



DSS Professional V8.001.0000001.0.R

Release Notes



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Release Notes

1.1 Basic Version Information

Product name	DSS Professional
Version	V8.001.0000001.0.R
Software package information	General_DSS-Professional_Win64_IS_V8.001.0000001.0.R.20220727.exe
OS requirements	CPU: Intel Xeon Silver 4114@ 2.2 GHz 10-core Processor Memory: 16 GB Network adapter: 1 Gbps Hard disk type: Enterprise-level HDD 1 TB Free space: No less than 500 GB
Release date	July 2022

1.2 Newly Added or Optimized Functions

1.2.1 New Functions


Module	Function Description
Device management	<ul style="list-style-type: none">• Supports adding IPCs that use 4G mobile network to communicate and are solar-powered.• Supports adding electronic article system (EAS) devices.• Supports adding radars.• Supports adding sound and light channels from the devices added to NVRs.
Monitoring center	Supports opening a radar channel in the Live View page. The platform will play a simulated video that consists of map information, range of detection, and detection information.
Event management	<ul style="list-style-type: none">• Added electronic article alarms: EAS alarm, TX closed alarm, RX closed alarm, tag too close alarm, and channel disconnected alarm.• Added POS alarms: POS original price alarm, POS discount alarm, and POS refund alarm. You can configure related POS fields and threshold to trigger alarms.• Added video quality analysis alarms: Video jitter, interference fringe, image freeze, high brightness, blurry video, color cast, low contrast, and static noise.• Added intelligent event alarms: Abnormal face, and adjacent face.

Module	Function Description
DeepXplore	<ul style="list-style-type: none"> ● For face and body snapshots, you can click the small image on the lower-right corner to jump to the search by image page, where you can search for more records related to the person you want to know more. ● Supports searching for the track of MPT devices. ● Supports searching for POS information. <ul style="list-style-type: none"> ◇ You can customize POS fields that are used to match corresponding information in POS transactions. The types of POS fields include POS ID, total price, discount, refund, operator, and other. ◇ You can also search for information in POS transactions with keywords.
Maintenance center	<ul style="list-style-type: none"> ● Displays information of hard disks and RAID on the Hard Disk Status page. ● Supports configuring the format of the scheduled report to PDF. ● Supports configuring the duration of videos for channels. The number will be displayed on the Channel Status page. ● Supports configuring the detection of video completion status for channels. The status will be displayed on the Channel Status page. ● Supports exporting the Overview page to a PDF file.
Map	Supports displaying radar channels on the map.

1.2.2 Optimized Functions

Module	Function Description
Client login	The client will check if the platform is initialized after you enter its IP address and port number. If not, you will be automatically directed to the initialization process.
Device management	You can only add devices to the platform that are sold outside of China.
Monitoring center	<ul style="list-style-type: none"> ● When viewing live videos or playing back videos, the menus on the top and bottom of the window will be translucent when you hover the mouse over it, so that information in the videos will not be completely blocked. ● Event panel on the Live View page: <ul style="list-style-type: none"> ◇ Events are automatically refreshed by default. ◇ The positions of the refresh and clear buttons are adjusted so that you can find them easily. ● Resolution is displayed when viewing live videos or playing back videos. ● Play back multiple videos in synchronization: <ul style="list-style-type: none"> ◇ All channels will play back videos from the time of the channel you select, even when they are playing back videos from different times. ◇ After changing the time, all channels will start playing back videos from that time. ◇ If a channel does not have videos on a time, a prompt will be displayed. ◇ All channels will stop playing videos if you open a new channel. ◇ After pausing playing back videos in synchronization, all channels will continue to play back videos from the time before playing back

Module	Function Description
	<p>videos in synchronization.</p> <ul style="list-style-type: none"> ● When searching for videos, the platform will load 12 hours of video before and after the time you set. ● Intelligent rules are displayed on alarm pop-up windows: <ul style="list-style-type: none"> ◇ Intelligent rules are displayed by default. ◇ The platform will remember if you want to display intelligent rules. After you right-click and select not to display intelligent rules, intelligent rules will not be displayed in all future alarm pop-up windows. ● Supports the functions of external zoom lens: Focus when static or moving, zoom in or out when static or moving, automatic focus, and reset focus. ● For instant playback, the duration of video is consistent with the one you configure in Local Settings > Video > Instant Playback Time. ● The configuration in System Parameters > Security Config > File Export or Download Password Authentication will decide if you need to verify your password when downloading video by clipping in the monitoring center. ● The recording status will not be interrupted by switching the type of video stream. ● Optimized the effect of E-PTZ.
Video wall	<p>For a video wall, the screens for a row or column cannot exceed 20, and the total number of screens cannot exceed 128.</p>
Recording plan	<ul style="list-style-type: none"> ● For a motion detection video, the platform would start recording when a motion was detected, and stopped recording when it received an identifier that the motion ended after 60 seconds. Now, the platform will record motion detection videos only based on when the motion starts and ends. ● The platform can play back videos that are uploaded by retrieval plans, and recorded by devices on which audio encryption is configured.
Event	<ul style="list-style-type: none"> ● Optimized the names of access control alarms: stranger (password), stranger (fingerprint), stranger (face), and stranger (card). ● Supports viewing recorded videos of real-time or historical events in full screen. ● Supports turning off alarm output linkage in alarm pop-up windows. ● The names of devices and channels are displayed at the same time for alarm sources. ● Supports downloading recorded videos from events. ● Supports filtering top 10 alarm sources by alarm priority in Event Statistics. ● When Original Scale is selected in Local Settings > Video > Window Display Scale, the scale of covers of recorded videos and snapshots will be consistent with the actual one. ● Supports linking alarm output channels of alarm controllers when

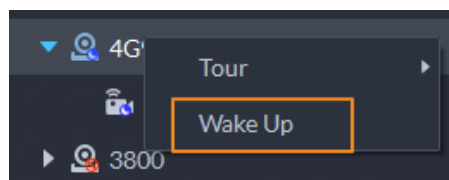
Module	Function Description
	configuring event.
Map	The vector map only supports Google Maps. You can also configure its URL.
Alarm controller	Only effective subsystems are displayed.
Case bank	Supports deleting icons.
Download center	<ul style="list-style-type: none"> When downloading videos by tags, you can configure how many seconds before and after the tag you want to download. After downloading a video by a tag, you can directly delete the tag in the Download Center.
UI Interaction	<ul style="list-style-type: none"> When adding a person, you can directly enter the date of birth. An encryption password for export files now supports numbers, and both uppercase and lowercase letters. Whenever you need to enter a password, you can click  to view what you have entered. In a time control component, you can change the hour, minute, or second by: Pressing the up and down arrow keys, selecting and entering a number, and pressing the left and right arrow keys to where you want to change the number. The minimum scale of the timeline is 1 second.
Time synchronization	Fixed the problem that services will be offline after you change the system time for more than 100 seconds.
Others	Fixed bugs.

1.3 Description of Newly Added and Optimized Functions

1.3.1 Device Management

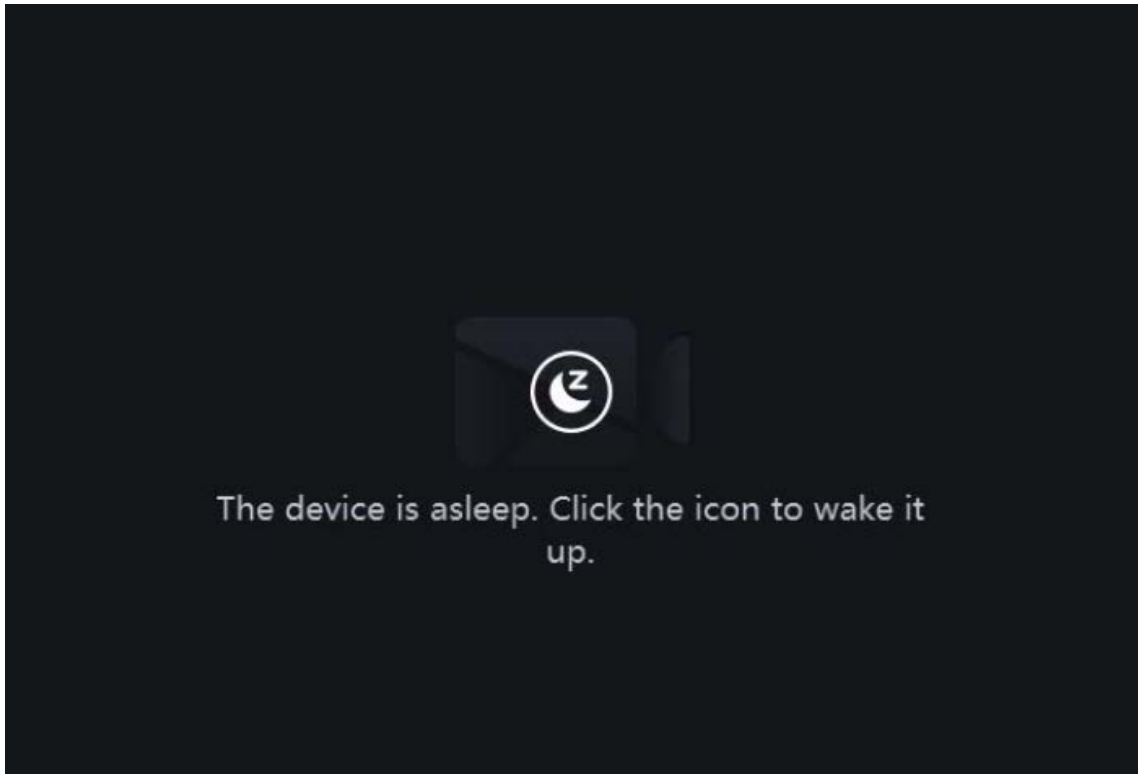
- Supports adding IPCs that use 4G mobile network to communicate and are solar-powered.
 - Supports waking up the device from the device tree.

