

DSS7016D/DR-S2

Release Notes



V8.6.0

Table of Contents




1 Basic Version Information.....	1
2 New and Optimized Functions.....	2
2.1 New Functions.....	2
2.2 Optimized Functions.....	4
2.3 Fixed Bugs.....	6
3 Description of New and Optimized Functions.....	8
3.1 Device Management.....	8
3.2 User Management.....	9
3.3 Monitoring Center.....	10
3.4 Map.....	15
3.5 Event.....	16
3.6 Parking Lot.....	17
3.7 Access Control.....	17
3.8 System Parameters.....	19
3.9 Local Settings.....	19
3.10 Quick Commands.....	20

1 Basic Version Information

Product name	DSS7016D/DR-S2
Version	V8.006.0000000.0
Software package information	General_OverseasDSS7016S2_Eng_Basic_V8.006.0000000.0.R.20250308.tar.gz
Release date	March 2025


2 New and Optimized Functions


2.1 New Functions

Function	Description
Device	<ul style="list-style-type: none"> • Supports obtaining alarm output channels from external alarm boxes connected to NVR and XVR. • Supports obtaining alarm input channels from external alarm boxes connected to NVR. • Supports displaying channel IP addresses and redirecting to the webpage of the channel.
User management	<ul style="list-style-type: none"> • The resources and view permissions can be controlled in Role Management. • The scheme control permission can be controlled in Role Management. • Added AI Rule Overlay control permission.
Monitoring center	<ul style="list-style-type: none"> • Added Time Sync to the right-click menu. • Right-click a node, select Channel Status, and then you can view the channel details, including status, video information, channel and device information. <p>Click , and then it goes to the login page of the device webpage.</p> <ul style="list-style-type: none"> • When viewing live video of people counting cameras (make sure that the people counting function is enabled on the camera), you can view the person tracks on the monitoring image. • Supports global settings to overlay intelligent rules on the video image. • When playing back video, you can click  or  to play the last or next video clip of the most recent time. • Video download supports a customizable storage path.
Map	<ul style="list-style-type: none"> • For devices that do not support sending visible range to the platform, you can customize the visible range on the map. After that, when you monitor or track back a target, you can quickly find the monitoring devices according to the visible range. • Select Display Settings > Point Clustering, the system clusters adjacent channels into one point according to the map scale, and identifies the number of channels with numbers.
Event	<ul style="list-style-type: none"> • When the peripheral of the wireless alarm gateway is connected to PIRCAM, you can take snapshots of the zone on the Alarm Controller page. • After ignoring the alarm, the current user will temporarily not receive real-time messages of the specified alarm, but the event records can still be searched in historical events. • Connected duress alarms of indoor monitors to the platform. • Adding tripwire by animal, intrusion by animal and animal moving fast to the event type.

Function	Description
Parking lot	Supports organization management.
Access control	<ul style="list-style-type: none"> ● Enable Block NFC Cards, and then click Apply to Device, the devices will not recognize copied NFC cards, and people cannot use NFC cards to open doors. ● Enable Configure Appointment Expiration Time, and then set the timeout period. If the visitor does not visit within the defined period after the appointment, the appointment will automatically expire.
System parameters	Added the privacy policy function: You can select enable or disable Store Face Snapshot Records as needed. When it is disabled (default), the platform will not display or store face snapshot records that do not include comparison records.
Storage	Device storage supports configuring device in batches.
Intelligent analysis	<ul style="list-style-type: none"> ● Supports video analysis for faces, humans, motor vehicles, and non-motor vehicles based on channels, and the data can be exported. ● Support manually acquiring records of historical people flow data and in area people flow. ● Add a default title for heat map analysis.
System deployment	Supports displaying resources by channel.
Maintenance center	<p>Supports displaying remote alarm input channels and remote alarm output channels.</p> <p>Supports viewing history online and offline status of the device.</p>
Other	The client supports CA certificate authentication.

2.2 Optimized Functions

Function	Description
Device	<ul style="list-style-type: none"> ● Add a check box before the channel list on the device editing page. ● Add a Delete button above the channel list. ● Add a Capability Set Management button above the encoder video channel list. ● The device ID displays before the IP address. <ul style="list-style-type: none"> ◇ Add ascending and descending buttons before device ID. ◇ The device list is sorted by device ID in descending order by default, and the IP address is not sorted. The default sorting conditions should be maintained after logging back into the client. ◇ Sort only by the field that was last sorted; multiple field sorting simultaneously is not supported. ● Remove restrictions on special characters for channel names, only limiting "<" and ">". ● Support selecting Get All Info or Only Get Info on Newly Added Channels. <ul style="list-style-type: none"> ◇ Get All Info : Get all the information from devices to overwrite the existing device information. ◇ Only Get Info on Newly Added Channels : Get the information on the newly added channels from devices and keep the existing channel information. ● Devices accessed through the P2P service do not support central recording functions.
User management	<p>Determine whether the user has operational permissions for the device channel resources according to each role.</p>
Monitoring center	<ul style="list-style-type: none"> ● Enable Switches to Main Stream when Window Maximized from Local Settings > Video, and then when you press Enter to maximize the video window, the stream will also switch. ● When playing live or recorded video, you can drag  between the resource tree and the video window to the left, to hide the resource tree. ● You can select stream type for videos stored on device. ● You can still perform operations of other modules when alarm output, or sound and light alarm pop-up window appears. ● You can select displaying or not displaying an icon on the upper-left corner of the window when recording is performed. ● Right-click the video window, and then select Detailed Tag to tag the videos of interest for easy search in the future. You can set tag details such as tag name, tagging time, time before and after tag, the user who adds the tag, tag object, and more. The tagging records can be searched from Download Center > Tagging Record. ● The system closes live view or playback automatically after inactivity for a pre-defined period of time. Supports up to 30 minutes.

