



DSS Express V8.003.0000000.0.R

Release Notes



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Table of Contents

Legal Information.....	I
Release Notes	1
1.1 Basic Version Information.....	1
1.2 New and Optimized Functions	1
1.2.1 New Functions.....	1
1.2.2 Optimized Functions.....	2
1.2.3 Fixed Bugs.....	4
1.3 Description of New and Optimized Functions.....	5
1.3.1 Device Management	5
1.3.2 Storage Management.....	5
1.3.3 Event.....	6
1.3.4 Person and Vehicle Management.....	10
1.3.5 Monitoring Center.....	12
1.3.6 DeepXplore	17
1.3.7 Access Control.....	18
1.3.8 Visitor.....	21
1.3.9 Video Intercom.....	22
1.3.10 Parking Lot.....	22
1.3.11 System Parameter.....	23
1.3.12 Platform Management Tool.....	23
1.3.13 Local Configuration.....	24
1.4 Operating System Compatibility Description.....	25

Release Notes

1.1 Basic Version Information

Product name	DSS Professional
Version	V8.003.0000000.0.R
Software package information	General_DSS-Express_Server_Win64_IS_V8.003.0000000.0.R.20230701.exe
OS requirements	CPU: Intel Xeon Silver 4114@ 2.2 GHz 10-core Processor Memory: 16 GB Network adapter: 1000 Mbps Hard disk type: Enterprise-level HDD 1 TB Free space: No less than 500 GB
Release date	July 2023

1.2 New and Optimized Functions

1.2.1 New Functions

Module	Functions
Device management	Supports accessing and controlling alarm output channels of access control devices.
Event	<ul style="list-style-type: none">• Supports processing alarms in batches.• Supports mandatory remarks for processing events. When a user is processing an event, the user must enter remarks.• Supports configuring preprocessing remarks for events. When users are processing an event, the defined remarks will be filled in by default.• Added the unlicensed vehicles event for video channel.
Person and vehicle management	<ul style="list-style-type: none">• Supports customizing more information for people.• For people that have been added to the platform, you can import images in batches to set their images at the same time.• Supports granting people or person groups access to doors or lifts by access rules. If you grant access to a person group, the access will also be granted to all people in the group.

Module	Functions
Monitoring center	<ul style="list-style-type: none"> Added public view and private view. The specified roles and their users can access the resources in the public view, while the private view is configured and owned by each user, and can be shared to other users. Supports adjusting the volume of TiOC camera. Supports multi-level management of favorites and sharing to other users. The maximum level of favorites supports 10 levels. Supports one click to set all preview windows as alarm windows.
DeepXplore	Supports adding faces in the search results to arming lists.
Access Control	<ul style="list-style-type: none"> Supports checking the people on a device against those on the platform, and quickly address issues if any occurs. Added the Task Details page where you can view the progress of applying access rules to access points.
Parking lot	Supports allowing vehicles with no license plates to enter. When configuring the passing rule for a parking lot, if you select All Vehicles, you can choose whether to allow unlicensed vehicles to enter or exit. If this function is enabled, all vehicle without license plates will be able to enter or exit the parking lot.
System parameter	Supports creating or importing a CA certificate.
Local configuration	<ul style="list-style-type: none"> Supports prioritizing videos stored on the platform or devices for video playback. Supports exporting configurations of the PC client for the current user, and importing them to another PC client. Supports configuring displaying whether to display the recording status of devices. Added frame extraction modes, which include do not extract, self-adaptive, and force.
Platform Management Tool	<ul style="list-style-type: none"> Supports all languages that are supported by the PC client. Supports displaying ports that needed to be mapped for different functions in LAN and WAN mapping.

1.2.2 Optimized Functions

Module	Function Description
Device management	<ul style="list-style-type: none"> For multi-channel IPCs added to the platform through NVR, the platform will display the video channel each alarm input channel belongs to. Removed the function where you can configure the parameters of IPCs. Device names and passwords support all characters. The reasons will be displayed for devices that go offline because SIP numbers are repeated.
User management	<ul style="list-style-type: none"> Administrators can view their own user information. Notifications will be displayed after roles or users are deleted.

Module	Function Description
Storage management	Supports configuring the retention period of central recording for multiple channels in batches. When you have configured the retention period for a video channel, you can apply the configuration to other channels.
Event	<ul style="list-style-type: none"> • Supports up to 200 email templates. • Supports up to 3,000 time templates. • Supports double-click to zoom in on images and maps. • Support subscribing to images of custom alarms. After subscribing, the platform can receive images from the alarms. • Supports loop and override modes. When alarms are triggered, specified video channels will be opened on video walls. • Support setting the alarm video pre-recording mode for devices in batches, including platform cache or on the device. • When processing events, the processing methods include processed (confirm as alarm, false alarm) and forward. • Supports playing back videos in full screen. • The names of the event types for access control channels are changed to alarm event, abnormal access, and normal access.
Person and vehicle management	<ul style="list-style-type: none"> • Supports importing vehicle information when importing people in batches. • Only administrators are allowed to delete people in batches. Login password verification and a second confirmation prompt are also added when deleting people in batches. • Support granting people access rights through access rules. • Supports creating App accounts for people in simple steps. • The name of a person can be up to 127 characters.
Monitrong center	<ul style="list-style-type: none"> • Supports voice intercom with NVR/XVR/IVSS/EVS. • Supports synchronous playback of recordings from multiple channels. • Supports playing back videos forward and backward frame by frame, and adjusting the play speed through the keyboard's arrow keys. Additionally, press and hold the left and right arrow keys to continuously play back frames forward or backward. • When playing back a video or multiple videos synchronously, the current play speed will be kept after switching between forward and backward playback. • Support searching for video tags. • After selecting a fisheye view, it will be saved even if you close and reopen the channel or the PC client. • When playing back videos stored on devices, you can filter videos by main stream and sub stream.
DeepXplore	Supports exporting results within up to 31 days.
Access control	<ul style="list-style-type: none"> • Access control devices are categorized into access control recognition terminals and access controllers. • Door control is updated access control based on zones and access points. <ul style="list-style-type: none"> ◇ Manage zones. ◇ Configure and maintain access rules.

Module	Function Description
	<ul style="list-style-type: none"> ◇ In the access control panel, door channels in different zones can be viewed and controlled. ◇ For access records, you can view historical access events, analysis on people entering and exiting, and the movement path of people. ● Optimized the speed of applying access rules to devices.
Visitor	When registering a visitor, the arrival time will be the current time and cannot be changed.
Video intercom	The reasons will be displayed when contacts and private passwords are failed to be sent.
Intelligent analysis	Supports exporting a heat map that covers up to 1 month.
Notification center	A notification will be generated when a device reconnects to the platform.
System parameter	<ul style="list-style-type: none"> ● For message retention period, access control records are updated to access records. ● Login password authentication is applied to all video download operations. ● NTP time synchronization supports server domain names.
Local configuration	<ul style="list-style-type: none"> ● Support configuring the alarm pop-up window and client to be displayed on top when an alarm is triggered. ● Added shortcut keys for increasing/decreasing the playback speed and for playing back videos frame by frame forward or backward. ● Supports setting the maximum size of a recording file. When the limit is reached, the platform will automatically divide it into multiple files. 32-bit operating systems support up to 4 GB, while 64-bit operating systems support up to 1024 GB. ● Supports setting the input and display format of access cards, including decimal and hexadecimal modes.
Platform management tool	<ul style="list-style-type: none"> ● Optimized the process and pages during installation. ● Optimized certain services and ports.
Others	Updated security baseline to V3.0.

1.2.3 Fixed Bugs

- On a map, after using the rectangle function to select certain devices, and then chose to show certain types of devices, devices that were not selected were displayed in the list.
- When touring channels, the content in the right-click menu were not correctly after you right-click a window that was playing a video.
- After the people counting rule of an IPC connected to a storage device was edited, the platform must synchronize twice to successfully update its information.
- The heat map of an IPC connected to an NVR that was searched for on the platform was inconsistent with the data on the IPC.
- When configuring combined rules, if abnormal characters were entered in the name, the platform would prompt that it could not be empty after clearing the name content.








1.3 Description of New and Optimized Functions

1.3.1 Device Management

- For multi-channel IPCs added to the platform through NVR, the platform will display the video channel each alarm input channel belongs to.

Figure 1-1 Associated channels

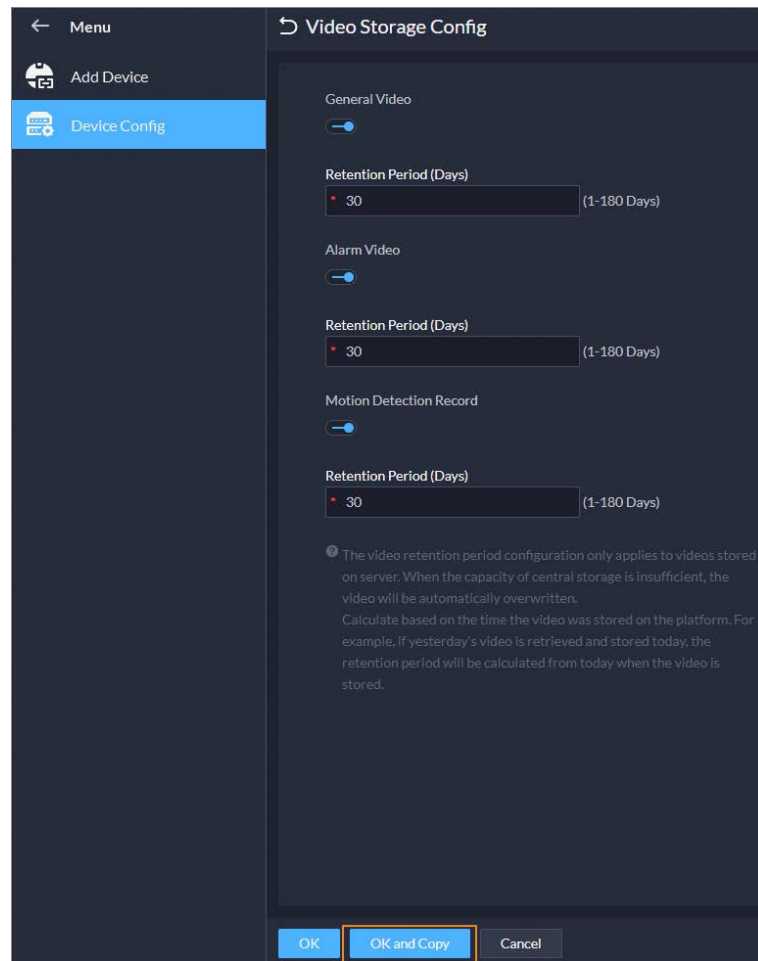
Number of Channels: (0-1024)

Channel No.	Channel Name	Channel Type	Associated Channel Name	Associated Channel No.	Alarm Type	Operation
1	К а Н а л 29_1	Remote	К а Н а л 29	1	Remote External Alarm	
2	К а Н а л 29_2	Remote	К а Н а л 29	1	Remote External Alarm	
3	К а Н а л 29_3	Remote	К а Н а л 29	1	Remote External Alarm	
1	13.63_1	Remote	13.63	2	Remote External Alarm	
2	13.63_2	Remote	13.63	2	Remote External Alarm	
1	13.62_1	Remote	13.62	3	Remote External Alarm	
2	13.62_2	Remote	13.62	3	Remote External Alarm	

1.3.2 Storage Management

Supports configuring the retention period of central recording for multiple channels in batches. After you have configured the retention periods for a channel, you can apply the configurations to multiple channels.