Figure 1-1 Wake up the device (1)



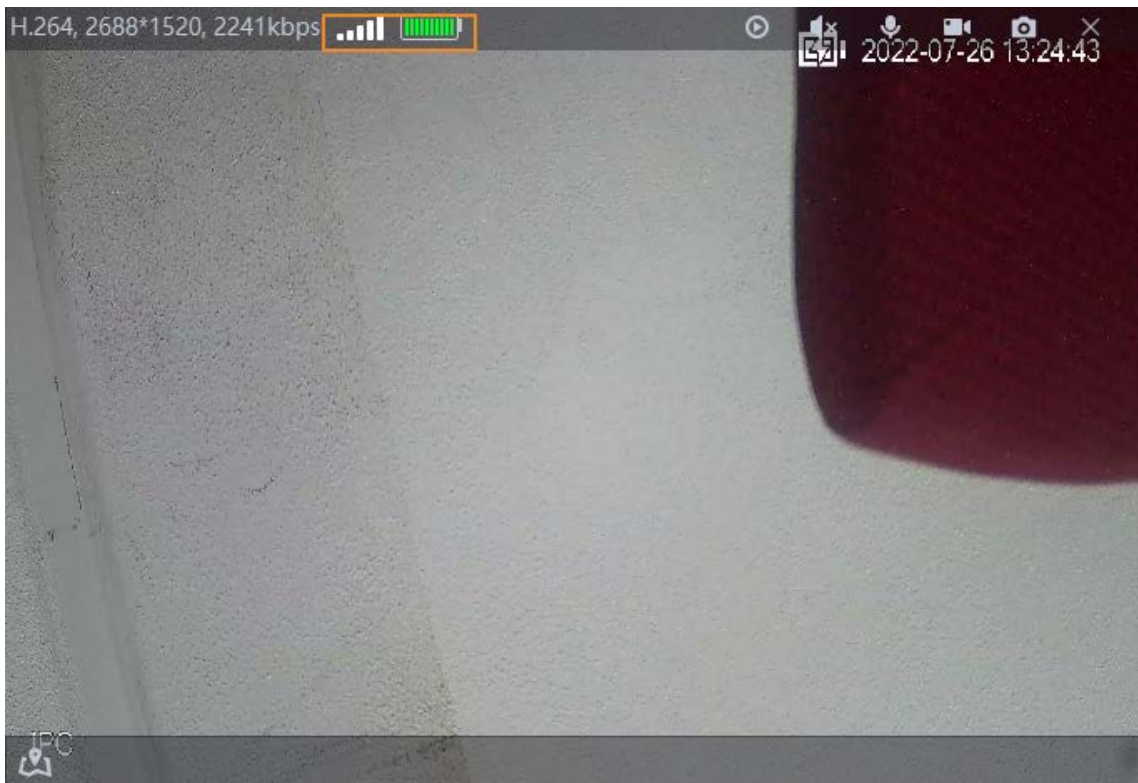
- Supports waking up the device from the window.

Figure 1-2 Wake up the device (2)



- ◇ Supports displaying the signal and battery of the device.

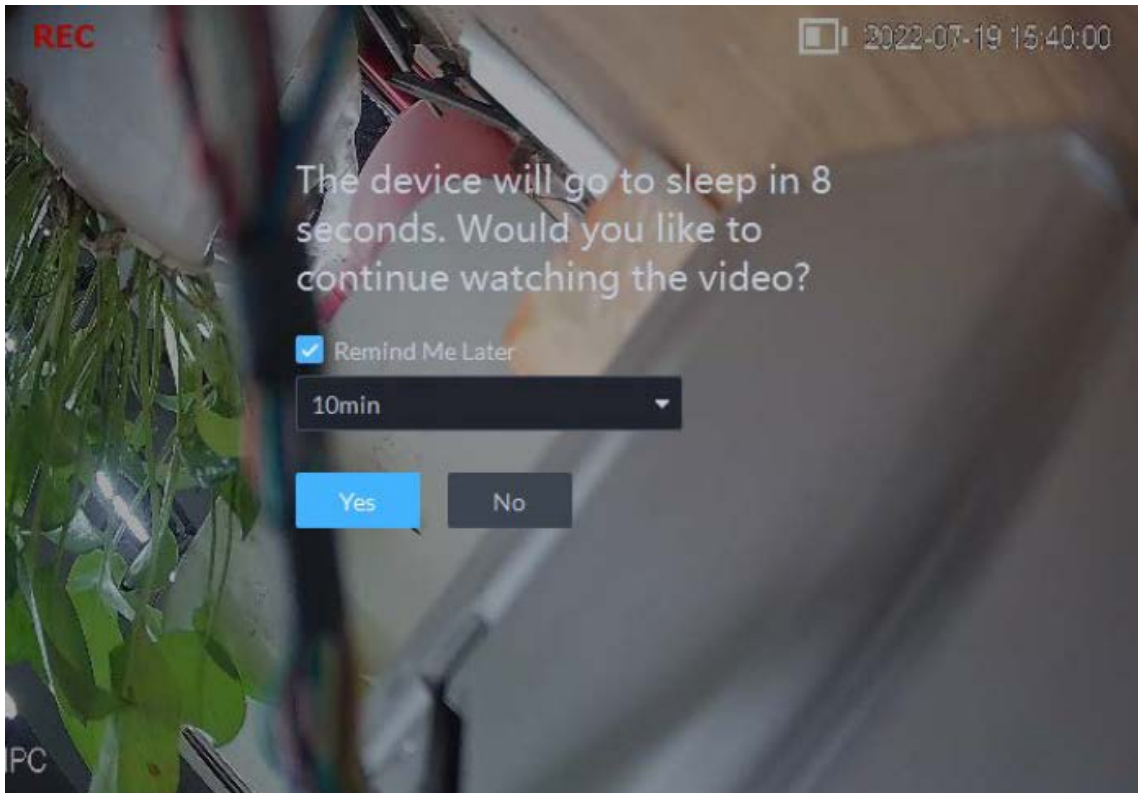
Figure 1-3 Displays signal and battery



- ◇ The device will regularly request to sleep to save battery. When you are viewing its live video, the device will request to sleep every 2 minutes. When you are not viewing its live video, the device will request to sleep every 1 minute. You can accept or reject so that you can continue to watch live video. When rejecting the request, you can choose whether to delay the next

request from the device.

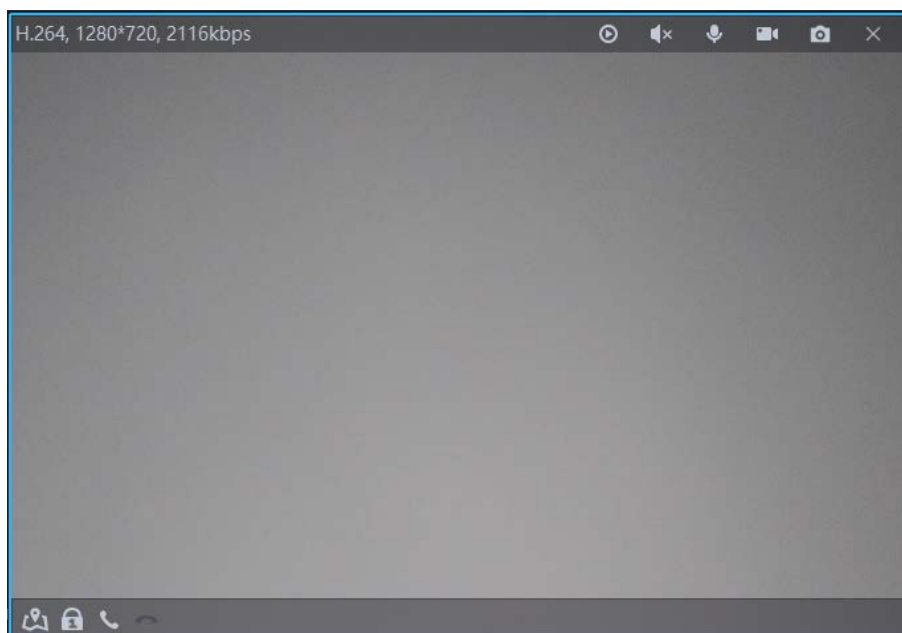
Figure 1-4 Request to sleep



1.3.2 Monitoring Center

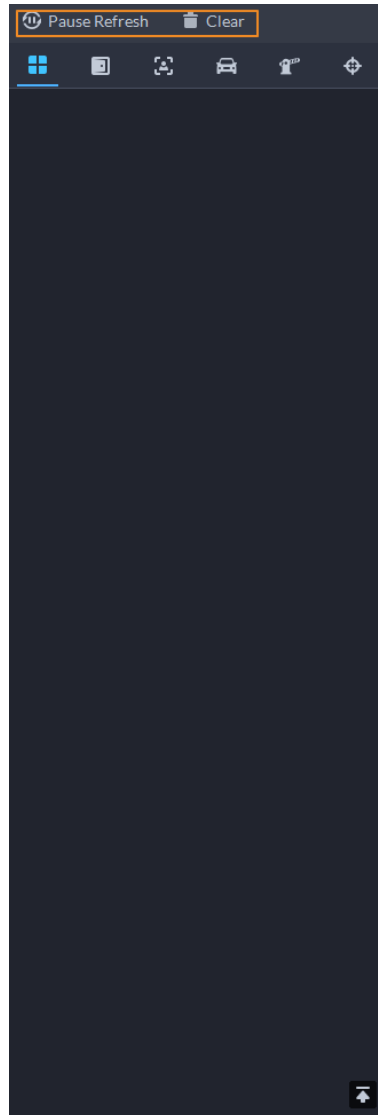
- When viewing live videos or playing back videos, the menus on the top and bottom of the window will be translucent when you hover the mouse over it, so that information in the videos will not be completely blocked.