Function	Description
Map	<ul style="list-style-type: none"> You can click a device on the map, and then click  to view device name and organization; click the icon again to hide the name and organization. When playing videos on a map, presets of PTZ devices are supported.
Video wall	The upper limit of four channels in the video wall window is increased to 512, and the minimum stay time is optimized to 10 seconds.
Event	<ul style="list-style-type: none"> When configuring generic events, HTTP URL is supported in rule expression. On the Real-Time Event page, after a user logs in, the platform displays the events unprocessed recently by default. Optimized event linkage upper limit: Up to 16 snapshots, 64 PTZ, 64 alarm outputs, 64 sound and light alarms, and 64 access control and video intercom devices can be linked.
Parking lot	<ul style="list-style-type: none"> Support configuring overtime parking rules. Information display supports Managed Mode. The parking lot entrances and exits support dual verification of license plates and vehicle colors. Add filtering for invalid entrance and exit records. Filter the last record within the defined time, primarily for users who shares the same entrance and exit point.
Person and vehicle information	A person can be added to up to 20 person groups.
Local settings	<ul style="list-style-type: none"> Supports extracting frames when the number of split windows is greater than the defined split windows. No frames will be extracted when the window is maximized. Support configuring Client Inactive Status Config status. You can set the client inactive status as Auto Lock or Auto Log Out. Add organization and device information in the naming of video and image downloads.
Quick commands	When selecting POST or PUT , you can customize the body of HTTP URL.
Intelligent analysis	Add Custom option to the drop-down choices for the retention duration search condition.
Maintenance center	Supports displaying disk capacity size.
System deployment	<ul style="list-style-type: none"> When hovering the mouse over the device name, it supports displaying the device name along with the channel type and quantity in a bubble card style. Optimized server node display.

Function	Description
Others	<ul style="list-style-type: none"> ● When uninstalling the client, the option to retain local user data (videos, images) is select by default. ● The client stores cached images in the Cache directory. Captured images due to bandwidth issues will be deleted immediately. After logging into the client, images in the Cache directory will be automatically cleaned up. The client will clean up the Cache directory every 10 minutes, retaining the most recent 500 images for loading purposes. ● The AES key is generated by each client, and the platform uses the client's AES key to decrypt. ● ANPR supports searching by place of issue and, with SIRA certification enabled, supports searching by license plate length and type. ● Add PTS to the DMS service, and manage it through DMS. ● Optimizes database anomaly detection. ● Optimizes the service names.

2.3 Fixed Bugs

- Access control
 - ◇ The newly added access control device is automatically added to the root zone, but does not inherit the rules of root zone, and the number of access control points in a zone is not displayed correctly.
 - ◇ Move the access control point to a zone with multiple rules, and one person in one of the rules does not have permission.
 - ◇ When adding an access rule, if you add a person to the person group while the rule is being created and has not yet been sent, the rule fails to be sent.
- Event center
 - ◇ The rule lines of the image uploaded by intelligent alarms are inconsistent with the lines displayed on the device side.
 - ◇ When adding and editing the time template, if you enter the keywords in the input box on the left to search for the template, the drop-down box on the right will also use the same conditions to search for results.
- Monitoring center
 - ◇ When viewing live video with sub stream in the small window, if you zoom in the image with the mouse wheel, and then double-click the zoomed image to switch to the main stream, a blurred screen appears.
 - ◇ Unable to search for device recording of offline channels for IVSS, EVS, NVR, and XVR devices.
 - ◇ When GPU decoding is configured, if there is no graphics card in the client environment, black screen appears during decoding in the monitoring center.
 - ◇ When playing a video, after double-clicking to zoom in and out, you cannot drag the window.
 - ◇ When playing a video in multiple windows, the client stops responding after moving the mouse back and forth, and double-clicking it to zoom in.
- Device management
 - ◇ For the metadata attribute report capability, if the corresponding feature exceeds the limit, the prompt for saving and obtaining information is inconsistent with the description of the feature.