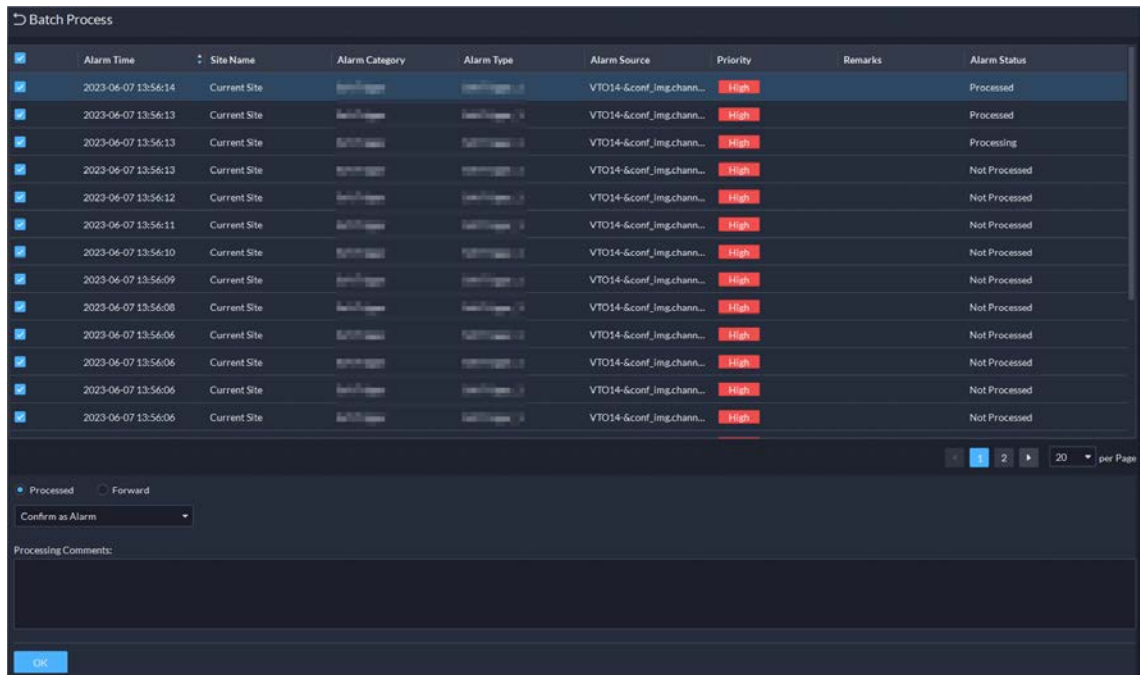
Figure 1-2 Configure retention periods in batches



1.3.3 Event

- Supports processing events in batches on the Real-time Event and Event History pages.

Figure 1-3 Process events in batches

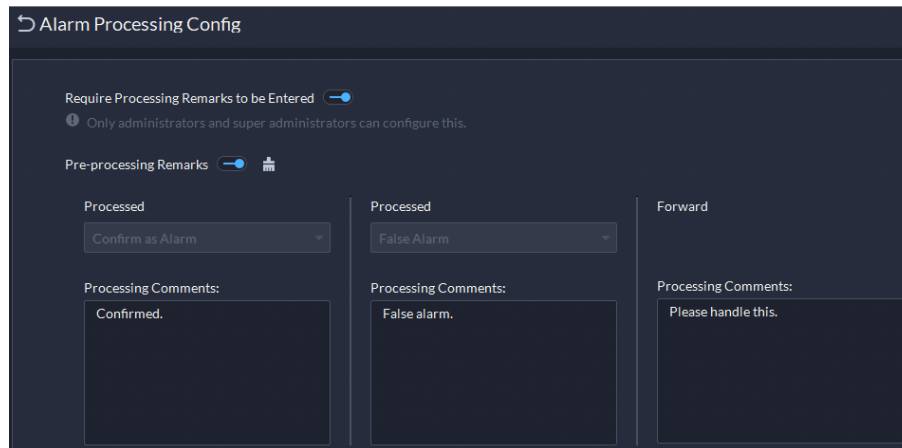


	Alarm Time	Site Name	Alarm Category	Alarm Type	Alarm Source	Priority	Remarks	Alarm Status
<input checked="" type="checkbox"/>	2023-06-07 13:56:14	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:13	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:13	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Processing
<input checked="" type="checkbox"/>	2023-06-07 13:56:13	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:12	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:11	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:10	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:09	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:08	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:06	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:06	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:06	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed
<input checked="" type="checkbox"/>	2023-06-07 13:56:06	Current Site	Image Tampering	Image Tampering	VT014-6conf_img.chann...	High		Not Processed

☒ Processed ☐ Forward
 Confirm as Alarm
 Processing Comments:
 OK

- Supports mandatory remarks for processing events. When a user is processing an event, the user must enter remarks.
- Supports configuring pre-processing remarks for events. When users are processing an event, the defined remarks will be filled in by default.

Figure 1-4 Mandatory and pre-processing remarks



Alarm Processing Config

Require Processing Remarks to be Entered ☒

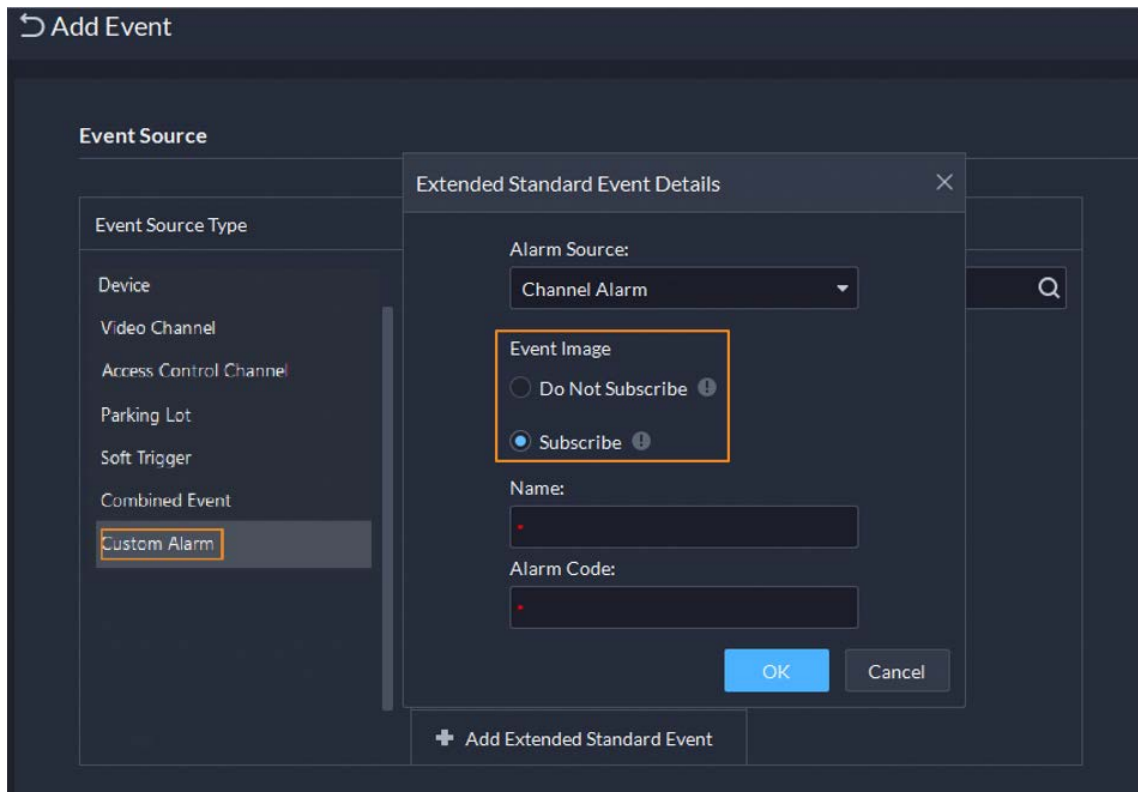
Only administrators and super administrators can configure this.

Pre-processing Remarks ☒

Processed	Processed	Forward
Confirm as Alarm	False Alarm	
Processing Comments: Confirmed.	Processing Comments: False alarm.	Processing Comments: Please handle this.

- Support subscribing to images of custom alarms. After subscribing, the platform can receive images from the alarms.

Figure 1-5 Subscribe to images



- Supports loop and override modes. When alarms are triggered, specified video channels will be opened on video walls.
 - ◇ Override mode: When an alarm occurs, a live video is opened on the specified window of a video wall. For example, if the live video of channel 1 is opened on window 1, another alarm is triggered. The platform will display the live video of channel 2 on window 1.
 - ◇ Loop mode: Linked live videos will be displayed on windows of a video wall according to the order of windows. If there are no available window, the first window will be used. The number at the end of the name of a window indicates its order. For example, window(2) indicates it is the second window.