Figure 1-5 Translucent menus



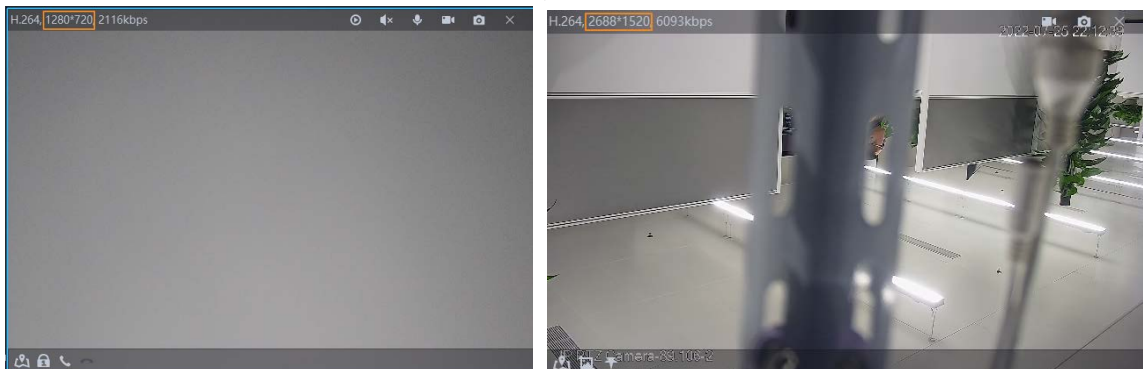
- Event panel on the Live View page:
 - ◇ Events are automatically refreshed by default.
 - ◇ The positions of the refresh and clear buttons are adjusted so that you can find them easily.

Figure 1-6 Position of buttons adjusted



- Resolution is displayed when viewing live videos or playing back videos.

Figure 1-7 Displays resolution

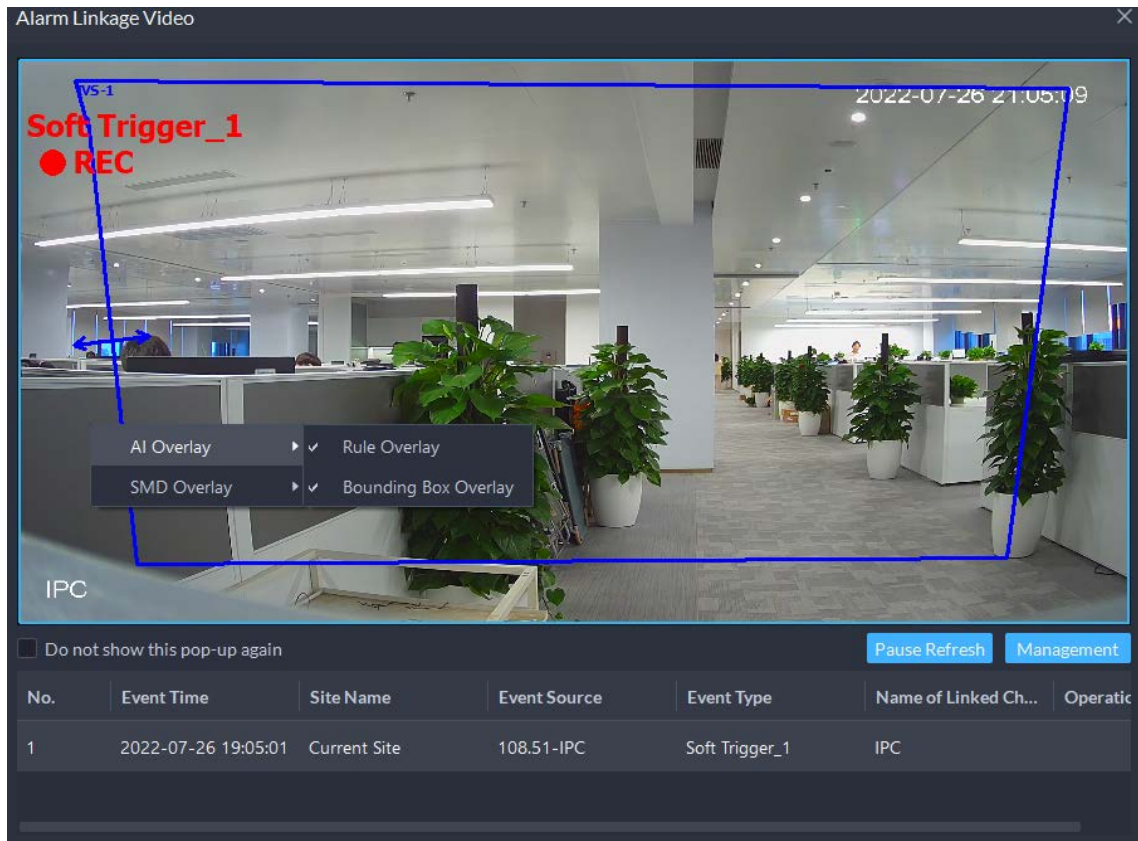


- All channels will play back videos from the time of the channel you select, even when they are playing back videos from different times. For example, channel 1 is selected, and is playing back videos from 2022-5-10 11:11, channel 2 2022-5-11 11:11, and channel 3 2022-5-12 11:11. After

you start playing back videos in synchronization, channel 1, 2, and 3 will play back videos from 2022-5-10 11:11.

- Intelligent rules are displayed on alarm pop-up windows:
 - ◇ Intelligent rules are displayed by default.
 - ◇ The platform will remember if you want to display intelligent rules. After you right-click and select not to display intelligent rules, intelligent rules will not be displayed in all future alarm pop-up windows.

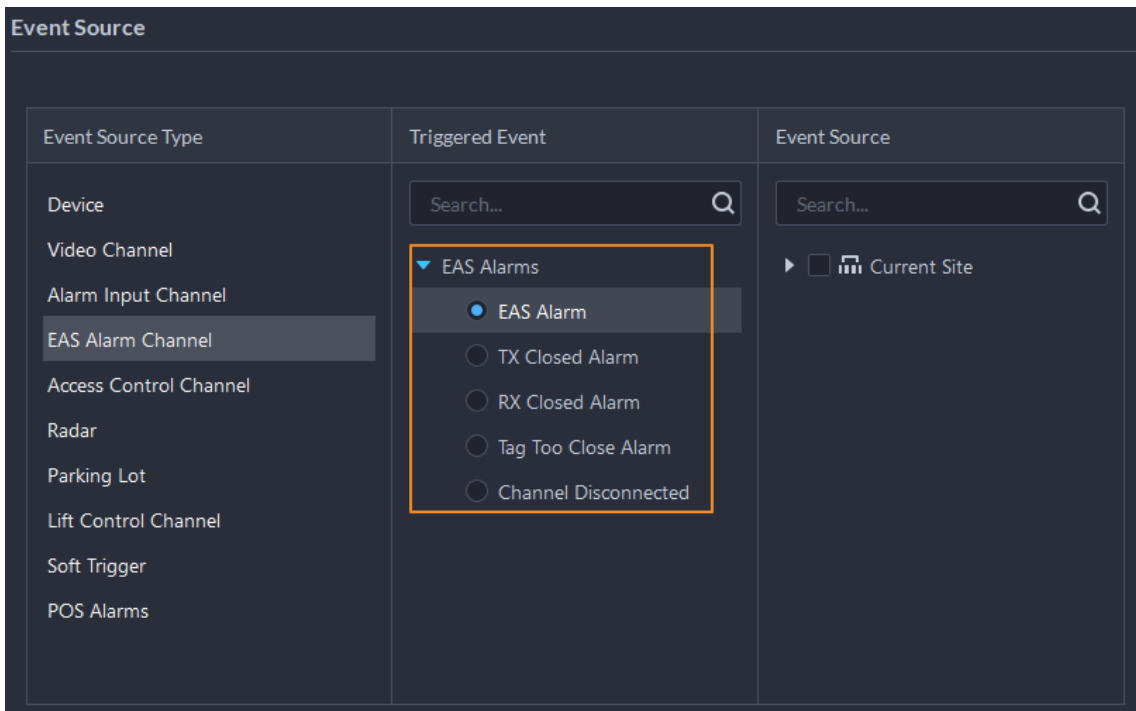
Figure 1-8 Displays intelligent rules in alarm pop-up windows