- ◇ Bind the device to the parking lot in Chinese, and then delete the device, the prompt information is garbled.
- ◇ Send the visitor information to the access control device, and then delete the device, the prompt is unreasonable.
- ◇ If the device has more than 100 public passwords, the platform will prompt exceed the password limit of the device. But actually, some devices support 500 public passwords.
- Person management
 - ◇ When the card number is entered with characters other than 0-9A-F, it prompts invalid parameters when adding the person.
 - ◇ The import fails when the name of the imported person image contains the character "..".
- Video intercom
 - ◇ When multiple clients use the access control device to collect fingerprints at the same time, the fingerprint information is incorrect.
 - ◇ Unable to send fingerprints to the access controller that supports fingerprints.
 - ◇ When the time zone of the access control device and the platform is in daylight saving time, the time of the extracted access control record is incorrect.
 - ◇ When multiple management groups are called in sequence during group calls, when the first management group has an online user but no response, the second management group does not ring.
 - ◇ When multiple VTOs call the administrator at the same time, the call will automatically hang up after 10 seconds when the administrator answers the next VTO.
- App
 - ◇ The time of call records on the DSS Agile VDP App shows 1970-01-01.
 - ◇ Offline push of the DSS Agile VDP App failed.
 - ◇ Failed to modify person information on the DSS Agile VDP App.
- Others
 - ◇ Solved the problem of intermittent recording after the local disk or network disk is formatted.
 - ◇ Occasionally, MySQL occupies too much CPU.
 - ◇ Failed to pull the stream for distributed deployment in certain scenarios.
 - ◇ After changing the default port of Nginx, the webpage cannot be accessed directly.

3 Description of New and Optimized Functions

3.1 Device Management

- Support obtaining alarm output channels from external alarm boxes connected to NVR and XVR.
 - ◇ NVR/XVR external alarm box, adding devices can automatically acquire the alarm output channels from the alarm box.
 - ◇ NVR/XVR external alarm box, when editing the device, manually retrieving information should allow access to the alarm output channels from the alarm box.
 - ◇ After adding the NVR/XVR device and the external alarm box, you can also obtain the alarm output channels from the alarm box when retrieving information.
- Support obtaining alarm input channels from external alarm boxes connected to NVR.
 - ◇ Support NVR external alarm box: when adding the device and automatically retrieving information, it can obtain the alarm input channels from the alarm box.
 - ◇ For the NVR external alarm box, when editing the device and manually retrieving information, it can obtain the alarm input channels from the alarm box.
 - ◇ Once the NVR and the external alarm box have been added, it is possible to obtain the alarm input channels from the alarm box when retrieving information.
- Support displaying channel IP addresses and redirecting to the webpage of the channel.

Figure 3-1 Channel IP

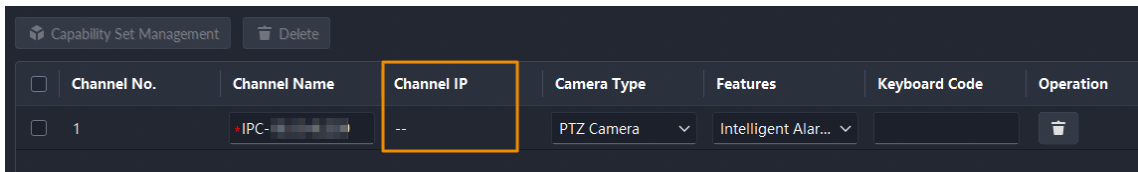
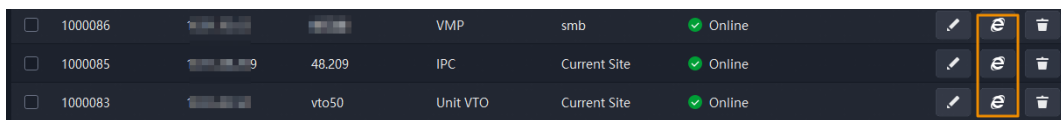


