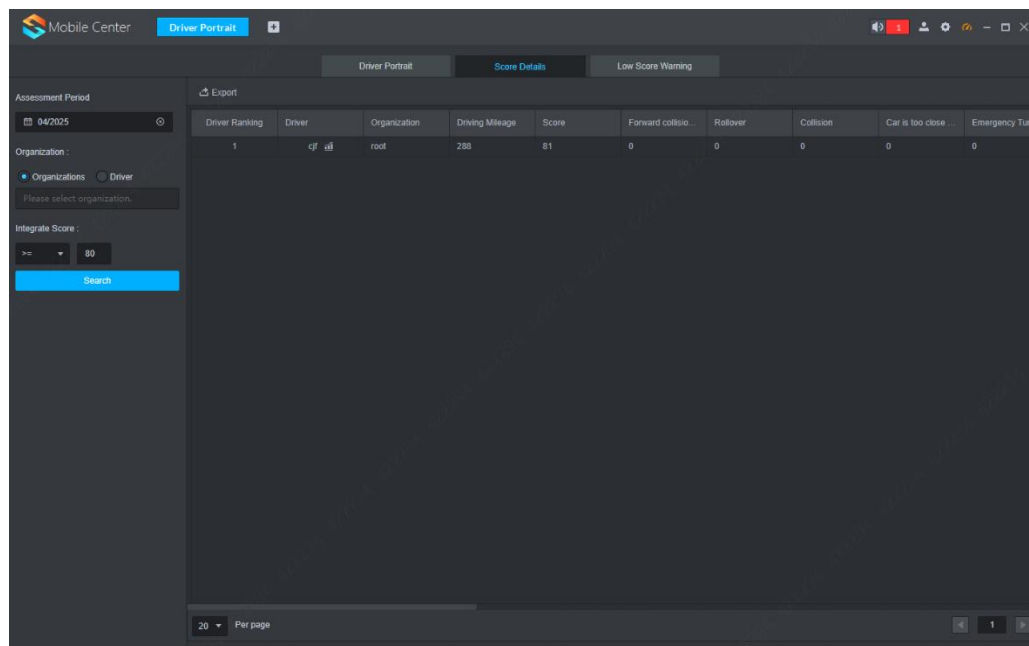
4.9.2 Viewing Score Details

Step 1 Select  > Driver Portrait > Score Details.

Step 2 Enter the query conditions, select the Assessment Period ,Org/Driver Name, Integrate Score.

Step 3 Click **Search**.

Figure 4-94 Results



Step 4 Check information such as driver ranking, driver, org, driving, driving mileage, score, etc .

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

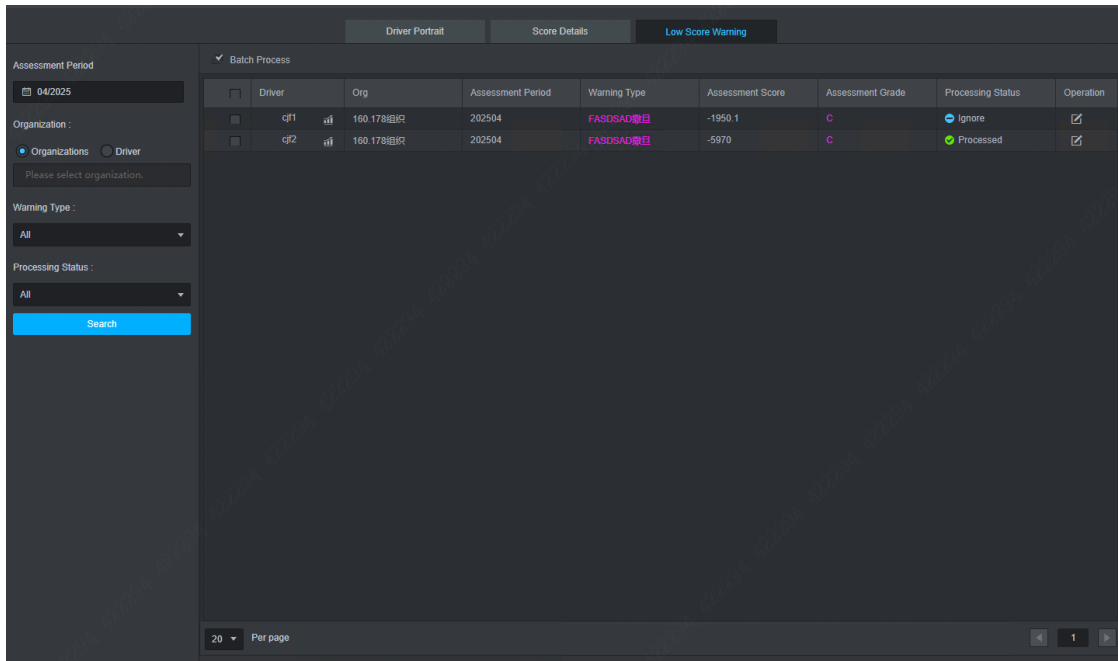
4.9.3 Processing Low Score Warning

Step 1 Select  > Driver Portrait > Low Score Warning.

Step 2 Enter the query conditions, .select the Assessment Period , Warning Type, Processing status, Org/Driver Name.

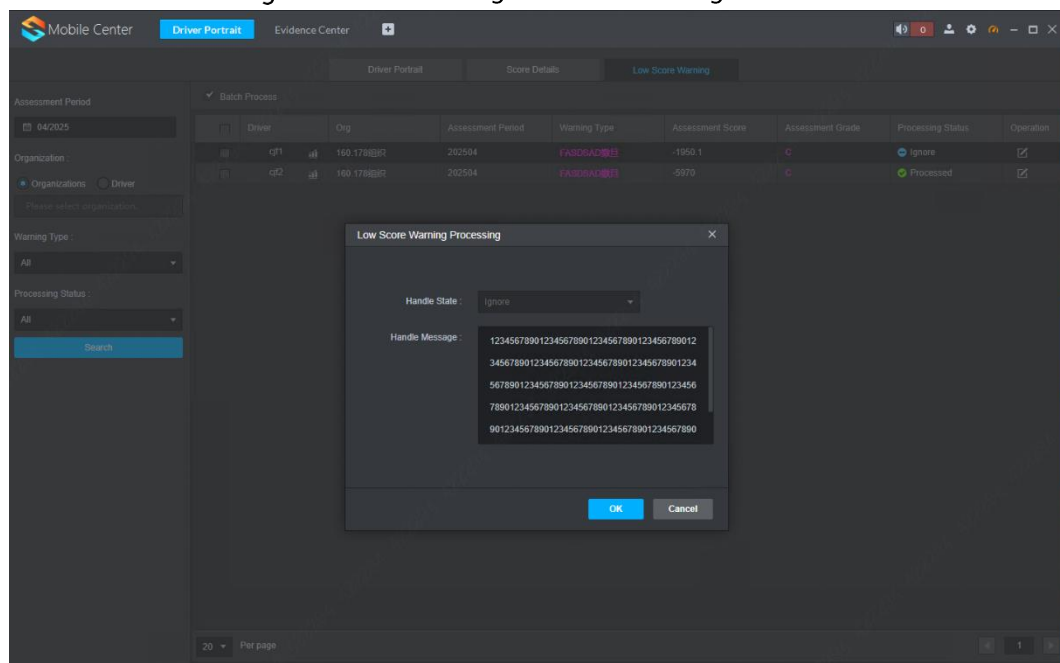
Step 3 Click **Search**. **Search Results** is displayed.

Figure 4-95 Low Score Warning



Step 4 Click , displays a pop-up box for low score warning.

Figure 4-96 Processing low score warning



Step 5 Click **OK**. After the operation is displayed successfully, the processing status will change to the state processed by the user.

Related Operations

Batch process: After selecting multiple alarm messages, it supports batch processing of low-score warnings.

4.10 Vehicle Condition Monitoring

Supports viewing the changes in vehicle fuel level and temperature and humidity. Supports viewing daily/monthly statistical reports. Supports oil theft alarm, over-temperature alarm and over-humidity alarm.

4.10.1 Temperature & Humidity

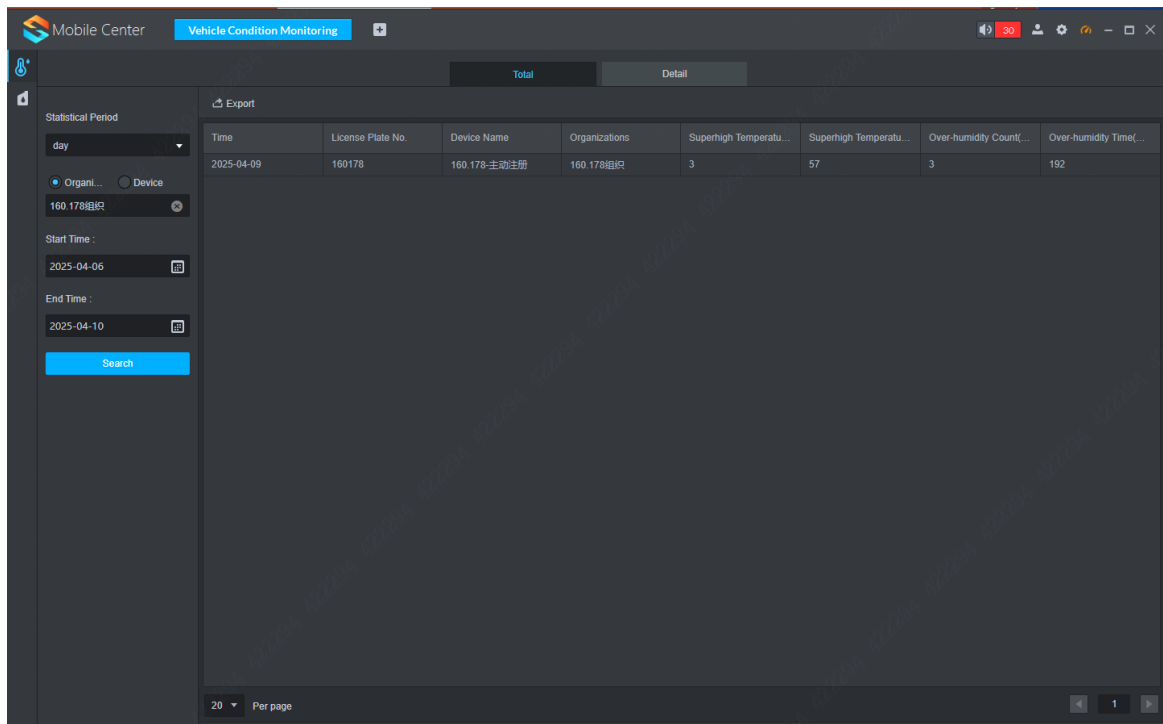
4.10.1.1 Viewing Total

Step 1 Select  > Vehicle Condition Monitoring> Temperature & Humidity> Total.

Step 2 Enter the query conditions, .select the Statistical Period , Org/Device, Start/End Time.

Step 3 Click **Search**.

Figure 4-97 Total



Time	License Plate No.	Device Name	Organizations	Superhigh Temperatu...	Superhigh Temperatu...	Over-humidity Count(...)	Over-humidity Time(...)
2025-04-09	160178	160 178-主动注册	160 178组织	3	57	3	192

Step 4 Check the time, license plate number, device name, organization, number of times of super high temperature, duration of super high temperature, number of times of over-humidity and duration of over-humidity.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

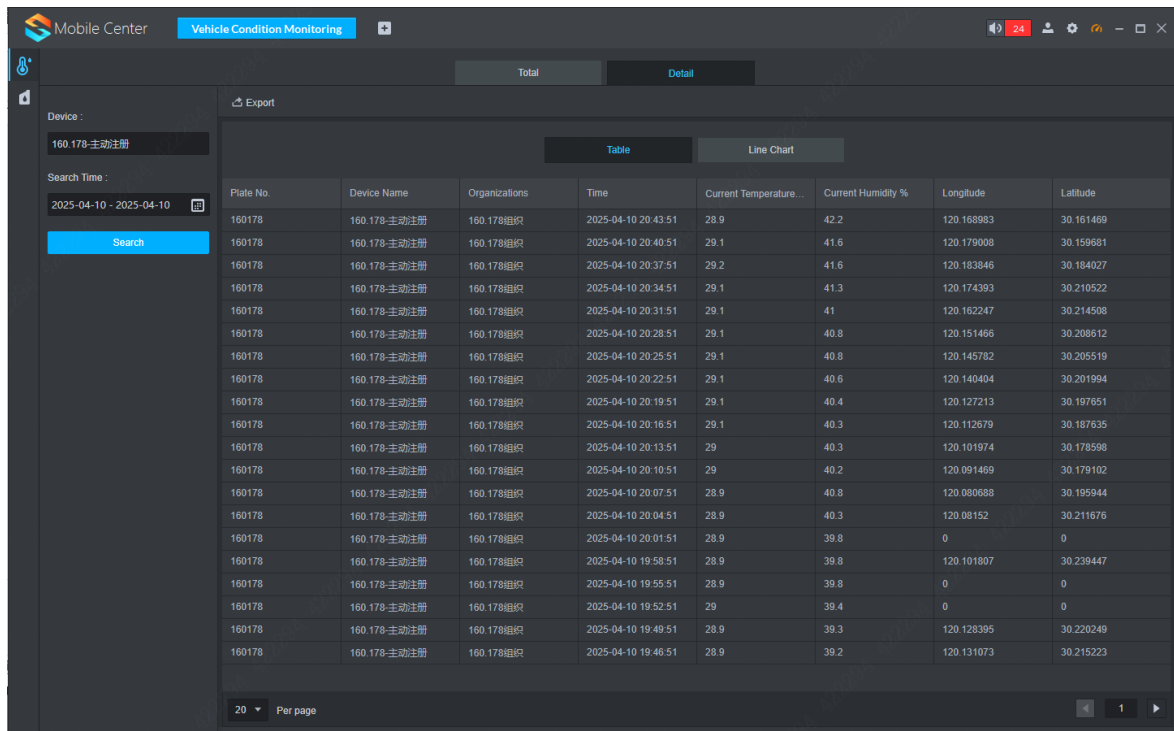
4.10.1.2 Viewing Detail

Step 1 Select  > Vehicle Condition Monitoring> Temperature & Humidity> Detail.

Step 2 Enter the query conditions, select the **Device**, **Search Time**.

Step 3 Click **Search**.

Figure 4-98 Detail



The screenshot shows the 'Vehicle Condition Monitoring' interface. On the left, there are filters for 'Device' (160.178-主动注册) and 'Search Time' (2025-04-10 - 2025-04-10). A 'Search' button is present. The main area displays a table with columns: Plate No., Device Name, Organizations, Time, Current Temperature..., Current Humidity %, Longitude, and Latitude. The table contains 20 rows of data. At the top of the table area, there are tabs for 'Table' and 'Line Chart', and an 'Export' button.

Plate No.	Device Name	Organizations	Time	Current Temperature...	Current Humidity %	Longitude	Latitude
160178	160.178-主动注册	160.178组织	2025-04-10 20:43:51	28.9	42.2	120.168983	30.161469
160178	160.178-主动注册	160.178组织	2025-04-10 20:40:51	29.1	41.6	120.179008	30.159681
160178	160.178-主动注册	160.178组织	2025-04-10 20:37:51	29.2	41.6	120.183846	30.184027
160178	160.178-主动注册	160.178组织	2025-04-10 20:34:51	29.1	41.3	120.174393	30.210522
160178	160.178-主动注册	160.178组织	2025-04-10 20:31:51	29.1	41	120.162247	30.214508
160178	160.178-主动注册	160.178组织	2025-04-10 20:28:51	29.1	40.8	120.151466	30.208612
160178	160.178-主动注册	160.178组织	2025-04-10 20:25:51	29.1	40.8	120.145782	30.205519
160178	160.178-主动注册	160.178组织	2025-04-10 20:22:51	29.1	40.6	120.140404	30.201994
160178	160.178-主动注册	160.178组织	2025-04-10 20:19:51	29.1	40.4	120.127213	30.197651
160178	160.178-主动注册	160.178组织	2025-04-10 20:16:51	29.1	40.3	120.112679	30.187635
160178	160.178-主动注册	160.178组织	2025-04-10 20:13:51	29	40.3	120.101974	30.178598
160178	160.178-主动注册	160.178组织	2025-04-10 20:10:51	29	40.2	120.091469	30.179102
160178	160.178-主动注册	160.178组织	2025-04-10 20:07:51	28.9	40.8	120.080688	30.195944
160178	160.178-主动注册	160.178组织	2025-04-10 20:04:51	28.9	40.3	120.08152	30.211676
160178	160.178-主动注册	160.178组织	2025-04-10 20:01:51	28.9	39.8	0	0
160178	160.178-主动注册	160.178组织	2025-04-10 19:58:51	28.9	39.8	120.101807	30.239447
160178	160.178-主动注册	160.178组织	2025-04-10 19:55:51	28.9	39.8	0	0
160178	160.178-主动注册	160.178组织	2025-04-10 19:52:51	29	39.4	0	0
160178	160.178-主动注册	160.178组织	2025-04-10 19:49:51	28.9	39.3	120.128395	30.220249
160178	160.178-主动注册	160.178组织	2025-04-10 19:46:51	28.9	39.2	120.131073	30.215223

Step 4 Select the table or line chart to view the license plate number, device name, organization, time, current temperature, current humidity and latitude and longitude.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

4.10.2 Oil Management

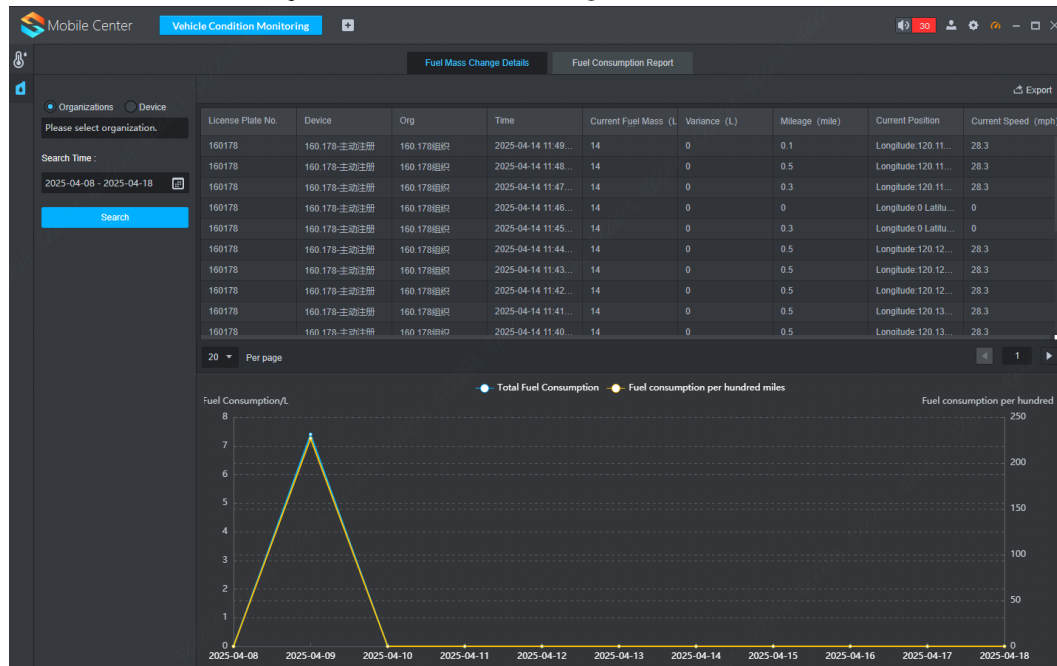
4.10.2.1 Viewing Fuel Mass Change Details

Step 1 Select  > Vehicle Condition Monitoring> Oil Management> Total Fuel Mass Change Details.

Step 2 Enter the query conditions, select the **Org/Device**, **Search Time**.

Step 3 Click **Search**. **Search Results** is displayed.

Figure 4-99 Fuel Mass Change Details

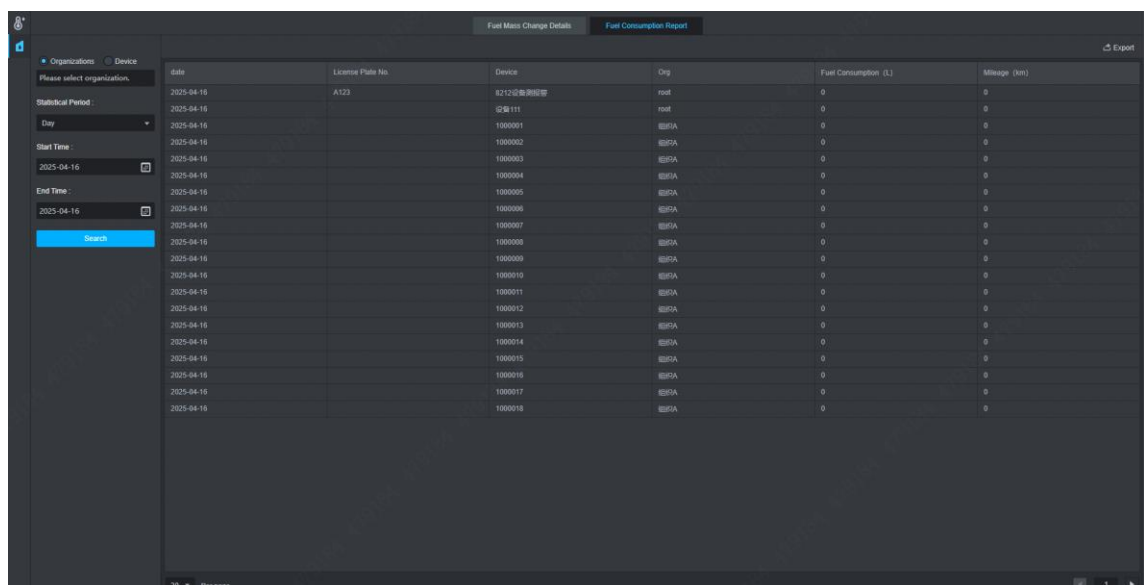


Step 4 Check the license plate number, device, organization, time, current fuel mass, variance, mileage, current position and current speed.

4.10.2.2 Viewing Fuel Consumption Report

- Step 1** Select  > Vehicle Condition Monitoring> Oil Management> Fuel Consumption Report.
- Step 2** Enter the search conditions, select the Statistical Period , Org/Device, Start/End Time.
- Step 3** Click **Search**.

Figure 4-100 Fuel Consumption Report



Step 4 Check the date, license plate number, device, organization, fuel consumption and mileage.

Related Operations

Click **Export** on the top of the list to save alarm data locally. You can export 30,000 records at most.

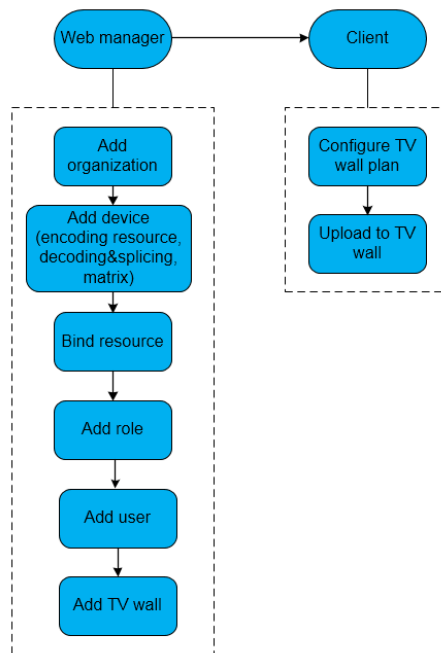
4.11 Video Wall

4.11.1 Preparations

To display videos on the wall at the client, you need to:

- Add related devices: Encoder, decoder, or matrix device. For details, see "3.6Adding Device".
- Add video wall. For details, see "3.10Adding Video Wall".

Figure 4-101 Process of displaying videos on the wall



4.11.2 Videos on the wall

Step 1 Select  > **Video Wall**.

Figure 4-102 Displaying videos on the wall

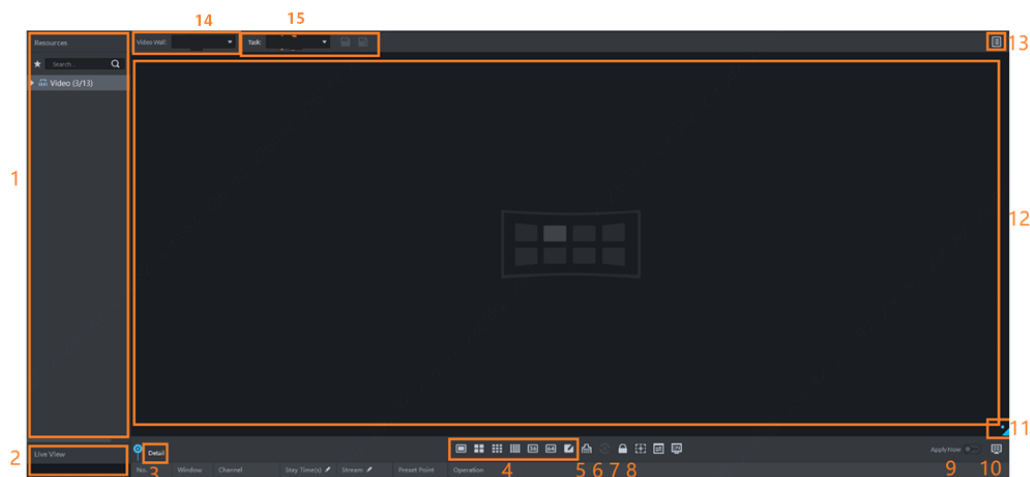
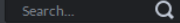


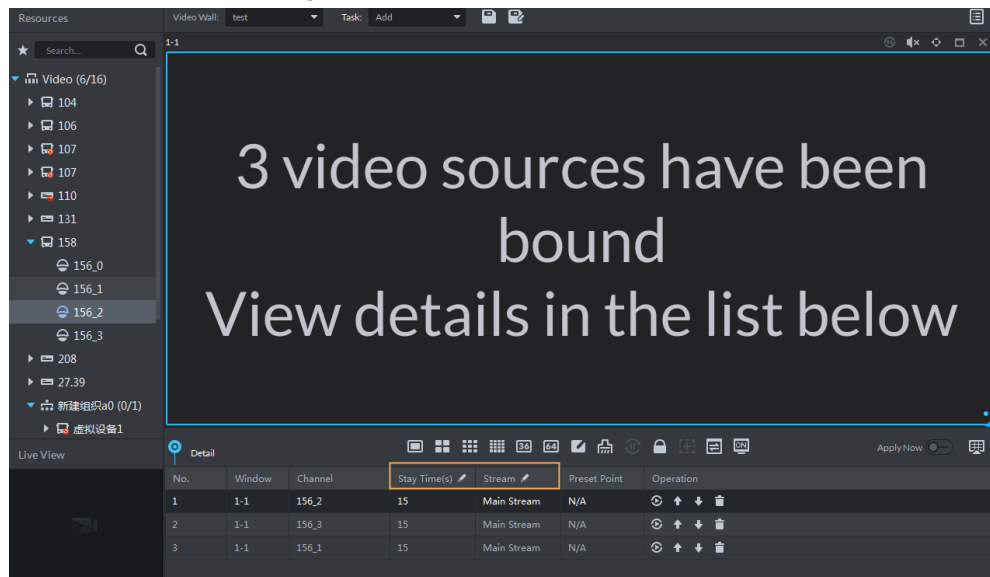
Table 4-17 Description of videos on wall interface

No.	Module Name	Description
1	Device tree	● If in Basic Setting, you select Show device node, the Device Tree shows the device and the channels under it. If deselected, channels of all devices are displayed. ● Enter device or channel name in  to search for channels. ● : View Favorites folder. Right-click the added channels, you can delete the channel. Right-click the folder, you can tour view the added channels or create new folders.
2	Live view	Live view of video in the channel.
3	Details	Click this icon to view the binding information of the screen, window, and channel. ● : View video in the Live View area at the lower-left corner to check whether the channel is required. ● : Adjust the sequence. ● : Delete the video source of the added window. ● : Modify the channel stay time in signal tour. ● : Modify the video stream.
4	Window split	Set window split mode.
5	Clear	Clear information of all screens.
6	Start or stop all tours	Start or stop all tours.
7	Lock window	A locked window cannot be operated.
8	Back display	View the current layout.
9	Real-time videos on the wall	Enable the function to display videos on the wall while a task is configured.
10	Displaying videos on the wall	Manually display videos on the wall.
11	Eagle eye	View the current video wall layout in thumbnail.
12	Video Wall	Video wall area
13	Video wall plan	Configure the schedule plan and tour plan. For details, see "4.11.3Creating Videos on Wall Plan".
14	Task manager	Allow for adding, saving, or deleting tasks.
15	Video wall selection	Select a video wall to be configured.

Step 2 Select a video wall and a window.

Step 3 Double-click video channels in the device tree or directly drag the video channel to the video window.

Figure 4-103 Bind channels



- Enter a device name or channel name in the search box to search.
- Multiple video sources can be bound in a window.

Step 4 Click  to display videos on the wall.

When multiple video sources are bound in a window, the window automatically starts touring after displaying videos on the wall.

- Modify the stay time and the stream type of a channel in the right-click menu or in **Detail**.
- Click  to modify tour sequence.

Select **Stop all tours** in the right-click menu or click  to stop tour.

4.11.3 Creating Videos on Wall Plan

4.11.3.1 Configuring Schedule Plan

After configuring the schedule plan, you can play video task on video wall at a fixed time.

Procedure

Step 1 On the **Video Wall** interface, click  at the upper-right corner.

Step 2 Select .

Figure 4-104 Schedule plan

Step 3 Enter the plan name.

Step 4 Select **Task** and configure **Start Time** and **End Time** of the plan. Click .



When you select **Enable Remaining Time Plan** and configure a plan, the corresponding task will be displayed on the wall beyond the schedule time.

Figure 4-105 Plan information and timeline

Step 5 Click **Save**.

The system returns to the **Video Wall Plan** interface.

Step 6 Click  to enable the plan.

Related Operations

- Modify: To modify a plan, click  corresponding to the plan.
- Delete: To delete a plan, click  corresponding to the plan.

4.11.3.2 Configuring Tour Plan

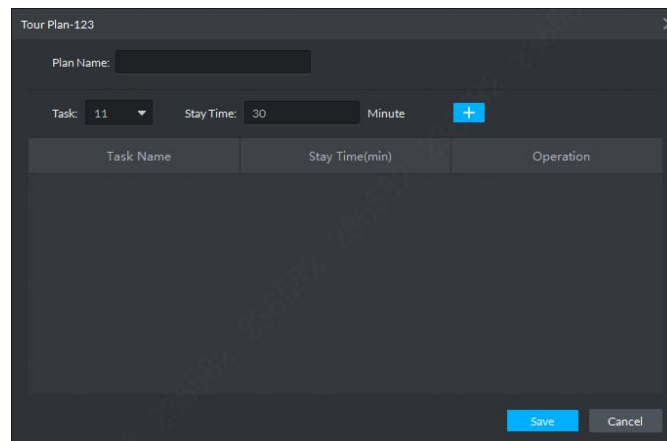
After a tour plan is configured, the system can tour multiple plans on the video wall.

Procedure

Step 1 On the **Video Wall** interface, click  at the upper-right corner.