1.3.3 Event

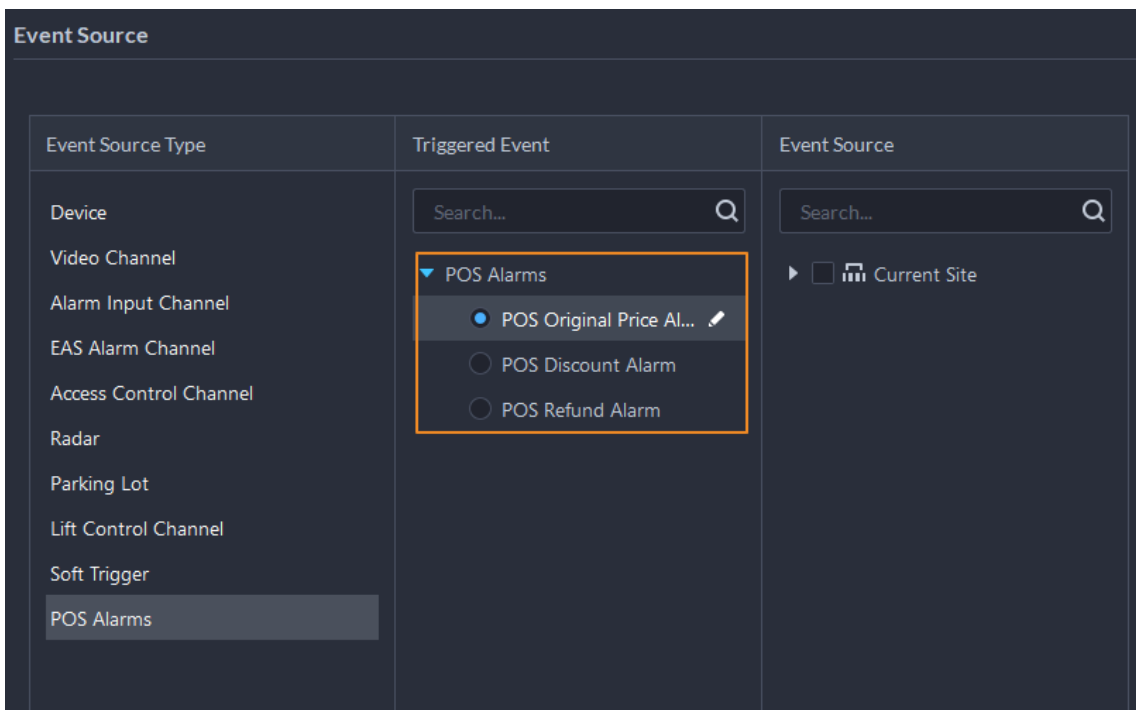
- Added electronic article alarms: EAS alarm, TX closed alarm, RX closed alarm, tag too close alarm, and channel disconnected alarm.

Figure 1-9 EAS alarms



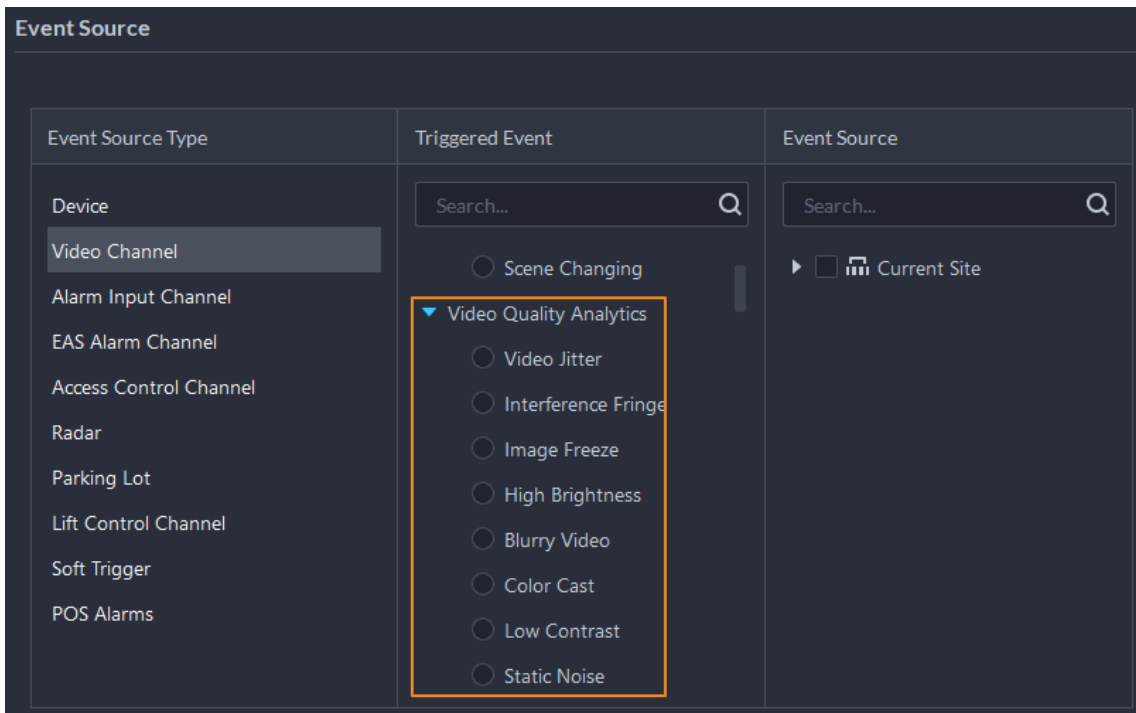
- Added POS alarms: POS original price alarm, POS discount alarm, and POS refund alarm. You can configure related POS fields and threshold to trigger alarms.

Figure 1-10 POS alarms



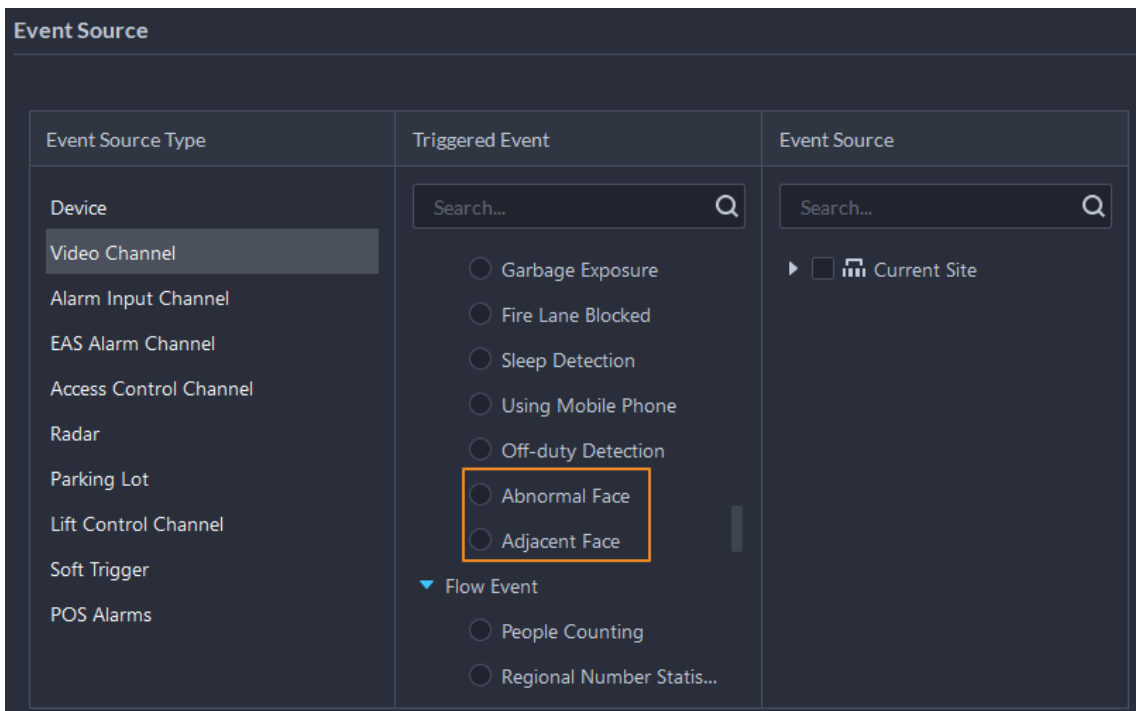
- Added video quality analysis alarms: Video jitter, interference fringe, image freeze, high brightness, blurry video, color cast, low contrast, and static noise.

Figure 1-11 Video quality analysis alarms



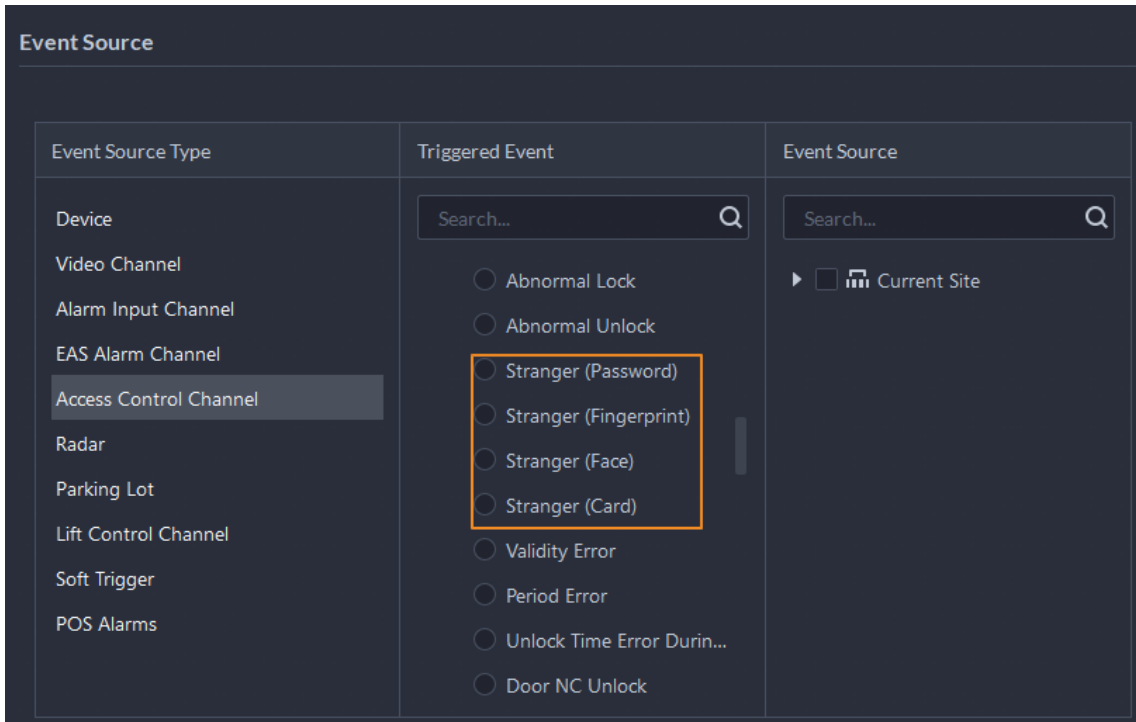
- Added intelligent event alarms: Abnormal face, and adjacent face.