Figure 3-2 WEB

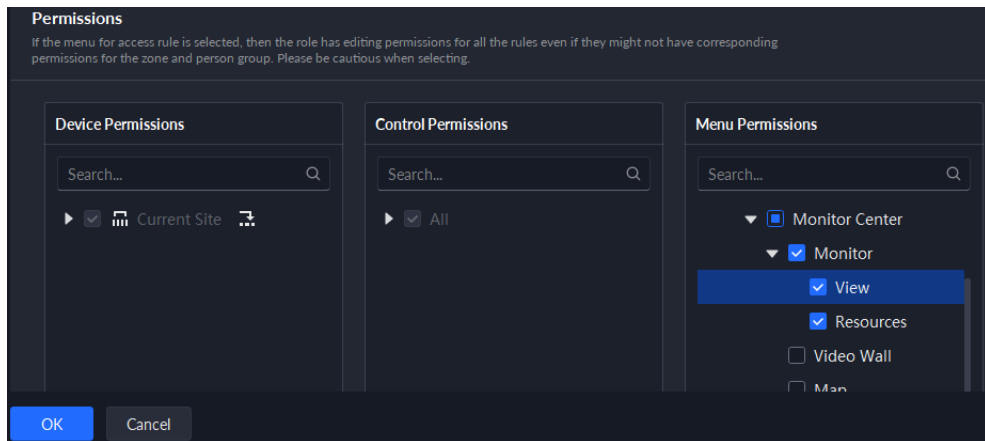


- The device ID displays before the IP address.
 - ◇ Add ascending and descending buttons before device ID.
 - ◇ The device list is sorted by device ID in descending order by default, and the IP address is not sorted. The default sorting conditions should be maintained after logging back into the client.
 - ◇ Sort only by the field that was last sorted; multiple field sorting simultaneously is not supported.
- Support selecting **Get All Info** or **Only Get Info on Newly Added Channels**.
 - ◇ **Get All Info** : Get all the information from devices to overwrite the existing device information.
 - ◇ **Only Get Info on Newly Added Channels** : Get the information on the newly added channels from devices and keep the existing channel information.
- Devices accessed through the P2P service do not support central recording functions.

3.2 User Management

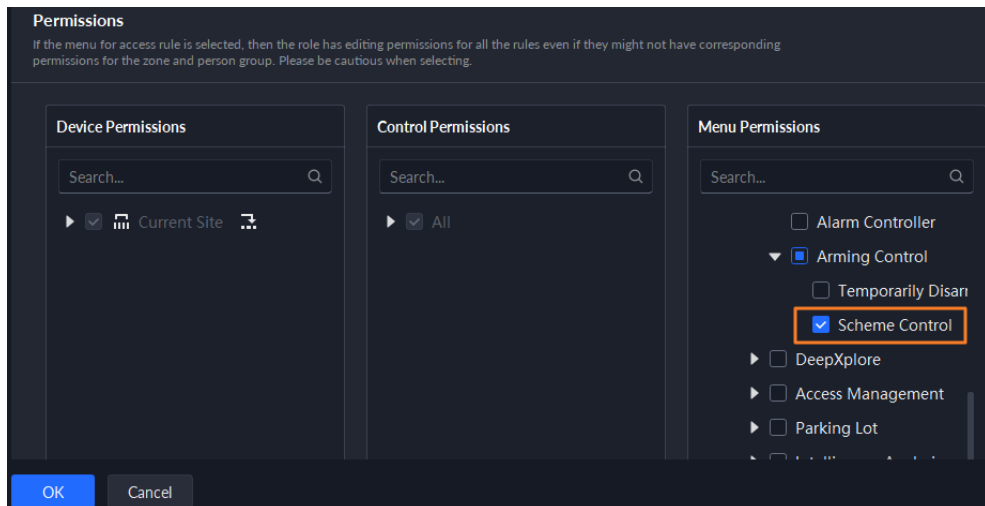
- The resources and view permissions can be controlled in **Role Management**.

Figure 3-3 View and resources permission control



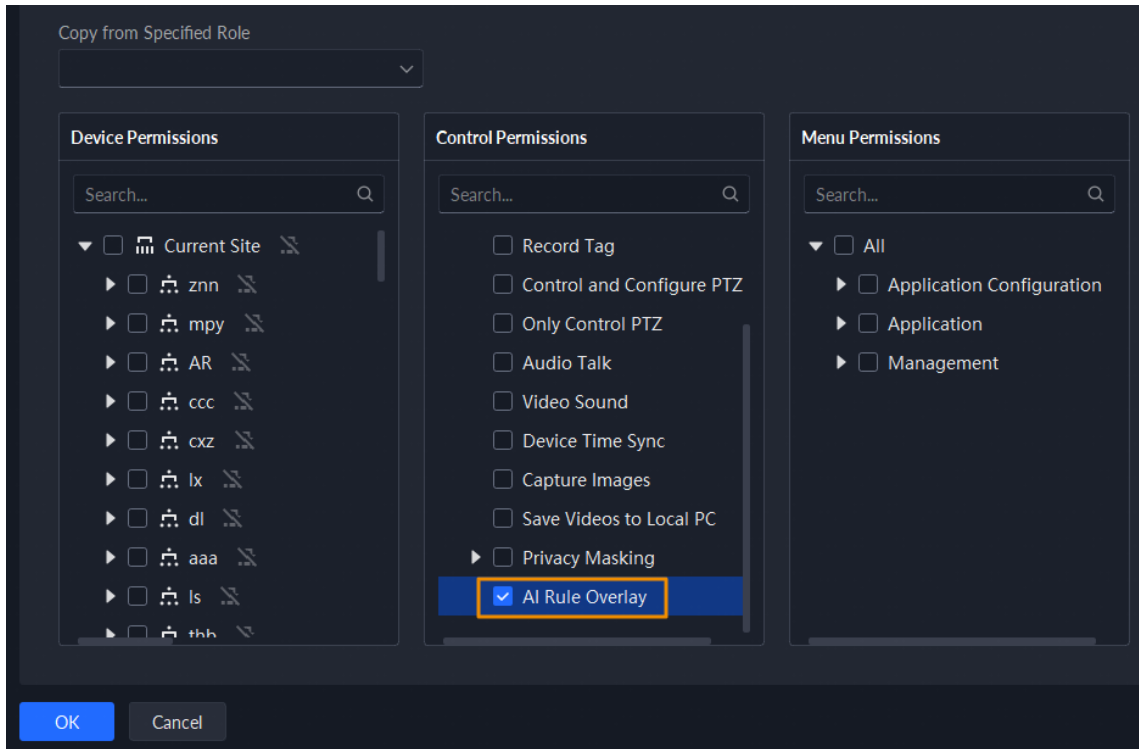
- The scheme control permission can be controlled in **Role Management**.