Figure 1-6 Alarm on video wall mode

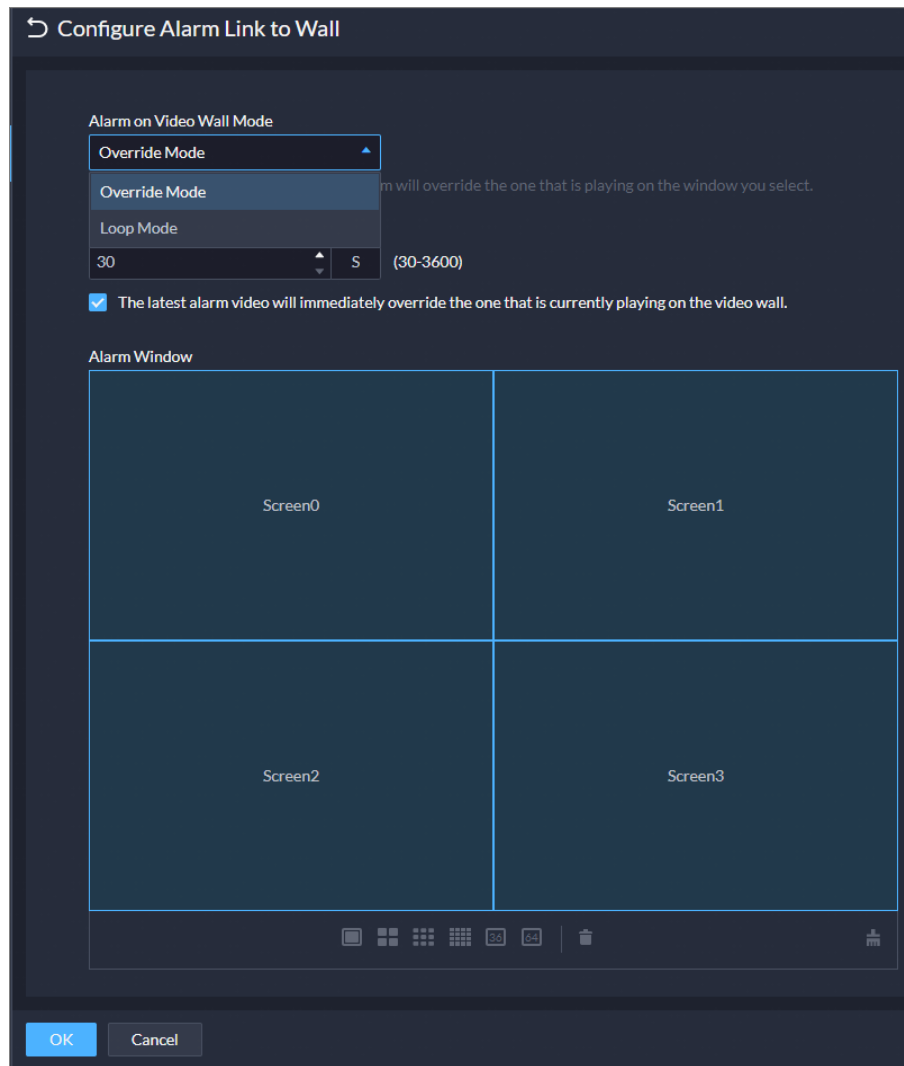
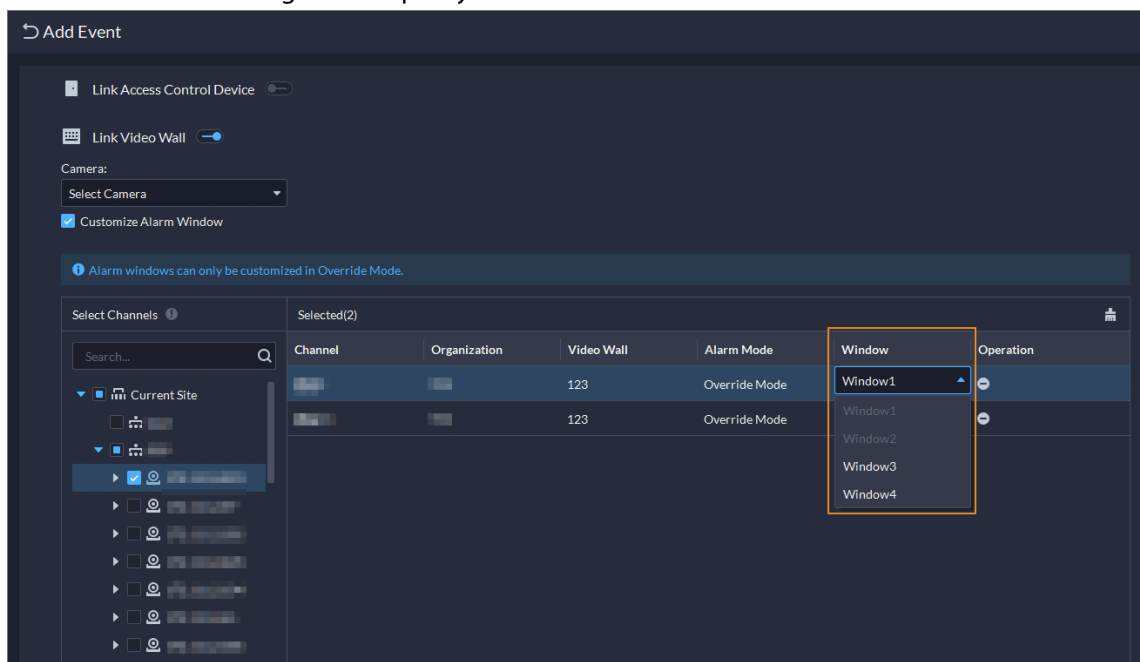
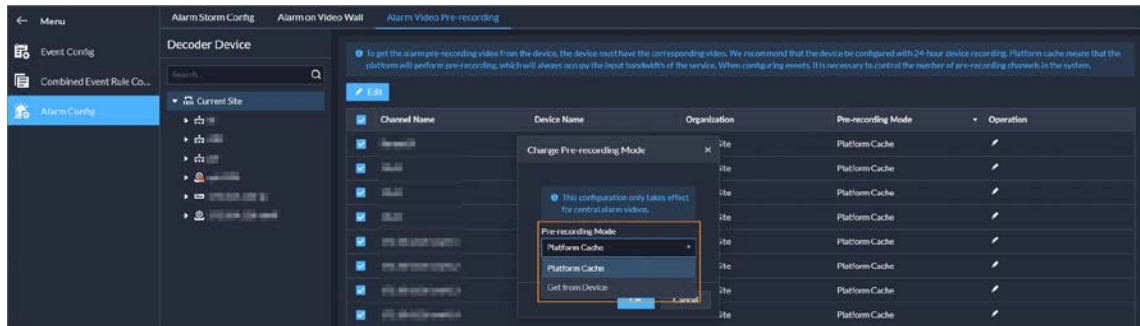


Figure 1-7 Specify window in override mode



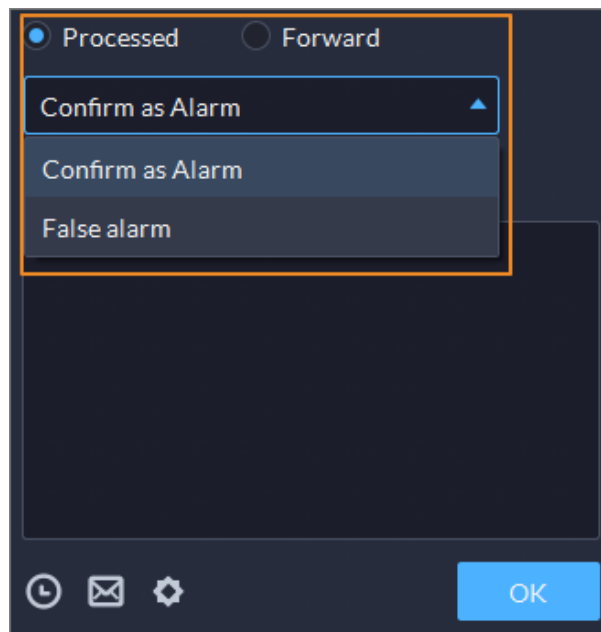
- Support setting the alarm video pre-recording mode for devices in batches, including platform cache or on the device.

Figure 1-8 Configure pre-recording mode in batches



- When processing events, the processing methods include processed (confirm as alarm, false alarm) and forward.

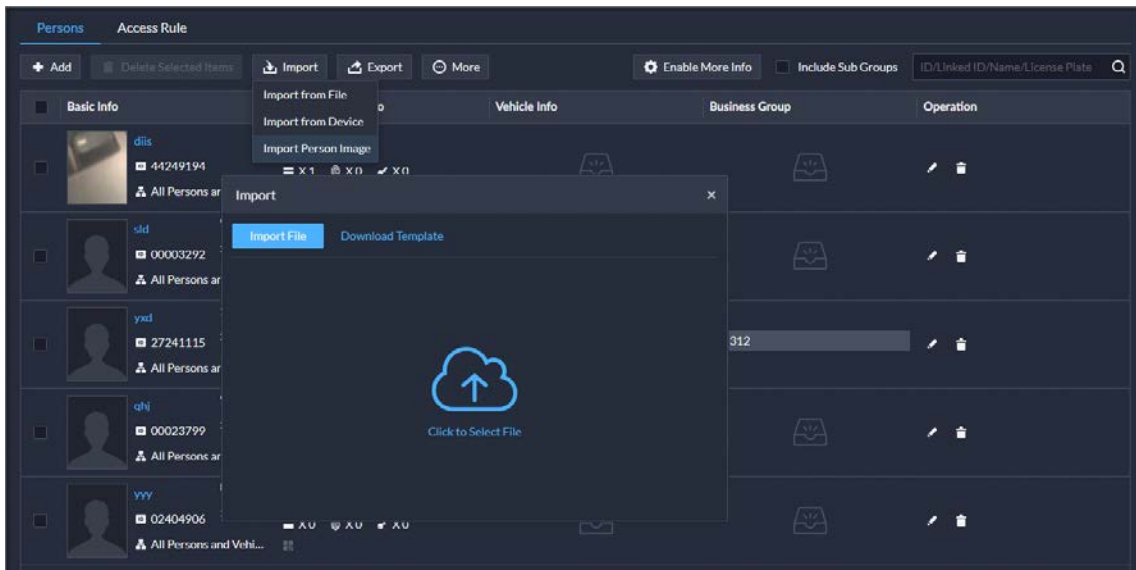
Figure 1-9 How alarms can be processed



1.3.4 Person and Vehicle Management

- For people that have been added to the platform, you can import images in batches to set their images at the same time.

Figure 1-10 Import images of people in batches



- Support granting people access rights through access rules.