Figure 1-12 Intelligent event alarms



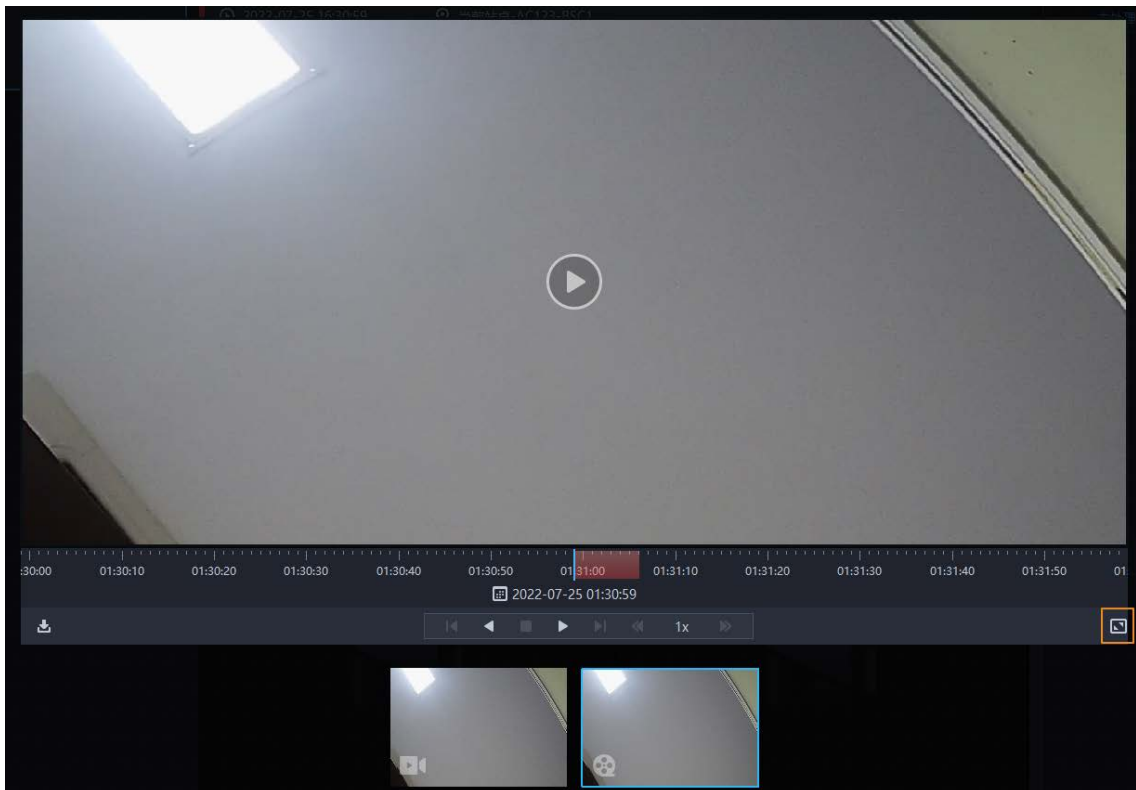
- Optimized the names of access control alarms: stranger (password), stranger (fingerprint), stranger (face), and stranger (card).

Figure 1-13 Optimized the names of access control alarms



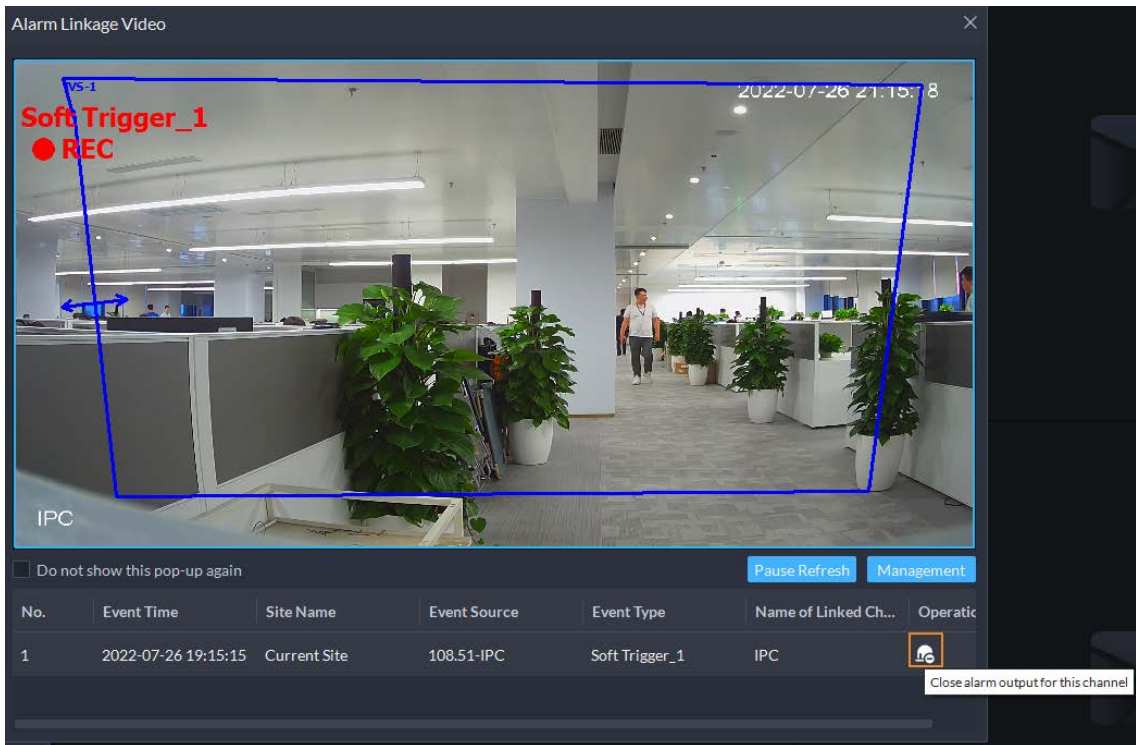
- Supports viewing recorded videos of real-time or historical events in full screen.

Figure 1-14 View videos in full screen



- Supports turning off alarm output linkage in alarm pop-up windows.

Figure 1-15 Turn off alarm output linkage in alarm pop-up windows



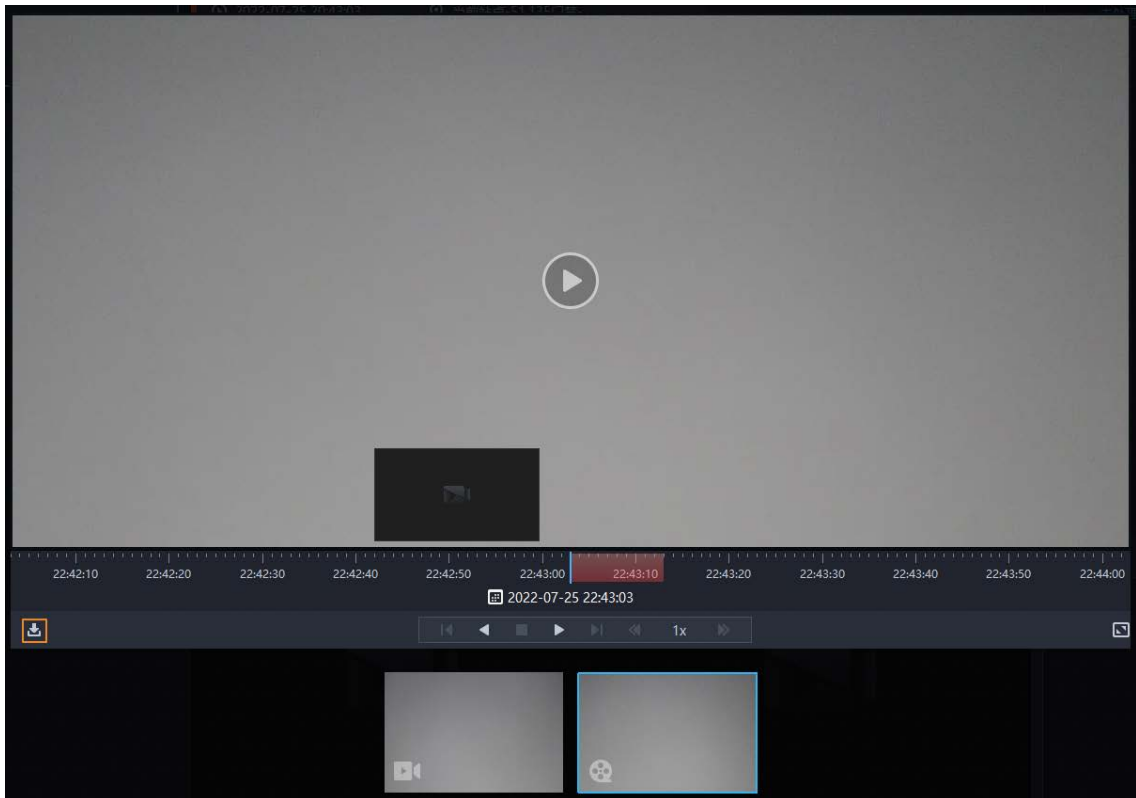
- The names of devices and channels are displayed at the same time for alarm sources.