Figure 3-4 Scheme control permission



- Adding **AI Rule Overlay** control permission.

Figure 3-5 AI rule overlay



3.3 Monitoring Center



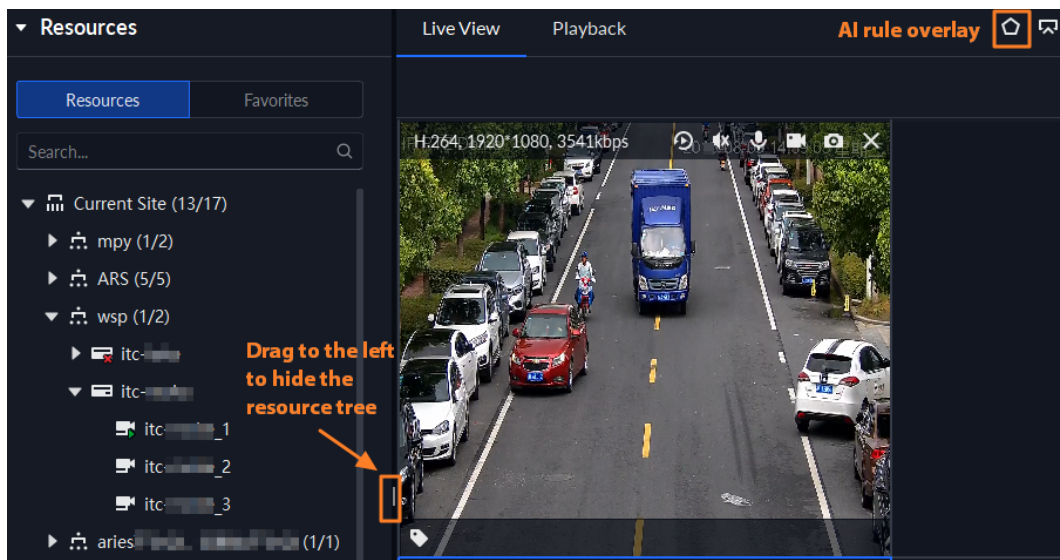
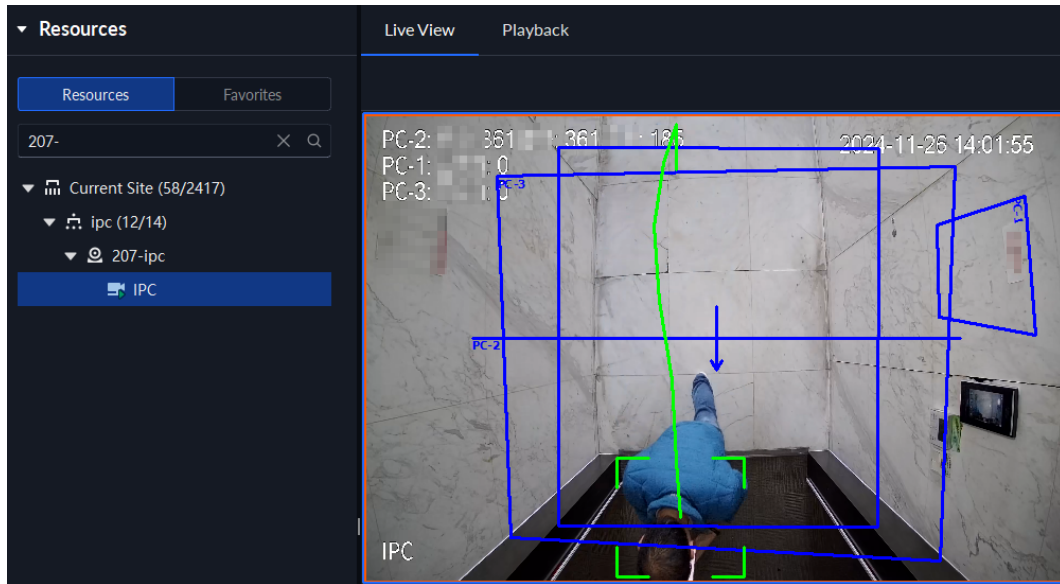
- Drag  between the resource tree and the video window to the left, to hide the resource tree, and then the **View and Resource** selection bar will show at the top, where you can select or search the views and resources that you need, and then drag them to the window to play the video.
- Click  to show the resource tree.
- Supports global settings to overlay intelligent rules on the video image.

Figure 3-6 Hide resource tree and over AL rules




- When viewing live video of people counting cameras (make sure that the people counting function is enabled on the camera), right-click the monitoring image, and then select **AI Overlay** > **Bounding Box Overlay**, you can view the person tracks on the monitoring image.