Step 2 Select .

Figure 4-106 Tour plan



Step 3 Enter the plan name.

Step 4 Select a video task and configure the stay time, and click .

- Click  to adjust task sequence.
- Click  to delete a task.

Figure 4-107 Tour information

Task Name	Stay Time(min)	Operation
11	00:30	  
11	00:30	  

Step 5 Click **Save**.

The system returns to the **Video Wall Plan** interface.

Step 6 Click  to enable the plan.

Related Operations

- Modify: To modify a plan, click  corresponding to the plan.
- Delete: To delete a plan, click  corresponding to the plan.

4.12 Basic Information Management

You can manage drivers, vehicles, and human-vehicle relationship, so as to add, search for, and delete information.

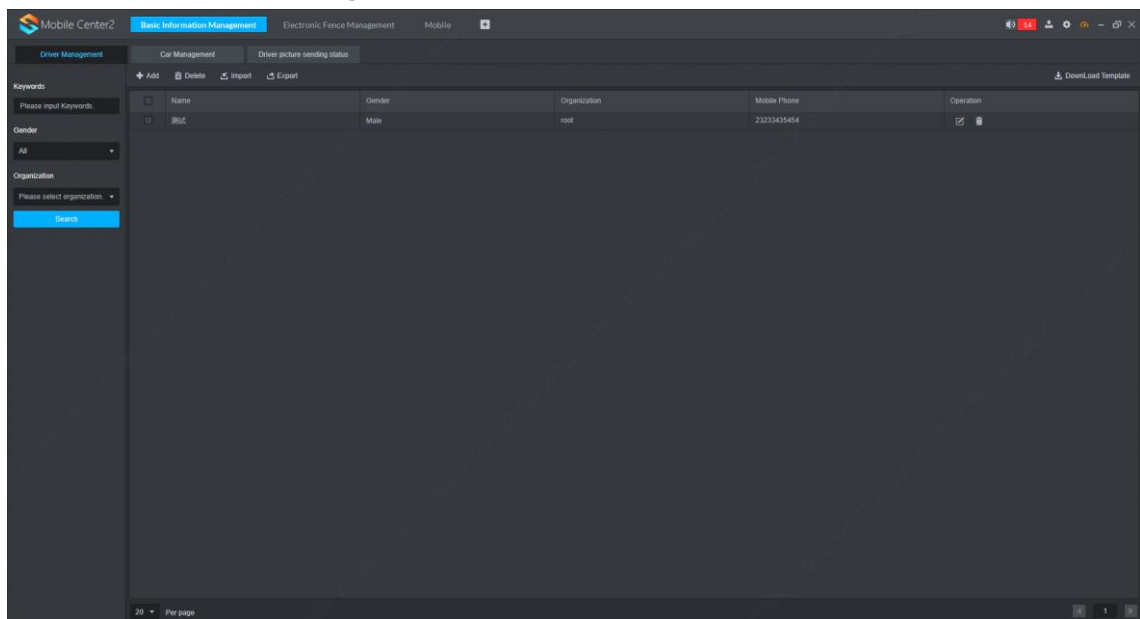
4.12.1 Driver Management

You can search, add, modify, delete, or import driver information.

Step 1 Select  > Basic Information Management.

Step 2 Click Driver Management.

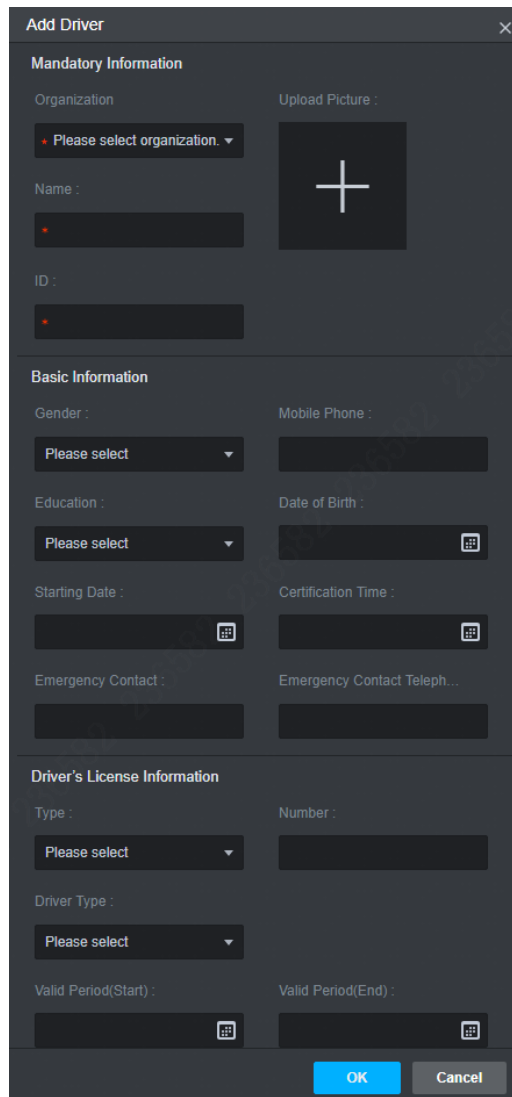
Figure 4-108 Driver Management



Step 3 You can perform operations on driver information.

- Search
 - 1) Enter the driver keywords, select the **Gender** and **Organization** of the driver.
 - 2) Click **Search**.
Matching driver information is displayed in the list on the right side.
- Add
 - 1) Click **Add**.

Figure 4-109 Adding driver



- 2) Enter the driver information as needed.



Field with  are required. Configure the FTP before uploading pictures.

- 3) Click **OK**.

Related Operations

- Modify: To edit driver information, click  next to the driver information.
- Delete:
 - ◇ Click  next to the driver information to delete.
 - ◇ Select the driver information you want to delete, and click **Delete**.
- Import: Click **Import** to import driver information.



To add driver information in batches, click **Download Template**.

4.12.2 Car Management

Search, add, modify, delete, and import vehicle information.

Step 1 Select  > Basic Information Management.

Step 2 Click Car Management.

Step 3 Add vehicles.

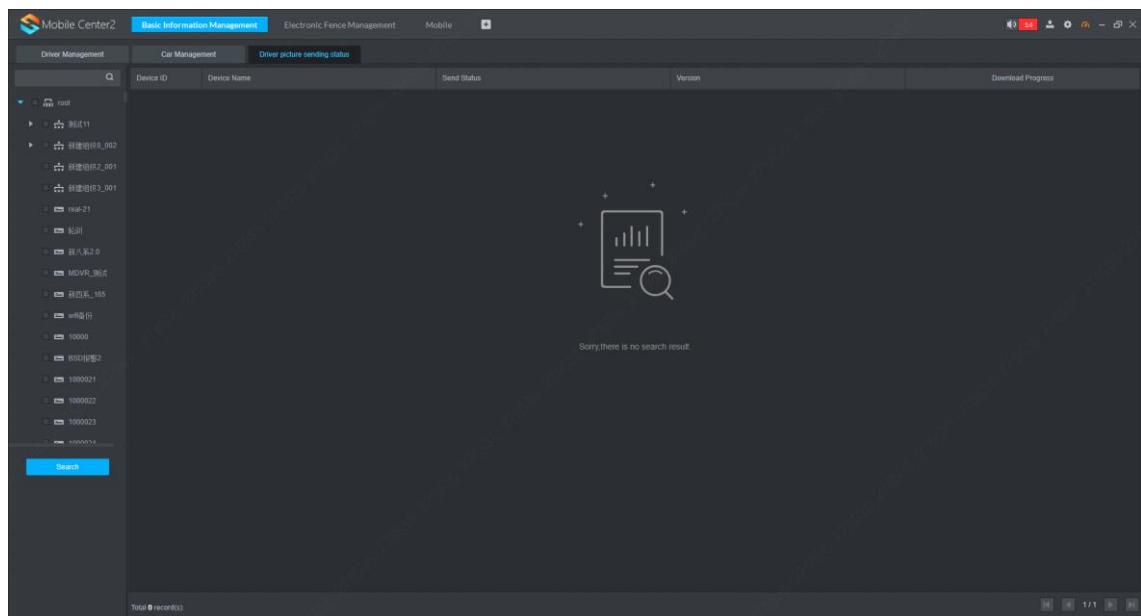
The steps are similar to those in driver management. See "4.12.1 Driver Management".

4.12.3 Driver Picture Sending Status

After binding the car information in **Driver Management**, platform automatically sends the driver's image to the device, and the user can view the distribution progress on the PC client.

Step 1 Select  > Basic Information Management > Driver picture sending status.

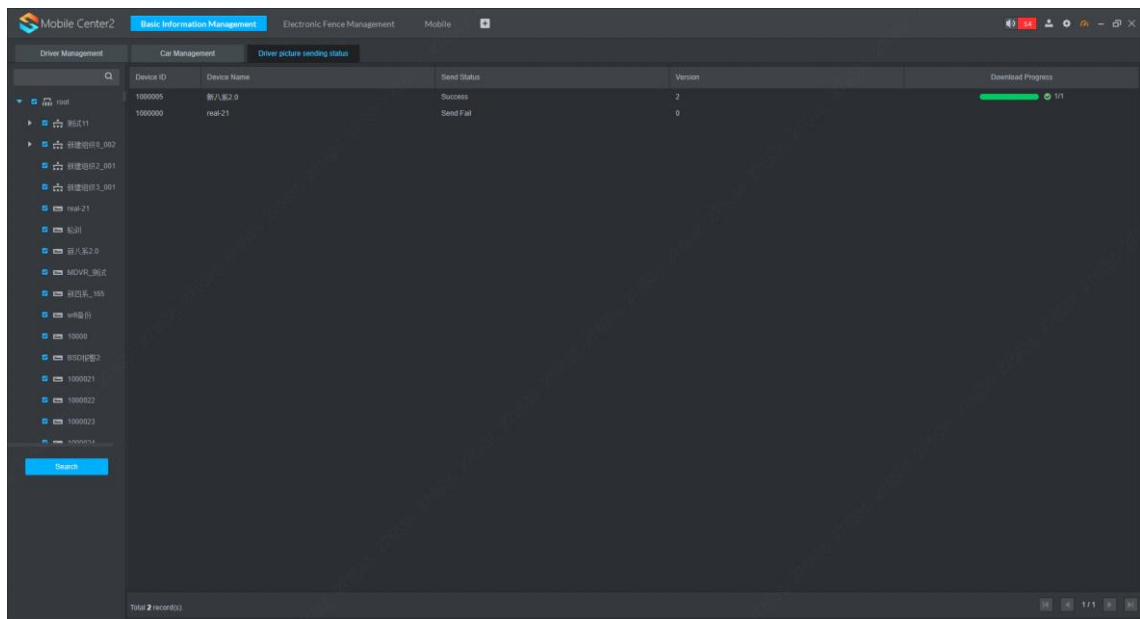
Figure 4-110 Driver picture sending status



Step 2 Select devices in the device tree on the left side.

Step 3 Click **Search**.

Figure 4-111 Search Result

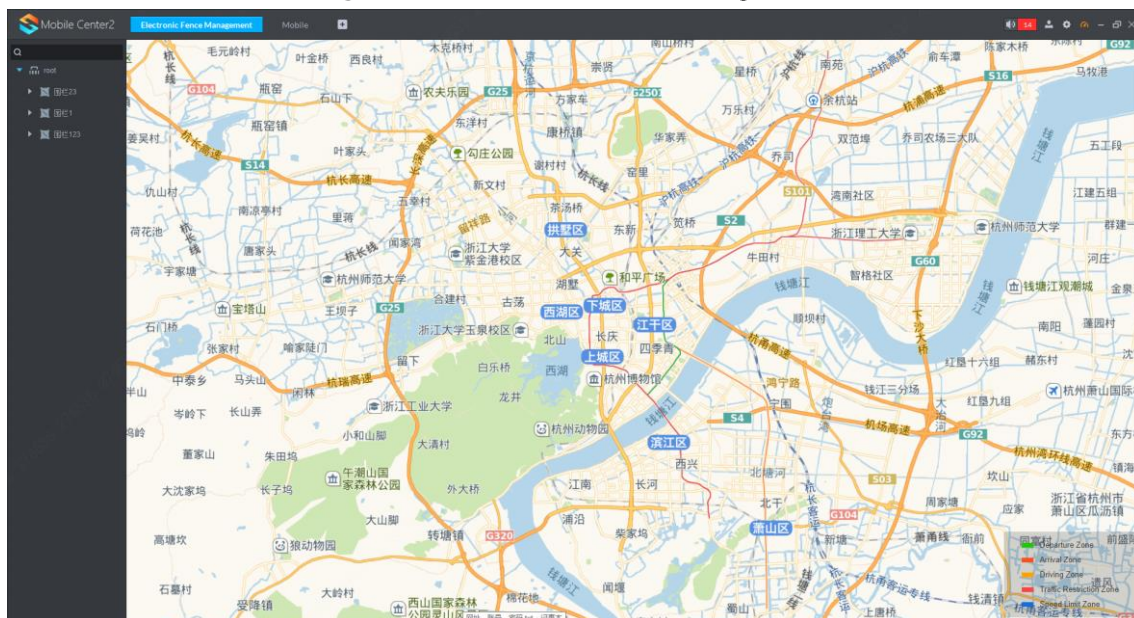


4.13 Electronic Fence Management

You can add an electronic fence to the map. When a vehicle drives into or out of the fence, an alarm is triggered.

Step 1 Select  > Electronic Fence Management.

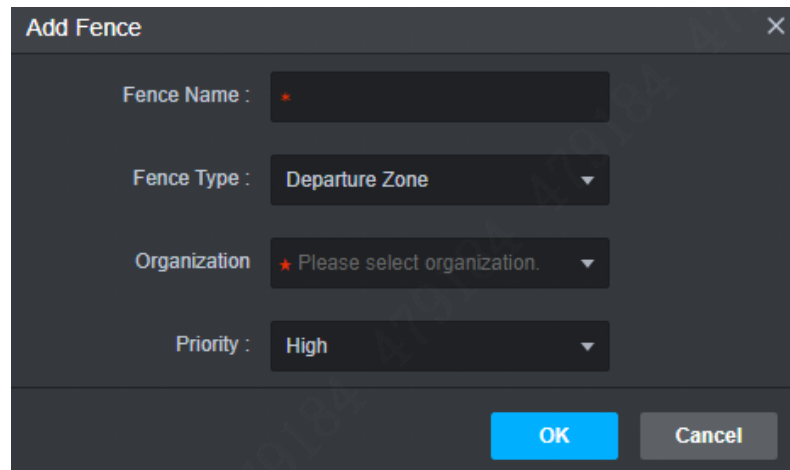
Figure 4-112 Electronic Fence Management



Step 2 Add fence.

- 1) Click , draw the scope of the fence on the map.
- 2) Set **Fence Name**, **Fence Type**, **Organization** and **Priority**.
- 3) Click **OK**.

Figure 4-113 Add fence



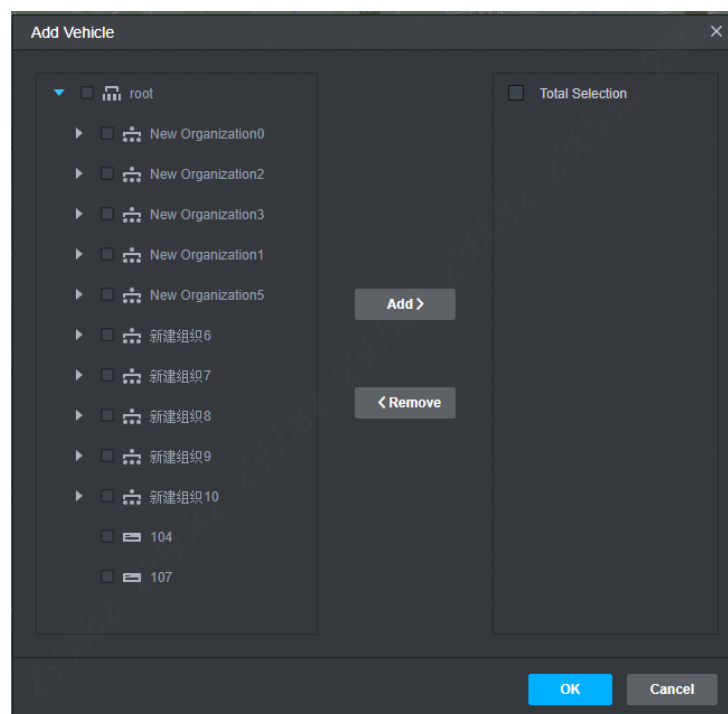
The 'Add Fence' dialog box contains the following fields:

- Fence Name :** A text input field with a red asterisk indicating it is required.
- Fence Type :** A dropdown menu currently set to 'Departure Zone'.
- Organization :** A dropdown menu with the text 'Please select organization.' and a red asterisk.
- Priority :** A dropdown menu currently set to 'High'.

At the bottom right, there are two buttons: 'OK' (highlighted in blue) and 'Cancel'.

Step 3 Add Vehicle. Click **Add** to bond the device.

Figure 4-114 Add vehicle



The 'Add Vehicle' dialog box shows a tree view of organizations on the left:

- root
 - New Organization0
 - New Organization2
 - New Organization3
 - New Organization1
 - New Organization5
 - 新建组织6
 - 新建组织7
 - 新建组织8
 - 新建组织9
 - 新建组织10
 - 104
 - 107

In the center, there are two buttons: 'Add >' and '< Remove'.

On the right, there is a section labeled 'Total Selection' with a checkbox.

At the bottom right, there are two buttons: 'OK' (highlighted in blue) and 'Cancel'.

Step 4 Click **OK**.

Add the vehicle to the fence, and double-click the fence name. The fence is then displayed on the map.

Related Operations.

- Edit fence
Click **Edit Fence** to edit the vehicle information in the fence.
- Rename
Click **Rename** to modify the fence name.
- Delete
Click **Delete Fence**. Click **OK** to delete the fence.

4.14 Data Management

Manage data of Face Database, ANPR database, Line and Site.

4.14.1 Face Database Management

Users can manage the face database and view the distribution progress and records of the face database here.

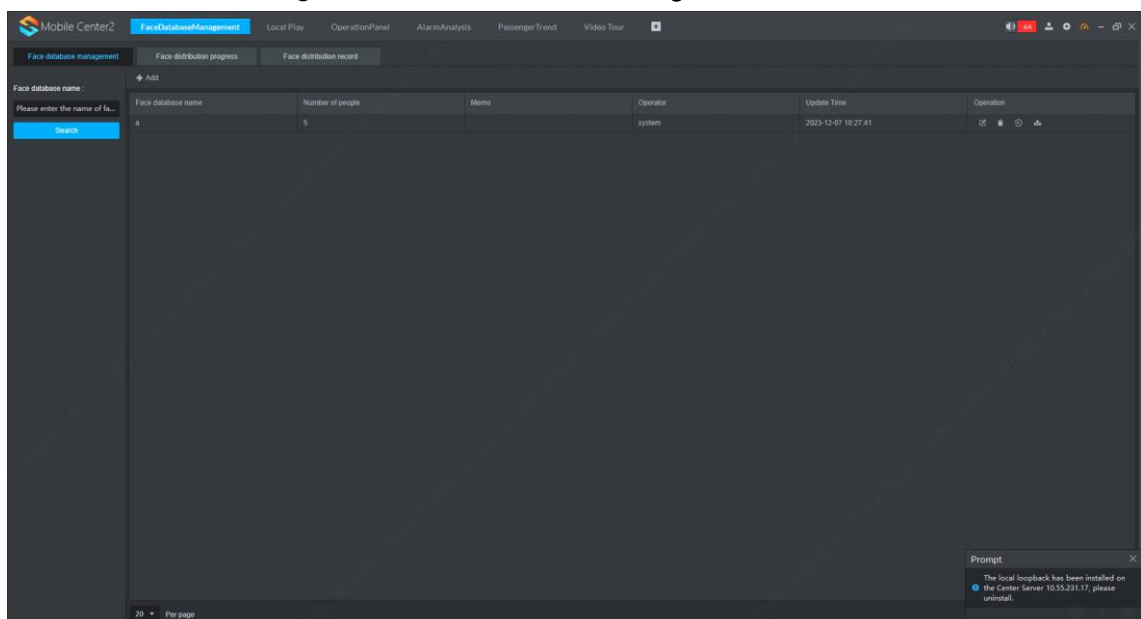
4.14.1.1 Face Database

Before distributing face information, first create a face database, and add personnel information to the face database. When the device detects the face in the face database, it triggers an alarm and reports it to the platform.

Create face database

Step 1 On the Homepage interface, select Face Database Management.

Figure 4-115 Face Database Management



Step 2 Click **Add**, enter the **Face database name** to create face database.

Figure 4-116 Add face database

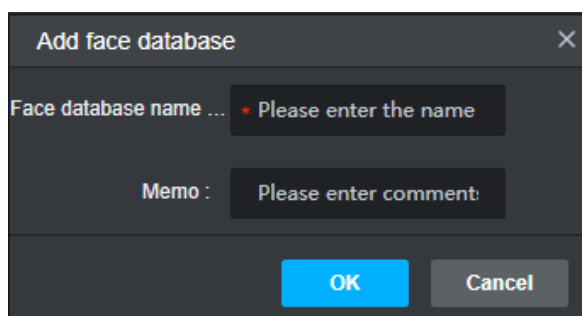


Table 4-18 Face database operation description

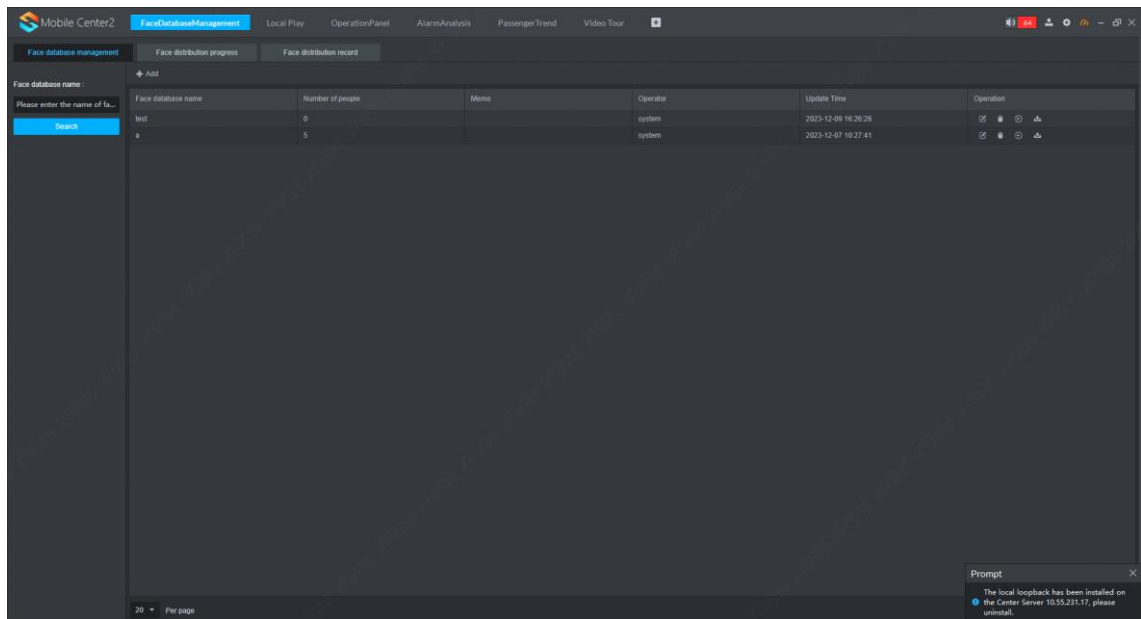
Icon	Description
	Edit face database name and memo.
	Delete face database.
	Click and the interface of adding face data is displayed.
	Distribute the face database to specified vehicles.

Add Face Information

Before first add people information, add personnel type.

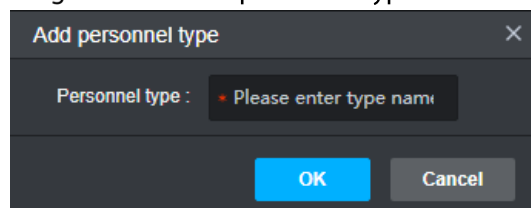
Step 1 Click  on the right side of the face database, and the interface of adding face data is displayed.

Figure 4-117 Adding face data



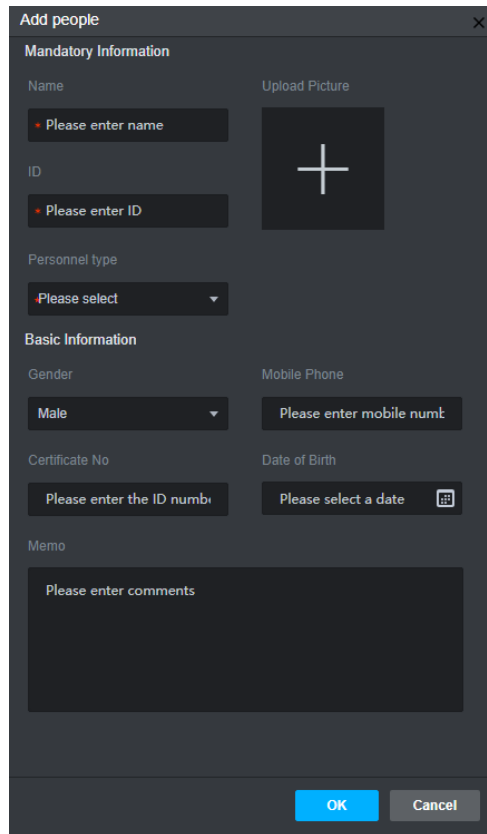
Step 2 Click **Add personnel type** and enter the type name in the pop-up interface. Click **OK**.

Figure 4-118 Add personnel type



Step 3 Click **Add**, the **Add people** interface is displayed.

Figure 4-119 Add people



Step 4 Enter **Name**, **ID**, **Personnel type** and upload picture.



The maximum resolution of picture is 720p.

Step 5 Click **OK**, face information is added.

Figure 4-120 Face information

Back Add Delete Import Export Download Template Add personnel type							
	Name	ID	Personnel type	Gender	Operator	Modification time	Operation
☐	234	234	1111	Male	system	2022-06-08 10:51:07	☒ 
☐	liang	123	1111	Male	system	2022-06-08 10:50:45	☒ 
☐	222	222	1111	Male	system	2022-06-08 10:49:04	☒ 

Step 6 Related Operations.

- Search: Enter **ID**, **Name** and **Gender** and click **Search**.
- Delete: Click  in the right side of the list or click **Delete** above the list.
- Import: Click **Import**, select a people information template, and import the template.

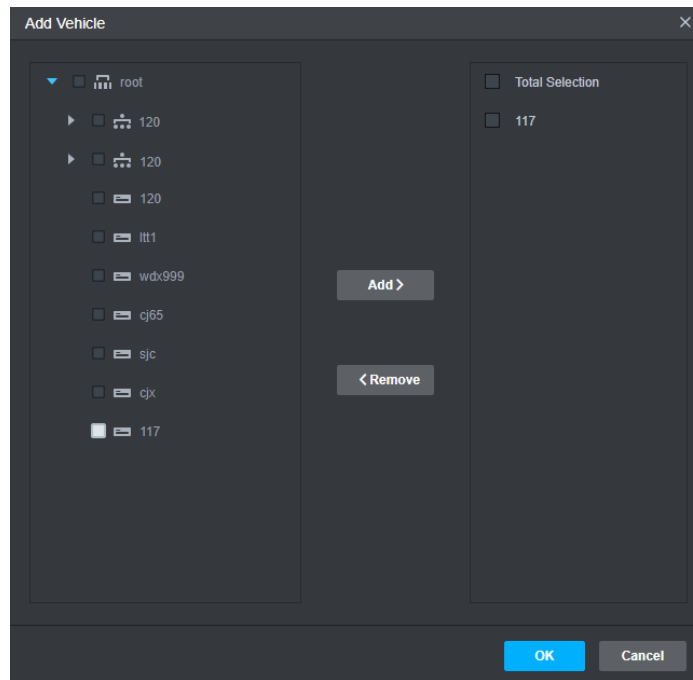
Click **Download Template** to download a template.
- Export: Click **Export** to export the people information.

Distribute Face Database

Step 1 Click **Back** to return to the **Face Management** interface.

Step 2 Click  in the right side of the list and the **Add Vehicle** interface is displayed.

Figure 4-121 Add Vehicle



Step 3 Select vehicle from the organization list on the left, and then click **Add**.

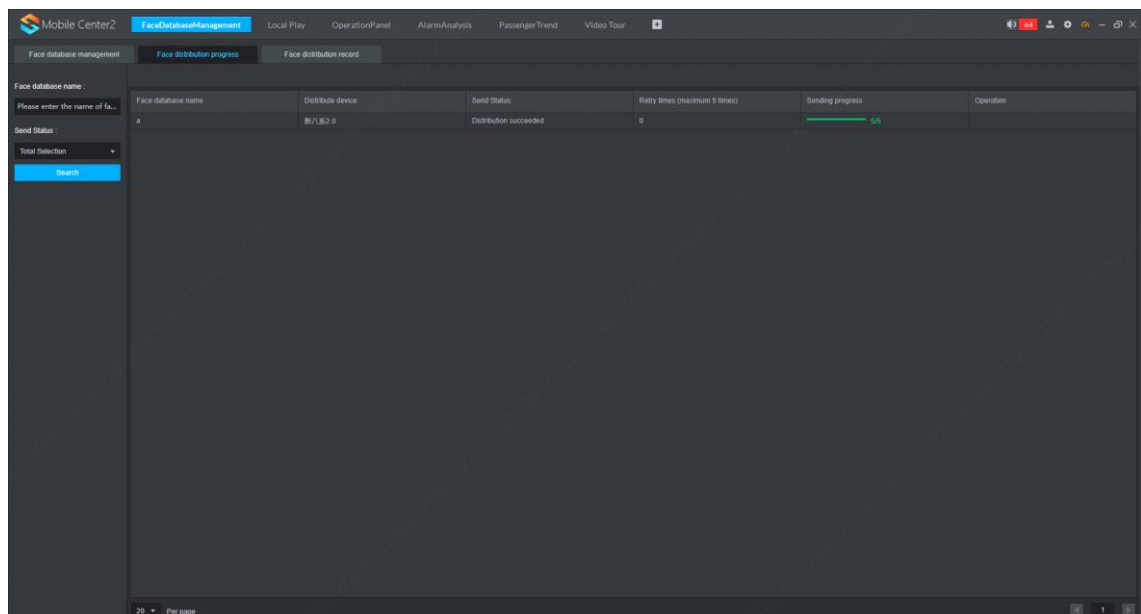
Step 4 Click **OK**, the face database is distributed.

4.14.1.2 Face distribution progress

View the face distribution progress.

Step 1 On the Homepage interface, click Face Database Management > Face Distribution Progress.

Figure 4-122 Face Distribution Progress



Step 2 Related Operations.