Figure 1-16 Displays the names of devices and channels

No.	Alarm Time	Alarm Category	Alarm Type	Alarm Source	Priority	Remarks	Processed by	Alarm Status	Operation
1	2022-07-26 19:1...	Soft Trigger	Soft Trigger_1	108.51-IPC	High			Pending	
2	2022-07-26 19:0...	Soft Trigger	Soft Trigger_1	108.51-IPC	High			Pending	

- Supports downloading recorded videos from events.

Figure 1-17 Download by clicking the download button



- Supports filtering top 10 alarm sources by alarm priority in Event Statistics.

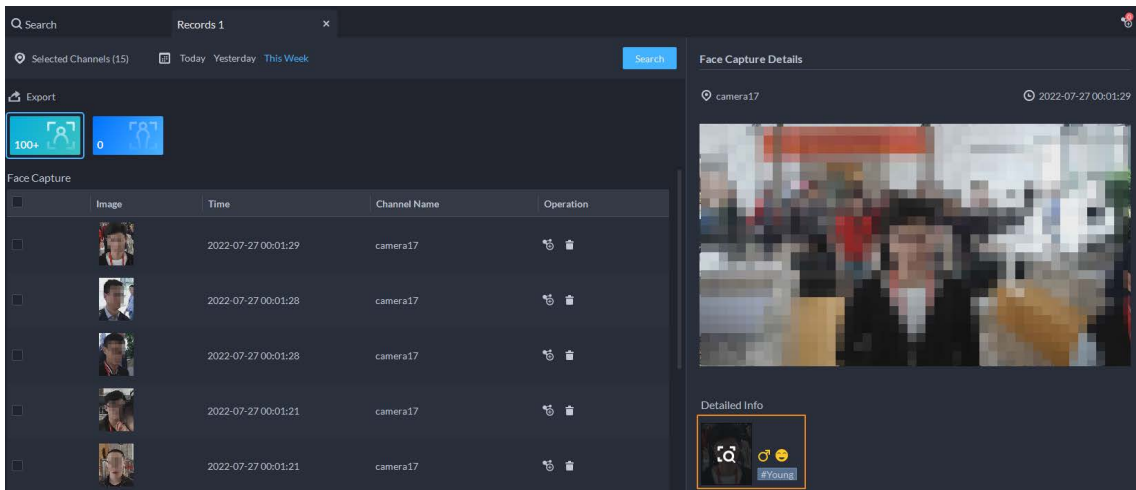
Figure 1-18 Filter top 10 alarm sources by alarm priority



1.3.4 DeepXplore

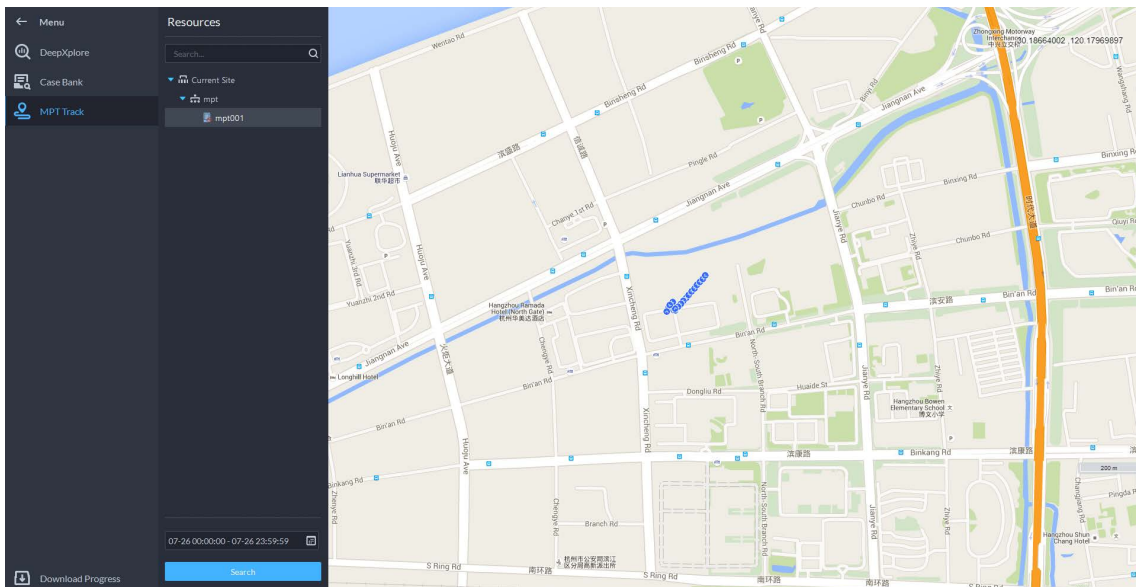
- For capture records of faces and bodies, you can click the small image on the lower-right corner to jump to the search by image page, where you can search for more records related to the person you want to know more.

Quickly jump to search by image



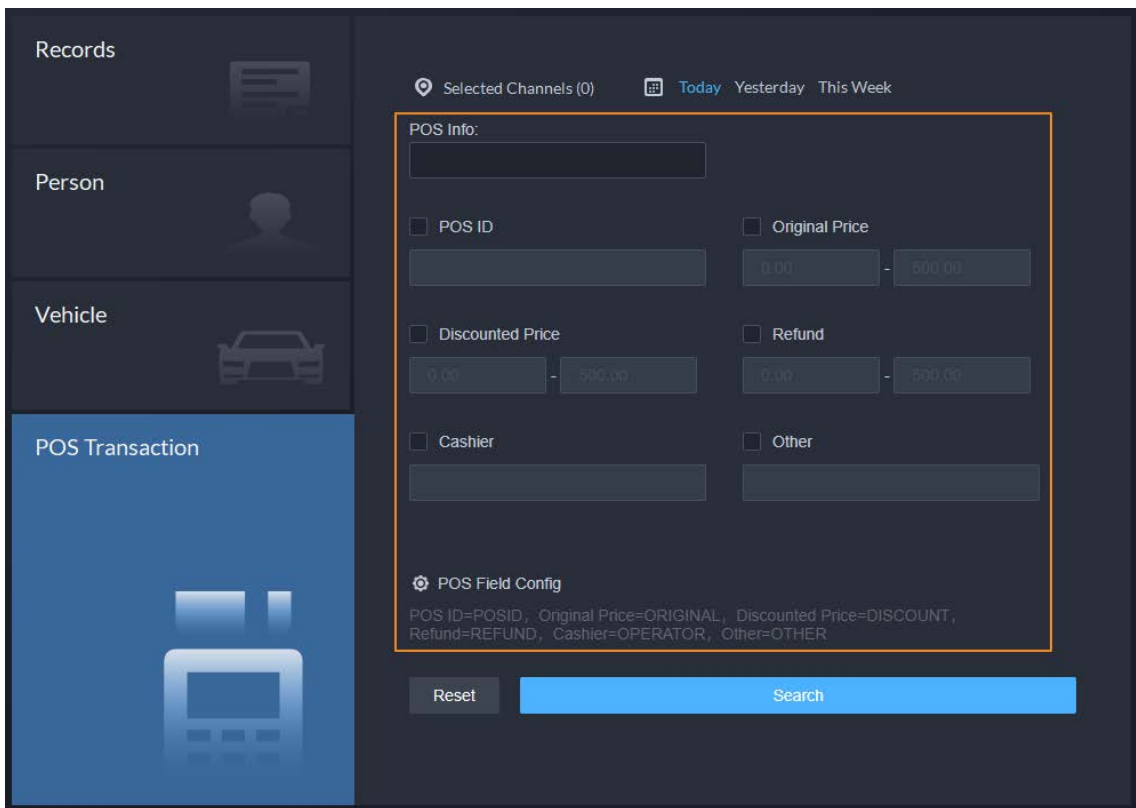
- Supports searching for the track of MPT devices.

Figure 1-19 MPT track



- Supports searching for POS information.
 - ◇ You can customize POS fields that are used to match corresponding information in POS transactions. The types of POS fields include POS ID, total price, discount, refund, operator, and other.
 - ◇ You can also search for information in POS transactions with keywords.