Figure 1-11 Configure access rules for a person

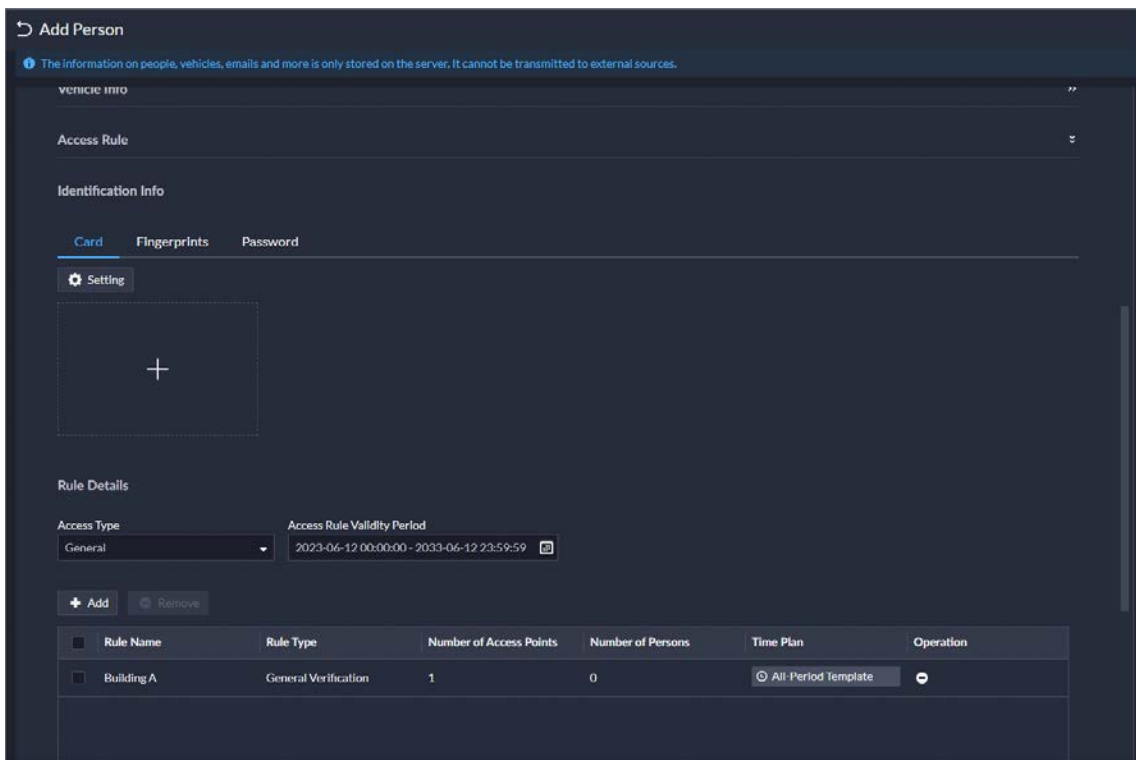
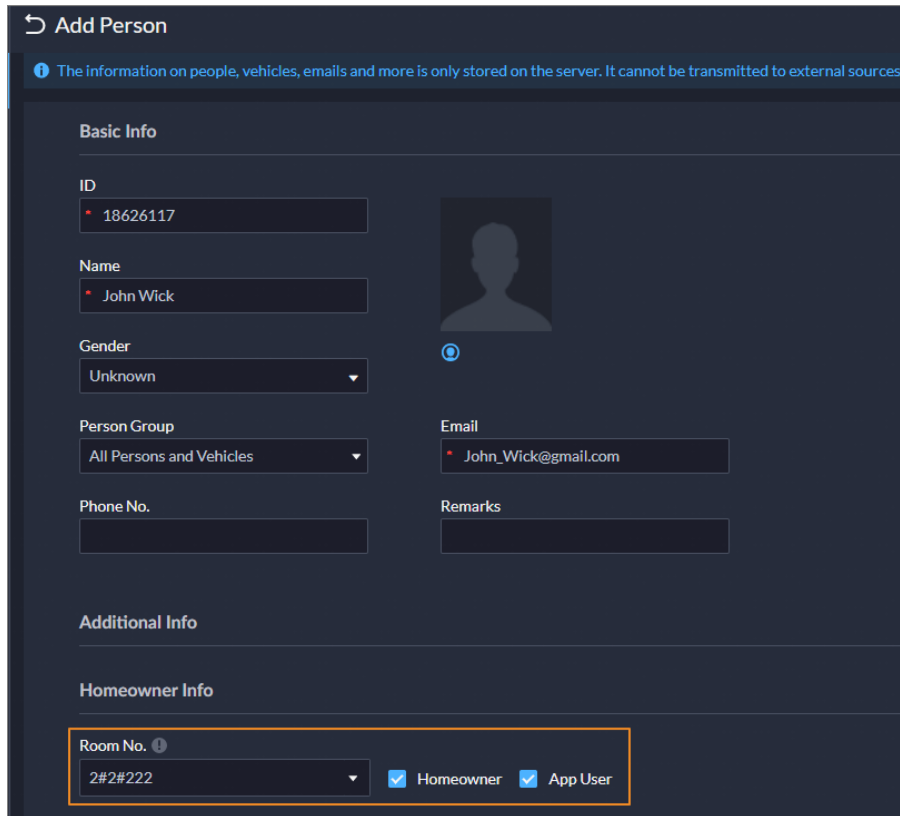


Figure 1-12 Configure access rules for a person group



- Supports creating App accounts for people in simple steps. This function is only available for homeowner. After you select the option, you must enter an email address in Basic Info. It will be used as the username for the person to log in to DSS Agile VDP. After the person is added, the platform will send the username and password to the email address.

Figure 1-13 Create App account in simple steps



1.3.5 Monitoring Center

- Added public view and private view.
 - ◇ You can create public view groups that only specified roles and their users can access the resources in them. Only administrators have permission to configure public views.

Figure 1-14 View group

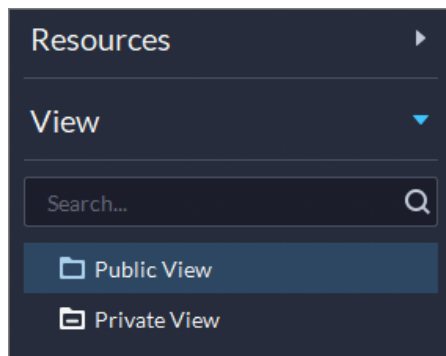
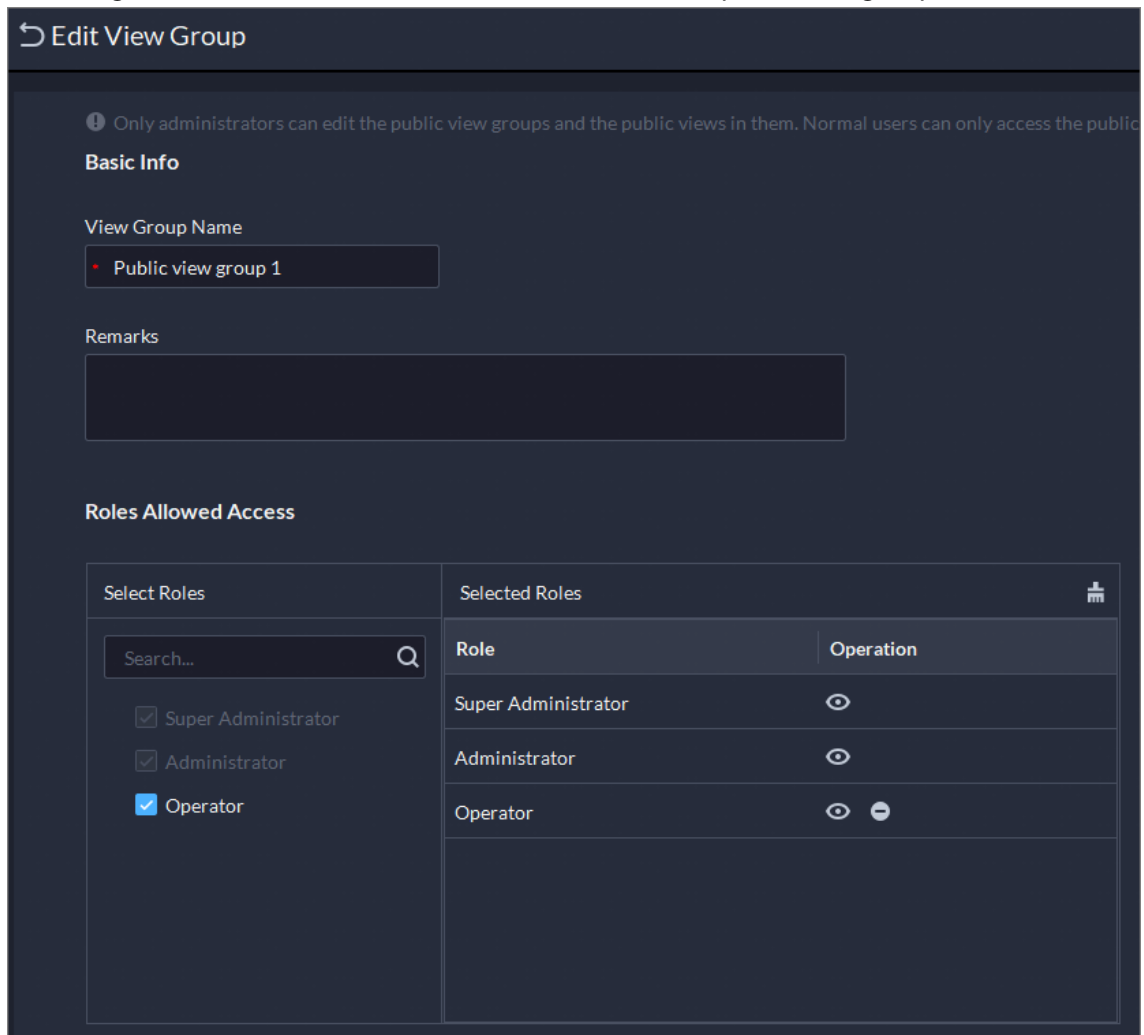


Figure 1-15 Roles and users that are allowed to access public view groups



Only administrators can edit the public view groups and the public views in them. Normal users can only access the public

Basic Info

View Group Name

Public view group 1

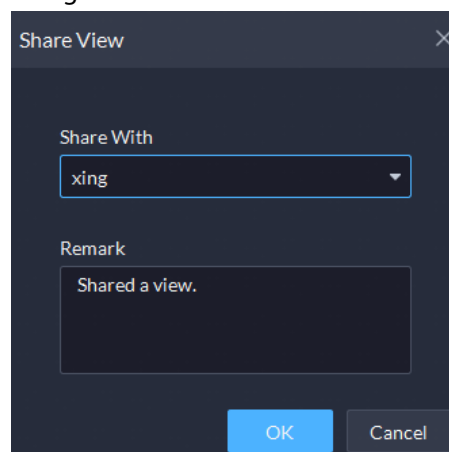
Remarks

Roles Allowed Access

Select Roles	Selected Roles								
<input checked="" type="checkbox"/> Super Administrator <input checked="" type="checkbox"/> Administrator <input checked="" type="checkbox"/> Operator	<table border="1"> <thead> <tr> <th>Role</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>Super Administrator</td> <td>👁</td> </tr> <tr> <td>Administrator</td> <td>👁</td> </tr> <tr> <td>Operator</td> <td>👁 -</td> </tr> </tbody> </table>	Role	Operation	Super Administrator	👁	Administrator	👁	Operator	👁 -
Role	Operation								
Super Administrator	👁								
Administrator	👁								
Operator	👁 -								

- ◇ You can create private view groups. The private views are configured and owned by each user, and can be shared to other users. Users who are shared with the view will receive a notification.

Figure 1-16 Share views



Share View

Share With

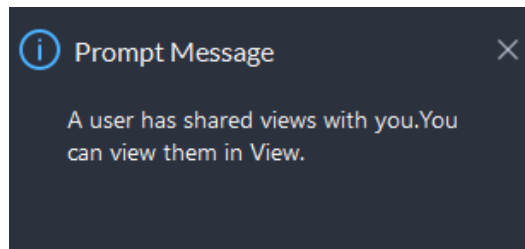
xing

Remark

Shared a view.

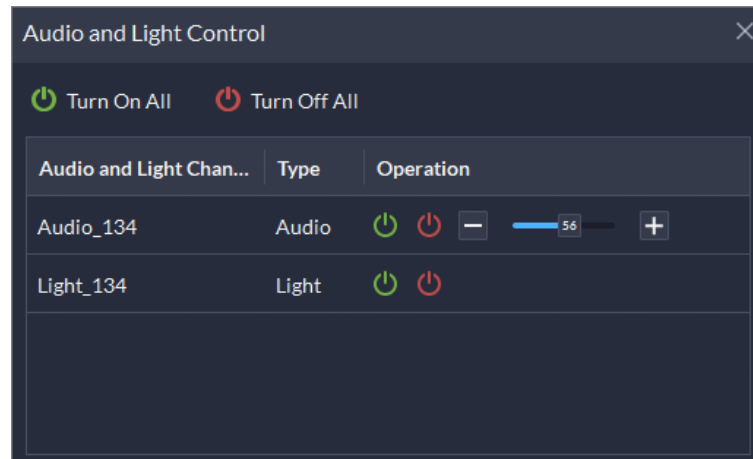
OK Cancel

Figure 1-17 Notification



- Supports adjusting the volume of TiOC cameras.