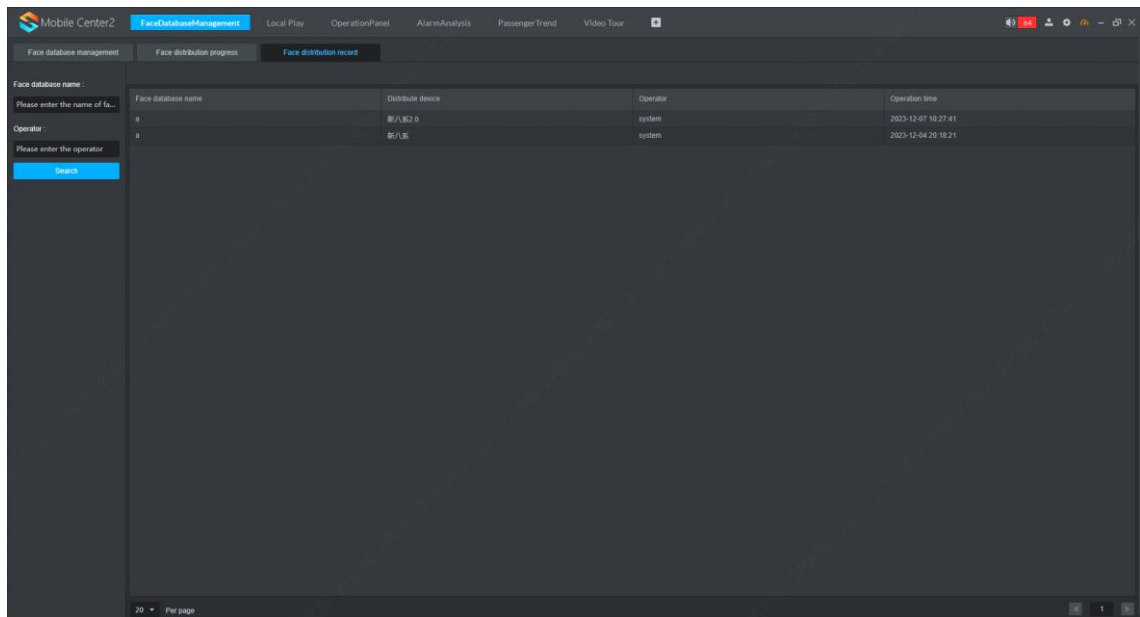
- Search: Enter Face Database Name or Send Status and click Search.
- Automatic retry: The system will automatically retry the distribution for 5 times with an interval of 5 minutes. After retrying fails, the user can click  to manually distribute.

4.14.1.3 Face Distribution Record

View the face distribution record.

Step 1 On the Homepage interface, click Face Database Management > Face Distribution Record.

Figure 4-123 Face Distribution Record



Step 2 Enter the **Face database name** and **Operator**, click **Search** to search the distribution record.



The distribution record without operator is automatically distributed by the system.

4.14.2 ANPR Database Management

Users can manage the ANPR database, view the ANPR distribution progress and ANPR distribution records here. When the device detects the license plate in the ANPR database, it triggers an alarm and reports it to the platform.

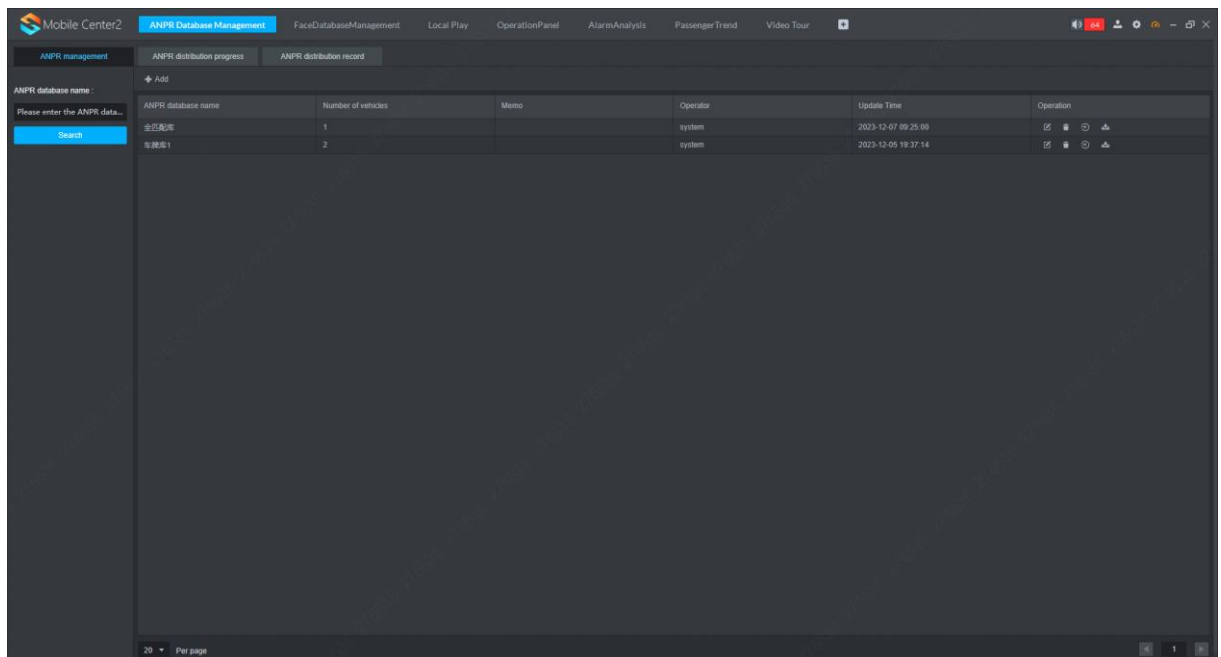
4.14.2.1 Database Management

Before distributing ANPR database information, first create an ANPR database, and then add ANPR database information to the ANPR database.

Create ANPR database

Step 1 On the Homepage interface, click **ANPR Database Management**.

Figure 4-124 ANPR Database Management



Step 2 Click Add and enter the ANPR database name to create an ANPR database.

Figure 4-125 Add ANPR database

×

Add ANPR database

ANPR database name :

Please enter the ANPR database r

Memo :

Please enter comments

OK

Cancel

Table 4-19 ANPR database operation description

Icon	Description
	Edit ANPR database name and memo.
	Delete ANPR database
	Click and the interface of adding ANPR data is displayed.
	Distribute the ANPR database to specified vehicles.

Add Vehicle to ANPR Database

Step 1 Click  on the right side of the ANPR database list.

Step 2 Click **Add** and the interface of **ANPR database** is displayed.

Figure 4-126 Adding ANPR database

×

Add ANPR database

Plate No. :

Please input Plate No..

Vehicle Type :

Please select

OK

Cancel

Step 3 Enter the vehicle **Plate No.** and **Vehicle Type**, and click **OK**.

Vehicles are added, and up to 1000 vehicles can be added.

Step 4 Related Operations.

- Search: Enter **Plate No.** on the left side of the ANPR database list and click **Search**.
- Delete: Click  in the right side of the list or click **Delete** above the list.
- Import: Click **Import**, select a vehicle information template, and import the template.

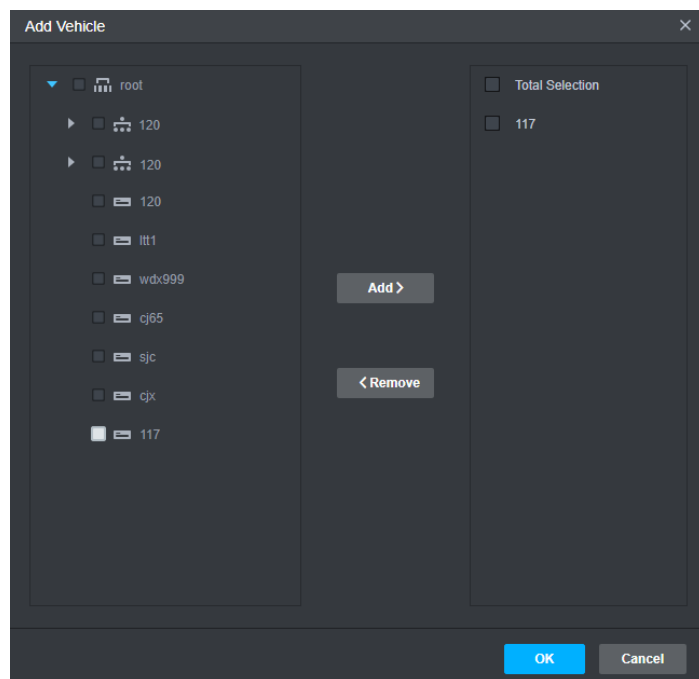
Click **Download Template** to download a template.
- Export: Click **Export** to export the ANPR database.

Distribute ANPR Database

Step 1 Click **Back** to return to the **ANPR Database Management** interface.

Step 2 Click  in the right side of the list and the **Add Vehicle** interface is displayed.

Figure 4-127 Add Vehicle



Step 3 Select vehicle from the organization list on the left, and then click **Add**.

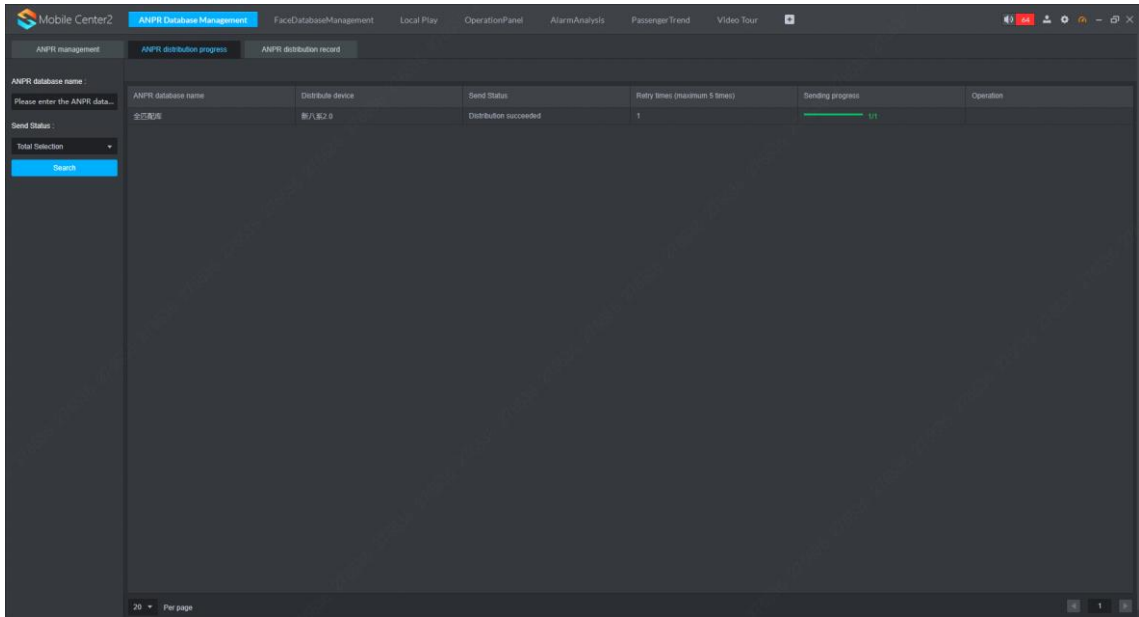
Step 4 Click **OK**, the ANPR database is distributed.

4.14.2.2 ANPR Distribution Progress

View the ANPR distribution progress.

Step 1 On the Homepage interface, click ANPR Database Management> ANPR Distribution Progress.

Figure 4-128 ANPR Distribution Progress



Step 2 Related Operations.

Search: Enter ANPR Database Name or Send Status and click Search.

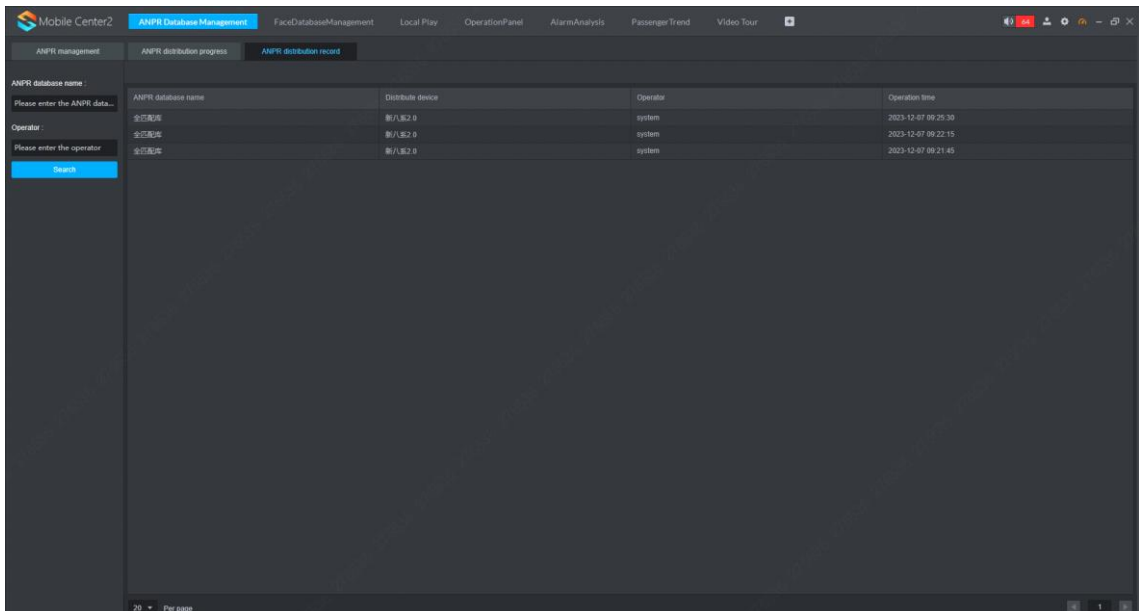
Automatic retry: The system will automatically retry the distribution for 5 times with an interval of 5 minutes. After retrying fails, the user can click  to manually distribute.

4.14.2.3 ANPR Distribution Record

View the ANPR distribution record.

Step 1 On the Homepage interface, click ANPR Database Management > ANPR Distribution Record.

Figure 4-129 ANPR Distribution Record



Step 2 Enter the **ANPR database name** and **Operator**, click **Search** to search the distribution record.



The distribution record without operator is automatically distributed by the system.

4.14.3 Line and Site Management

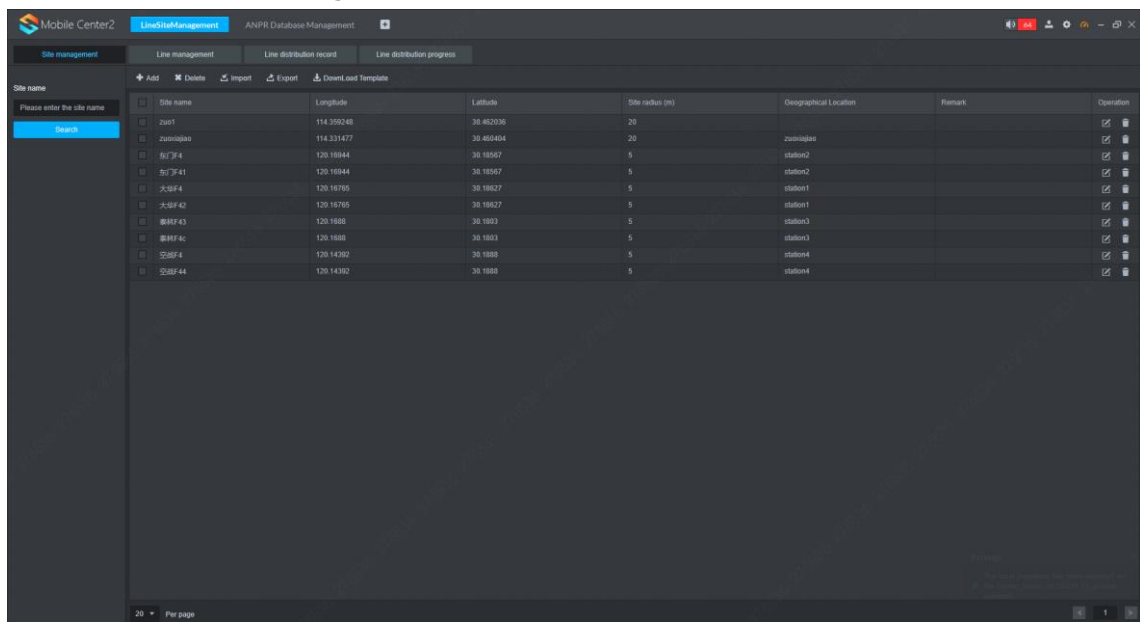
Users can manage the line and site information here, and search the line distribution progress and record.

4.14.3.1 Site Management

Add Site

Step 1 On the Homepage interface, click Line Site Management.

Figure 4-130 Line Site Management



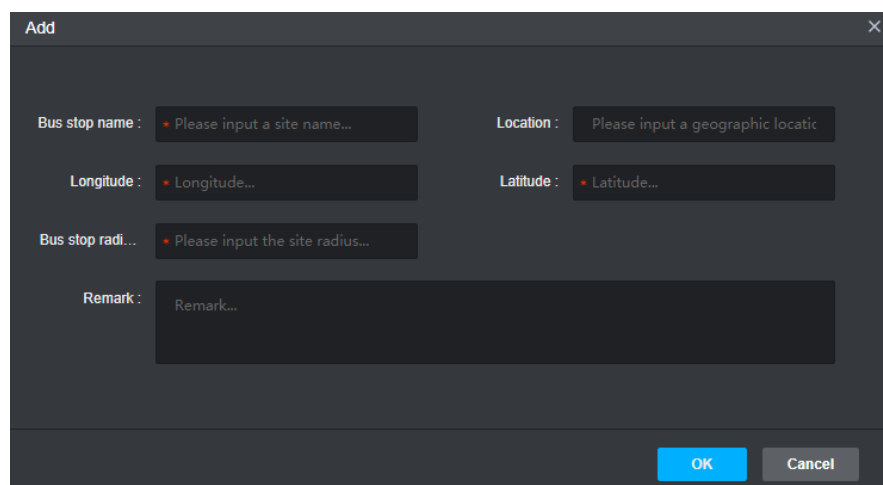
Step 2 Click **Add** and enter Bus stop name, Longitude, latitude and Bus stop radius.

Step 3 Click **OK**. Site adding is completed.



The platform supports adding up to 50000 sites.

Figure 4-131 Add sites



Related Operations

- Search: Enter **Bus stop name** on the left side of the bus stop list and click **Search**.
- Edit: Click  in the right side of the list to edit the site information.
- Delete: Click  in the right side of the list or click **Delete** above the list.
- Import: Click **Import**, select a template, and import the template.

Click **Download Template** to download a template.
- Export: Click **Export** to export the bus stop list.

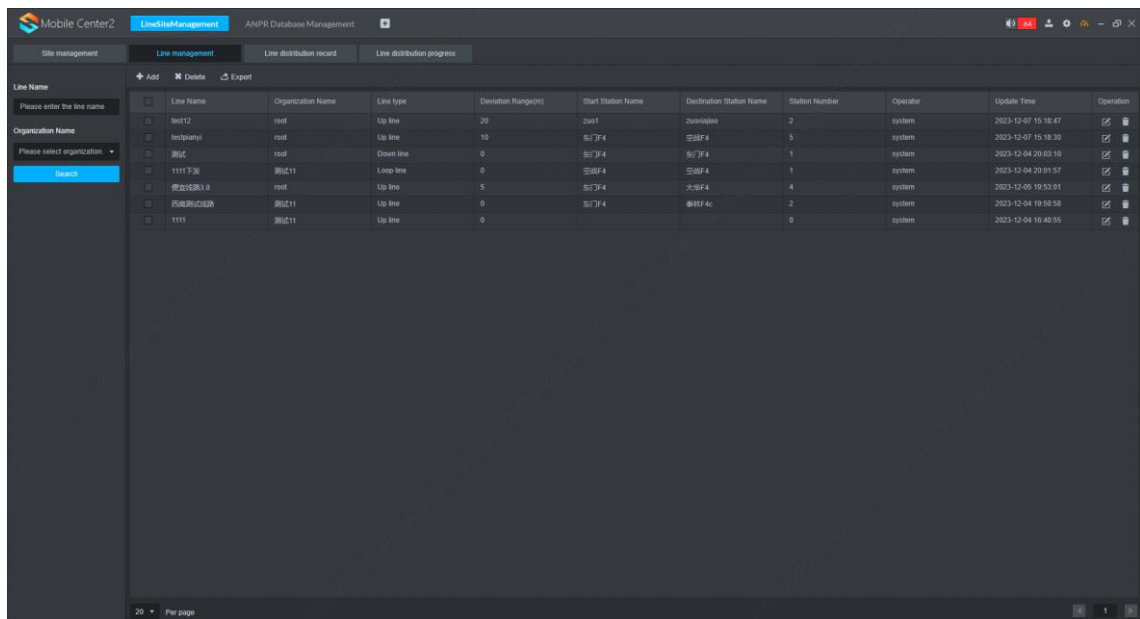
4.14.3.2 Line Management



Before adding a line, please confirm that the site has been added.

Step 1 On the Homepage interface, click Line Site Management > Line Management.

Figure 4-132 Line Management



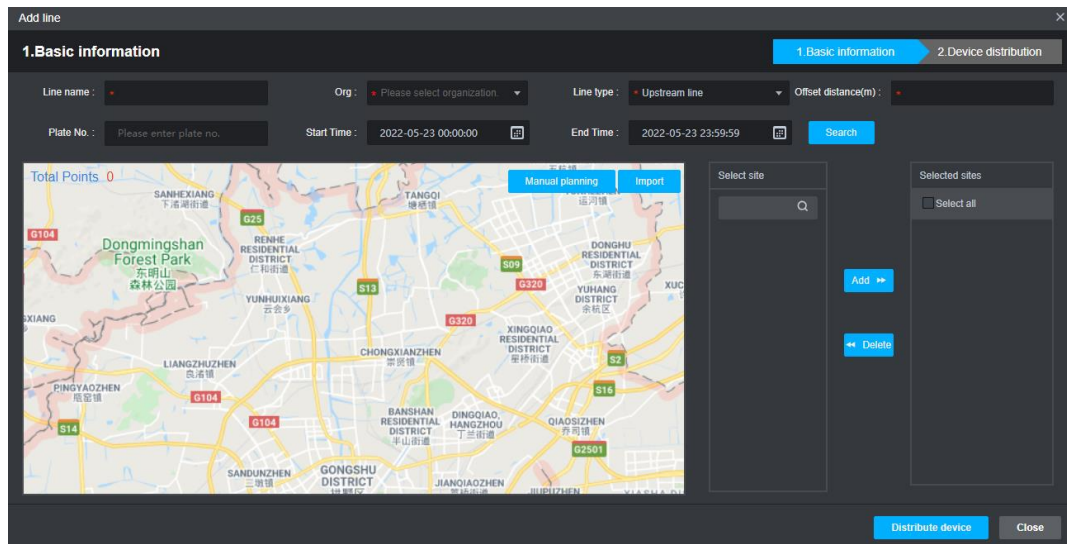
Line Name	Organization Name	Line type	Deviation Range(m)	Start Station Name	Destination Station Name	Station Number	Operator	Update Time	Operation
test12	root	Up line	20	站1	站2	2	system	2023-12-07 15:18:47	 
test123456	root	Up line	10	站1	站2	5	system	2023-12-07 15:18:30	 
测试	root	Down line	0	站1	站2	1	system	2023-12-04 20:03:10	 
1111 下	测试11	Loop line	0	站1	站2	1	system	2023-12-04 20:01:57	 
测试123456	root	Up line	5	站1	站2	4	system	2023-12-05 19:53:01	 
测试123456	测试11	Up line	0	站1	站2	2	system	2023-12-04 19:50:58	 
1111	测试11	Up line	0	站1	站2	0	system	2023-12-04 16:40:55	 

Step 2 Click **Add**. The interface **Add Line** is displayed.



The platform supports adding up to 2000 lines.

Figure 4-133 Add Line



Step 3 Enter Line name, select Organization, Line type, Start Time and End Time, Offset distance and Plate No..

Step 4 Plan line.

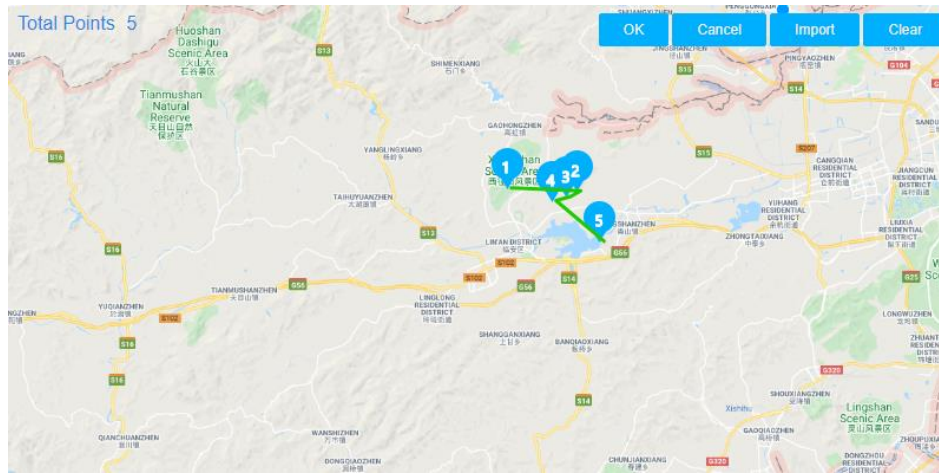
- Planning according to vehicle historical track:
 - 1) Enter the **Plate No.**, select **Start Time** and **End Time**, Click **Search**.
The system displays the GPS sites during the time. (Up to 500 sites)

Figure 4-134 GPS sites



- 2) Select the GPS site, click **Cancel** to delete the site.
- Manual planning: Click **Manual planning** and draw sites on the map. After finished, click **OK**.

Figure 4-135 Manual planning

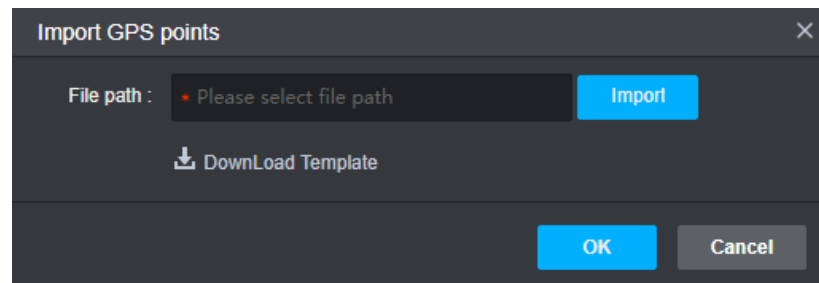


- Import template: Click **Import** and select local file, click **OK**.



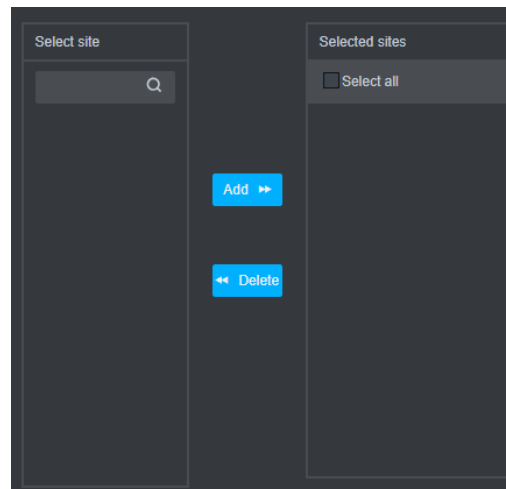
Click **Download Template** to download a template.

Figure 4-136 Import GPS points



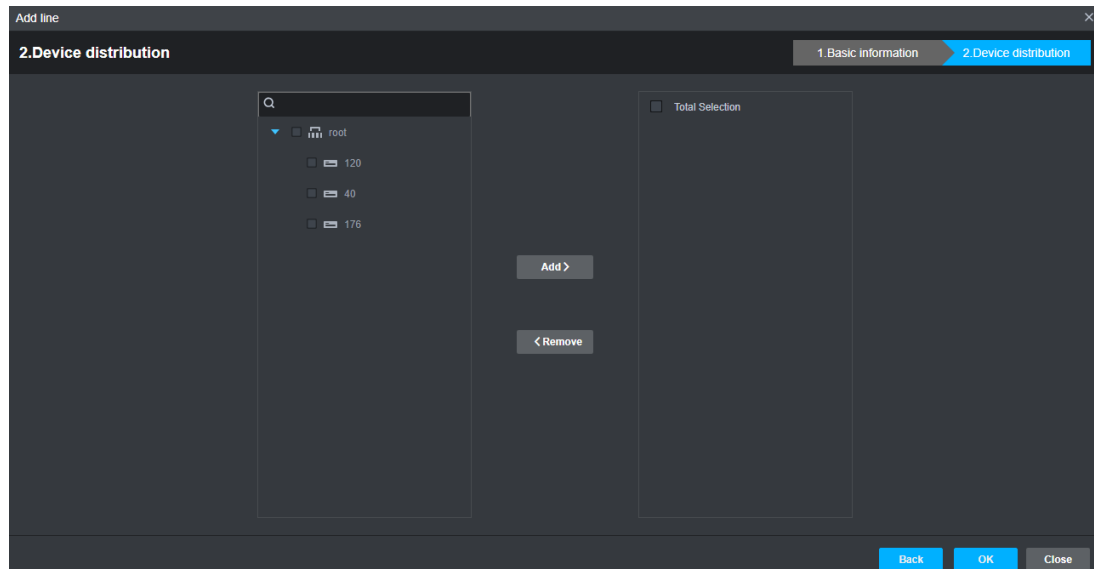
Step 5 (Optional) Add sites. Select sites on the right of the map and click **Add** to add the sites to the map.

Figure 4-137 Add sites



Step 6 Click **Distribute device** and the system displays **Device Distribution** interface.

Figure 4-138 Device Distribution



Step 7 Select vehicle from the organization list on the left, and then click **Add**.

Step 8 Click **OK**.

Related Operations

- Search: Enter **Line name** on the left side of the line list and click **Search**.
- Edit: Click  in the right side of the list to edit the site information.
- Delete: Click  in the right side of the list or click **Delete** above the list.
- Export: Click **Export** to export the line list.

4.14.3.2.1 Line Distribution Record

View the line distribution record.

Step 1 On the Homepage interface, click Line Site Management > Line Distribution Record.

Figure 4-139 Line Distribution Record

Line Name	Distribute device	Operator	Operation time
test12	parmytest	system	2023-12-07 15:10:47
testparmy	parmytest	system	2023-12-07 14:45:12
伊吉佳路1.0	新八路2.0	system	2023-12-05 19:53:01
伊吉佳路2.0	新八路2.0	system	2023-12-04 20:08:22
伊吉佳路	新八路2.0	system	2023-12-04 20:04:57
伊吉佳路	新八路2.0	system	2023-12-04 19:50:55
伊吉佳路	新八路2.0	system	2023-12-04 19:51:06
西能测试记录	新八路2.0	system	2023-12-04 19:40:46
西能测试记录	新八路2.0	system	2023-12-04 19:43:49
西能测试记录	新八路2.0	system	2023-12-04 19:40:00
西能测试记录	新八路2.0	system	2023-12-04 19:34:10

Step 2 Enter the **Line name** and **Operator**, click **Search** to search the distribution record.