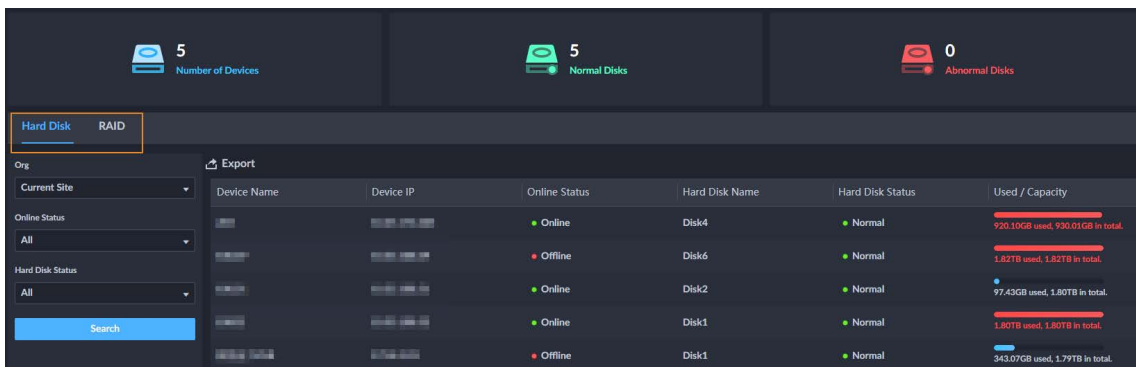
Figure 1-20 Search for POS information



1.3.5 Maintenance Center

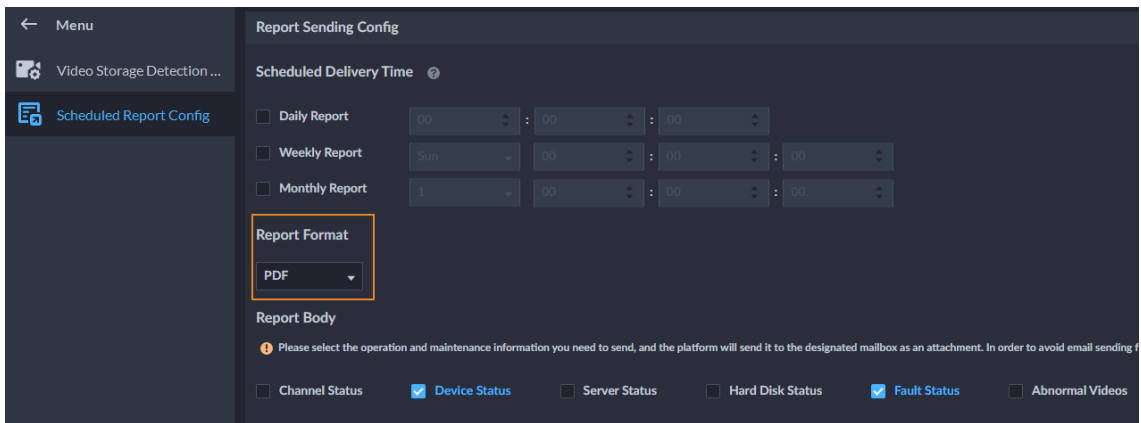
- Information of hard disks and RAID is displayed on the Hard Disk Status page.

Figure 1-21 Information of hard disks and RAID



- Supports configuring the format of the scheduled report to PDF.

Figure 1-22 Send a PDF report



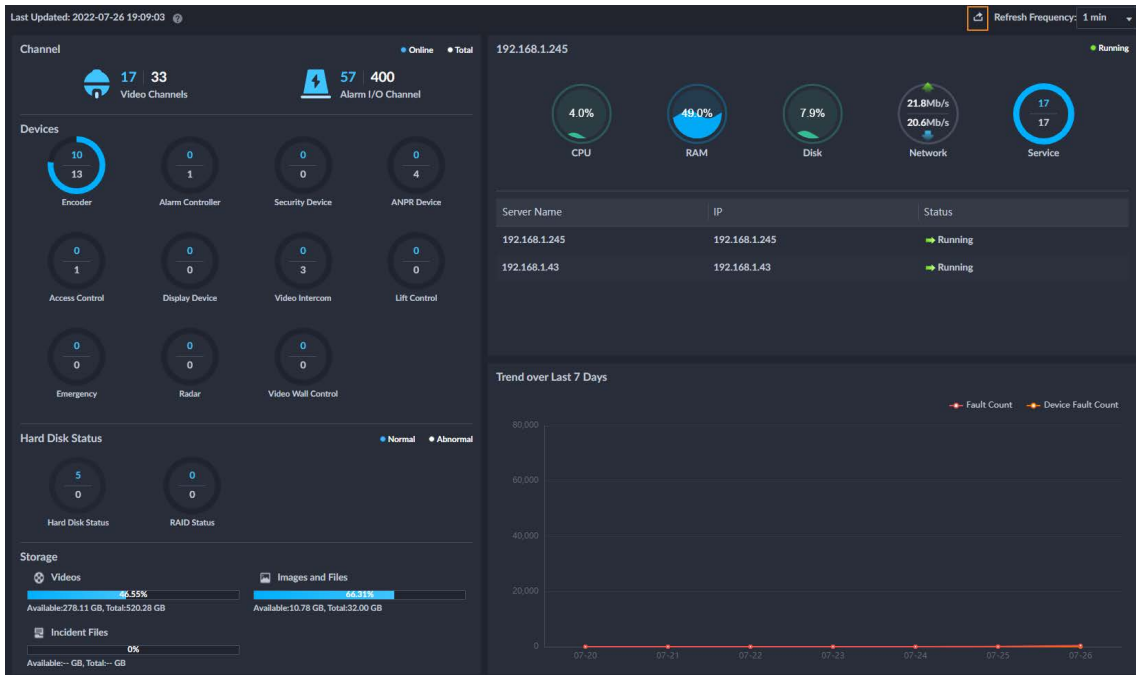
- Supports configuring the duration of videos for channels. The number will be displayed on the Channel Status page.
- Supports configuring the detection of video completion status for channels. The status will be displayed on the Channel Status page.

Figure 1-23 Duration and integrity of videos

Org	Channel Name	Device Name	Device IP	Organization ...	Online Status	Video Quality	Recording Days	Video Integrit...	Storage Positi...	Latest Status ...	Operation
Current Site	IPC	ppe	10.55.51.81	Current Site	Online	Normal				2022-07-26 16...	
Keywords	Channel4	报警盒子XVR	172.8.1.92	报警盒子	Offline	Abnormal				2022-07-26 16...	
Channel Name/Device Name/De...	Channel3	报警盒子XVR	172.8.1.92	报警盒子	Offline	Abnormal				2022-07-26 16...	
Online Status	Channel2	报警盒子XVR	172.8.1.92	报警盒子	Offline	Abnormal				2022-07-26 16...	
All	Channel1	报警盒子XVR	172.8.1.92	报警盒子	Offline	Abnormal				2022-07-26 16...	
Video Quality	108.51_3	108.51	10.55.108.51	onvif	Online	Normal	0			2022-07-26 19...	
All	108.51_2	108.51	10.55.108.51	onvif	Online	Normal	0			2022-07-26 19...	
Recording Days	108.51_1	108.51	10.55.108.51	onvif	Online	Normal	0	Abnormal		2022-07-26 19...	
All	IPC	108.51	10.55.108.51	NVR	Online	Normal	2	Abnormal	Store on Device	2022-07-26 19...	
Video Integrity Status											
All											

- Supports exporting the Overview page as a PDF file.

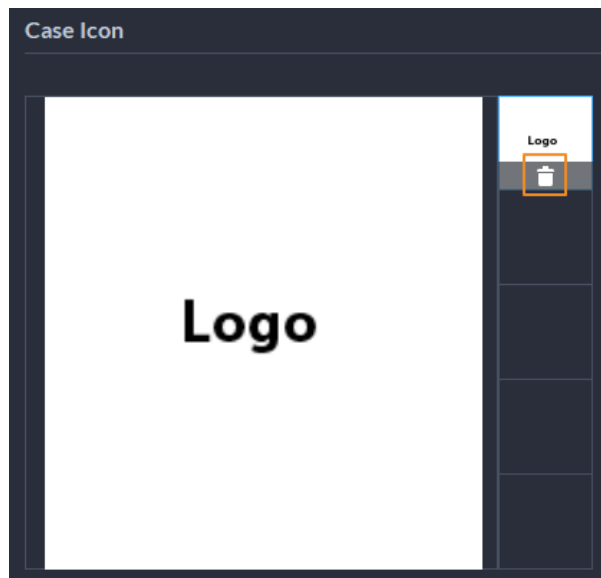
Figure 1-24 Export Overview as a PDF file



1.3.6 Case Bank

Supports deleting icons.