Figure 1-18 Adjust volume



- Supports multi-level management of favorites and sharing to other users. The maximum level of favorites can be up to 10.

Figure 1-19 Manage favorites folders

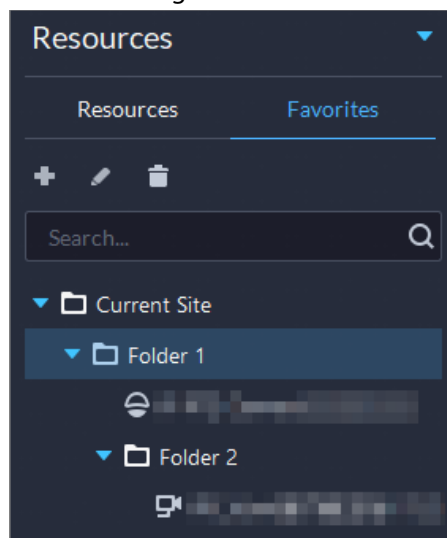
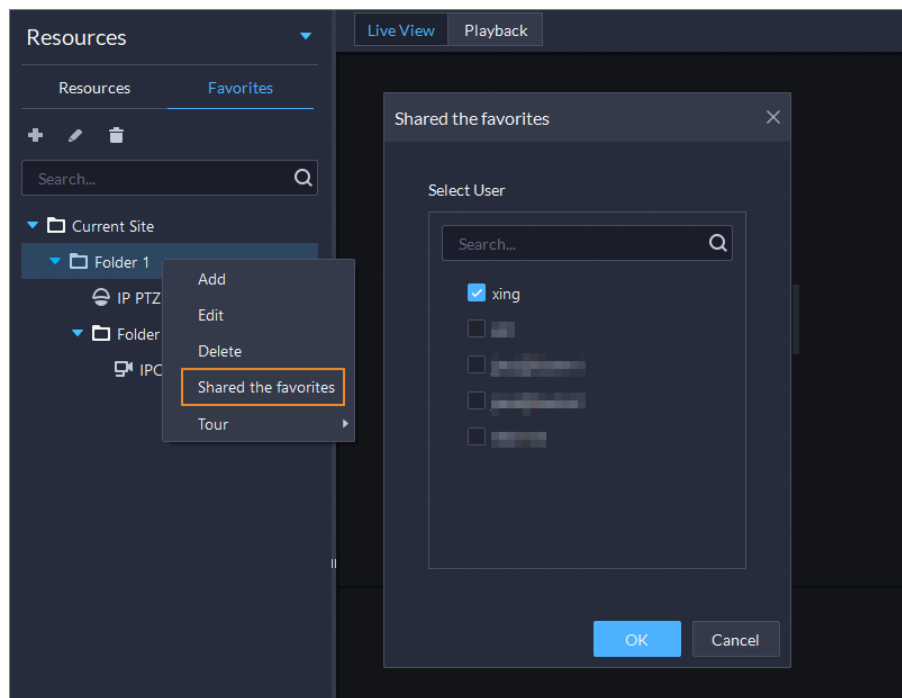
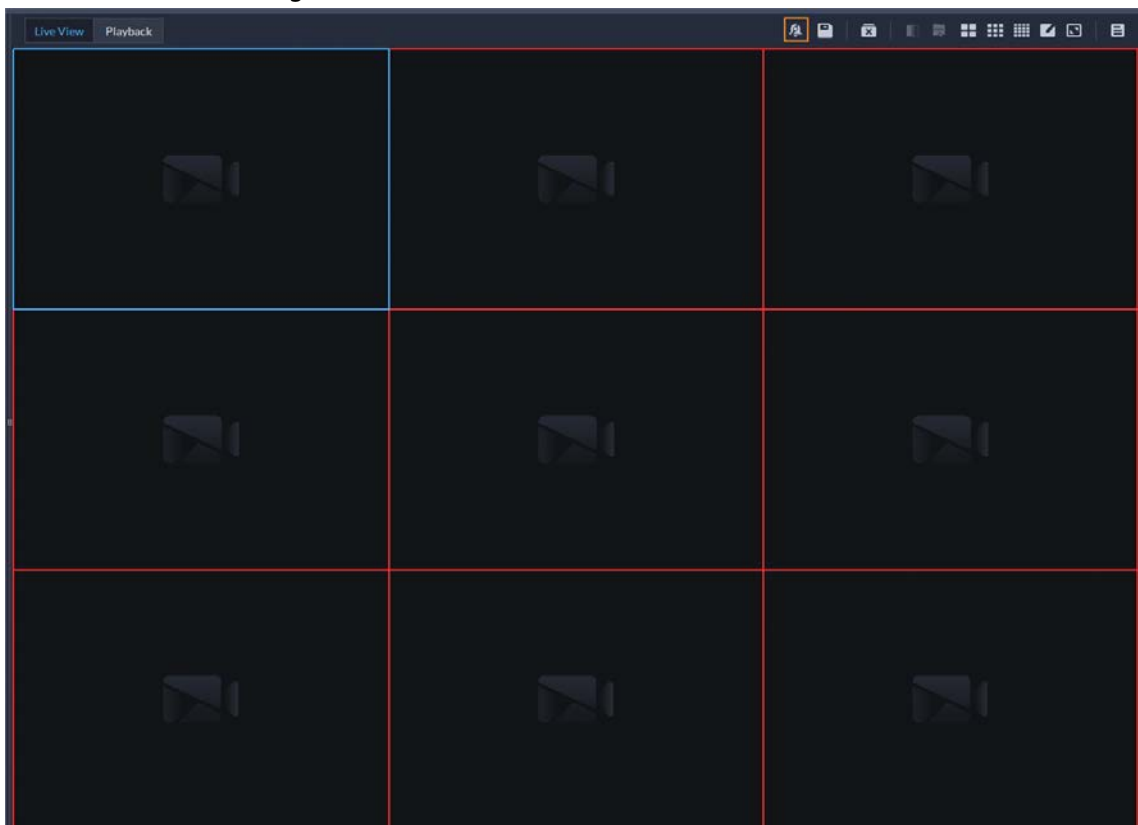


Figure 1-20 Share a folder to other users



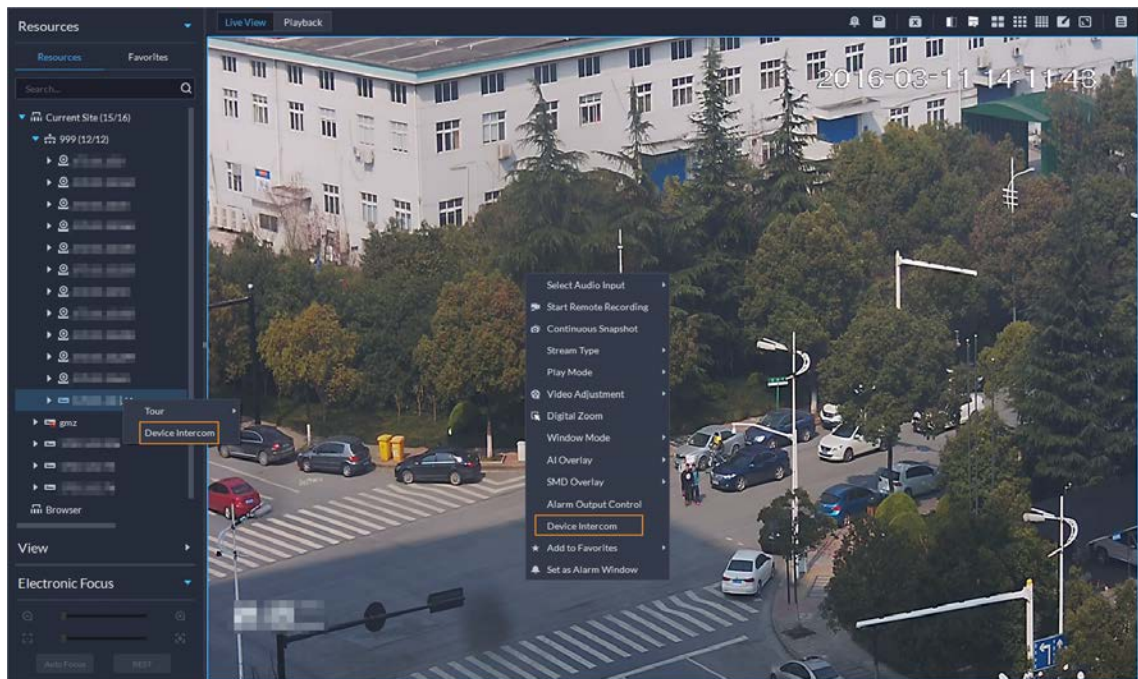
- Supports setting all windows as alarm windows in one click.

Figure 1-21 Set alarm windows in one click



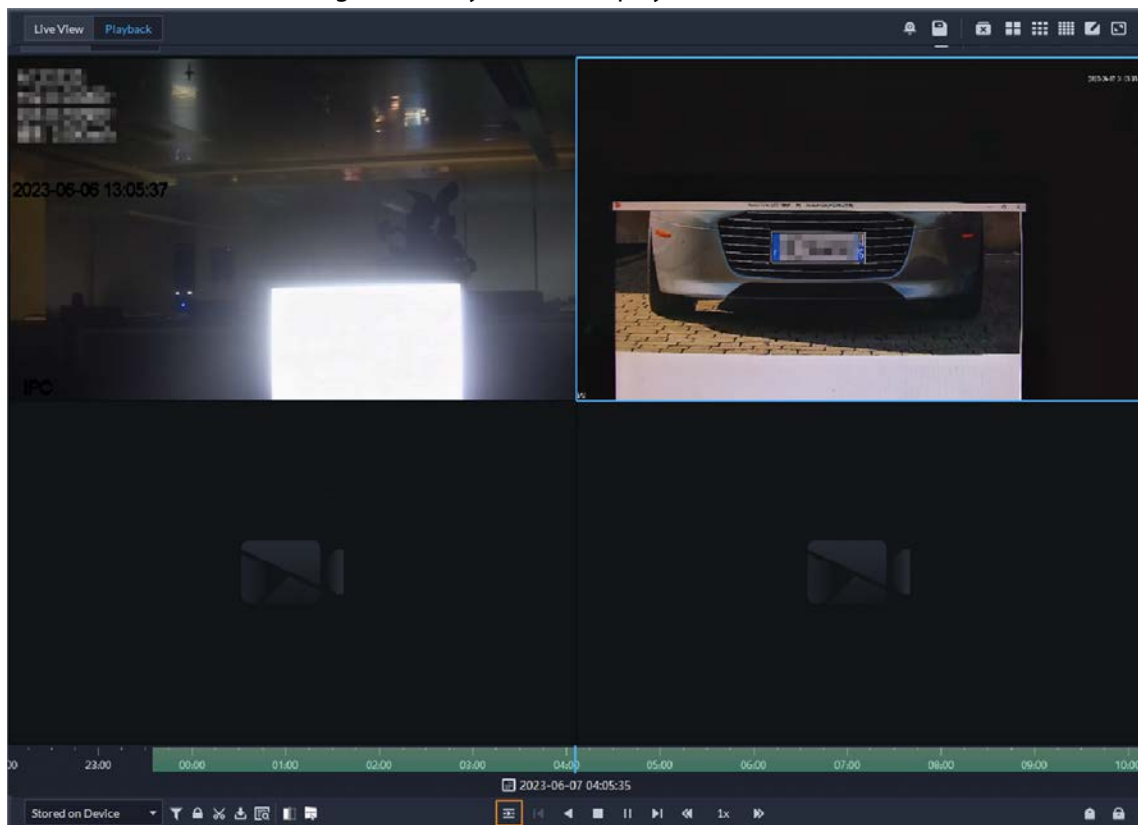
- Supports audio intercom with NVR, XVR, IVSS, and EVS.