Figure 3-7 View person track



- View channel status.

Right-click a node, select **Channel Status**, and then you can view the channel details, including status, video information, channel and device information.

Click , and then it goes to the login page of the device webpage.




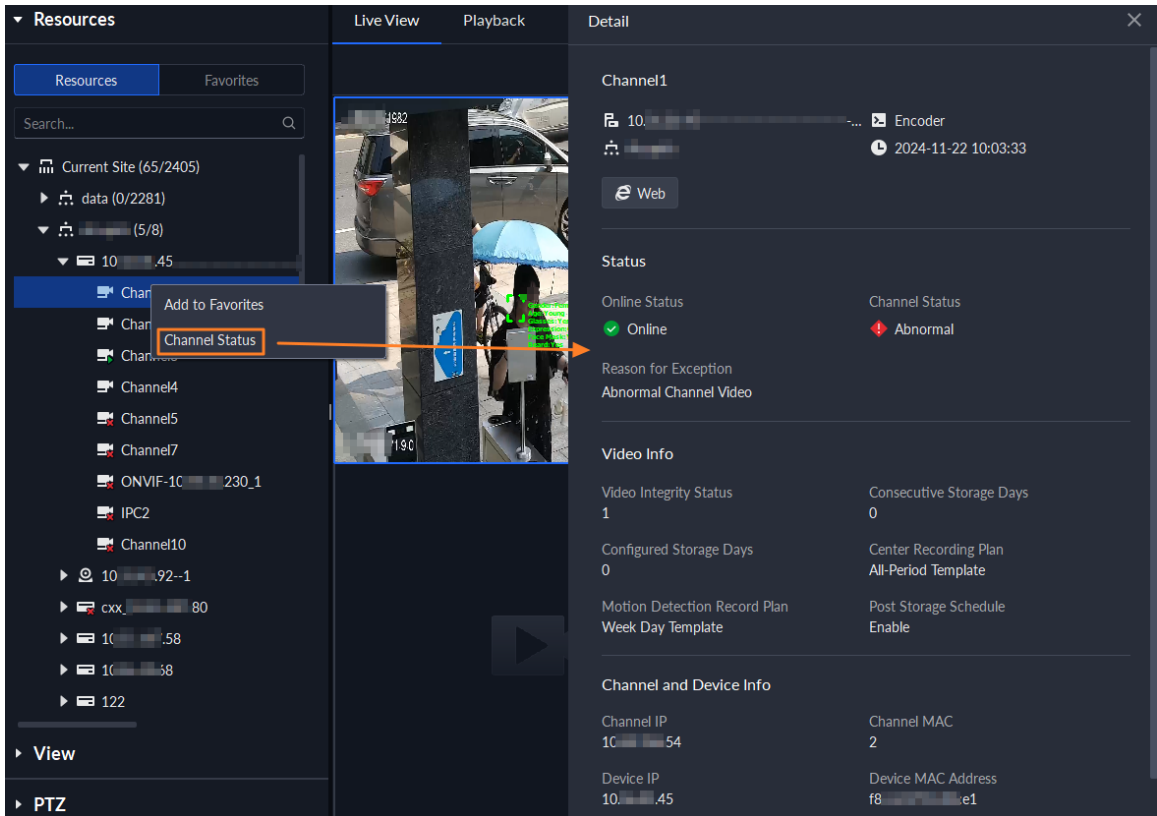
If you do not have the device permissions, you can only open the webpage, but not log in. To configure device permissions, go to  > **User** > **Role**.

Figure 3-8 View channel status



- Right-click the video window, and then select **Detailed Tag** to tag the videos of interest for easy search in the future. You can set tag details such as tag name, tagging time, time before and after tag, the user who adds the tag, tag object, and more. The tagging records can be searched from **Download Center > Tagging Record**.