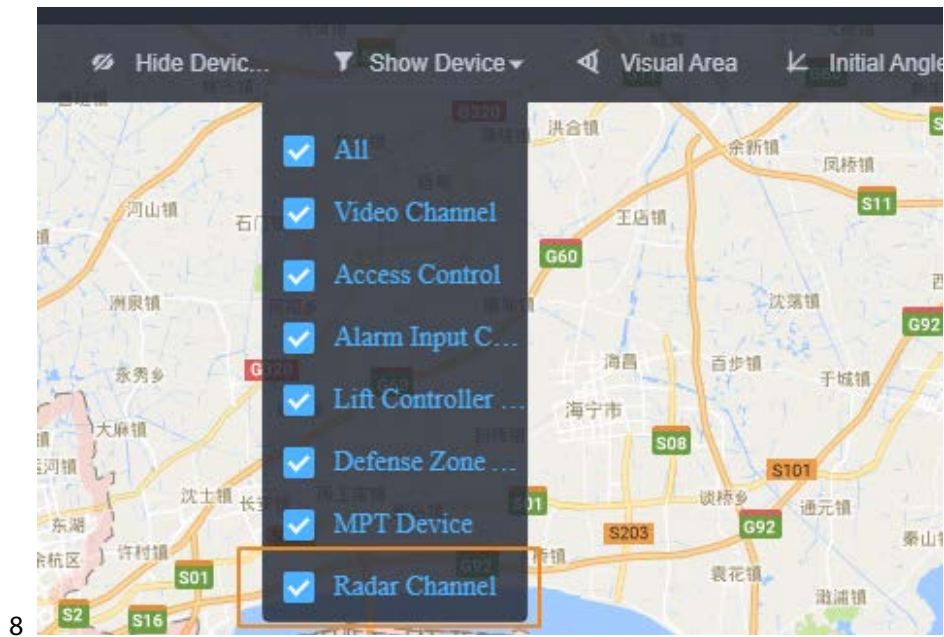
Figure 1-25 Delete icons



1.3.7 Map

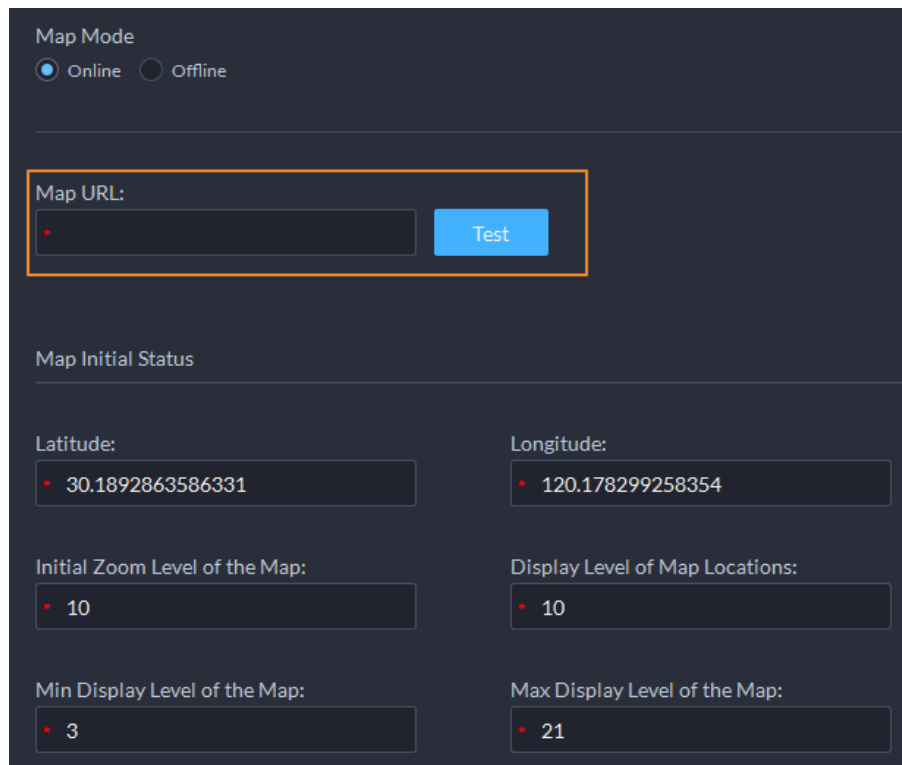
- Supports displaying radar channels on the map.

Figure 1-26 Displays radar channels on the map



- The vector map only supports Google Maps. You can also configure its URL.

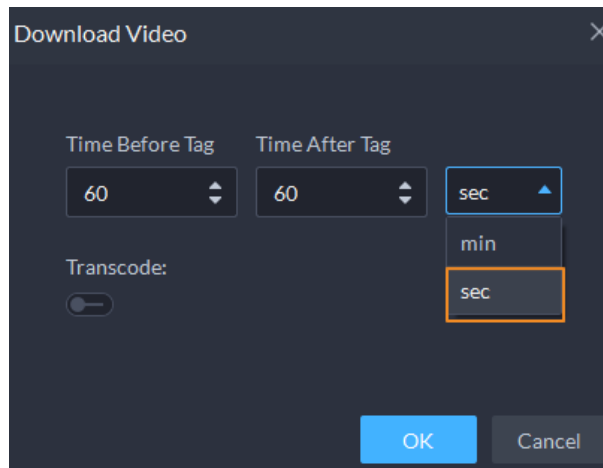
Figure 1-27 Configurable URL



1.3.8 Download Center

- When downloading videos by tags, you can configure how many seconds before and after the tag you want to download.

Figure 1-28 Download videos by tags in seconds



- After downloading a video by a tag, you can directly delete the tag in the Download Center.

Figure 1-29 Delete the tag after download

Download Selected Tagged File					Channel: All
Name	Site Name	Tag	Tagging Time	Operation	
IPC	Current Site	2	2022-07-26 09:02:19		
IPC	Current Site	1	2022-07-26 10:46:30		

1.3.9 UI Interaction

- When adding a person, you can directly enter the date of birth.

Figure 1-30 Directly enter the date of birth

Additional Info

Nickname:

Address:

ID Type:

ID No.:

Date of Birth:

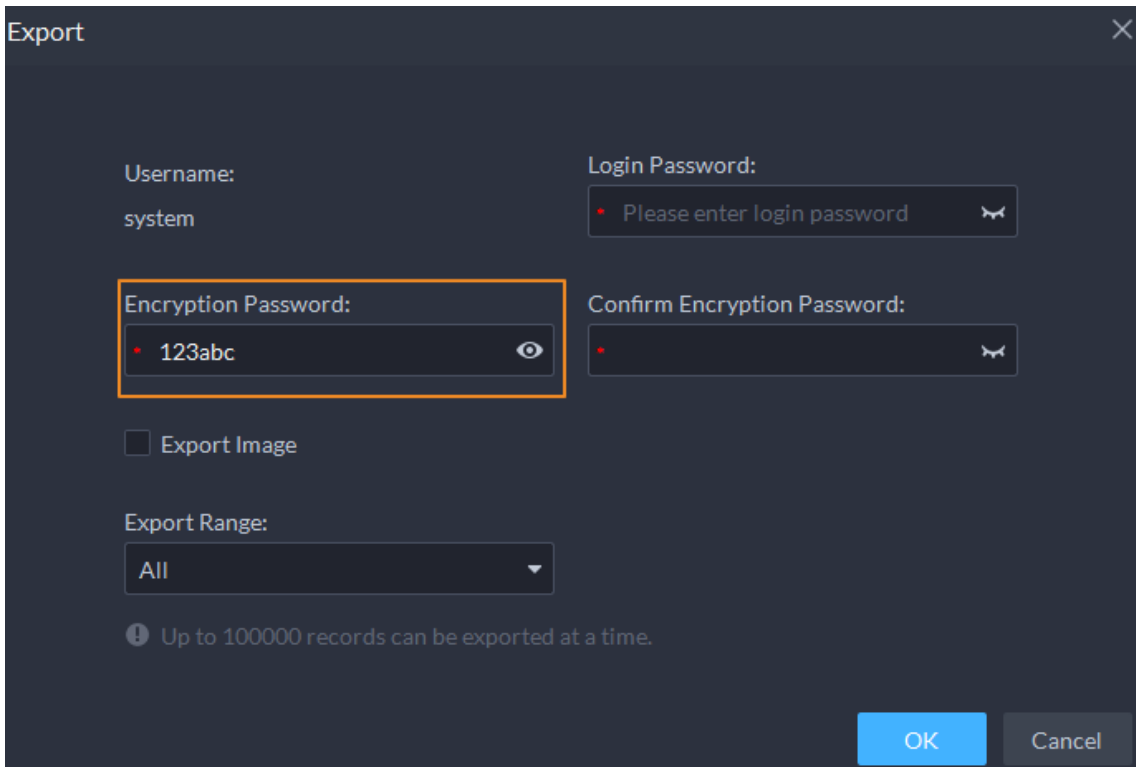
Region:

Company:

Job Title:

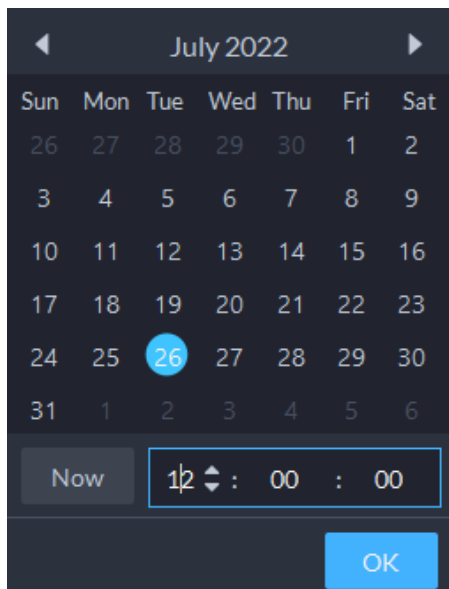
- An encryption password for export files now supports numbers, and both uppercase and lowercase letters.
- Whenever you need to enter a password, you can click to view what you have entered.

Figure 1-31 Supports numbers, both uppercase and lowercase letters, and view the actual password



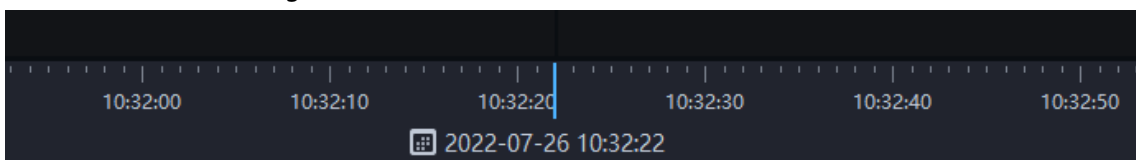
- In a time control component, you can change the hour, minute, or second by: Pressing the up and down arrow keys, selecting and entering a number, and pressing the left and right arrow keys to where you want to change the number.

Figure 1-32 Change the time



- The minimum scale of the timeline is 1 second.

Figure 1-33 1 second as the minimum scale



1.4 Operating System Compatibility Description

OS Name	OS Type	Platform Type	Test Strategy	Test Result
winserver2012-64bit	Physical machine	Server	Auxiliary test	PASS
winserver2016-64bit	Physical machine	Server	Auxiliary test	PASS
winserver2019-64bit	Physical machine	Server	Main test	PASS
win10 20H2-64bit	Physical machine	Server	Main test	PASS
win7-32bit	Physical machine	Client	Auxiliary test	PASS
win7-64bit	Physical machine	Client	Auxiliary test	PASS
win10 20H2-64bit	Physical machine	Client	Main test	PASS
win10 20H2-32bit	Physical machine	Client	Auxiliary test	PASS
winserver2008-64bit	Physical machine	Client	Auxiliary test	PASS
winserver2012-64bit	Physical machine	Client	Auxiliary test	PASS
winserver2019-64bit	Physical machine	Client	Auxiliary test	PASS
winserver2016-64bit	Physical machine	Client	Auxiliary test	PASS
win11-64bit	Physical machine	Client	Auxiliary test	PASS

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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