Figure 1-22 Audio intercom



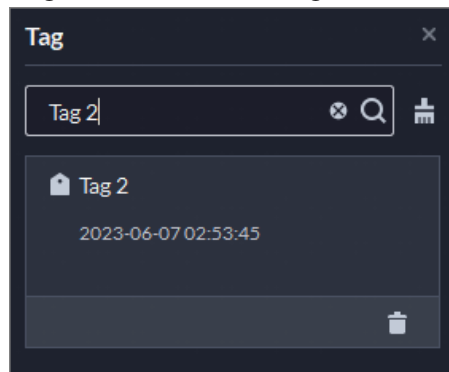
- Supports synchronous playback of recordings from multiple channels.

Figure 1-23 Synchronous playback



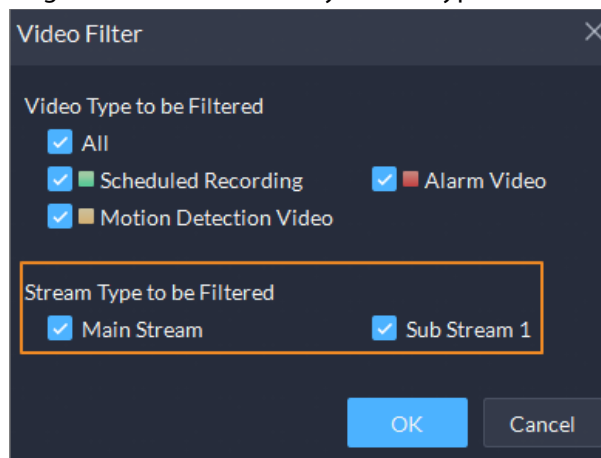
- Support searching for video tags.

Figure 1-24 Search for tags



- When playing back videos stored on devices, you can filter videos by main stream and sub stream.

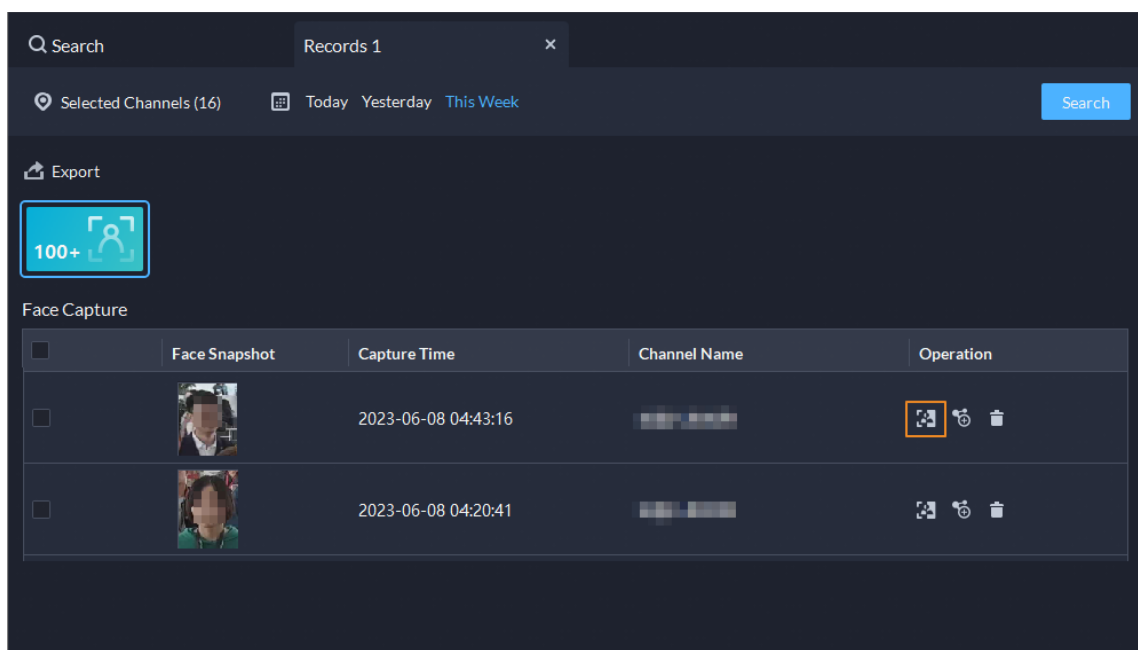
Figure 1-25 Filter videos by stream type



1.3.6 DeepXplore

Supports adding faces in the search results to arming lists.

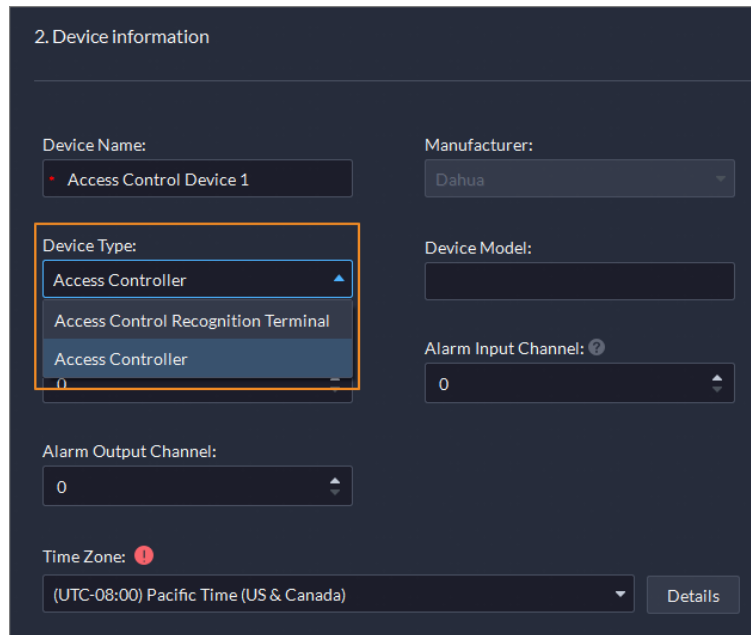
Figure 1-26 Add to arming list



1.3.7 Access Control


- Access control devices are categorized into:
 - ◇ Access control recognition terminals: Devices that can authenticate faces, fingerprints, cards, and more.
 - ◇ Access controllers: Regular and integrated access controllers.

Figure 1-27 Access control device type



- Supports checking the people on a device against those on the platform, and quickly address issues if any occurs.

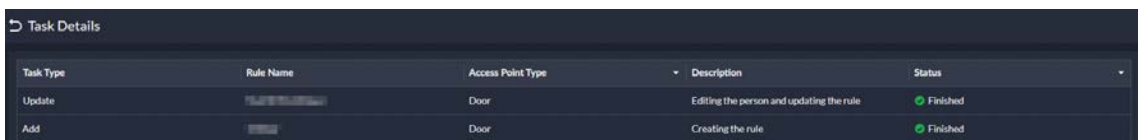
Figure 1-28 Consistency verification



Device Name	Start Time	End Time	Status
[Device Name]	2023-06-20 11:23:46		In Progress
[Device Name]	2023-06-19 16:26:35	2023-06-19 16:26:44	Abnormal View Details

- Added the Task Details page where you can view the progress of applying access rules to access points.

Figure 1-29 Task details



Task Type	Rule Name	Access Point Type	Description	Status
Update	[Rule Name]	Door	Editing the person and updating the rule	Finished
Add	[Rule Name]	Door	Creating the rule	Finished

- Door control is updated to access control based on zones and access points.
 - ◇ Manage zones. Access points are managed in different zones. Each zone can be configured with a map, and different permissions that only specified roles and their users can access a zone.