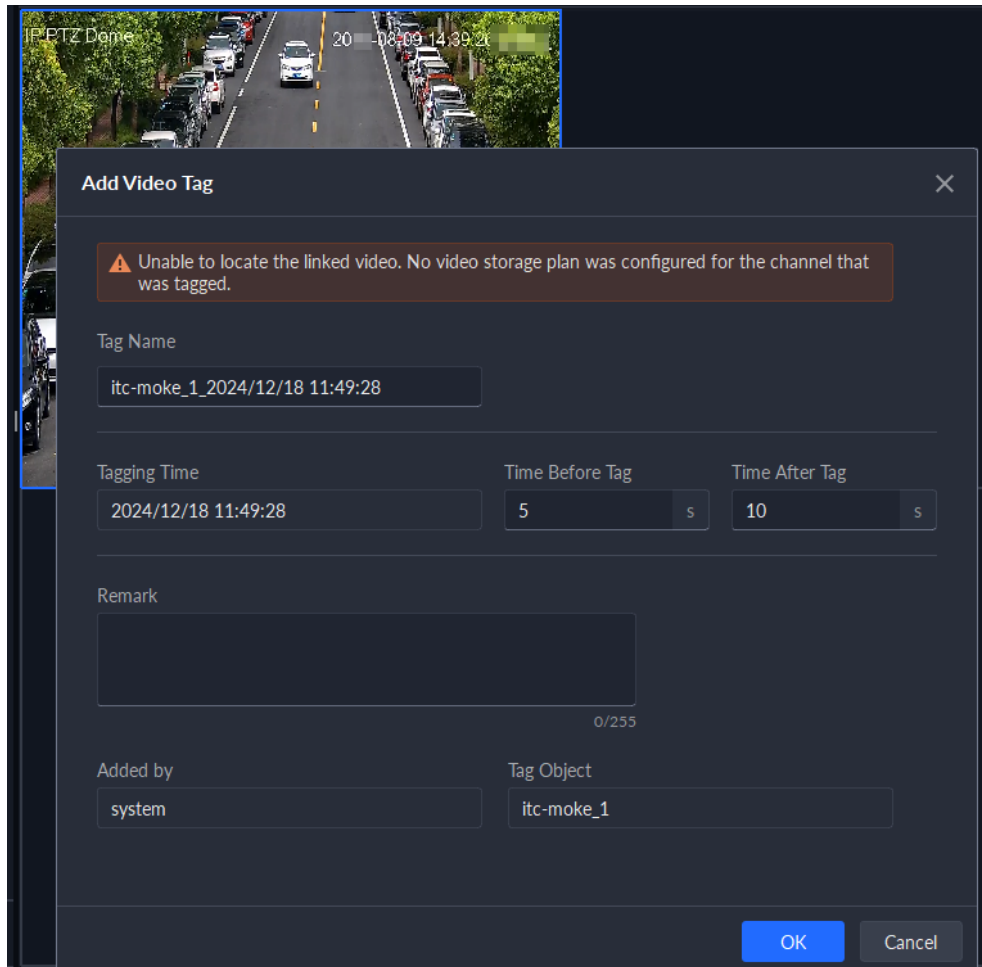


- ◇ **Device Permissions** and the **Record Tag** control permission are required from  > **User > Role Management**; otherwise, you cannot tag the video.
- ◇ The channel that you want to tag is configured with recording plan; otherwise, no video can be searched after you adding the tag.

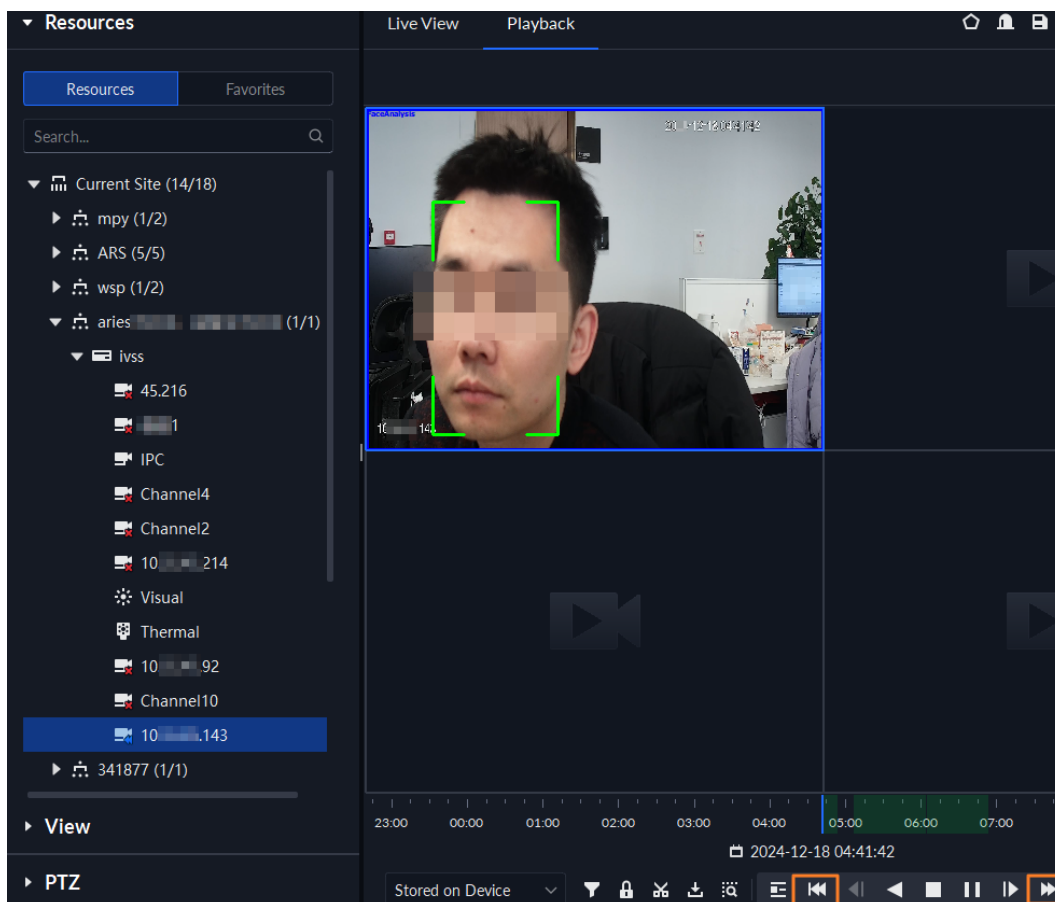
Figure 3-9 Add detailed tag




- Click  or  to play the last or next video clip of the most recent time.