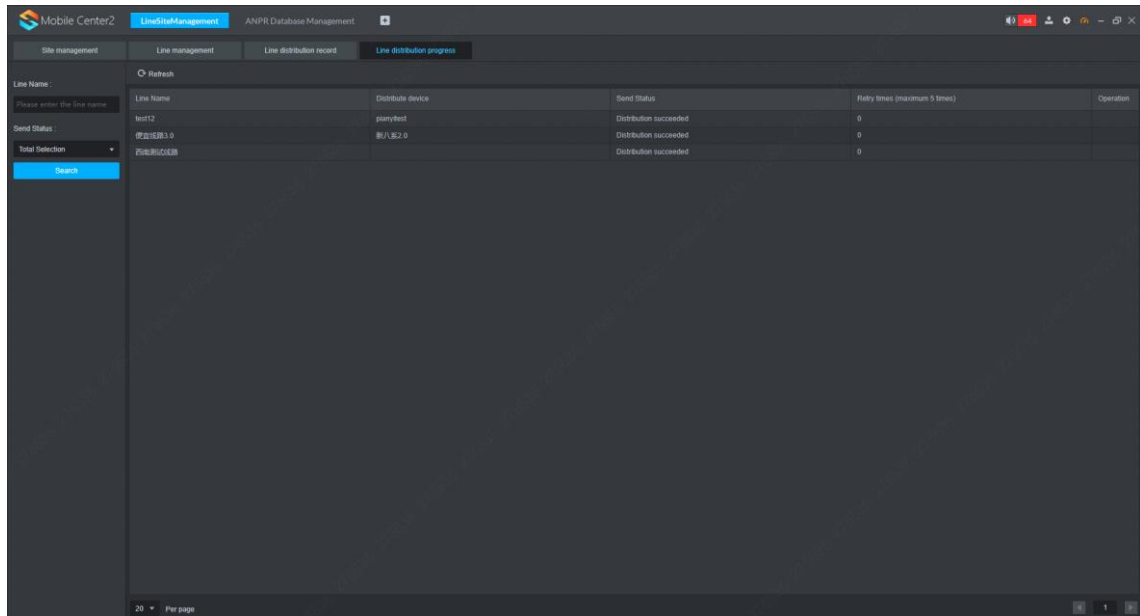
The distribution record without operator is automatically distributed by the system.

4.14.3.2.2 Line Distribution Progress

View the Line distribution progress.

Step 1 On the Homepage interface, click Line Site Management > Line Distribution Progress.

Figure 4-140 Line Distribution Progress



Step 2 Related Operations.

Search: Enter **Line Name** or **Send Status** and click **Search**.

Automatic retry: The system will automatically retry the distribution for 5 times with an interval of 5 minutes. After retrying fails, the user can click  to manually distribute.

4.15 Vehicle

View the real-time video and map changes.

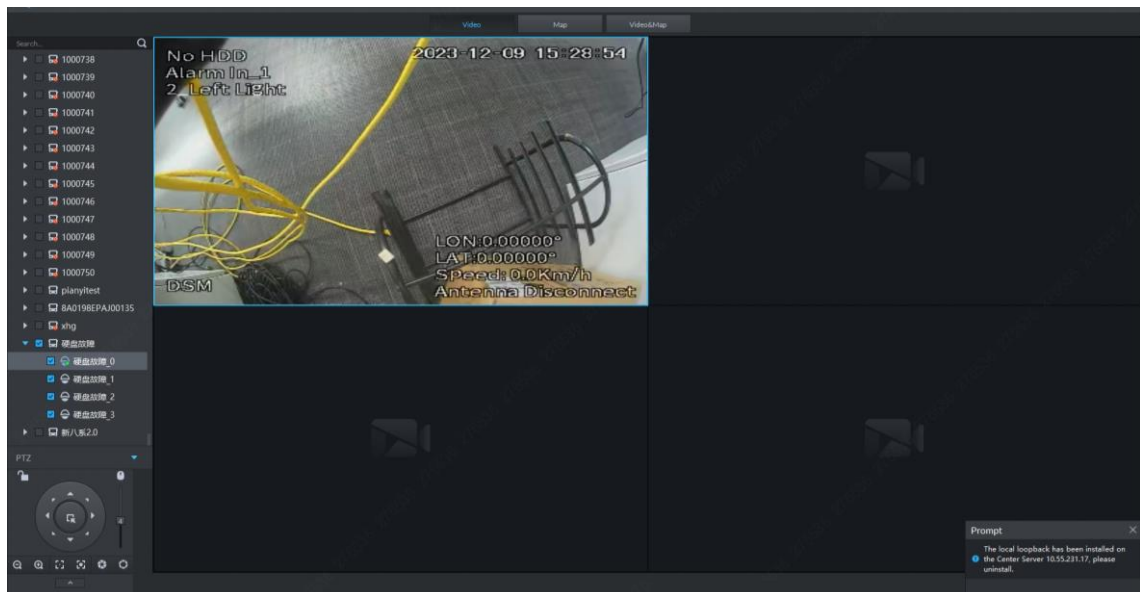
4.15.1 Video

Step 1 Select  > Vehicle.

Step 2 Click **Video**.

Step 3 In the device channel on the left, double-click and select a video device.

Figure 4-141 Video



Step 4 View the video image, split and save the video. See "4.3.2Live View".



Select a device in the device tree on the left, and right-click the device. Live view, voice intercom, main stream/sub stream, and information dissemination are displayed respectively.

4.15.2 Map

Step 1 Select  > Vehicle.

Step 2 Click **Map**. Double-click the device and the vehicle icon will be displayed on the map.

Figure 4-142 Map



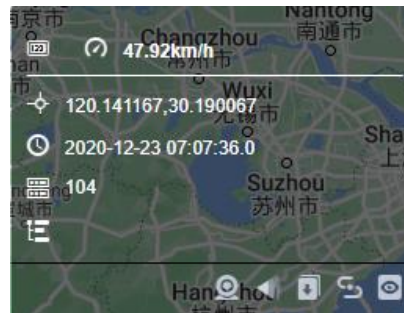
Table 4-20 Description of map parameters

No.	Parameter	Description
1	Display	Vehicle device, electronic fence, and bus stop name are available.

No.	Parameter	Description
2	Tool	- Length: Use the mouse to draw 2 points on the map to show the distance. - Area: Use the mouse to draw a region on the map to show the area. - Mark: Use the mouse to choose the marking on the map. You can set its name and notes. - Reset: Restore the map to the default position.
3	Aggregation	When two or more vehicle icons appear on the map with a pixel lower than 100,the client aggregates them to form a circle. The number of aggregated devices is displayed in the circle.

Step 3 Click the online vehicle icon  on the map.

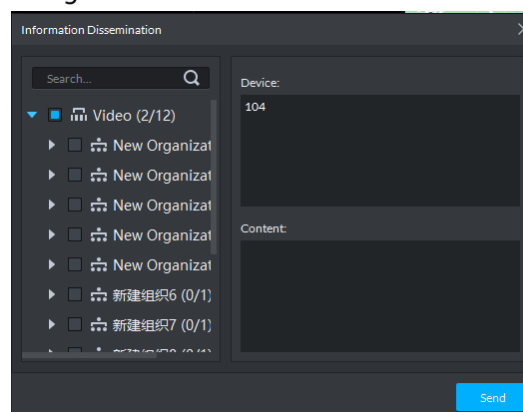
Figure 4-143 Vehicle details and operations



Perform the following operations on the vehicle details.

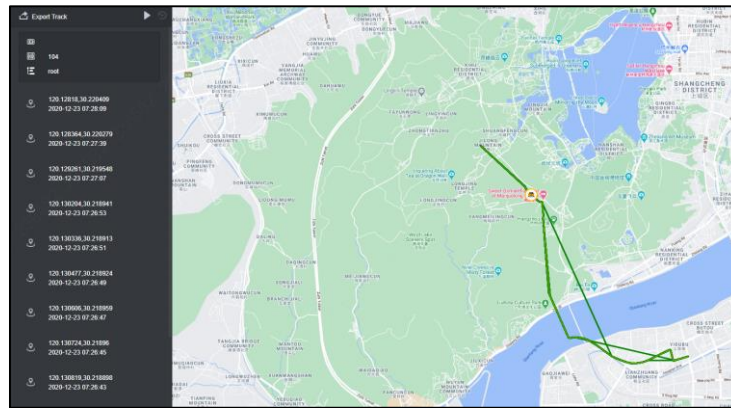
- Click  to monitor the vehicle, and click Exit to exit the monitoring.
- Click  to enable the voice intercom function.
- Click  to send command to vehicle devices. You can select devices in the device tree on the left.

Figure 4-144 Send commands



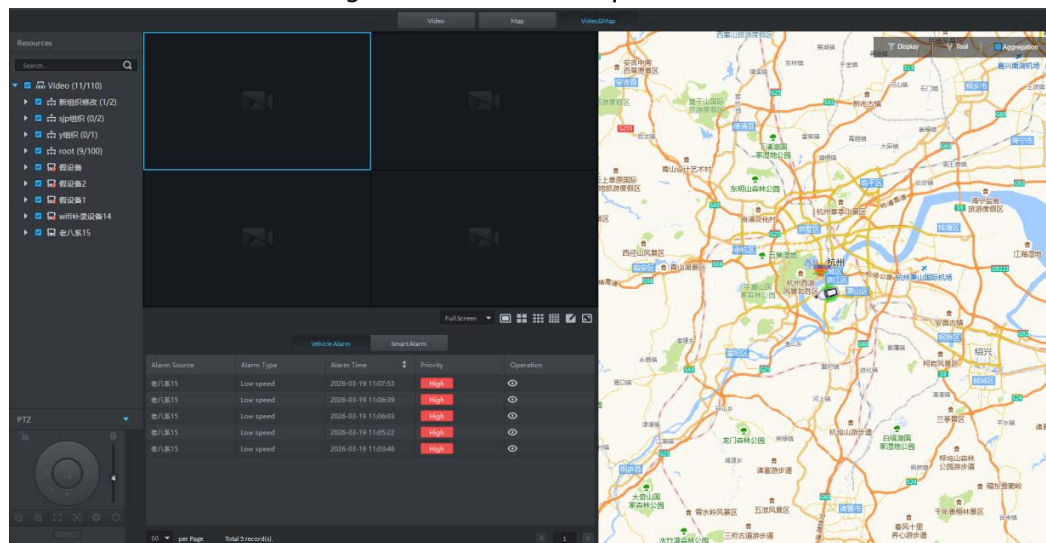
- Click  to view the vehicle track.

Figure 4-145 View vehicle tracks



- Click  to jump to the **Video & Map** interface, and you can view live video and live location of the vehicle.

Figure 4-146 Video & Map



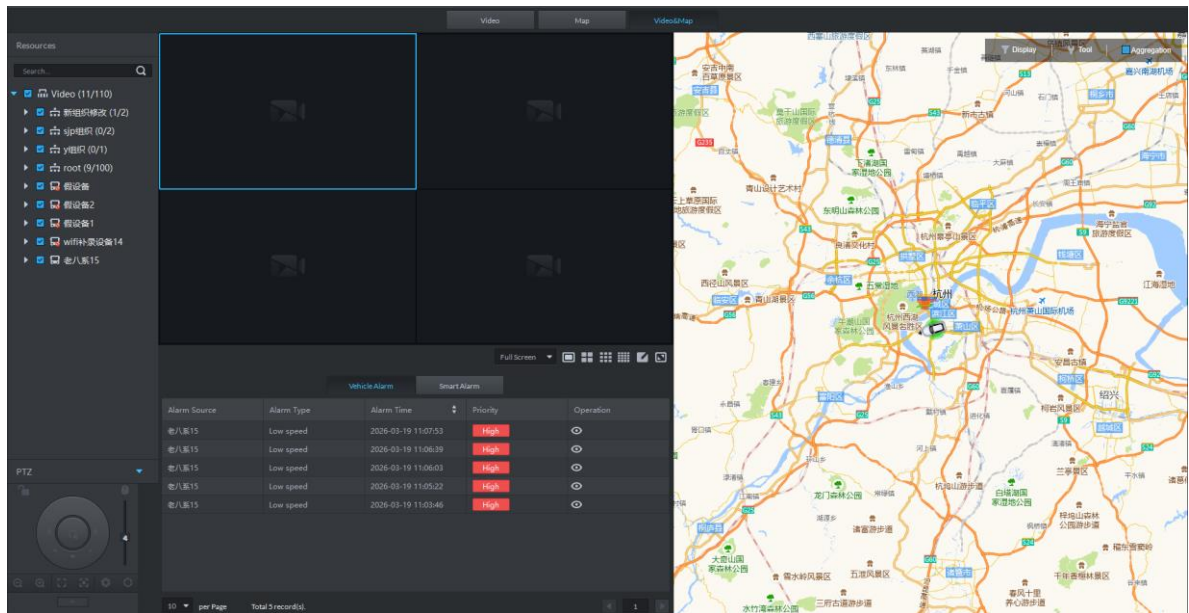
4.15.3 Video and Map

The vehicle video image, position information, and alarm information can be displayed simultaneously.

Procedure

- Step 1** Select  > Vehicle.
- Step 2** Click Video & Map.
- Vehicle Alarm:** Display different types of alarm information.
 - Smart Alarm:** Display information of smart alarms.

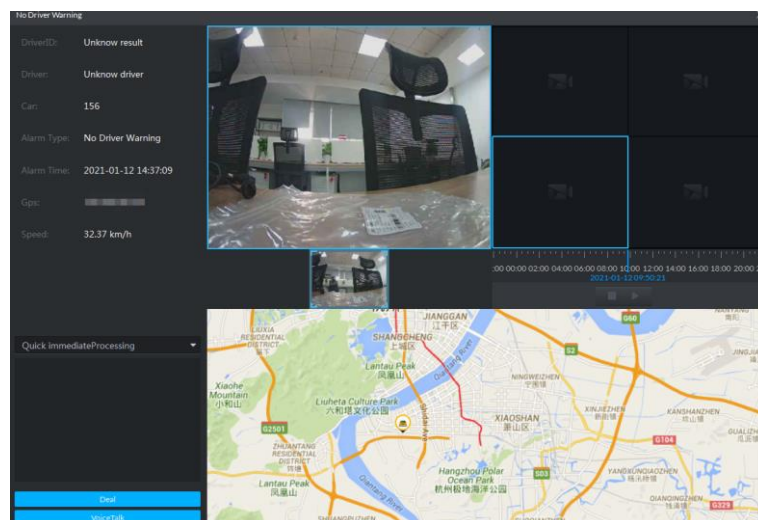
Figure 4-147 Video and Map



Step 3 Click **Smart Alarm** (example).

Step 4 Click  in **Operation** column to display the alarm type.

Figure 4-148 Alarm type details



Related Operations

- On the alarm type interface, click  to stop or start playing records.
- Click **Voice Talk** to enable this function.

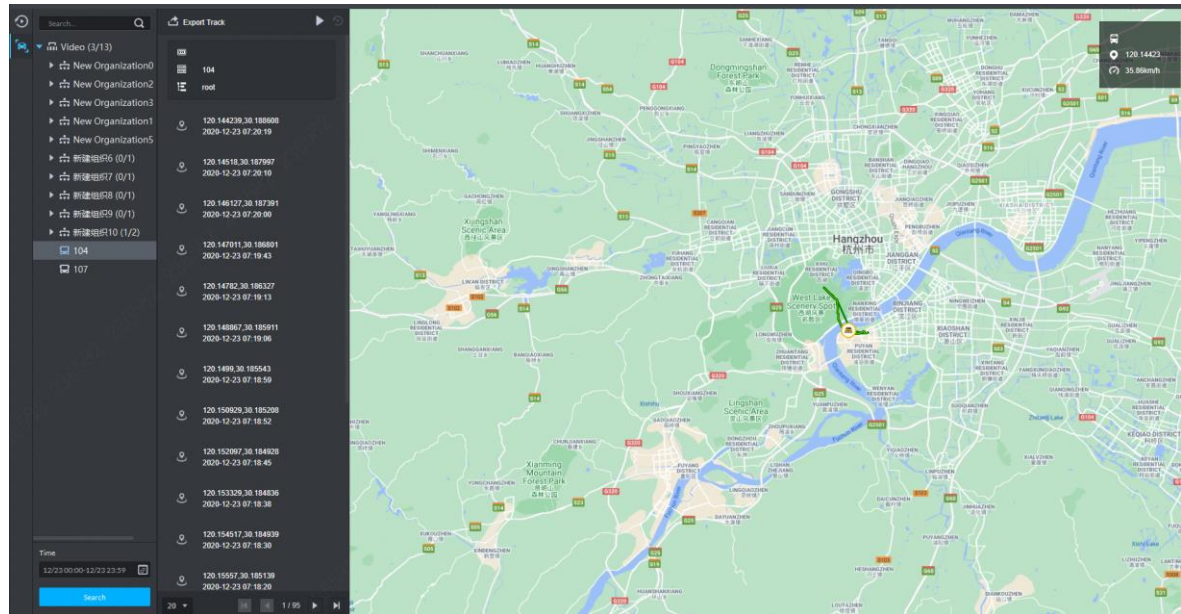
4.16 Vehicle Playback

Allow for playback of device recording and server recording, track playback, and searching for history tracks.

Recording playback and track playback are available. For recording playback, see "4.4.3 Recording Playback".

- Step 1** Select  > Vehicle Playback > Track Playback.
- Step 2** Select a channel in the device tree.
- Step 3** Select the date and recording storage location.
- Step 4** Click **Search**.

Figure 4-149 Track



Related Operations

Export Track: Click  **Export Track** to export alarm information and GPS information to local.

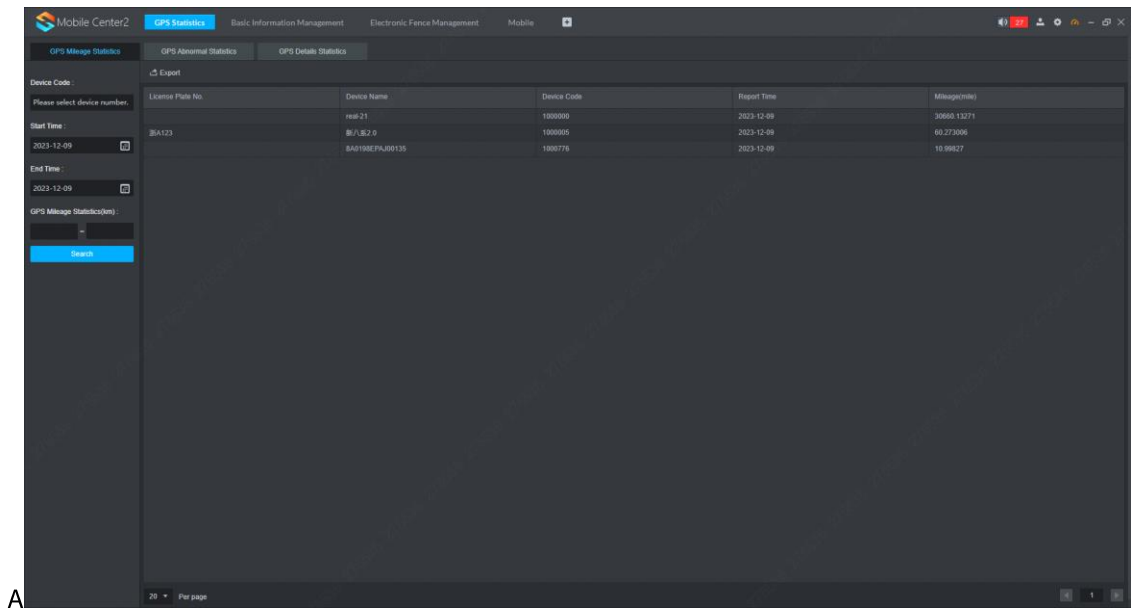
4.17 GPS Statistics

Query GPS statistics information, including GPS mileage statistics, GPS abnormal statistics, and GPS details statistics. Users can set search conditions to search and export information. This section uses GPS mileage statistics as an example to describe how to search and export information.

Procedure

- Step 1** Select  > GPS Statistics > GPS Mileage Statistics.
- Step 2** Select **Device Code**, **Start Time/End Time** and the range of GPS mileage.
- Step 3** Click **Search**.

Figure 4-150 GPS Statistics



Related Operations

Export: Click  to export alarm information and GPS information to local.

4.18 Video Tour

The function is used to add video tour tasks.

Procedure

Step 1 Select  > Tour Config.

Step 2 Click Add Task.



One window can be bound with up to 20 video channels.

Figure 4-151 Video Tour

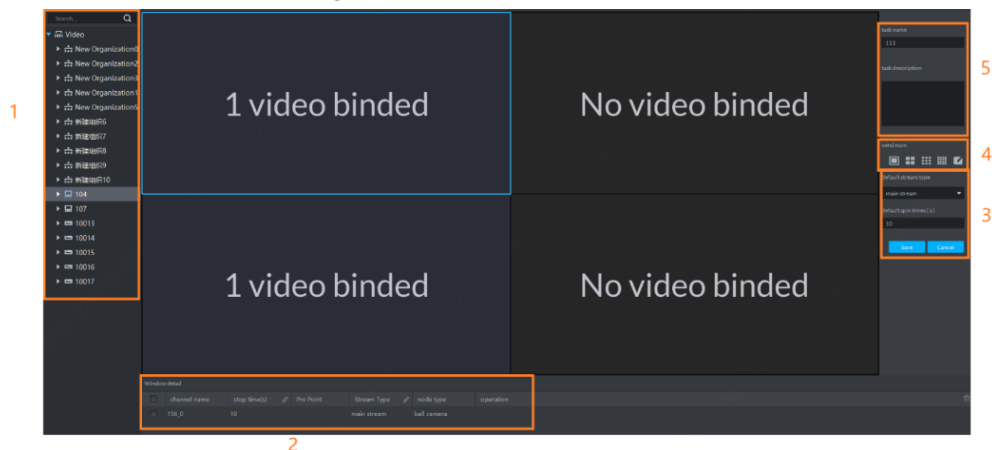


Table 4-21 Description of tour parameters

No.	Parameter	Description
1	Device tree	- The device tree shows devices and their channels. To select an online device, double-click or drag it to display on the window. - Search by device name or channel name.
2	Window detail	Window details include channel name, stop time, pre point, stream type, node type, and operation. Double-click the corresponding operation column to edit the parameters.
3	Default settings	Set the default stream type and spin times.  Settings in this window apply to monitored points that are not selected. The selected parameters need to be modified in window details.
4	Window split	1/4/9/16 split or custom split mode are available.
5	Task information	Set the name and description of video tour task.

Step 3 Click **Save**.

Figure 4-152 Add Task

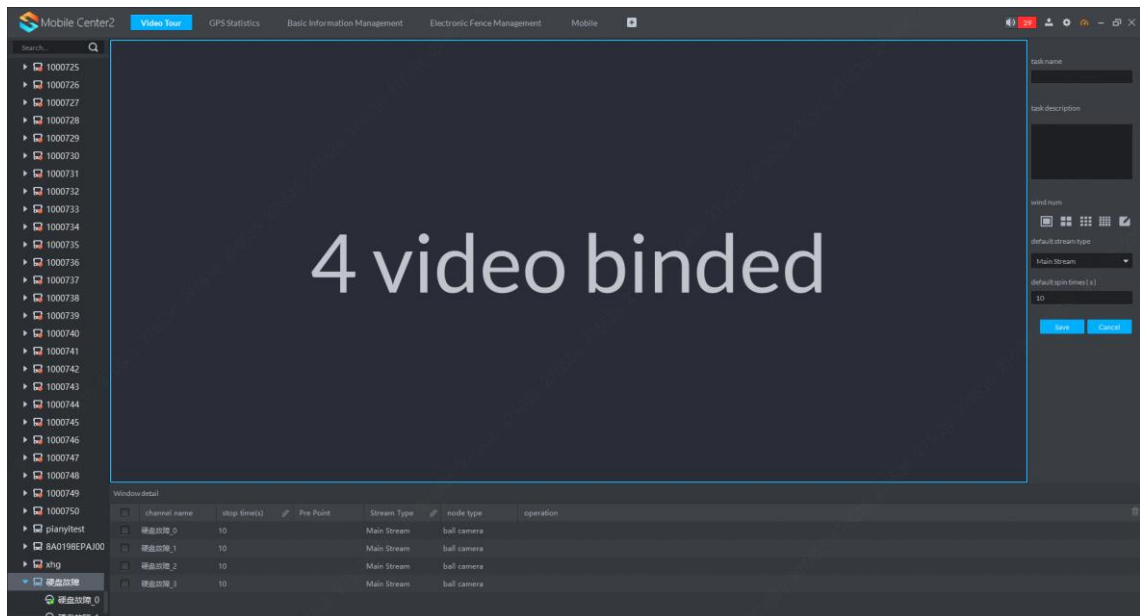
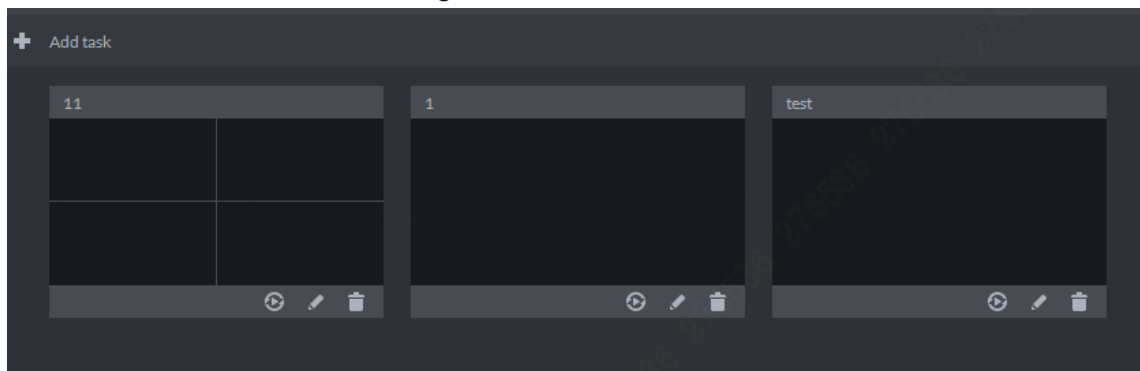


Figure 4-153 Task



Related Operations

- Click  to adjust the sequence.
- Click  to start touring; click  to stop touring.
- Click  to modify the stop time and stream type of all channels under this window.
- Click  to delete tour.

4.19 Passenger Trend

You can view number of passengers and people flow details, and analyze flow trend.

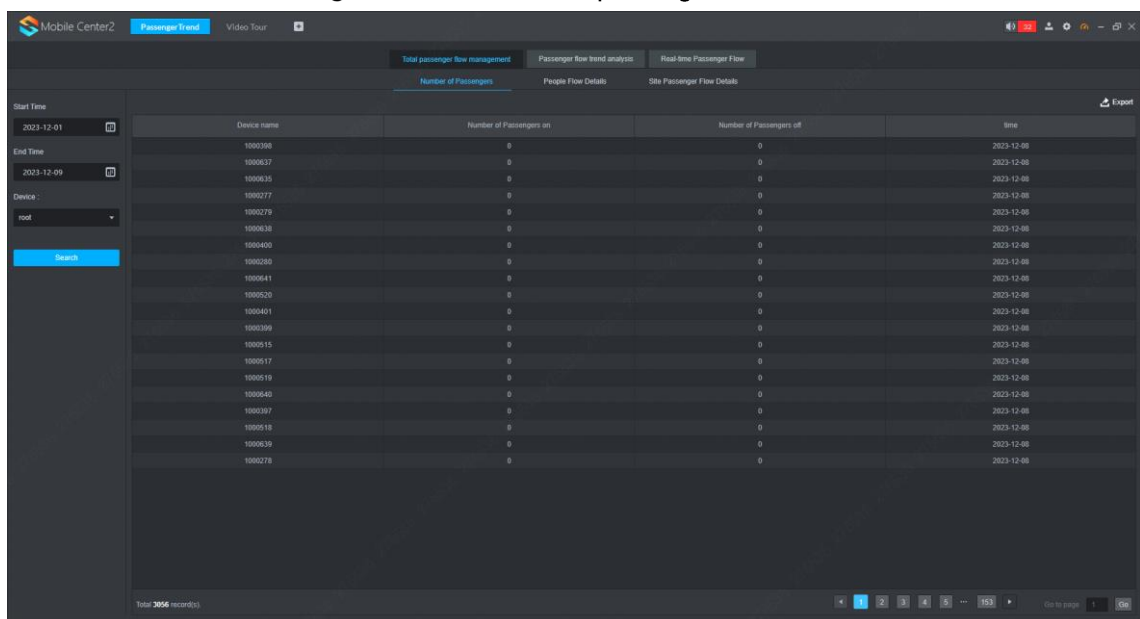
4.19.1 Total Passenger Flow Management

You can view number of passengers, people flow details and site passenger flow details.

Number of Passengers

- Step 1** Select  > Passenger Trend > Total Passenger Flow Management.
- Step 2** Click Number of Passengers, select Start Time, End Time and Device on the left side.
- Step 3** Click **Search**.

Figure 4-154 Number of passengers



Device name	Number of Passengers on	Number of Passengers off	time
1000306	0	0	2023-12-08
1000637	0	0	2023-12-08
1000635	0	0	2023-12-08
1000277	0	0	2023-12-08
1000279	0	0	2023-12-08
1000636	0	0	2023-12-08
1000400	0	0	2023-12-08
1000280	0	0	2023-12-08
1000641	0	0	2023-12-08
1000520	0	0	2023-12-08
1000401	0	0	2023-12-08
1000309	0	0	2023-12-08
1000515	0	0	2023-12-08
1000517	0	0	2023-12-08
1000519	0	0	2023-12-08
1000540	0	0	2023-12-08
1000387	0	0	2023-12-08
1000518	0	0	2023-12-08
1000639	0	0	2023-12-08
1000278	0	0	2023-12-08

People Flow Details

- Step 1** Select  > Passenger Trend > Total Passenger Flow Management.

Step 2 Click **People Flow Details**, and select **Start Time**, **End Time** and **Device** on the left side.

Step 3 Click **Search**.

Figure 4-155 People flow details

Device name	Number of Passengers on	Number of Passengers off	time
1000398	0	0	2023-12-08
1000637	0	0	2023-12-08
1000635	0	0	2023-12-08
1000277	0	0	2023-12-08
1000278	0	0	2023-12-08
1000638	0	0	2023-12-08
1000400	0	0	2023-12-08
1000280	0	0	2023-12-08
1000641	0	0	2023-12-08
1000520	0	0	2023-12-08
1000401	0	0	2023-12-08
1000399	0	0	2023-12-08
1000515	0	0	2023-12-08
1000517	0	0	2023-12-08
1000519	0	0	2023-12-08
1000540	0	0	2023-12-08
1000397	0	0	2023-12-08
1000518	0	0	2023-12-08
1000639	0	0	2023-12-08
1000276	0	0	2023-12-08



The number of passengers on the current day is not available.

Site Passenger Flow Details

Step 1 Select > Passenger Trend > Total Passenger Flow Management.

Step 2 Click Site Passenger Flow Details, and select Start Time, End Time, Device and Site name on the left side.

Step 3 Click **Search**.