Figure 1-30 Zone management

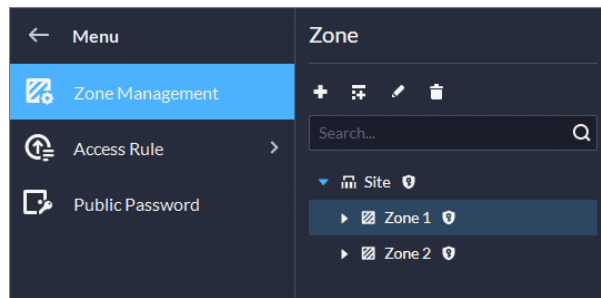
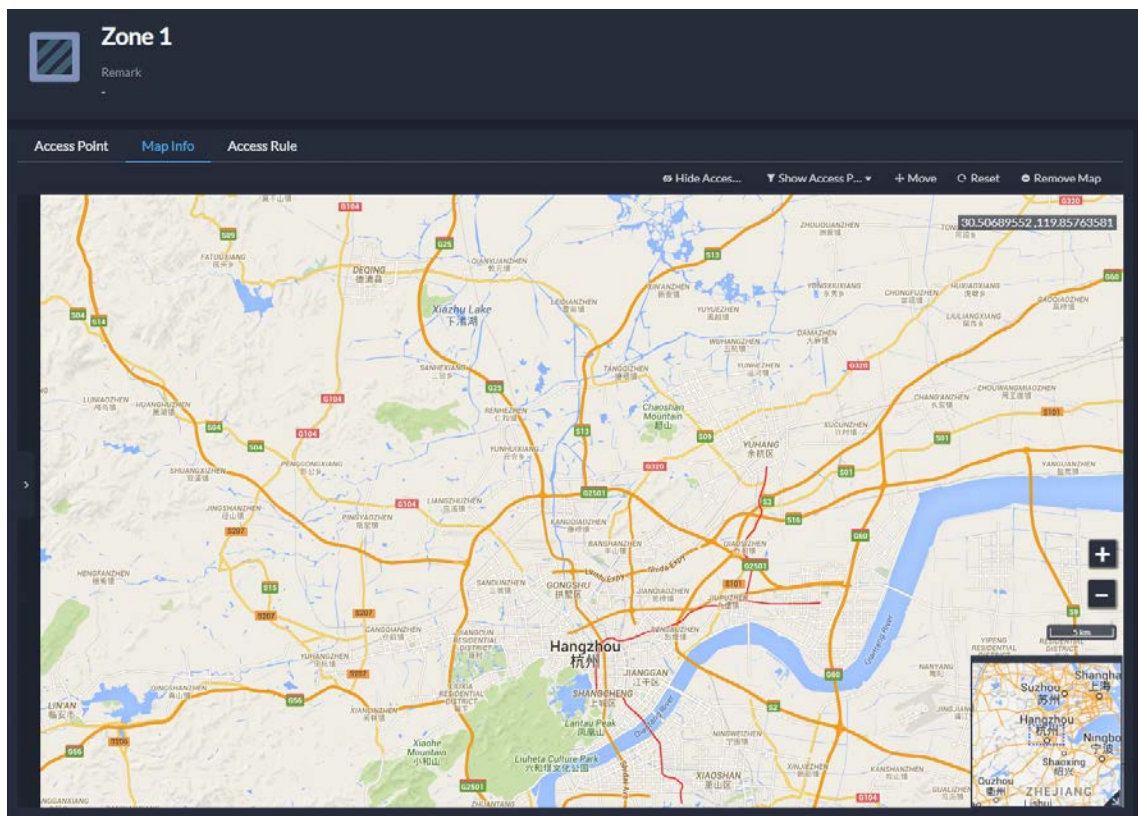
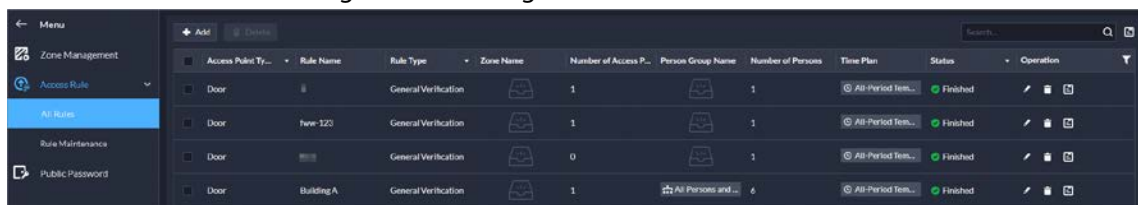


Figure 1-31 Map of a zone



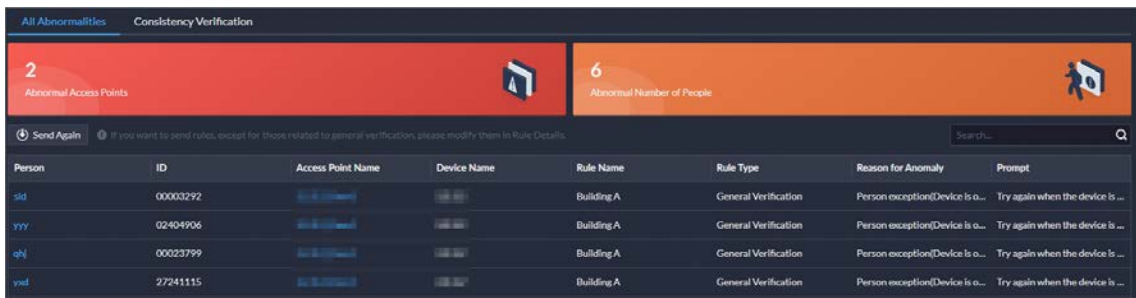
- ◇ Configure access rules to grant people access.

Figure 1-32 Configure access rules



- ◇ Maintain access rules. View exceptions that happen when access rules are being applied to access points. You can handle the exceptions accordingly and then quickly apply them again in one click.

Figure 1-33 Maintain access rules



Person	ID	Access Point Name	Device Name	Rule Name	Rule Type	Reason for Anomaly	Prompt
sd	00003292	...	...	Building A	General Verification	Person exception(Device is o...	Try again when the device is ...
yyy	02404906	...	...	Building A	General Verification	Person exception(Device is o...	Try again when the device is ...
qh	00023799	...	...	Building A	General Verification	Person exception(Device is o...	Try again when the device is ...
ysl	27241115	...	...	Building A	General Verification	Person exception(Device is o...	Try again when the device is ...

- ◇ Use the consistency verification to quickly check the people on a device against those on the platform, and quickly address issues if any occurs.

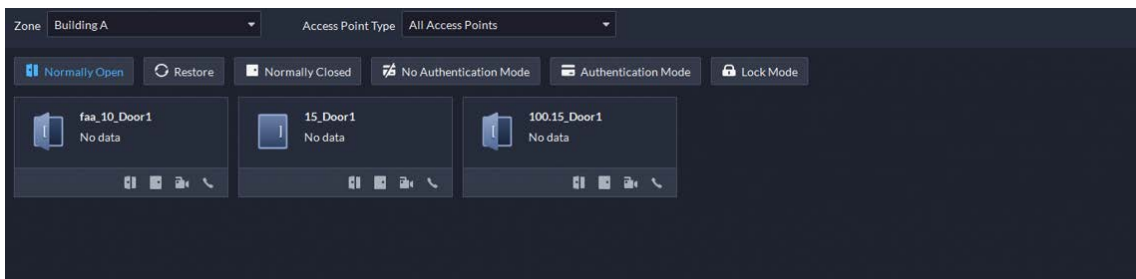
Figure 1-34 Consistency verification



Device Name	Start Time	End Time	Status
...	2023-06-12 18:25:51	2023-06-12 18:25:57	Finished
...	2023-06-12 17:55:58	2023-06-12 17:56:03	Abnormal View Details
...	2023-06-12 17:55:32	2023-06-12 17:55:50	Abnormal View Details

- ◇ In the access control panel, door channels in different zones can be viewed and controlled.

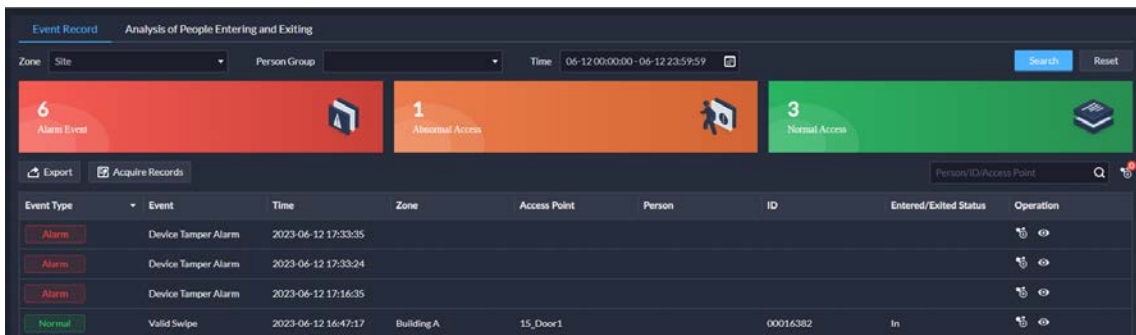
Figure 1-35 Access control panel



Zone	Building A	Access Point Type	All Access Points
Normally Open	Restore	Normally Closed	No Authentication Mode
Authentication Mode	Lock Mode		
faa_10_Door1	15_Door1	100.15_Door1	No data

- ◇ For access records, you can view historical access events, analysis on people entering and exiting, and the movement path of people.

Figure 1-36 Access records



Event Type	Event	Time	Zone	Access Point	Person	ID	Entered/Exited Status	Operation
Alarm	Device Tamper Alarm	2023-06-12 17:33:35						
Alarm	Device Tamper Alarm	2023-06-12 17:33:24						
Alarm	Device Tamper Alarm	2023-06-12 17:16:35						
Normal	Valid Swipe	2023-06-12 16:47:17	Building A	15_Door1		00016382	In	

Figure 1-37 Analysis of people entering and exiting

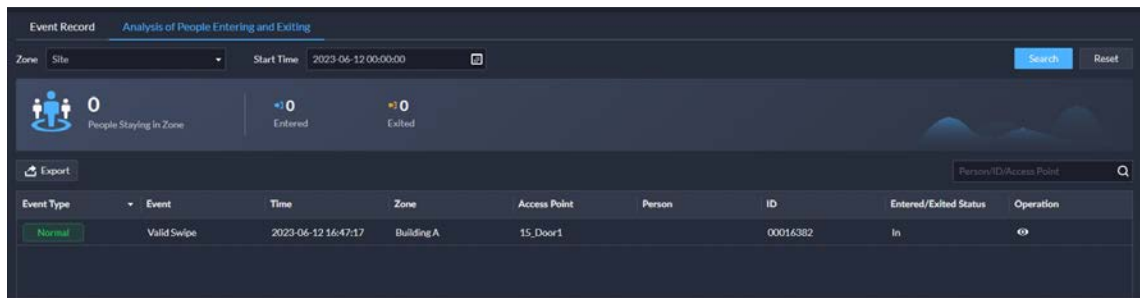
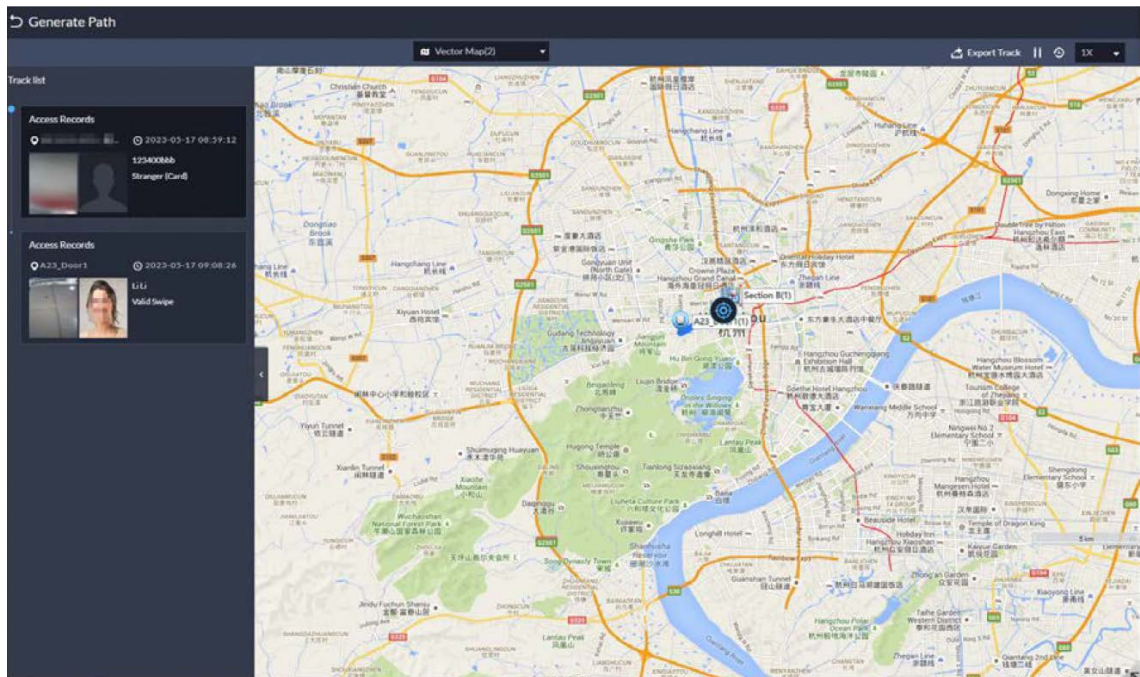


Figure 1-38 Access route



1.3.8 Visitor

When registering a visitor, the arrival time will be the current time and cannot be changed.