Figure 4-156 Site Passenger Flow Details

Device name	Line name	Bus Stop Name	Number of Passengers on	Number of Passengers off	Report Position	Report Time
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 16:00:14
新八里2.0	崇文线路3.0	崇文42	0	0	120.168000.30.180360	2023-12-09 15:50:58
新八里2.0	崇文线路3.0	东门4	0	0	120.169440.30.165670	2023-12-09 15:37:01
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 15:29:08
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 15:16:49
新八里2.0	崇文线路3.0	崇文42	0	0	120.168000.30.180360	2023-12-09 14:55:38
新八里2.0	崇文线路3.0	东门4	0	0	120.169440.30.165670	2023-12-09 14:47:45
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 14:37:25
新八里2.0	崇文线路3.0	崇文42	0	0	120.168000.30.180360	2023-12-09 14:28:11
新八里2.0	崇文线路3.0	东门4	0	0	120.169440.30.165670	2023-12-09 14:14:16
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 14:06:23
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 13:56:04
新八里2.0	崇文线路3.0	崇文42	0	0	120.168000.30.180360	2023-12-09 13:46:58
新八里2.0	崇文线路3.0	东门4	0	0	120.169440.30.165670	2023-12-09 13:32:54
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 13:22:06
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 13:14:40
新八里2.0	崇文线路3.0	崇文42	0	0	120.168000.30.180360	2023-12-09 13:09:27
新八里2.0	崇文线路3.0	东门4	0	0	120.169440.30.165670	2023-12-09 12:51:24
新八里2.0	崇文线路3.0	大里4	0	0	120.167650.30.186270	2023-12-09 12:43:31

Related Operations

Click **Export** to export the screenshot of the current report to local.

4.19.2 Passenger Flow Trend Analysis

You can view line passenger flow trend and site traffic trends.

Line passenger flow trend

Step 1 Select  > Passenger Trend > Passenger flow trend analysis.

Step 2 Click **Line passenger flow trend**, select the query type, query time, and line name.
Search data on a daily, weekly, monthly, or yearly basis



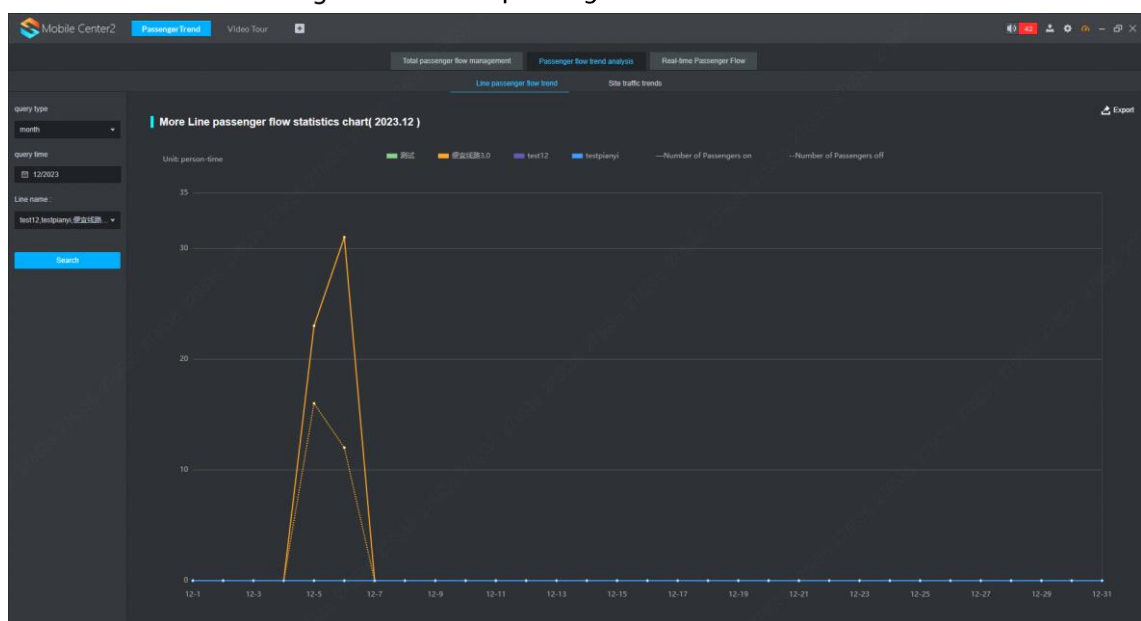
- Up to 4 lines are displayed.
- The line passenger flow trend on the current day is not available.

Step 3 Click **Search**.



Move the mouse over a node in the statistical graph, and the number of passengers on and off is displayed.

Figure 4-157 Line passenger flow trend



Site traffic trends

Step 1 Select  > Passenger Trend > Passenger flow trend analysis.

Step 2 Click **Site traffic trends**, and select query type, query time, and Line name on the left.
Search data on a daily, weekly, monthly, or yearly basis



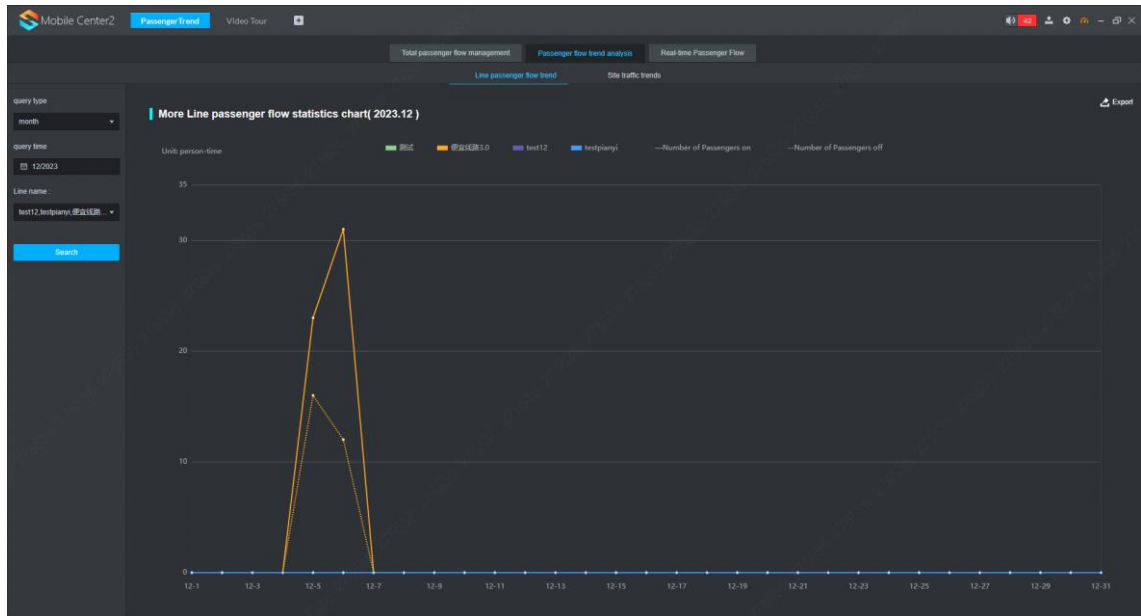
- Only one of site traffic trends is displayed.
- The site traffic trends on the current day are not available.

Step 3 Click **Search**.



Move the mouse over a node in the statistical graph, and the number of passengers on and off is displayed.

Figure 4-158 Site traffic trends



Related Operations

Click **Export** to export the screenshot of the current report to local.

4.19.3 Real-time Passenger Flow

Search the actual number of people in the car within a certain period of time.

Step 1 Select  > Passenger Trend > Real-time Passenger Flow.

Step 2 Select Start Time, End Time and Device on the left.

Step 3 Click **Search**.

Figure 4-159 Real-time Passenger Flow

Device name	License Plate No.	Load Standard	Actual Number	Time
新八路2.0	JSA123	15	0	2023-12-09 16:10:35
新八路2.0	JSA123	15	0	2023-12-09 16:00:14
新八路2.0	JSA123	15	0	2023-12-09 15:50:58
新八路2.0	JSA123	15	0	2023-12-09 15:37:01
新八路2.0	JSA123	15	0	2023-12-09 15:29:08
新八路2.0	JSA123	15	0	2023-12-09 15:18:49
新八路2.0	JSA123	15	0	2023-12-09 15:08:35
新八路2.0	JSA123	15	0	2023-12-09 14:55:38
新八路2.0	JSA123	15	0	2023-12-09 14:47:45
新八路2.0	JSA123	15	0	2023-12-09 14:37:25
新八路2.0	JSA123	15	0	2023-12-09 14:28:11
新八路2.0	JSA123	15	0	2023-12-09 14:14:16
新八路2.0	JSA123	15	0	2023-12-09 14:06:23
新八路2.0	JSA123	15	0	2023-12-09 13:56:04
新八路2.0	JSA123	15	0	2023-12-09 13:48:50
新八路2.0	JSA123	15	0	2023-12-09 13:32:54
新八路2.0	JSA123	15	0	2023-12-09 13:25:00
新八路2.0	JSA123	15	0	2023-12-09 13:14:40
新八路2.0	JSA123	15	0	2023-12-09 13:05:27
新八路2.0	JSA123	15	0	2023-12-09 12:51:24

Step 4 Click **Export** to export the screenshot of the current report to local.

4.20 Alarm Analysis

Alarm data is displayed in diagram. You can view **Vehicle security alarm**, **Driver safety alarm**, **Organize security alarm**, and **Alarm processing status**.

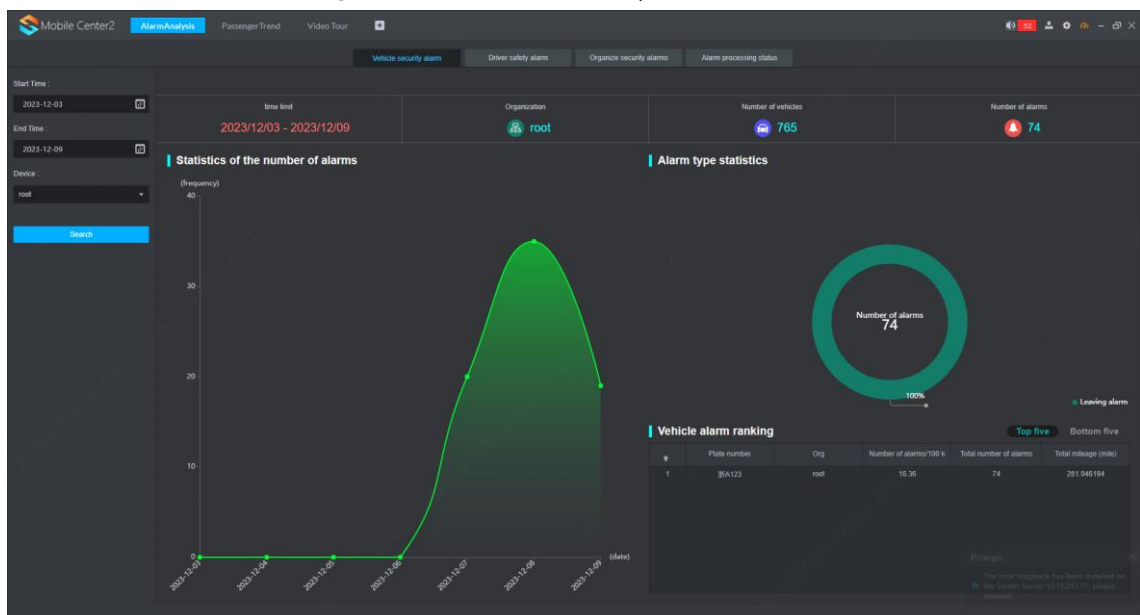
Procedure

Step 1 Select  > Alarm Analysis.

Step 2 Select the start time, end time and device. For example, you can view the **Vehicle security alarm**.

Step 3 Click **Search**.

Figure 4-160 Vehicle security alarm



Mobile Center

Alarm/Analysis
 Passenger Trend
 Video Tour

Vehicle security alarm

Driver safety alarm

Organise security alarms

Alarm processing status

Start Time : 2023-12-03
 End Time : 2023-12-09
 Device : root

time limit : 2023/12/03 - 2023/12/09
 Organization : root
 Number of vehicles : 765
 Number of alarms : 74

Statistics of the number of alarms

Alarm type statistics

Vehicle alarm ranking

	Plate number	Org	Number of alarms/100 k	Total number of alarms	Total mileage (mile)
1	京A123	root	16.36	74	281 040 104

Mobile Center Alarm Analysis

Start Time: 2023-12-03
End Time: 2023-12-09
Organization: root

Statistics of the number of alarms

Time limit: 2023/12/03 - 2023/12/09
Organization: root
Number of drivers: 1
Number of alarms: 628

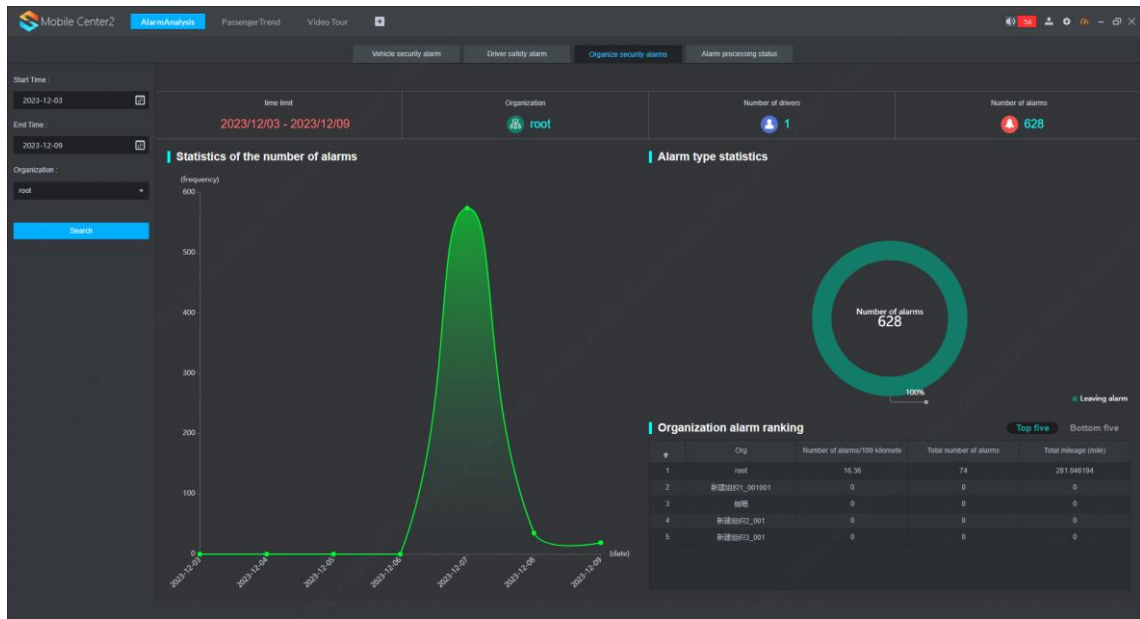
Alarm type statistics

Number of alarms: 628
100% Leaving alarm

Organization alarm ranking

	Org	Number of alarms/100 kilometers	Total number of alarms	Total mileage (mile)
1	root	16.36	74	281,046,194
2	新建组织1_001001	0	0	0
3	新组	0	0	0
4	新建组织2_001	0	0	0
5	新建组织3_001	0	0	0

Figure 4-163 Alarm processing status



4.21 Operation Panel

The statistical analysis, violation information and alarm information collected by the device are displayed in bar chart and line chart.

Step 1 Select  > Operation Panel.



All data of the current month is collected, excluding the data of the current day.

- The vehicle amount, online vehicle amount, online vehicle rate, driving mileage, total drivers and total alarms are displayed on the first row of the interface.



Vehicle statistics refer to the number of devices bound to the vehicles.

- Move the cursor to the diagram to display the details.
- The operation panel only shows data and analysis result of the current day, and refreshes every 5 minutes.

Figure 4-164 Operation Board

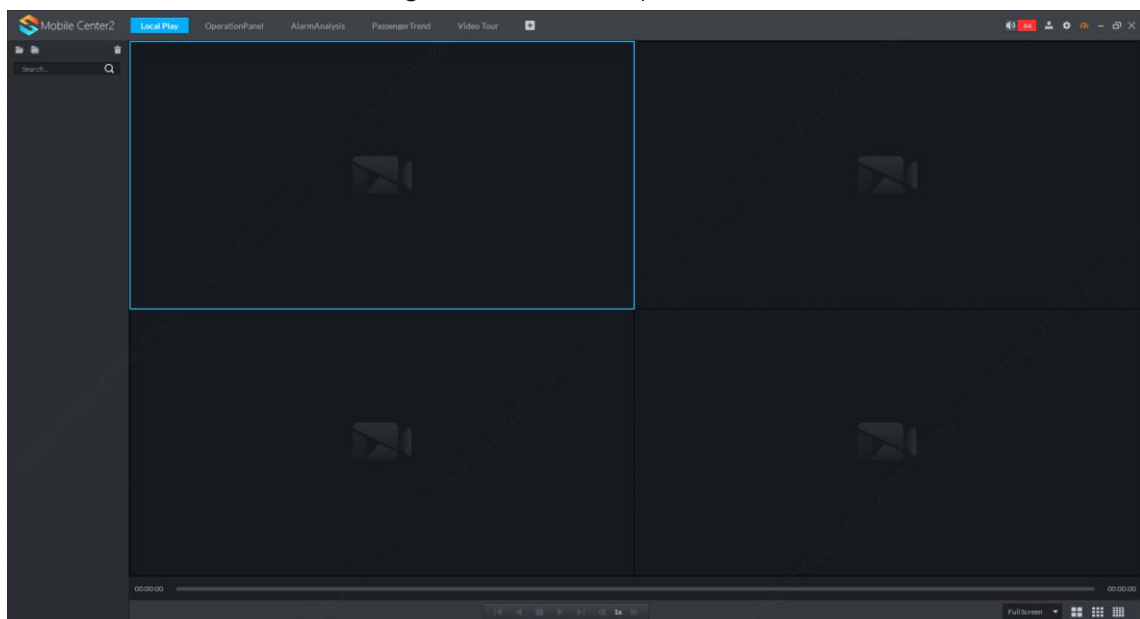


4.22 Local Play

Play locally stored video files on the client.

Step 1 On the Homepage, select Local Play.

Figure 4-165 Local Play



Step 2 Select a local video file to add to the playlist.

- Add a single video: click and select a local video to add to the playlist.
- Add video file: click and select a local video file to add all the video in the file to the playlist.

Step 3 Double click the added video, and the video is played.

In the window splitting mode, select a window and double-click the video to play the video in this window.

Table 4-22 Local play interface description

Icon	Description
	Delete video.
	Stop/pause playing video.
	Single frame play/ Single frame playback
	Accelerate/decelerate play by up to 64 times.
	Used to set the window split mode. You can select window split modes of 4, 9 or 16.

4.23 Client Time Sync

Client time sync means the client syncs time with the platform server. The system time of the platform server is taken as the reference time. Automatic time sync and manual time sync are both provided. In manual time sync mode, you can send a time sync request and the system immediately responds to execute time sync. In automatic time sync mode, the system automatically starts time sync at a fixed period or time.

4.23.1 Automatic Time Sync

Step 1 Log in to PC client.

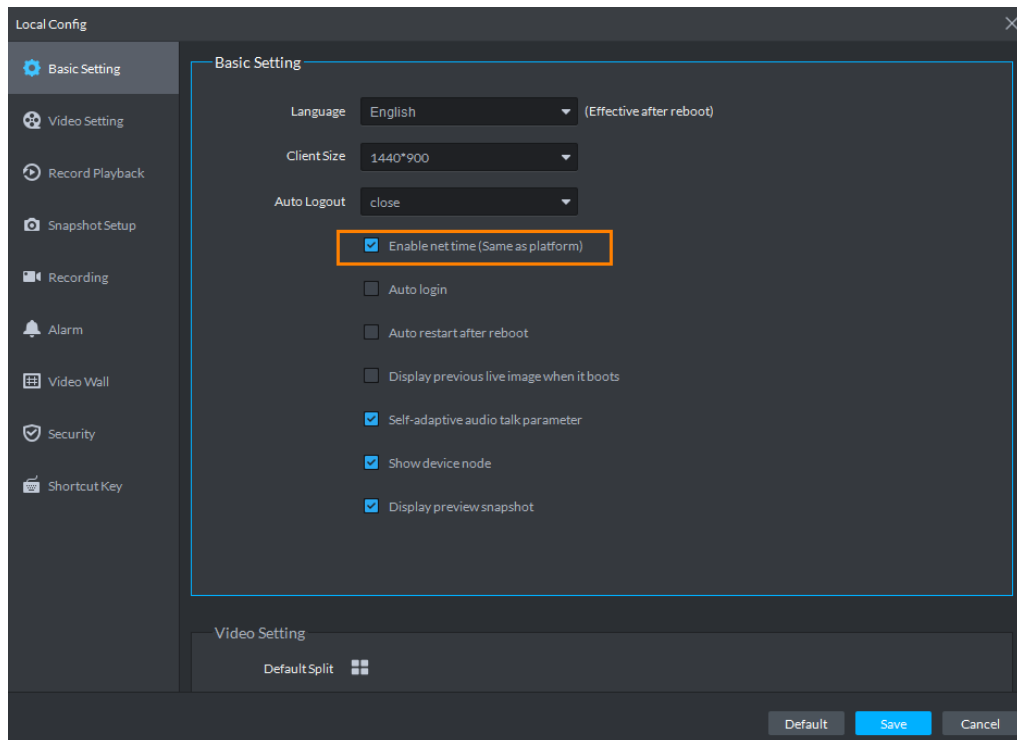
Step 2 Click  at the upper right corner of the interface and select **Local Config**.

Step 3 Click the **Basic Setting** tab, check the Enable net time (Same as platform) checkbox, and then click **Save**.



If you check the Enable net time (Same as platform) checkbox on the Local Config interface, the client immediately sends a time sync request to the server to complete time sync.

Figure 4-166 Enabling net time

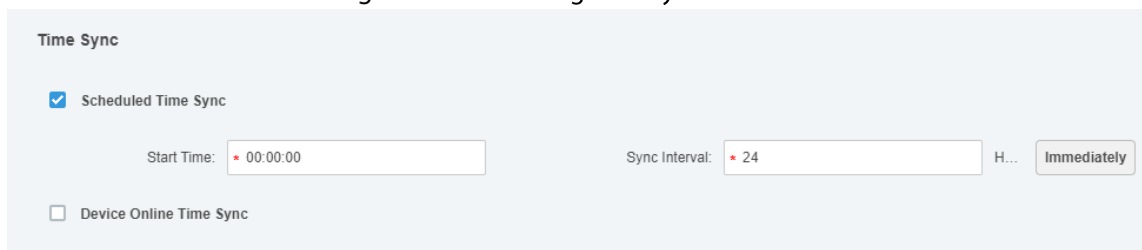


Step 4 Click **Save**.

Step 5 Log in to the WEB Manager, click , and then select **System**.

Step 6 Click **Time Sync**, select the **Scheduled Time Sync** checkbox, and then set the time sync parameters.

Figure 4-167 Starting time sync



Step 7 Click **Save** to save the configuration.

4.23.2 Manual Time Sync

Step 1 Log in to PC client.

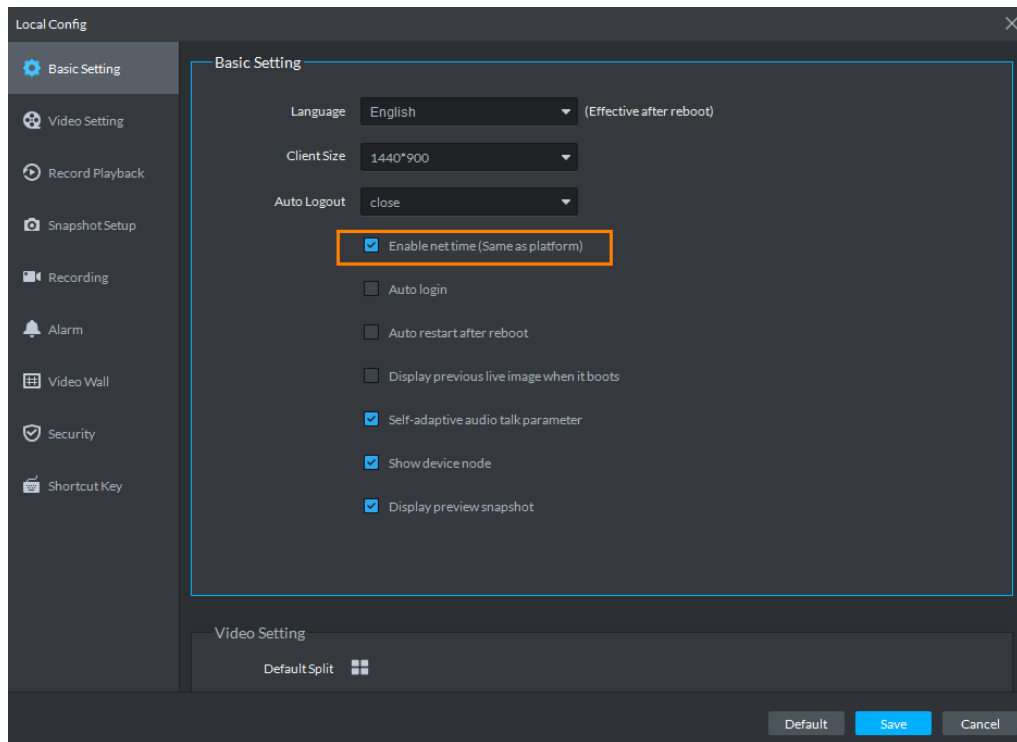
Step 2 Click  at the upper right corner of the interface and select **Local Config**.

Step 3 Click the **Basic Setting** tab, check the Enable net time (Same as platform) checkbox, and then click **Save**.



If you check the Enable net time (Same as platform) checkbox on the Local Config interface, the client immediately sends a time sync request to the server to complete time sync.

Figure 4-168 Enabling net time

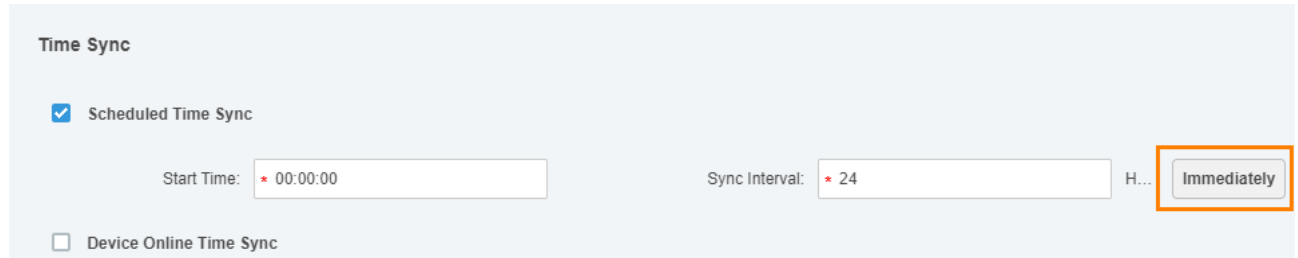


Step 4 Click **Save**.

Step 5 Log in to the WEB Manager, click , and then select **System**.

Step 6 Click Immediately.

Figure 4-169 Immediate time sync



Step 7 Click **Save** to save the configuration.

4.24 Remote Operation Maintenance

Users can read parameters of connected terminal devices on the platform, such as delay shutdown, speed coefficient, and license plate information. They can also directly set and issue synchronous parameter information to the devices.

4.24.1 Terminal Parameter

Users can read the parameters of connected terminal device such as **delay For Shutdown**, **Speed Ratio**, **License Plate Information**, etc. You can also directly set and send synchronization parameter information to the device.



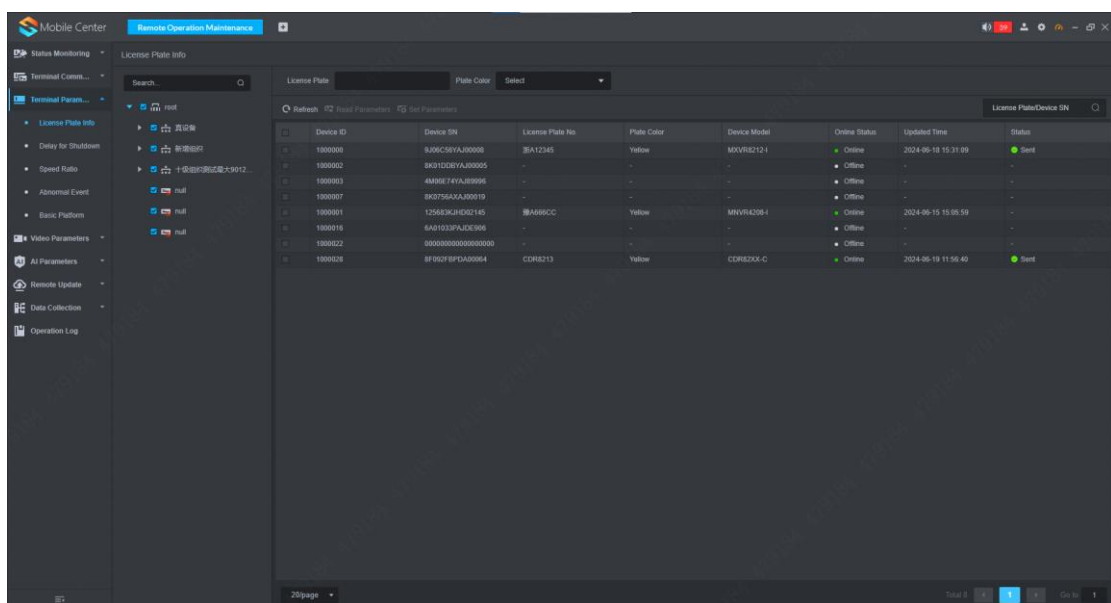
After checking an organization or device in the organization tree on the left, click Refresh to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

4.24.1.1 License Plate Info

Users can set the **License Plate Information** corresponding to the connected device here, including license plate number and license plate color.

Step 1 Select  > Remote Operation Maintenance > Terminal Parameter> License Plate Info

Figure 4-170 License plate info



Device ID	Device SN	License Plate No	Plate Color	Device Model	Online Status	Updated Time	Status
1000000	8J00C8VJA00000	JA12345	Yellow	MOVIR212-I	Online	2024-06-18 15:31:08	Start
1000002	8K10D8VJA00005	-	-	-	Offline	-	-
1000003	4M00E74VJA00006	-	-	-	Offline	-	-
1000007	8K0756AJA00019	-	-	-	Offline	-	-
1000001	12563KH002145	AA00000	Yellow	MNVR4208-I	Online	2024-06-15 15:08:59	-
1000016	6A0103PJA00006	-	-	-	Offline	-	-
1000022	0000000000000000	-	-	-	Offline	-	-
1000028	8F0020PDA00004	CDR0213	Yellow	CDR020X-C	Online	2024-06-19 11:56:40	Start

Step 2 Check the device in the list and click **Read Parameters**.

The interface displays "**Operation Succeeded.**", and the information of the corresponding device is displayed in the list.

Step 3 Select the terminal device, fill in the License Plate Number at the top of the interface, select the Plate color, and then click Set Parameters.

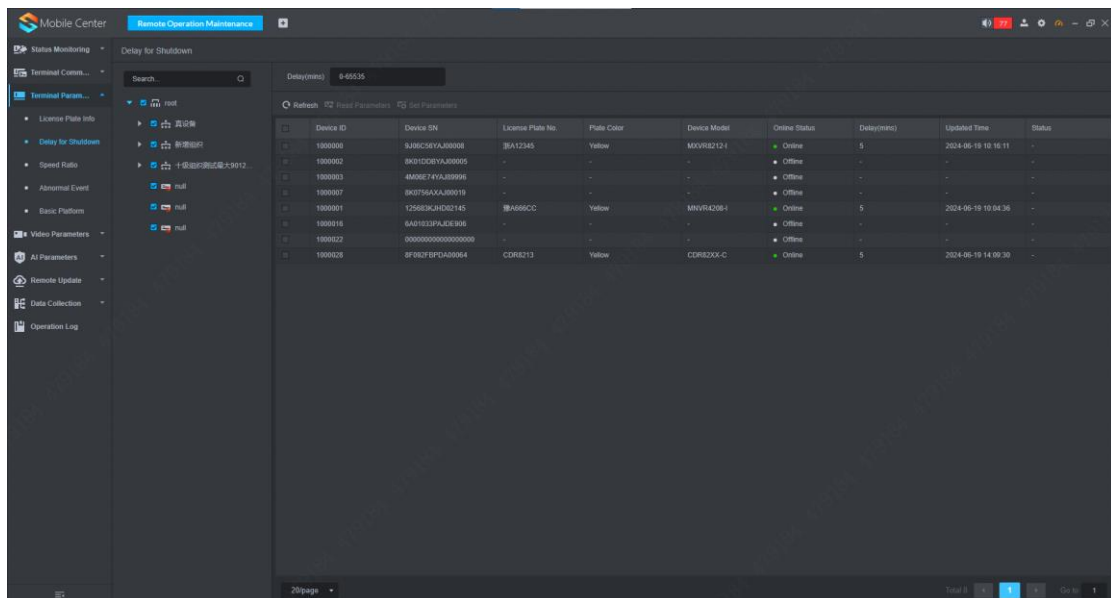
Users can check whether the instruction has been issued successfully from the "Status". After successful sent, the license plate info of the corresponding device is changed to the content set by the user.

4.24.1.2 Delay for Shutdown

Users can set the delay shutdown duration of connected devices in batch here.

Step 1 Select  > Remote Operation Maintenance > Terminal Parameter> Delay for Shutdown

Figure 4-171 Delay for shutdown



Step 2 Check the device in the list and click **Read Parameters**.

The interface displays "**Operation Succeeded.**", and the list displays the information of the corresponding device and the time of delayed shutdown.

Select the terminal device, set the **Delay Shutdown Duration** (from 0 to 65535 mins) at the top of the interface, and then click "**Set parameters**".

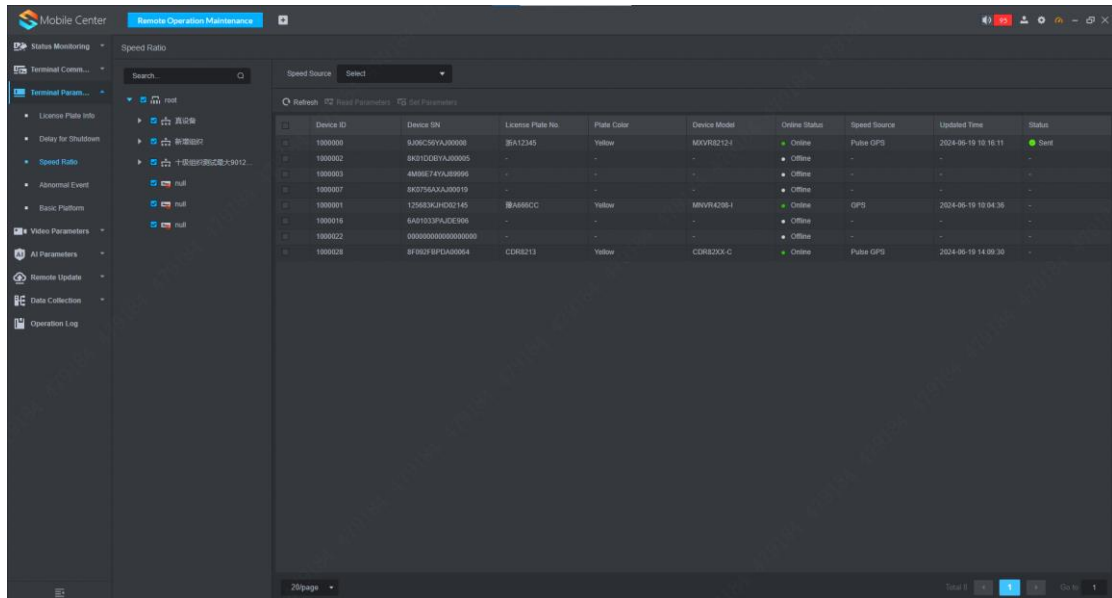
Step 3 Users can check whether the instruction has been issued successfully from the "**Status**". After successful sent, the time of delayed shutdown of the corresponding device is changed to the time set by the user.

4.24.1.3 Speed Ratio

Users can set the speed ratio of connected device here, including GPS, pulse and pulse GPS.

Step 1 Select  > Remote Operation Maintenance > Terminal Parameter> Speed Ratio

Figure 4-172 Speed Ratio



Step 2 Check the device in the list and click **Read Parameters**.

The interface displays "Operation Succeeded.", and the list displays the information of the corresponding device and speed ratio.

Step 3 Select the terminal device, select the Speed Source at the top of the interface, and then click **Set Parameters**.

Users can check whether the instruction has been issued successfully from the **"Status"**. After successful sent, the speed ratio of the corresponding device is changed to the type set by the user.

4.24.1.4 Abnormal Event

Users can set here whether to enable the alarm types of connected devices, including **Turnover**, **Collision** and **Overspeed**.

Step 1 Select  > Remote Operation Maintenance > Terminal Parameter> Abnormal Events.

Figure 4-173 Abnormal Event

Device ID	Device SN	License Plate No.	Plate Color	Turnover	Collision	Overspeed	Updated Time	Status
1900000	8A9C5E7A00000	BJA12345	Yellow	Enable	Enable	Enable	2024-06-19 10:16:11	Start
1900002	8K01DCE7A00005	-	-	-	-	-	-	-
1900003	8K00E747A00006	-	-	-	-	-	-	-
1900007	8K0756A0A00019	-	-	-	-	-	-	-
1900001	1256E3K4H002145	AG006CC	Yellow	Enable	Enable	Enable	2024-06-19 10:04:36	-
1900016	6A0103PJA000000	-	-	-	-	-	-	-
1900022	0000000000000000000	-	-	-	-	-	-	-
1900028	8F062F8F0A00064	CD00213	Yellow	Enable	Enable	Enable	2024-06-19 14:09:30	-

Step 2 Check the device in the list and click **Read Parameters**.

The interface displays "**Operation Succeeded**," and the list displays the information of the corresponding device and the alarm trigger enabling status of related abnormal events.

Step 3 Select a terminal device, select **Enable Alarm** Triggered by Abnormal Events at the top of the interface (multiple selections are allowed), and then click Set Parameters.

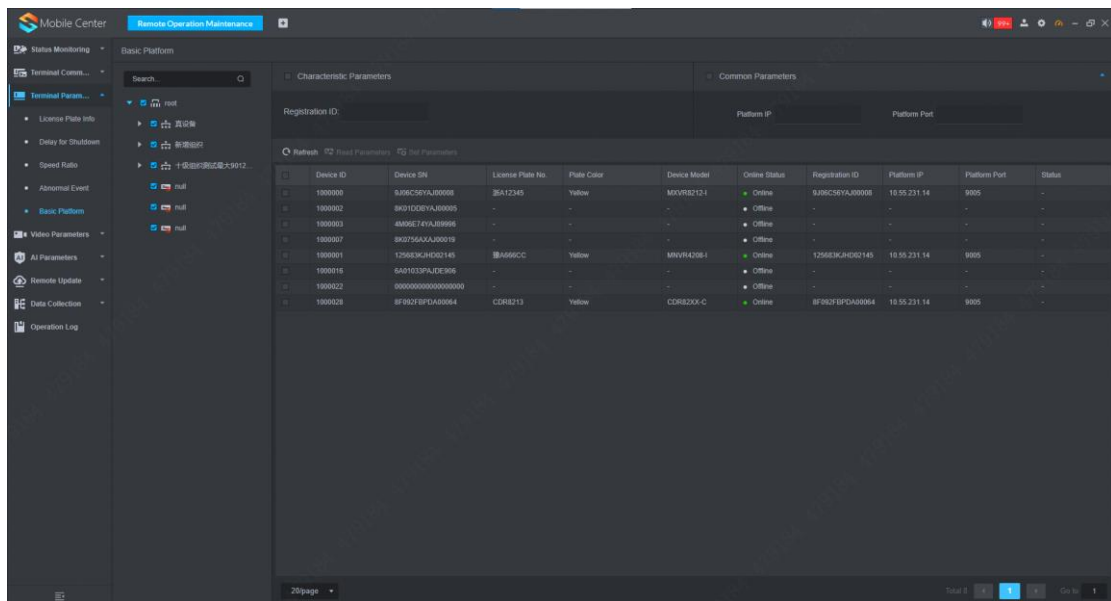
Users can check whether the instruction has been issued successfully from the "**Status**". After successful distribution, the abnormal event alarm trigger state of the corresponding device is changed to the state set by the user.

4.24.1.5 Basic Platform

Users can set the characteristics and common parameters of connected devices here. Characteristic parameters such as registration ID can only be set by a single device, and common parameters such as platform address and port can be set in batches.

Step 1 Select  > Remote Operation Maintenance > Terminal Parameter> Basic Platform

Figure 4-174 Basic Platform Parameters



Step 2 Check the device in the device tree on the left, check the device in the list, and click "**Read Parameters**".

The interface displays "**Operation Succeeded**", and the list displays the information, Online status, Registration ID and Platform address of the corresponding device.

Step 3 Select a single terminal device, check the Characteristic parameters at the top left of the interface, set the Registration ID, and then click **Set Parameters**.

Users can check whether the instruction has been issued successfully from the "Status". After successful sent, the registration ID of the corresponding device is changed to the ID set by the user.

Step 4 Select a single or multiple terminal devices, check the Common parameters at the top right of the interface, set the Platform address and Port, and then click **Set Parameters**.

After the instruction is issued successfully, the user can configure the selected device in batches through the set platform.

4.24.2 Video Parameters

Users can set the video parameters of connected devices here, including OSD parameters, Mirror and Audio and Video parameters.



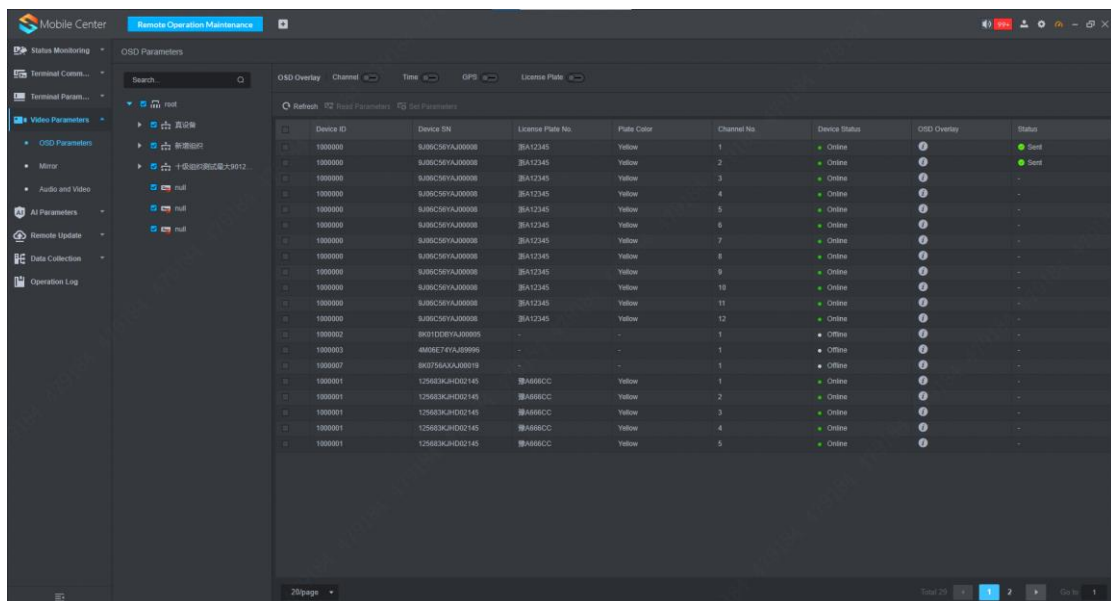
After checking an organization or device in the organization tree on the left, click Refresh to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

4.24.2.1 OSD Parameter

OSD parameter setting supports the selection of OSD overlay content, including Channel, Time, GPS and License Plate info (multiple choices are allowed).

Step 1 Select  > Remote Operation Maintenance > Video Parameters > OSD parameter

Figure 4-175 OSD Parameter



Step 2 Check the device in the list, and click "Read Parameters".

The interface displays "Operation Succeeded", and the list displays the information, Online status, etc.

Step 3 Select a single or multiple terminal devices, set OSD overlay content at the top of the interface, and then click "Set Parameters".

After the instruction is issued successfully, the OSD overlay content of the corresponding device video is displayed as the content set by the user.



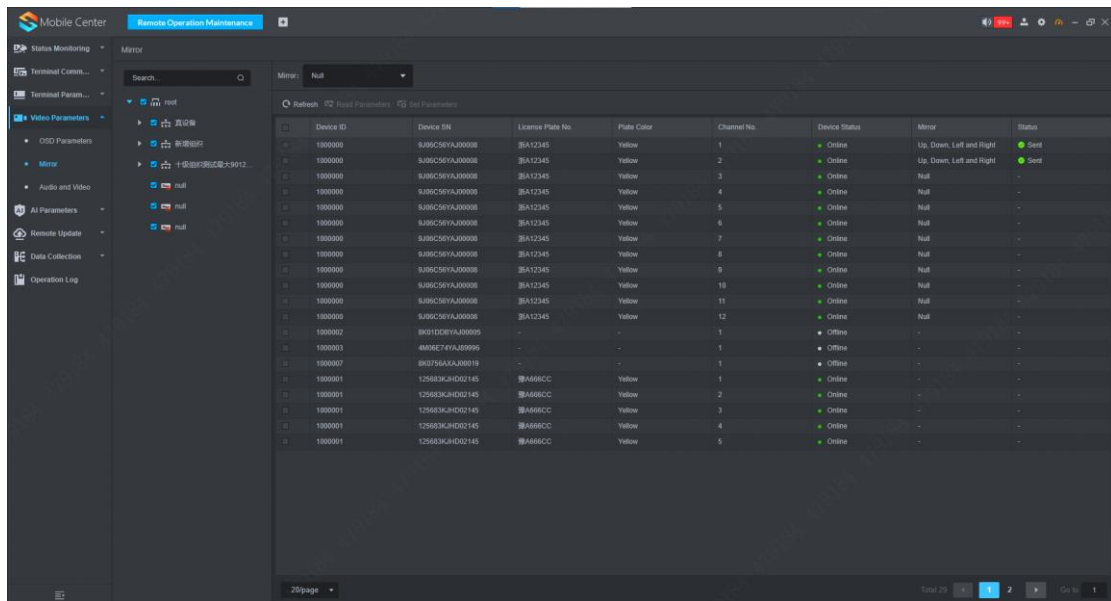
Click  to view the overlay information type.

4.24.2.2 Mirror

Mirror mode supports up, down, left and right mirror flipping of connected device video.

Step 1 Select  > Remote Operation Maintenance > Video Parameters > Mirror

Figure 4-176 Mirror



Step 2 Check the device in the list, and click "Read Parameters".

The interface displays "Operation Succeeded", and the list displays the information, Online status, etc.

Step 3 Select a single or multiple terminal devices, select the Mirror at the top of the interface, including **Up and Down, Left and Right and Up, Down, Right and Left**, then click **Set Parameters**.

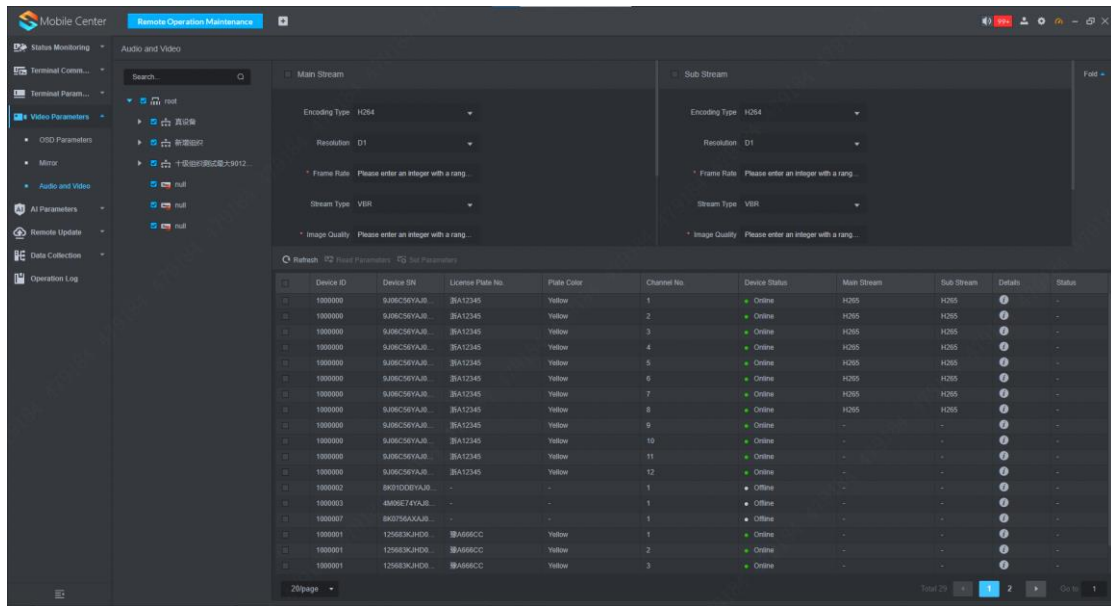
After the instruction is issued successfully, the video of the corresponding device is displayed as mirror video.

4.24.2.3 Audio and Video

Users can set the main stream parameters of the connected device video in batch here, including Encoding type, Resolution, Frame rate, Stream type etc.

Step 1 Select  > Remote Operation Maintenance > Video Parameters > Audio and Video

Figure 4-177 Audio and Video



Step 2 Check the device in the list, and click **"Read Parameters"**.

The interface displays **"Operation Succeeded"**, and the list displays the information, Online status, Main Stream Parameters etc.

Step 3 Select a single or multiple terminal devices, set the Main Stream Parameters at the top of the interface, and then click **Set Parameters**.

Table 4-23 Interpretation of Code Stream Parameters

Parameter	Explain
Encoding type	Select the video coding type, including H264 and H265.
Resolution	Select the video resolution.
Frame Rate	Set the video frame rate.
Stream Type	Select the code stream type, including fixed and variable code streams.
Image Quality	Set the image quality level (1~6).
Bit Rate(Kb/s)	Select the stream value level.
Smart encoding	Choose whether to enable smart encoding. Only the main code stream needs to be set.
Audio on	Choose whether to turn on audio at the same time.

After the instruction is issued successfully, the parameters of the video stream of the corresponding device are changed to the contents set by the user.



Click to view detailed code stream information.

4.24.3 AI Parameters

The platform supports intelligent function batch setting for connected devices. The user can set the alarm trigger speed in case of Forward Collision, Lane Departure, Headway Monitoring, etc.

4.24.3.1 ADAS Parameter

ADAS parameters support the configuration of modules such as trigger speed, alarm speed, protection time, collision warning time value and line pressing distance for forward collision, too close vehicle distance and lane departure.

Step 1 Select  > Remote Operation Maintenance > AI Parameters > ADAS Parameter

Figure 4-178 ADAS parameter

Remote Operation Maintenance

ADAS Parameters

Search

ADAS Parameters

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Step 2 Select a device, check "**AI Enable**", and set parameters such as **Alarm type** and **Trigger time** at the top of the interface.

Table 4-24 ADAS parameter

Parameter	Explain
AI Enable	Choose whether to enable smart features. Before enabling, only the setting parameters are distributed, and the intelligent function is not enabled.
Alarm type	Support forward collision, too close distance and lane departure alarm.
start using	Select whether to enable the corresponding alarm type.
Trigger speed	When the vehicle reaches the set speed, an alarm is triggered.
Alarm upload	When the vehicle reaches the set speed, the alarm information is uploaded to the platform.
Protection time	Minimum time interval to trigger alarm.
TTC	Warning time of impending collision with the preceding vehicle.
Distance Of Driving On Solid Line	When the distance from the vehicle to the lane line reaches the set value, the line pressing alarm is triggered.  Only Lane Departure alarm type setting is supported.

Step 3 Click "**Set Parameters**" to issue instructions to the selected device.

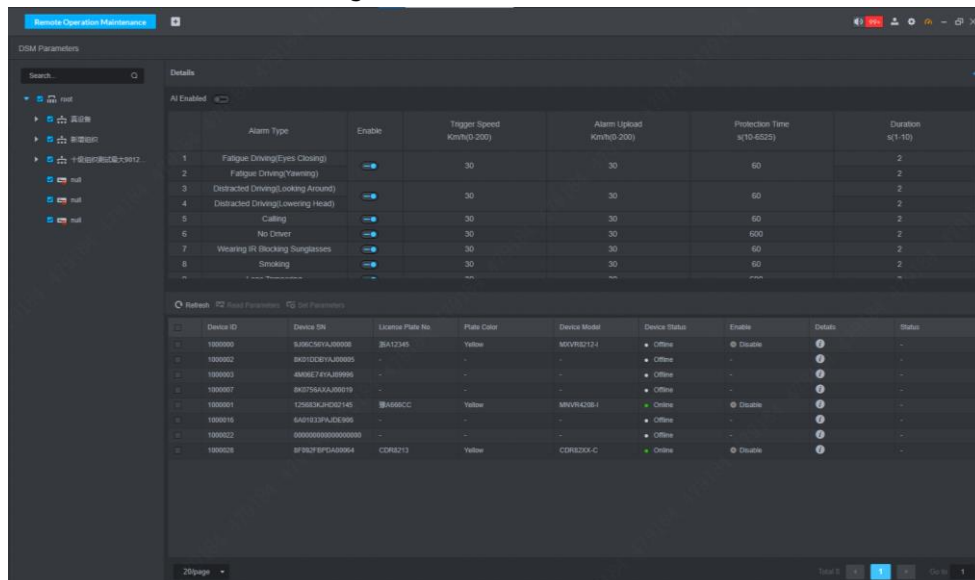
After the instruction is issued, the device status shows "**Issued**". Users can get relevant parameters by clicking .

4.24.3.2 DSM Parameter

DSM parameters support the configuration of modules such as trigger speed, alarm speed, protection time and duration for drivers' bad driving behaviors such as fatigue driving, distracted driving and phone call.

Step 1 Select  > Remote Operation Maintenance > AI Parameters > DSM Parameter

Figure 4-179 DSM Parameter



Device ID	Device SN	License Plate No.	Plate Color	Device Model	Device Status	Enable	Details	Status
1500000	5J0C367A100000	BJA12345	Yellow	MSVR0212	Offline	Enable		Online
1500002	8A010E01A100000	-	-	-	Offline	-		Online
1500003	8A0027E1A100000	-	-	-	Offline	-		Online
1500007	8A0176A1A100010	-	-	-	Offline	-		Online
1500001	125834A1002145	BA00000	Yellow	MSVR0201	Online	Enable		Online
1500010	6A0103FA1000000	-	-	-	Offline	-		Online
1500022	0A000000000000000	-	-	-	Offline	-		Online
1500028	8F00178F10A000004	CD00011	Yellow	CD00011	Online	Enable		Online

Step 2 Select a device, check "**AI Enable**", and set parameters such as Alarm Type and Trigger Time at the top of the interface.



Parameter explanation. See Synonyms at explanation.

Duration means that an alarm is triggered when the duration of the bad driving behavior exceeds the set time.

Step 3 Click "**Set Parameters**" to issue instructions to the selected device.

After the instruction is issued, the device status shows "**Issued**". Users can get relevant parameters by clicking .

4.24.3.3 HOD parameter

HOD parameters support the configuration of modules such as Trigger Speed, Alarm Speed, Protection Time and Duration for drivers' bad driving behaviors, such as not wearing seat belts, playing with mobile phones, and keeping hands off wheel.

Step 1 Select  > Remote Operation Maintenance > AI Parameters > HOD Parameter

Figure 4-180 HOD Parameter

HOD Parameters

Search...

test

测试设备

新建设备

sp6000

8AH1EEEPJFBCB5

H00DFYD000001 [Blue]

111222 [Others]

Details

AI Enabled

	Alarm Type	Enable	Rule Line	Trigger Speed Km/h(0-200)	Alarm Upload Km/h(20-200)	Protection Time s(10-6025)	Duration s(1-60)
1	Not Wearing Seatbelt		-	30	30	60	2
2	Playing with Mobile Phone		-	30	30	60	2
3	Hands Off Wheel		Show	30	30	60	2

Refresh

Road Parameters

Set Parameters

Device ID	Device SN	License Plate No.	Plate Color	Channel No.	Device Model	Device Status	Enable	Details	Status
1900008	8H1FSEVAJ00004	111222	Others	3	DH-DAE-MXVR021	Offline	-		-
1900008	8H1FSEVAJ00004	111222	Others	4	DH-DAE-MXVR021	Offline	-		-
1900008	8H1FSEVAJ00004	111222	Others	5	DH-DAE-MXVR021	Offline	-		-
1900008	8H1FSEVAJ00004	111222	Others	6	DH-DAE-MXVR021	Offline	-		-
1900008	8H1FSEVAJ00004	111222	Others	7	DH-DAE-MXVR021	Offline	-		-
1900008	8H1FSEVAJ00004	111222	Others	8	DH-DAE-MXVR021	Offline	-		-
1900015	8A91EEEPJFBCB5	-	-	-	-	Offline	-		-
1900026	8C3K3YTD00043	-	-	-	-	Offline	-		-
1900027	H00DFYD000001	-	Blue	3	MNVR021-1	Offline			Not sent
1900027	H00DFYD000001	-	Blue	4	MNVR021-1	Offline			Sent

2/20page

Total 10

Go to

Step 2 Select a device, check "**AI Enable**", and set parameters such as Alarm Type and Trigger Time at the top of the interface.



Parameter explanation. See Synonyms at explanation..

Duration means that an alarm is triggered when the duration of the bad driving behavior exceeds the set time.

Step 3 Click "**Set Parameters**" to issue instructions to the selected device.

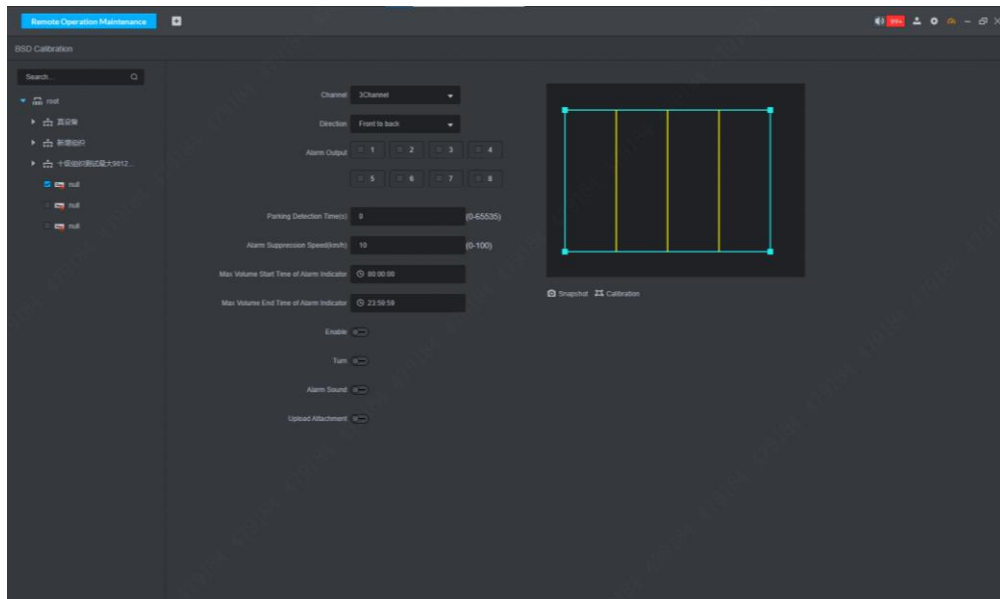
After the instruction is issued, the device status shows "**Issued**". Users can get relevant parameters by clicking .

4.24.3.4 BSD Calibration

BSD is Blind Spot Monitoring. The device can sense the information around the vehicle through the blind spot monitoring camera, and when there are vehicles, pedestrians, bicycles and other moving objects approaching in the blind spot of the driver, it will give an alarm. The platform supports setting BSD calibration parameters.

Step 1 Select  > Remote Operation Maintenance > AI Parameters > BSD Calibration

Figure 4-181 BSD Calibration



Step 2 Select the device in the left list and set the **BSD Calibration** parameters.

Table 4-25 BSD Calibration Parameters

Parameter	Explain
Channel	Select the channel number that needs BSD calibration. The default is 3 or 4 channels.
Direction	Select the location where the camera is installed: from front to back, from back to front or from top to bottom.
Alarm Output	Select the alarm output channel.
Parking Detection Time	Configure the longest stay time of vehicles in the blind area, ranging from 0 to 65535 mins.
Alarm Suppression Speed	Configure the alarm suppression speed for blind area monitoring. When the vehicle speed exceeds the suppression speed, no alarm will be generated, with the range of 0 ~ 100 km/h..
Max Volume Start Time of Alarm Indicator	Configure the start time of the maximum volume of acousto-optic alarm.
Max Volume End Time of Alarm Indicator	Configure the end time of the maximum volume of acousto-optic alarm.
Enable	Click to turn BSD calibration on or off.
Turn	When the vehicle turns, it will trigger the blind spot monitoring alarm, and click Open or Close.
Alarm Sound	Click to turn the alarm sound on or off.
Upload Attachment	Click to turn the attachment upload function on or off. When turned on, the device will automatically grab the alarm picture and upload it to the platform.

Step 3 Drag the wireframe in the picture to select the blind area calibration area. Click "**Calibration**" to distribute the calibration results to the device.
Click "**Snapshot**" to capture the picture on the device.



The three yellow lines in the picture represent level 1, level 2 and level 3 alarm points. The higher the alarm point level, the more urgent the alarm sound.

4.24.4 Device operation

Users can perform basic operations on the added device through the platform, such as viewing the device status, remotely restarting the device, clearing the device alarm, etc. Devices that support reading driver IC cards, the new national standard protocol only supports reading and writing driver's name and driver's license number. The platform also supports remote card reading, card writing and card clearing operations.

4.24.4.1 Terminal state monitoring

Users can view the added terminal device status and the corresponding video channels in this interface.



After checking an organization or device in the organization tree on the left, click **Refresh** to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

Select multiple terminal devices in the list and click **"Export"** to export the data locally.