Figure 1-39 Register on site

Visit Details

Visit Details
Authentication
Authorization

Host Name:
Host Company (Department):

Host Email Address:

Visitor Name:
Visitor Company:

ID Type:
ID No.:

Phone No.:
Email Address:

Plate No.:
Reason for Visit:

Arrival Time:
Appointment Leaving Time:

Remarks:

1.3.9 Video Intercom

The reasons will be displayed when contacts and private passwords are failed to be sent.

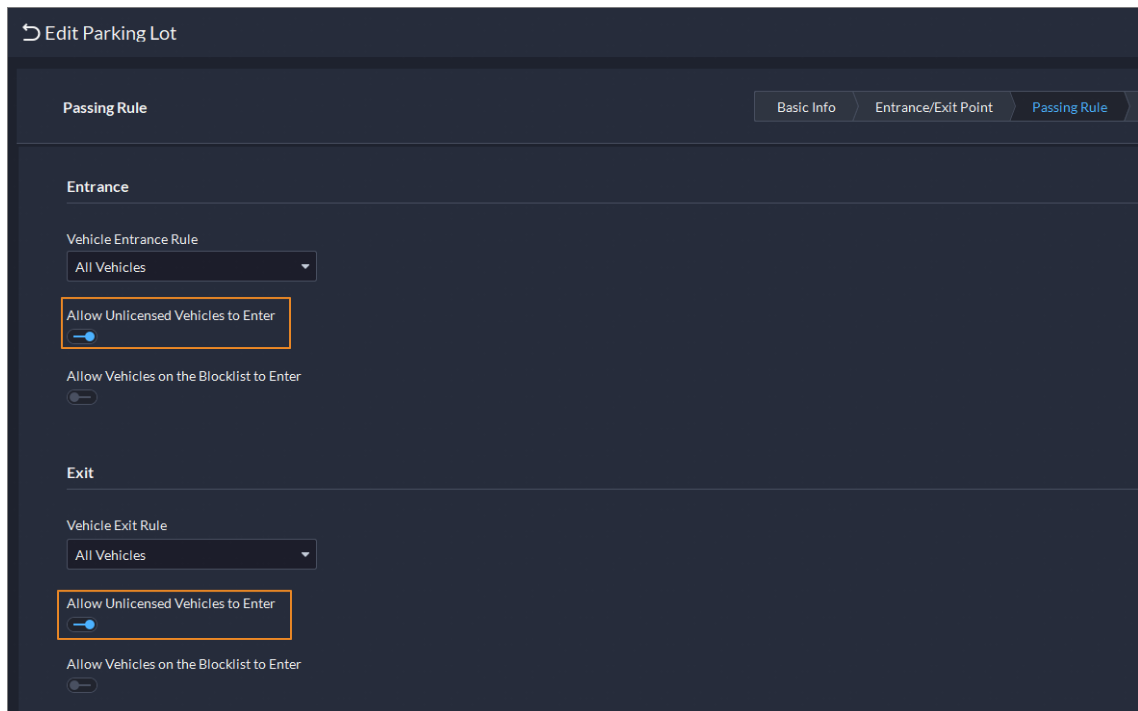
Figure 1-40 Reasons for failed to send contact

Send Contacts				
Room Name	Nickname	Room No.	Status: All	Operation
111001		1#1#1001	Failed: Device is offline	

1.3.10 Parking Lot

When configuring the passing rule for a parking lot, if you select All Vehicles, you can choose whether to allow unlicensed vehicles to enter or exit. If this function is enabled, all vehicle without license plates will be able to enter or exit the parking lot.

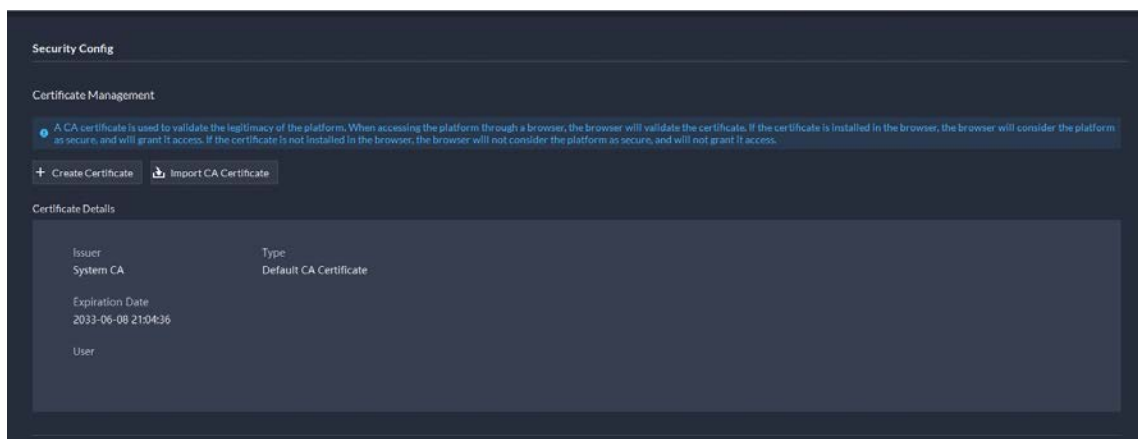
Figure 1-41 Allow unlicensed vehicles to enter



1.3.11 System Parameter

You can create and import certificates to the platform. A CA certificate is used to validate the legitimacy of the platform. When accessing the platform through a browser, the browser will validate the certificate. If the certificate is installed in the browser, the browser will consider the platform as secure, and will grant it access. If the certificate is not installed in the browser, the browser will not consider the platform as secure, and will not grant it access.

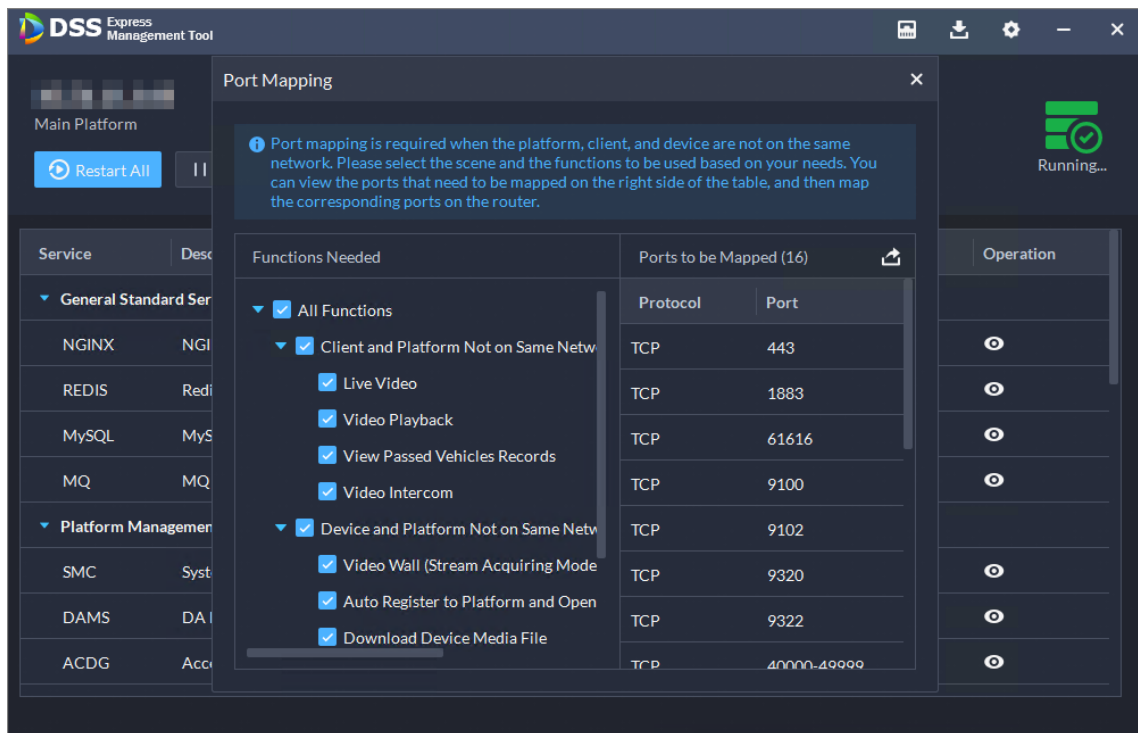
Figure 1-42 CA certificate



1.3.12 Platform Management Tool

Supports displaying ports that needed to be mapped for different functions in LAN and WAN mapping.

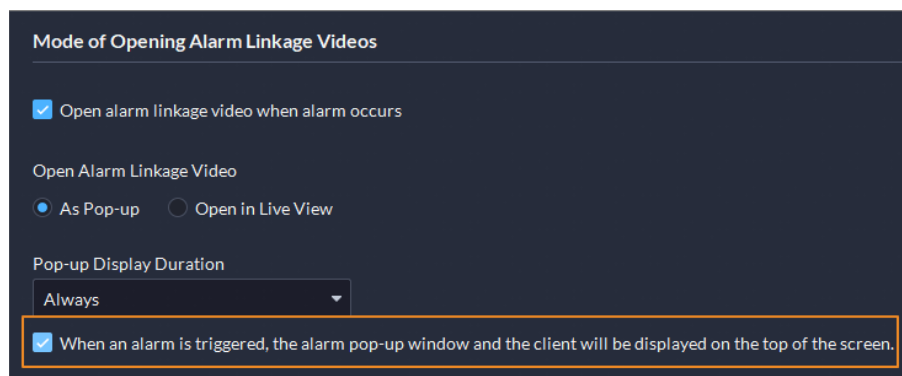
Figure 1-43 View port mapping guide



1.3.13 Local Configuration

Support configuring the alarm pop-up window and client to be displayed on top when an alarm is triggered.

Figure 1-44 Display on top



1.4 Operating System Compatibility Description

OS Name	OS Type	Platform Type	Test Result
Windows 10 20H2 Pro (64-bit)	Physical machine	Server	Pass
Windows 10 20H2 Pro (32-bit)	Physical machine	Server	Pass
Windows 10 20H2 Pro (64-bit)	Virtual machine	Server	Pass
Windows 11 21H2 Pro (64-bit)	Physical machine	Server	Pass
Windows 10 20H2 Pro (64-bit)	Physical machine	Client	Pass
Windows 10 20H2 Pro (32-bit)	Physical machine	Client	Pass
Windows 10 20H2 Pro (64-bit)	Virtual machine	Client	Pass
Windows 11 21H2 Pro (64-bit)	Physical machine	Client	Pass

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