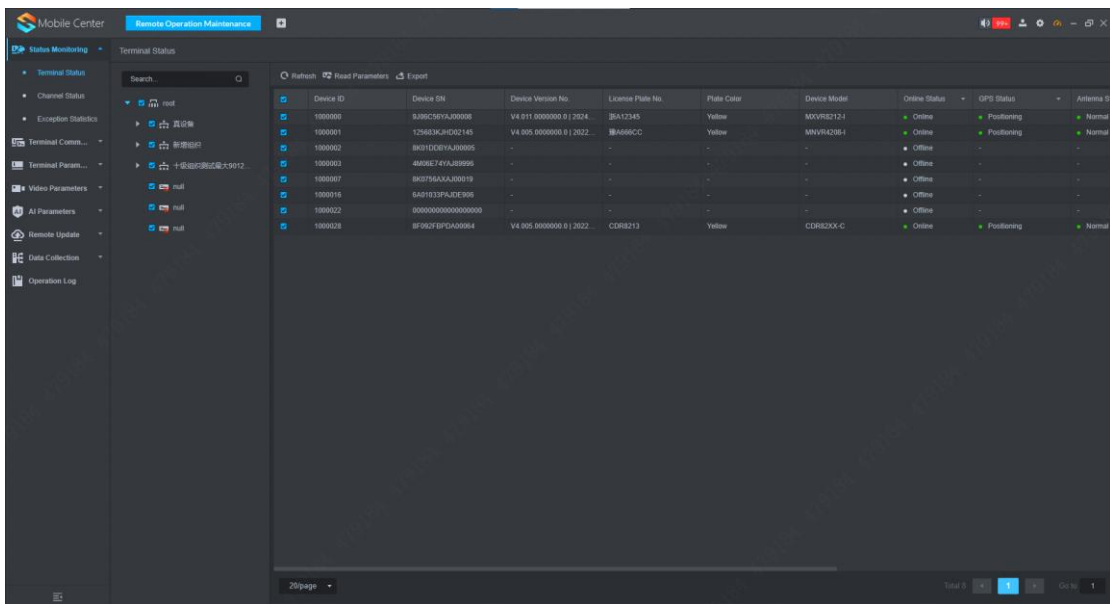
4.24.4.1.1 Terminal Status

Check whether the device is offline, GPS Status, Antenna Status, SIM Status and Disk Status.

Step 1 Select  > Remote Operation Maintenance > Status Monitoring > Terminal Status.

Step 2 Check the device in the device tree on the left to display the terminal status info in the list.

Figure 4-182 Terminal Status



Device ID	Device SN	Device Version No.	License Plate No.	Plate Color	Device Model	Online Status	GPS Status	Antenna Status
1000000	9J8C591A00000	V4.011.000000.0 2024	京A12345	Yellow	MOVIR212-I	Online	Positioning	Normal
1000001	125863KAHD02145	V4.005.000000.0 2022	京A666CC	Yellow	MNVR4206-I	Online	Positioning	Normal
1000002	8K011DDEVA00005	-	-	-	-	Offline	-	-
1000003	4W09E741A09899	-	-	-	-	Offline	-	-
1000007	8K0756AAJA00079	-	-	-	-	Offline	-	-
1000016	6A01833PALDE909	-	-	-	-	Offline	-	-
1000022	00000000000000000	-	-	-	-	Offline	-	-
1000028	8F9078PDA00064	V4.005.000000.0 2022	CDR8213	Yellow	CDR8200-C	Online	Positioning	Normal

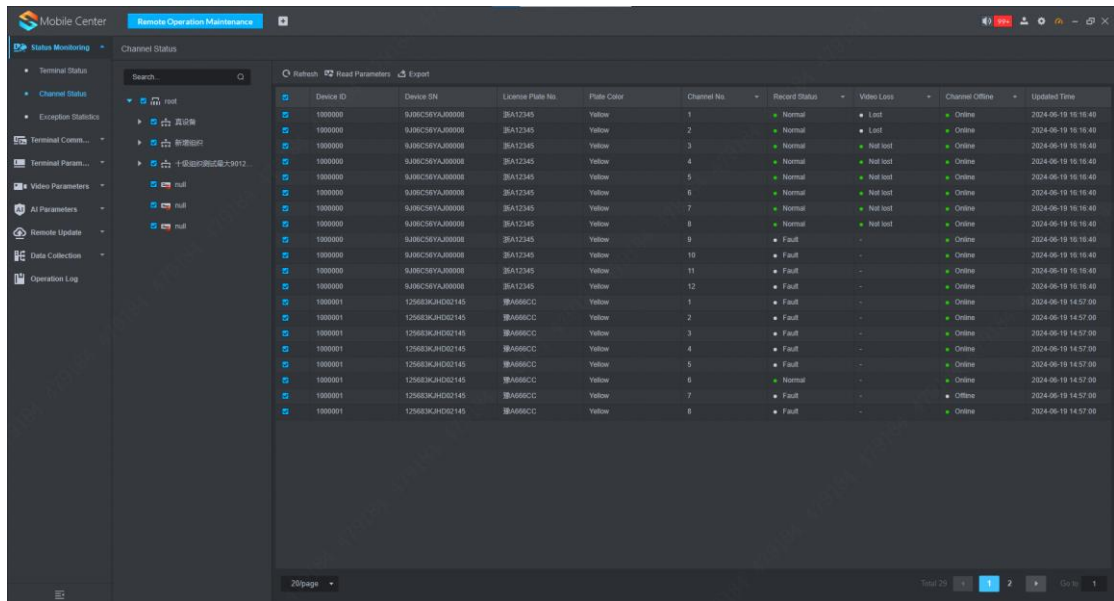
4.24.4.1.2 Channel Status

Check the channel Recording Status, Video Loss, Channel Offline and other information.

Step 1 Select  > Remote Operation Maintenance > Status Monitoring > Channel Status.

Step 2 Check the device in the device tree on the left to display the Channel Status information in the list.

Figure 4-183 Channel Status Interface



Device ID	Device SN	License Plate No.	Plate Color	Channel No.	Record Status	Video Loss	Channel Offline	Updated Time
1000000	8J8C26YAJ00000	36A12345	Yellow	1	Normal	Lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	2	Normal	Lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	3	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	4	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	5	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	6	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	7	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	8	Normal	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	9	Fault	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	10	Fault	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	11	Fault	Not lost	Online	2024-06-19 15:16:49
1000000	8J8C26YAJ00000	36A12345	Yellow	12	Fault	Not lost	Online	2024-06-19 15:16:49
1000001	125683KJHD02145	88A686CD	Yellow	1	Fault	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	2	Fault	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	3	Fault	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	4	Fault	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	5	Fault	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	6	Normal	Not lost	Online	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	7	Fault	Not lost	Offline	2024-06-19 14:57:00
1000001	125683KJHD02145	88A686CD	Yellow	8	Fault	Not lost	Online	2024-06-19 14:57:00

4.24.4.1.3 Exception Statistics

View the data that the device has problems in offline, GPS Status, Antenna Status, SIM Status or Disk Status. If the state parameters of the device are all normal, they will not be displayed in the list of Exception Statistics

Step 1 Select  > Remote Operation Maintenance > Status Monitoring > Exception Statistic

Step 2 Check the device in the device tree on the left to display the device exception information in the list.

Figure 4-184 Exception Statistics

Device ID	Device SN	Device Version No.	License Plate No.	Plate Color	Device Model	Online Status	GPS Status	Antenna Status
1000000	828C361A20000	V4.011.000000.0 2024	京A12345	Yellow	MCVR2124	Online	Positioning	Normal
1000001	1258361A030145	V4.005.000000.0 2022	粤A888CC	Yellow	MNVK4208-I	Online	Positioning	Normal
1000002	8F06278FCA00004	V4.005.000000.0 2022	CDR0213	Yellow	CDR020X-C	Online	Positioning	Normal

4.24.4.2 Terminal Command

Users can restart the added terminal device on the platform, clear fatigue alarms in batches, sent analog command, remotely control the terminal and format the disk.



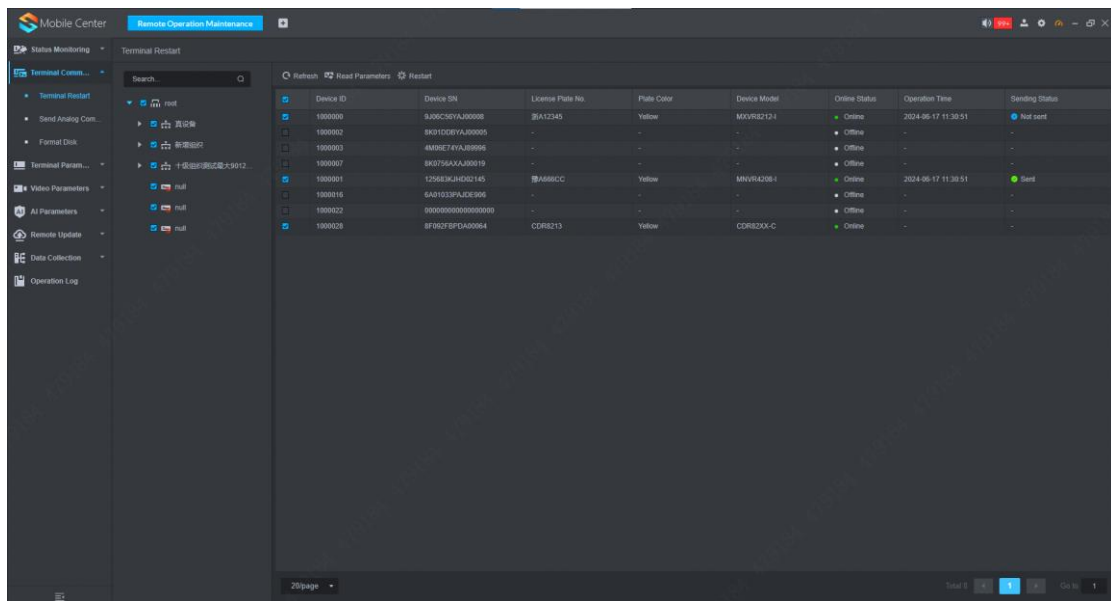
Users can choose to view the device status under an organization.

After checking an organization or device in the organization tree on the left, click Refresh to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

4.24.4.2.1 Terminal Restart

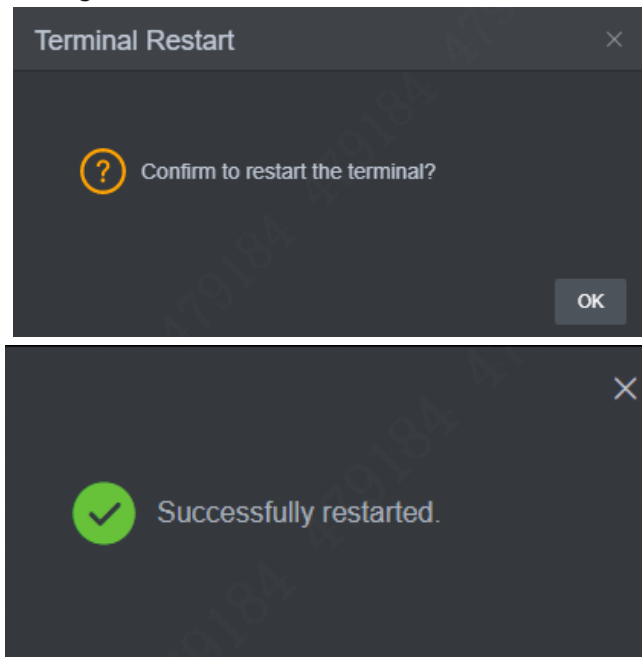
Step 1 Select  > Remote Operation Maintenance > Terminal Command > Terminal Restart

Figure 4-185 Terminal Restart



Step 2 Select the terminal device in the device tree on the left, check the Online Device in the list, click "**Restart**" to open the confirmation window, and click "**OK**". After confirmation, the restart was successful.

Figure 4-186 Restart the confirmation interface

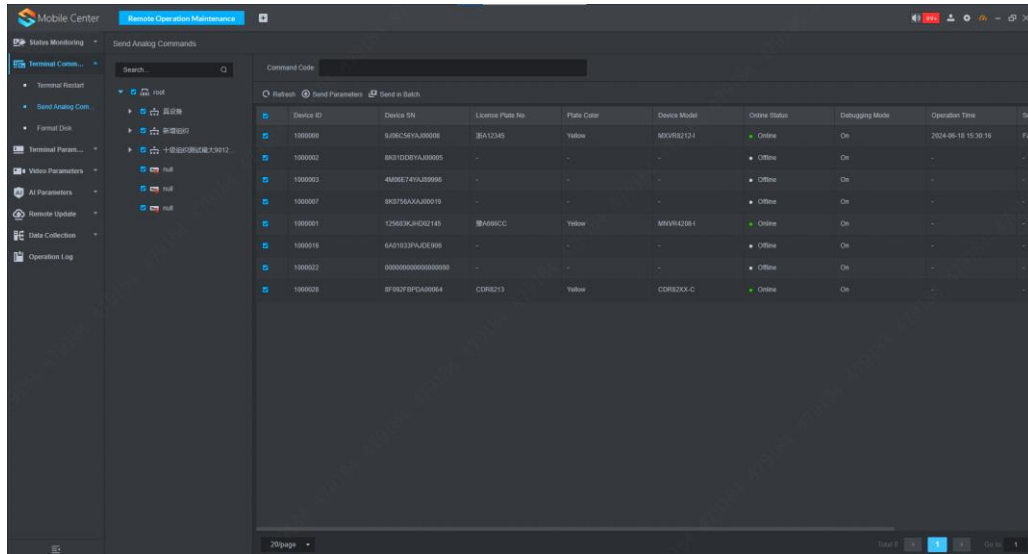


Step 3 Check the device in the list and click "**Read Parameters**" to read the latest parameters of the device.

4.24.4.2.2 Sent Analog Command

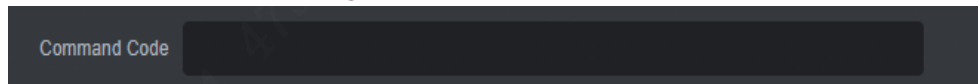
Step 1 Select  > Remote Operation Maintenance > Terminal Command > Sent Analog Command

Figure 4-187 Sent Analog Command



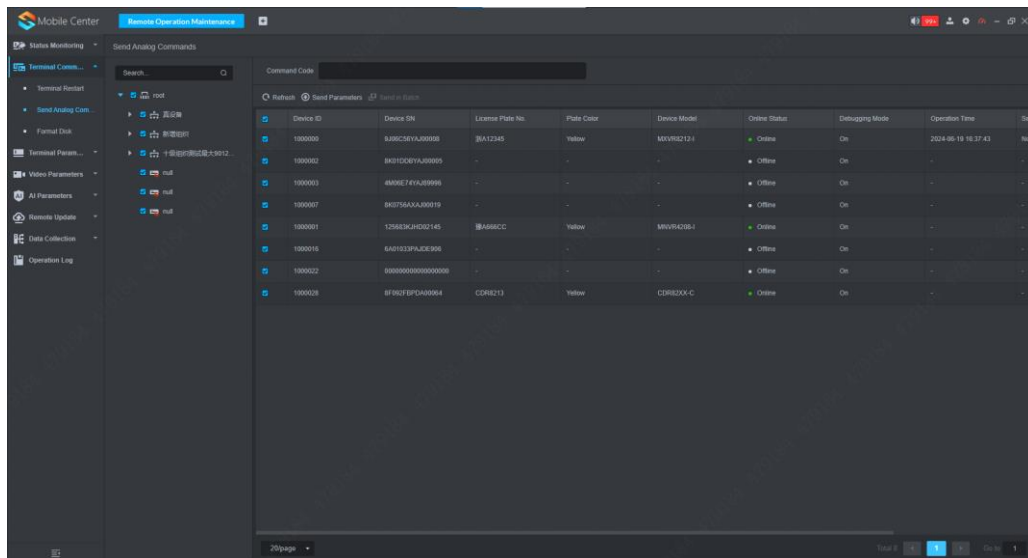
Step 2 Select the terminal device in the left device tree, check the online device in the list, and fill in the Command Code.

Figure 4-188 Command Code



Step 3 Click **"Sent Parameters"** to sent the parameters to the specified device. Check the device that failed to distribute in the list, and click **"Sent in Batch"** to sent repeatedly in batches.

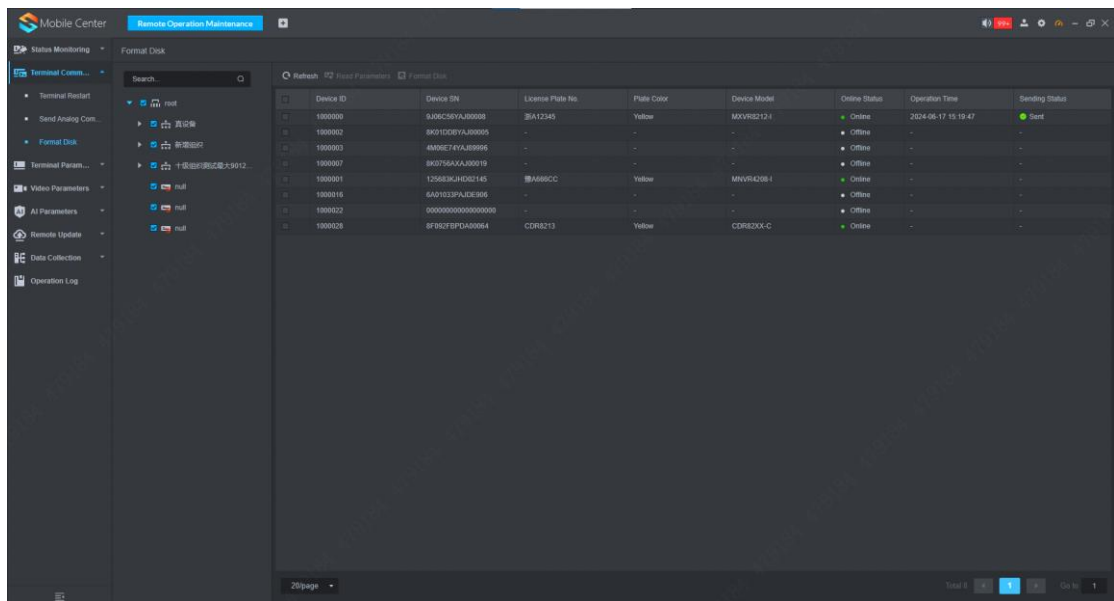
Figure 4-189 Sent Parameters



4.24.4.2.3 Format Disk

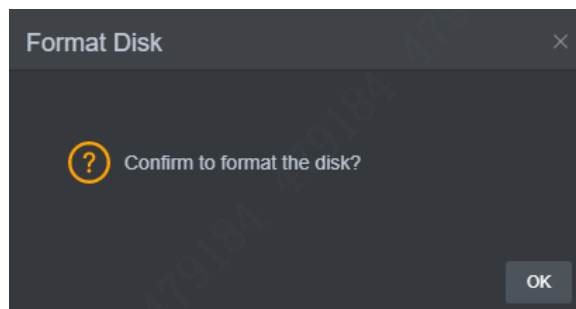
Step 1 Select  > Remote Operation Maintenance > Terminal Command > Format Disk

Figure 4-190 Format Disk



Step 2 Select the terminal device in the device tree on the left, check the Online Device in the list, click **"Format Disk"** to open the confirmation window, and click **"OK"**. After confirmation, the format is successful.

Figure 4-191 Confirmation interface



Step 3 Check the device in the list and click **"Read Parameters"** to read the latest parameters of the device.

4.24.5 Operation Maintenance Analysis

Through the platform to obtain Device Logs, GPS Data and other information, users can analyze the operation and maintenance of device. You can also upload the device upgrade package directly on the platform and remotely upgrade the device version to ensure the normal work of the device.

4.24.5.1 Terminal Data Collection

Data Collection module supports uploading and downloading device logs, network sniffer ,etc.



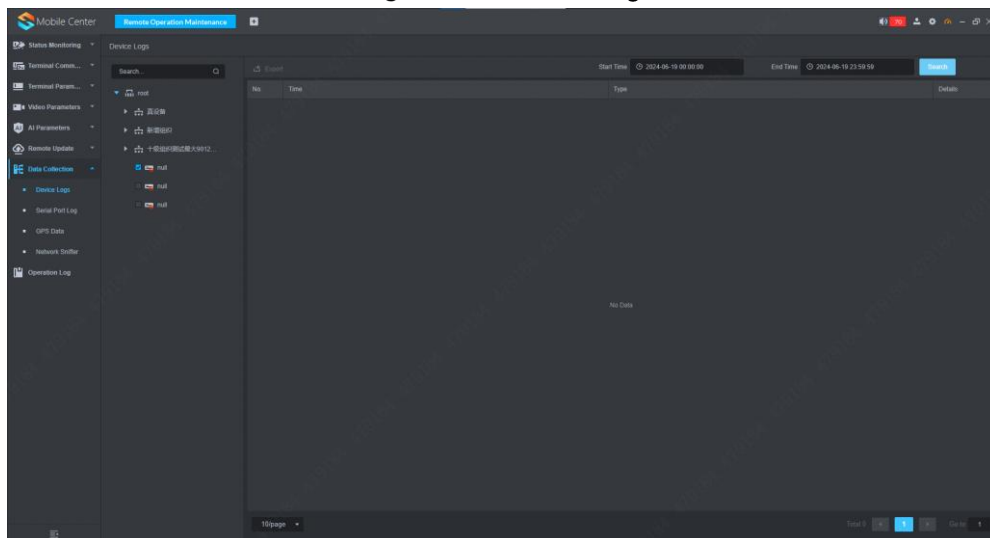
After checking an organization or device in the organization tree on the left, click **Refresh** to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

4.24.5.1.1 Device Log

The device log supports online search and downloading to local.

Step 1 Select  > Remote Operation Maintenance > Data Collection > Device Log

Figure 4-192 Device log



Step 2 Select a start and end time, and click **Search**.

The interface displays the time and type.

Step 3 Click  to view the log details.

Step 4 Click **Export** to export the log.

Log information is downloaded locally in the form of Excel tables.

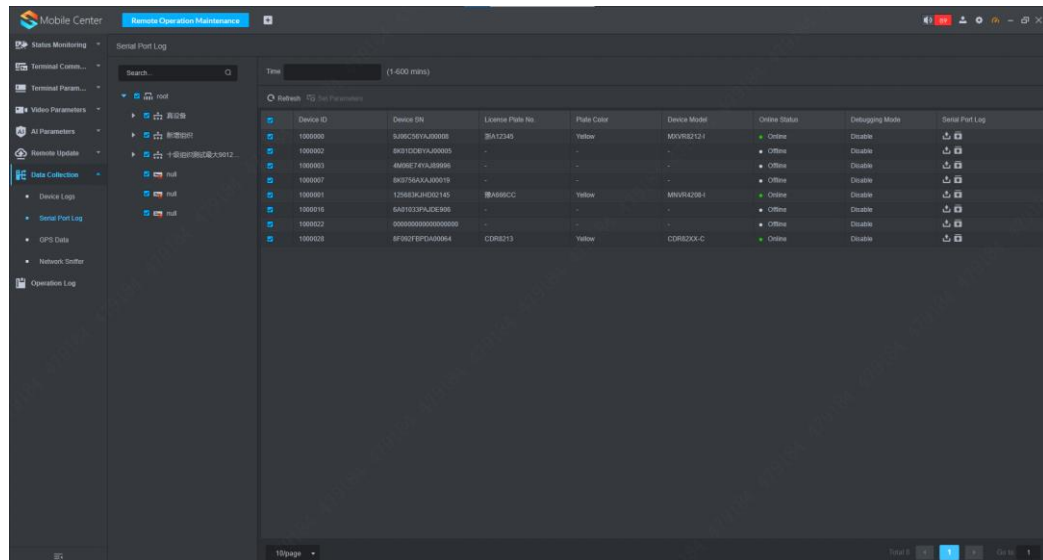
Users can click "**Previous**" and "**Next**" to view more log information.

4.24.5.1.2 Serial Port Log

The Serial Port Log support platform issues instructions to collect data within the specified collection time and upload it to FTP for downloading and viewing.

Step 1 Select > Remote Operation Maintenance > Data Collection > Serial Port Log

Figure 4-193 Serial Port Log

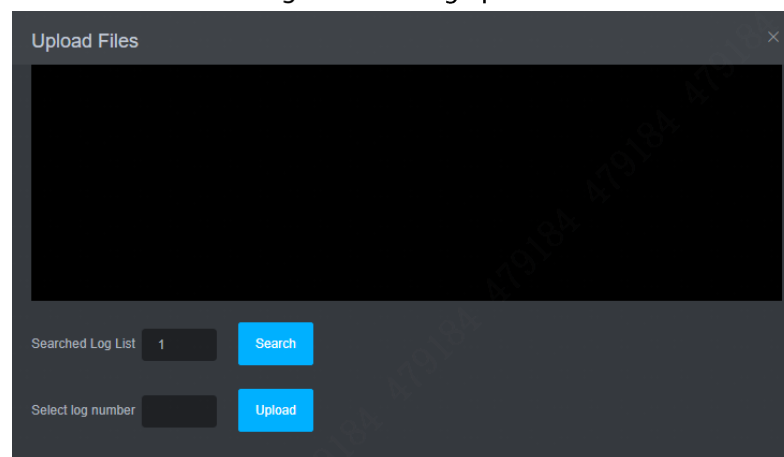


Step 2 Select the device and set the **Time** at the top left of the interface.

Step 3 Click "**Set Parameters**" to issue the configured time instruction to the selected device.

Step 4 Click the for the device.

Figure 4-194 Log upload



When the device is online, click Search to Search the log of the device.

Enter the log serial number, and click Upload to upload the corresponding log to the platform.



The log data is sorted by time, with the latest data in the last row.

Step 5 Select the device and click .

The interface displays the log data uploaded to FTP, and users can choose to download it as needed.



The log data is sorted by time, with the latest data in the first row.

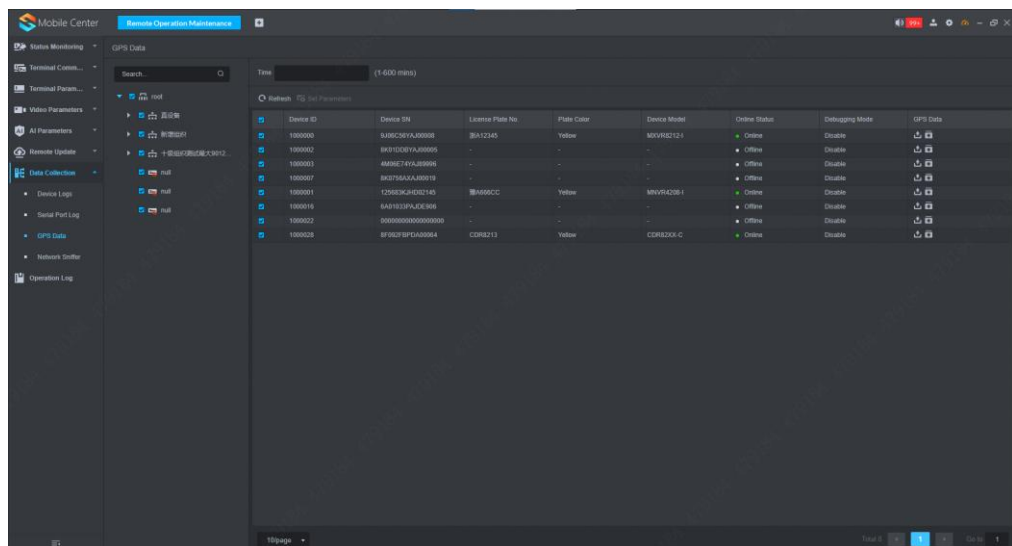
Related Operations

Select a single or multiple added terminals, and click **Refresh** to refresh the terminal device log information in batches.

4.24.5.1.3 GPS Data

Step 1 Select  > Remote Operation Maintenance > Data Collection > GPS data

Figure 4-195 GPS Data

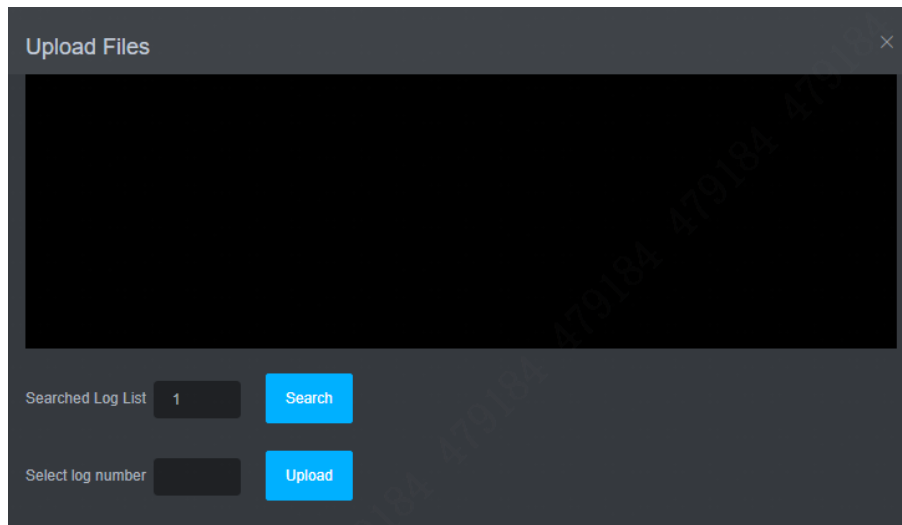


Step 2 Select the device and set the Time at the top left of the interface.

Step 3 Click **"Set Parameters"** to issue the configured time instruction to the selected device. At this time, the user can choose the device to upload and download the corresponding GPS data.

Step 4 Click the  for the device.

Figure 4-196 GPS Data Upload



When the device is online, click **Search** to Search the log of the device.

Enter the log serial number, and click **Upload** to upload the corresponding log to the platform.



GPS data are sorted by time, with the latest data in the first row.

Step 5 Select the device and click .

The interface displays the data uploaded to FTP, and users can choose to download it as needed.



GPS data are sorted by time, with the latest data in the first row.

Related Operations

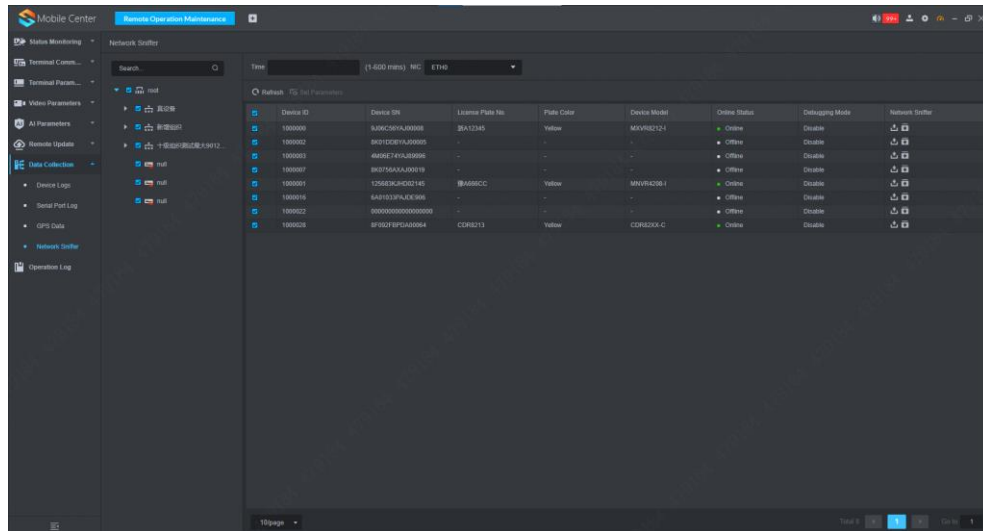
Select a single or multiple added terminals, and click **Refresh** to refresh the terminal device log information in batches.

4.24.5.1.4 Network Sniffer

Users can set the **Network Sniffer** data collection time of a specific NIC on the platform, send it to the device and obtain relevant data through the platform.

Step 1 Select  > Remote Operation Maintenance > Data Collection > Network Sniffer

Figure 4-197 Network Sniffer



- Step 2** Select the device, and set the Time and NIC at the top left of the interface.
The NIC can choose "**ETH0**", "**LTE0**" and "**WLAN0**".

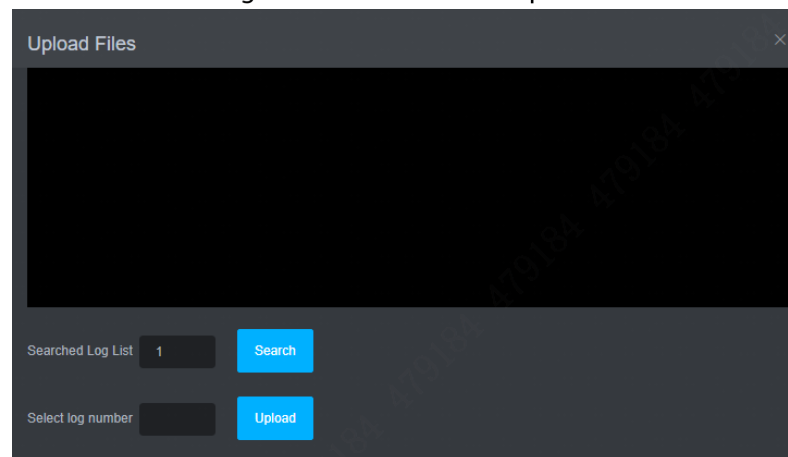


The NIC needs to be selected according to the actual network used by the device, otherwise the acquisition will be unsuccessful.

- Step 3** Click "**Set Parameters**" to issue the configured time instruction to the selected device.
At this time, the user can choose the device to upload and download the corresponding packet capture data.

- Step 4** Click the  for the device.

Figure 4-198 Sniffer data upload



- When the device is online, click Search to Search the log of the device.
- Enter the log serial number, and click Upload to upload the corresponding log to the platform.



The data of package grabbing is sorted by time, with the latest data in the first row.

- Step 5** Select the device and click .

The interface displays the data uploaded to FTP, and users can choose to download it as needed.



The data of sniffer is sorted by time, with the latest data in the first row.

Related Operations

Select a single or multiple added terminals, and click Refresh to refresh the terminal device log information in batches.

4.24.5.2 Remote Update

The platform supports uploading firmware packages and remotely upgrading corresponding devices and channels. Users can view the upgrade records of device and channels directly on the platform.



After checking an organization or device in the organization tree on the left, click Refresh to refresh the device sorting in the organization, with online device at the top and offline device at the bottom.

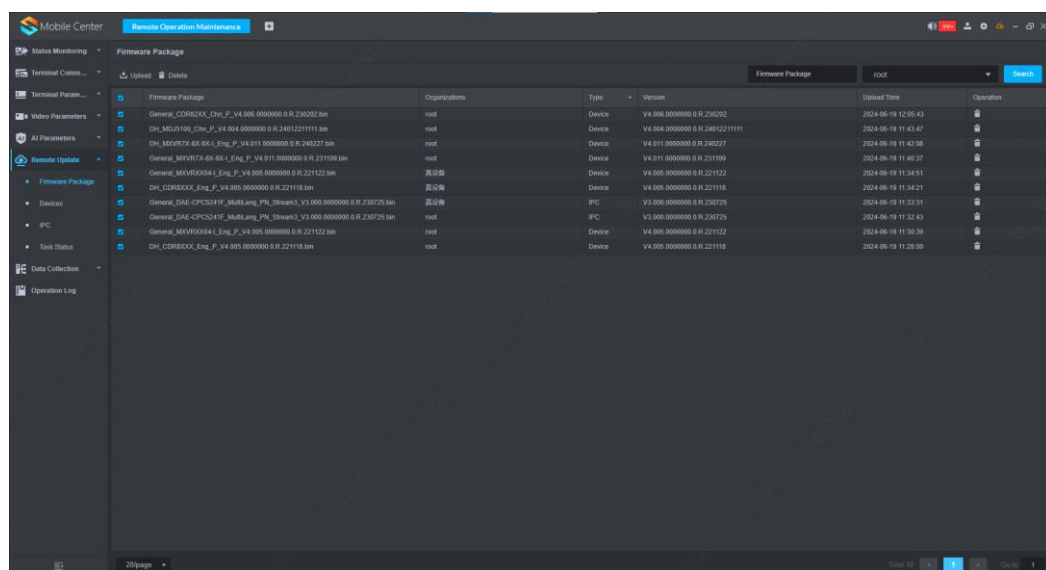
4.24.5.2.1 Firmware Package

Users can upload packages directly and upgrade corresponding devices and channels on the platform.

Step 1 Select  > Remote Operation Maintenance > Remote Update > Firmware Package

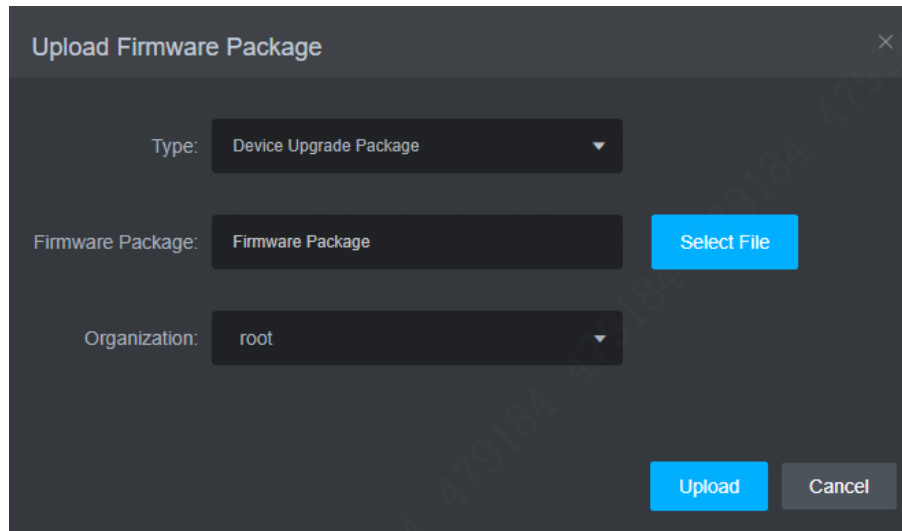
The **"Firmware Package"** interface is displayed. Users can upload on demand, choose device update or delete firmware packages.

Figure 4-199 Firmware Package



Step 2 Click "**Upload**" and select the package.

Figure 4-200 Upload Firmware Package



Step 3 Click , select the firmware package and IPC update package, select the organization, and click "Upload". The platform began to update the device.

Related Operations

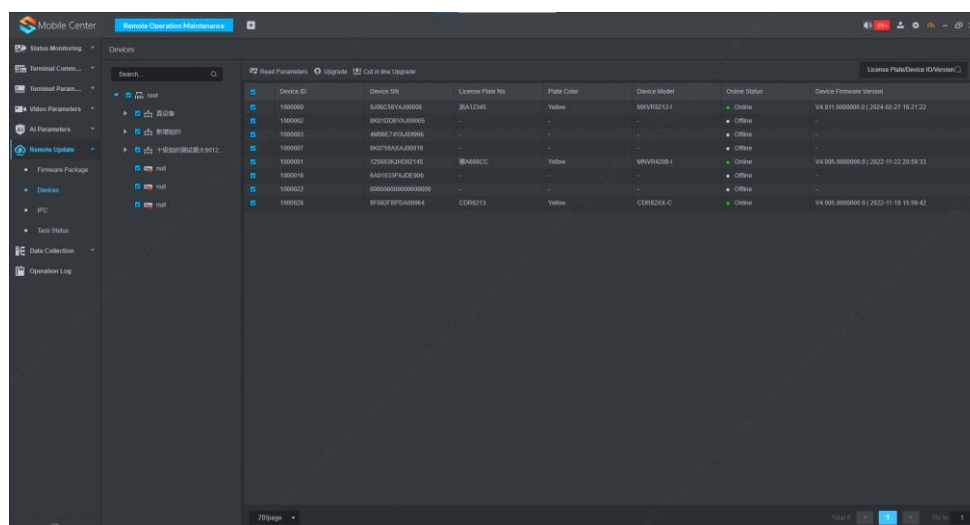
- Click **Upload** to upload the package to the platform.
- Click  to delete the corresponding package.
- Enter the name of the update package in the upper right corner of the interface, select the organization, and click Search to view the corresponding upgrade package.

4.24.5.2.2 Devices

Users can upgrade the device here.

Step 1 Select  > Remote Operation Maintenance > Remote Update > Devices

Figure 4-201 Devices



Step 2 Select the device to be upgraded and click Upgrade.
The system displays the Select Package interface.



Check the device in the list and click "Cut in Line Upgrade " to select a single package upgrade.

Figure 4-202 Select Package

Firmware Package	Version	Upload Time
General_CDR82XX_Chn_P_V4.006.0000000.0.R.230202.bin	V4.006.0000000.0.R.230202	2024-06-19 12:05:43
DH_MDJ5100_Chn_P_V4.004.0000000.0.R.24012211111.bin	V4.004.0000000.0.R.24012211111	2024-06-19 11:43:47
DH_MXVR7X-8X-9X-I_Eng_P_V4.011.0000000.0.R.240227.bin	V4.011.0000000.0.R.240227	2024-06-19 11:42:08
General_MXVR7X-8X-9X-I_Eng_P_V4.011.0000000.0.R.231109.bin	V4.011.0000000.0.R.231109	2024-06-19 11:40:37
General_MXVRXX04-I_Eng_P_V4.005.0000000.0.R.221122.bin	V4.005.0000000.0.R.221122	2024-06-19 11:34:51
DH_CDR8XXX_Eng_P_V4.005.0000000.0.R.221118.bin	V4.005.0000000.0.R.221118	2024-06-19 11:34:21
General_MXVRXX04-I_Eng_P_V4.005.0000000.0.R.221122.bin	V4.005.0000000.0.R.221122	2024-06-19 11:30:39
DH_CDR8XXX_Eng_P_V4.005.0000000.0.R.221118.bin	V4.005.0000000.0.R.221118	2024-06-19 11:28:00

Step 3 Select the package and click OK.

Step 4 Click **OK** in the pop-up dialog box.

The system displays "**Operation Succeed**" and the device is upgraded.

Related Operations

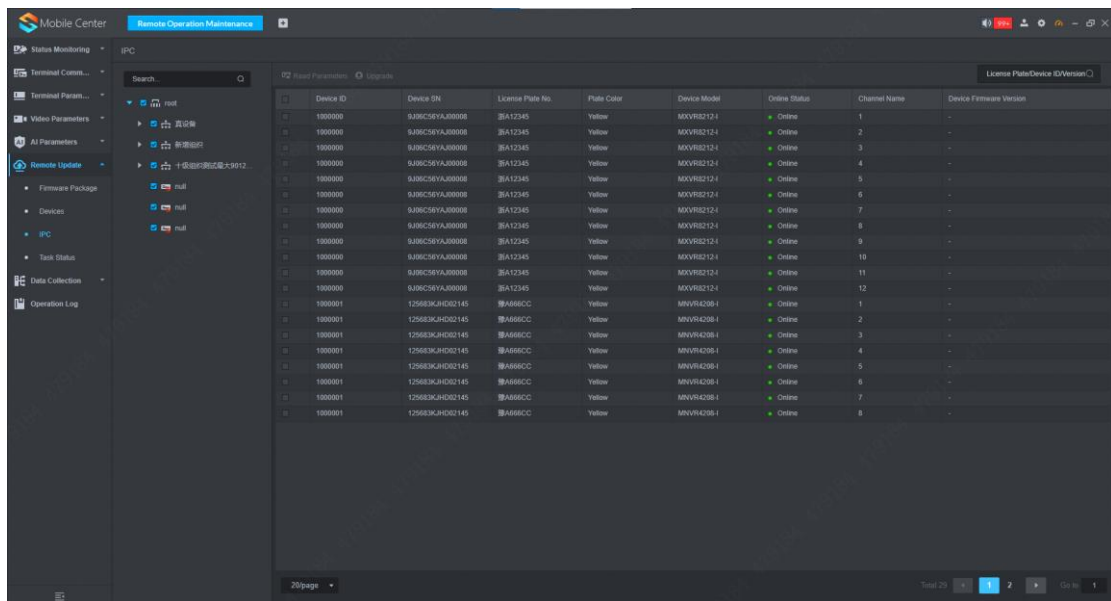
- Select the upgraded device and click "**Read Parameters**" to view the current device program version.
- Select a single device or multiple devices and click "**Upgrade**" to upgrade the terminal devices in batches.
- Enter the license plate or device ID name in the upper right corner of the interface, and click "**Search**" to quickly find the device.

4.24.5.2.3 IPC

Users can upgrade the IPC channel here.

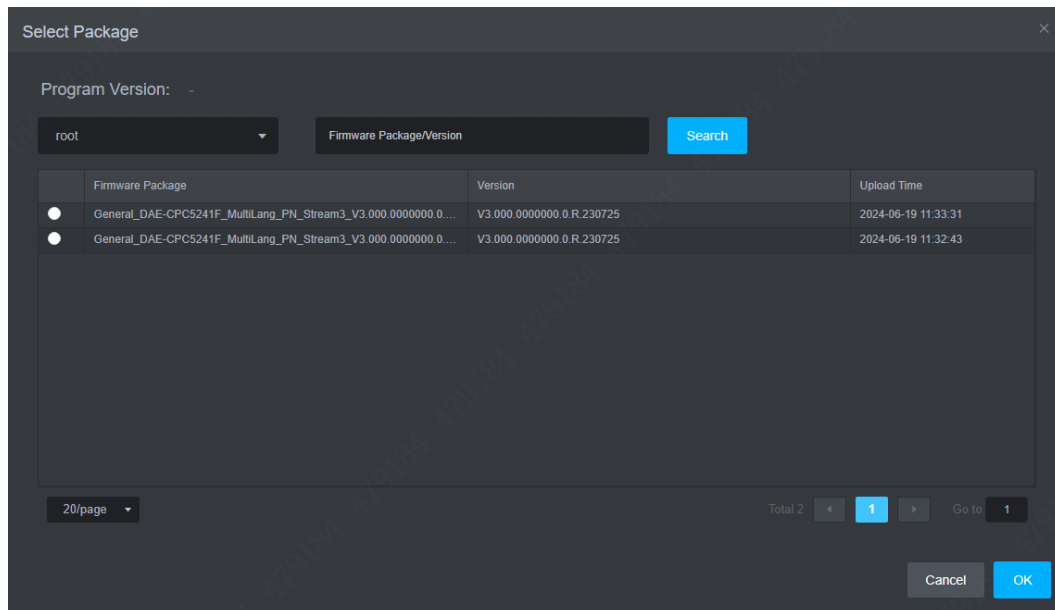
Step 1 Select  > Remote Operation Maintenance > Remote Update > IPC

Figure 4-203 IPC



Step 2 Select the channel to be upgraded and click "**Upgrade**".

Figure 4-204 Select package



Step 3 Select the package and click **OK**.

Step 4 Click **OK** in the pop-up dialog box.

The system displays "**Operation Succeed**" and the channel is upgraded.

Related Operations

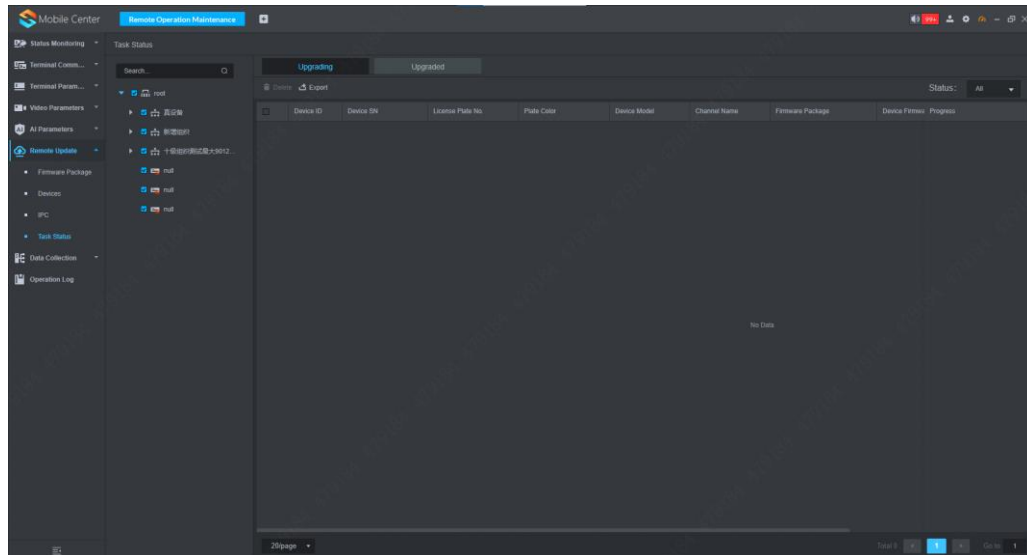
- Select the upgraded channel and click "**Read Parameters**" to view the current device program version.
- Select a single channel or multiple channels and click "**Upgrade**" to upgrade channels in batches.
- Enter the license plate or device ID name in the upper right corner of the interface, and click "**Search**" to quickly find the device.

4.24.5.2.4 Task Status

Users can view the progress and history of upgrade tasks on the platform here.

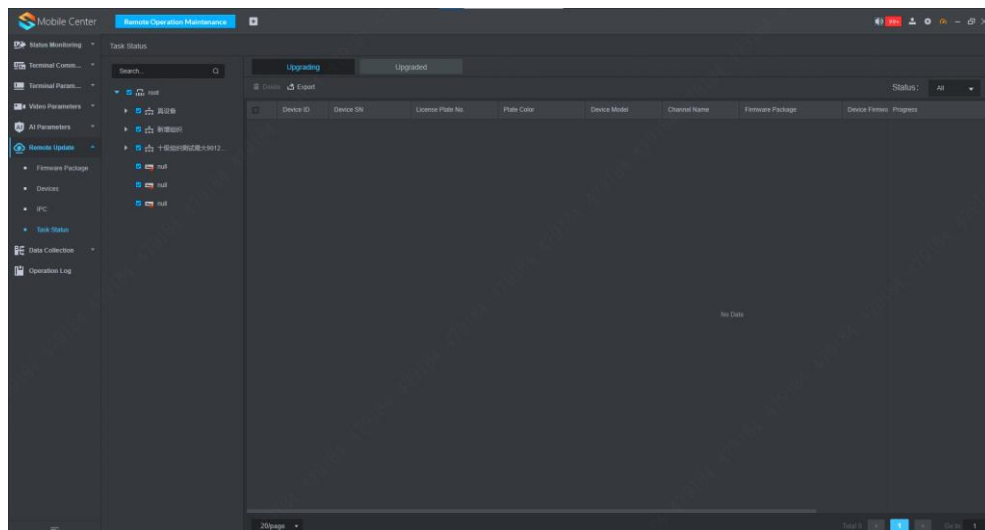
Step 1 Select  > Remote Operation Maintenance > Remote Update > Task Status

Figure 4-205 Task Status



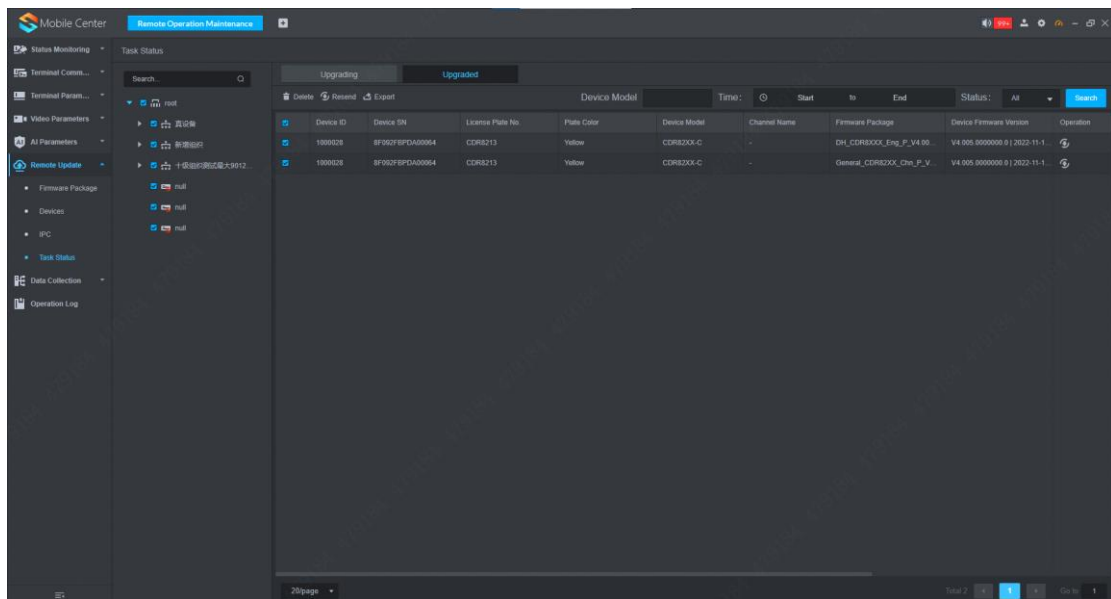
Step 2 Select the organization to view in the device tree and click **Upgrading**.
The list shows the upgrading tasks in list.

Figure 4-206 Upgrading Task



Step 3 Select the organization to view in the device tree and click **"Done"**.
The list shows the status of upgraded tasks, package information and related device information.

Figure 4-207 Upgraded Task



Related Operations

- Fill in the device model in the upper right corner of the interface, select the Time and Task Status, and click "**Search**" to quickly find the upgrade task according to different conditions.
- Select single or multiple tasks and click **Delete** to delete tasks in batches.
- Select a single task or multiple tasks and click Export to export the data locally.
- The system supports viewing the reasons for the failed upgrade. Click "Resent" on the right side of the list to redistribute the tasks that failed the upgrade.

4.24.6 Operation Log

The platform supports Searching the management operation log, which can be searched by entering the user name or filtering the event type.

Step 1 After selecting the tree on the left, click **Operation Log**, enter User Name, select **Event Type**, or select **Start Time** and **End Time**.

Step 2 Click "**Search**".

Figure 4-208 Operation Log

Username	Organization	Online Status	Event Type	Details	IP	Time
system	root	Offline	Remote Update	下载升级包: DH_CDRXXXX_	10.54.44.12	2024-06-19 14:00:44
system	root	Offline	Remote Update	下载升级包: General_CDR8	10.54.44.12	2024-06-19 14:02:26
system	root	Offline	Remote Update	上传升级包: General_CDRXXXX_	10.54.44.12	2024-06-19 12:00:43
system	root	Offline	Remote Update	上传升级包: DH_MDU5100_Cha_	10.54.44.12	2024-06-19 11:43:47
system	root	Offline	Remote Update	上传升级包: DH_MDU5100_6X_0X_	10.54.44.12	2024-06-19 11:42:08
system	root	Offline	Remote Update	上传升级包: General_MXV87X_8_	10.54.44.12	2024-06-19 11:40:37
system	root	Offline	Remote Update	上传升级包: General_MXV800B_	10.54.44.12	2024-06-19 11:34:51
system	root	Offline	Remote Update	上传升级包: DH_CDRXXXX_Eng	10.54.44.12	2024-06-19 11:34:51
system	root	Offline	Remote Update	上传升级包: General_DAE-CPCS_	10.54.44.12	2024-06-19 11:33:31
system	root	Offline	Remote Update	上传升级包: General_DAE-CPCS_	10.54.44.12	2024-06-19 11:32:43
system	root	Offline	Remote Update	上传升级包: General_MXV800B_	10.54.44.12	2024-06-19 11:30:36
system	root	Offline	Remote Update	上传升级包: DH_CDRXXXX_Eng	10.54.44.12	2024-06-19 11:28:00

Step 3 After selecting the tree on the left, click **Refresh** to get the latest log information.

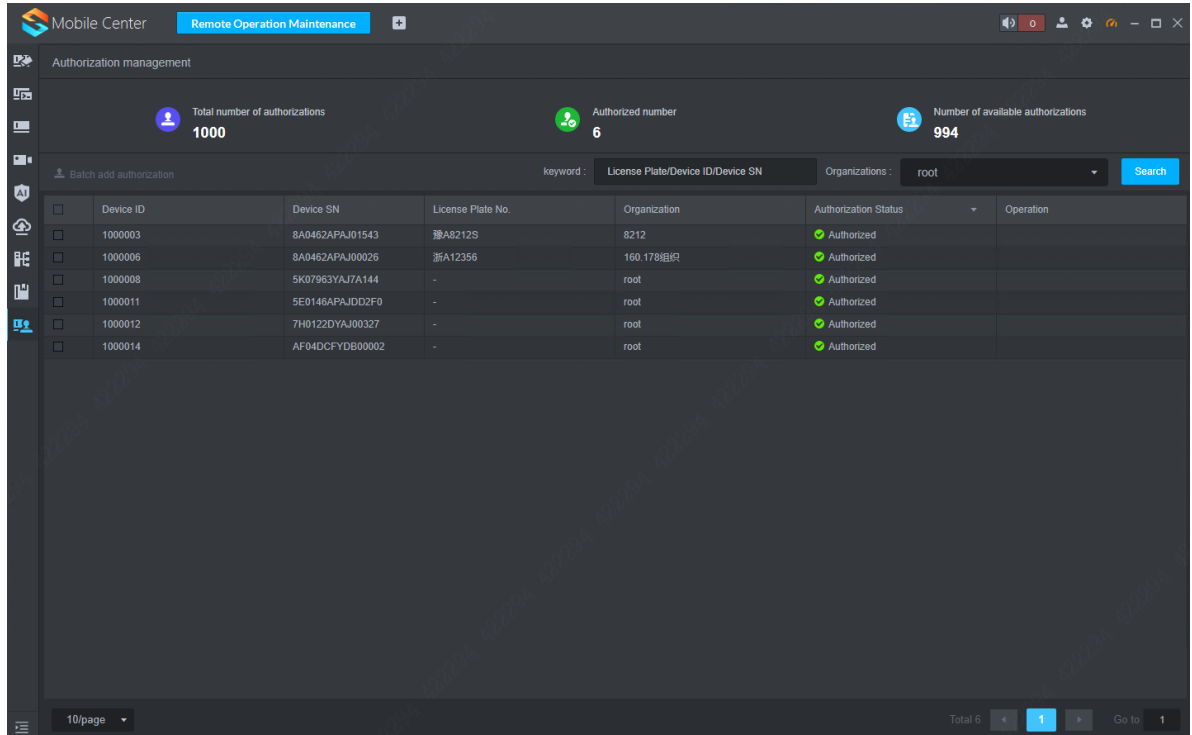
4.24.7 Authorization Management

Users can view information such as the total number of authorizations, the number of authorizations, and the number of available authorizations.

Step 1 Select > Remote Operation Maintenance > Authorization Management

Step 2 Enter the keywords and organization, click **Search** and the authorization management interface will be displayed..

Figure 4-209 Authorization Management



Step 3 Check the device ID, device serial number, license plate number, affiliated organization, authorization status and other information.

Step 4 Click . Supports adding authorization for the selected device. After the successful addition is shown, the authorization status will be displayed as authorized.

Related Operations

Batch add authorization : Select one or more devices and click **Batch add authorization** to batch authorize the devices.

Appendix 1 Cybersecurity Recommendations

Cybersecurity is more than just a buzzword: it's something that pertains to every device that is connected to the internet. IP video surveillance is not immune to cyber risks, but taking basic steps toward protecting and strengthening networks and networked appliances will make them less susceptible to attacks. Below are some tips and recommendations on how to create a more secured security system.

Mandatory actions to be taken for basic device network security:

1. Use Strong Passwords

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters;
- Include at least two types of characters; character types include upper and lower case letters, numbers and symbols;
- Do not contain the account name or the account name in reverse order;
- Do not use continuous characters, such as 123, abc, etc.;
- Do not use overlapped characters, such as 111, aaa, etc.;

2. Update Firmware and Client Software in Time

- According to the standard procedure in Tech-industry, we recommend to keep your device (such as NVR, DVR, IP camera, etc.) firmware up-to-date to ensure the system is equipped with the latest security patches and fixes. When the device is connected to the public network, it is recommended to enable the "auto-check for updates" function to obtain timely information of firmware updates released by the manufacturer.
- We suggest that you download and use the latest version of client software.

"Nice to have" recommendations to improve your device network security:

1. Physical Protection

We suggest that you perform physical protection to device, especially storage devices. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware, unauthorized connection of removable device (such as USB flash disk, serial port), etc.

2. Change Passwords Regularly

We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

3. Set and Update Passwords Reset Information Timely

The device supports password reset function. Please set up related information for password reset in time, including the end user's mailbox and password protection questions. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

4. Enable Account Lock

The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

5. Change Default HTTP and Other Service Ports

We suggest you to change default HTTP and other service ports into any set of numbers between 1024~65535, reducing the risk of outsiders being able to guess which ports you are using.

6. Enable HTTPS

We suggest you to enable HTTPS, so that you visit WEB service through a secure communication channel.

7. MAC Address Binding

We recommend you to bind the IP and MAC address of the gateway to the device, thus reducing the risk of ARP spoofing.

8. Assign Accounts and Privileges Reasonably

According to business and management requirements, reasonably add users and assign a minimum set of permissions to them.

9. Disable Unnecessary Services and Choose Secure Modes

If not needed, it is recommended to turn off some services such as SNMP, SMTP, UPnP, etc., to reduce risks.

If necessary, it is highly recommended that you use safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption passwords and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up strong passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up strong passwords.

10. Audio and Video Encrypted Transmission

If your audio and video data contents are very important or sensitive, we recommend that you use encrypted transmission function, to reduce the risk of audio and video data being stolen during transmission.

Reminder: encrypted transmission will cause some loss in transmission efficiency.

11. Secure Auditing

- Check online users: we suggest that you check online users regularly to see if the device is logged in without authorization.
- Check device log: By viewing the logs, you can know the IP addresses that were used to log in to your devices and their key operations.

12. Network Log

Due to the limited storage capacity of the device, the stored log is limited. If you need to save the log for a long time, it is recommended that you enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

13. Construct a Safe Network Environment

In order to better ensure the safety of device and reduce potential cyber risks, we recommend:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network.
- The network should be partitioned and isolated according to the actual network needs. If there are no communication requirements between two sub networks, it is suggested to use VLAN, network GAP and other technologies to partition the network, so as to achieve the network isolation effect.
- Establish the 802.1x access authentication system to reduce the risk of unauthorized access to private networks.

- Enable IP/MAC address filtering function to limit the range of hosts allowed to access the device.

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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