For example, when searching for videos, if you do not remember the exact event time, and there is no video clip at the time that you search, you can try to play the previous or next video of the most recent time, to track the event.

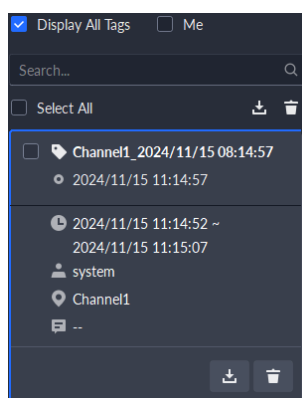
Figure 3-10 Play back previous or next video clip



- When playing back video, click  at the lower right to open the tag and then view the tag records.

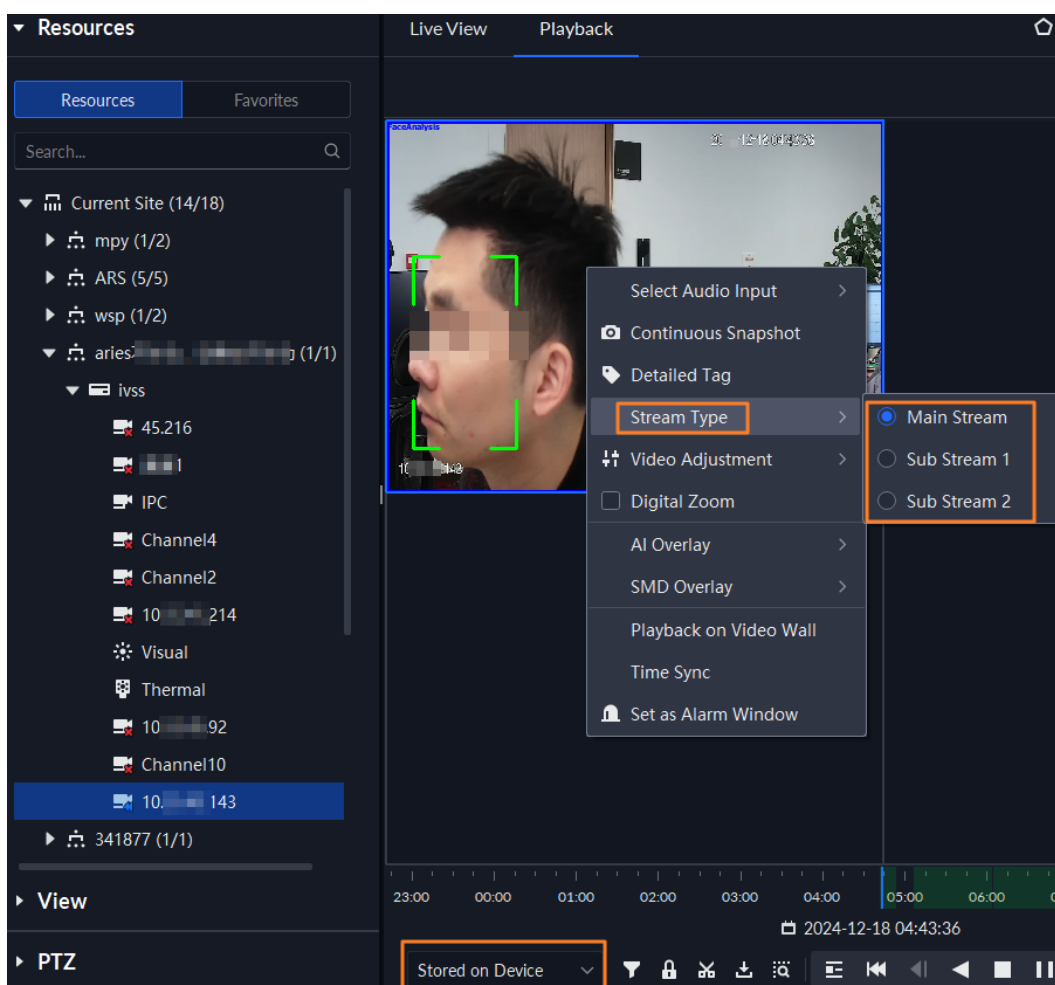
Select **Display All Tags** or **Me** to view all tags or tags added by you.

Figure 3-11 Tag records




- You can select stream type for videos stored on device.

Figure 3-12 Select stream of device recording




3.4 Map

- View device details

Click a device on the map, and then click  to view device name and organization; click the icon again to hide the name and organization.

- Configure static visible range

For devices that do not support sending visible range to the platform, you can customize the visible range on the map. After that, when you monitor or track back a target, you can quickly find the monitoring devices according to the visible range.

Click the device on the map, click  to configure the color and transparency of the static visible range, and click **OK**.



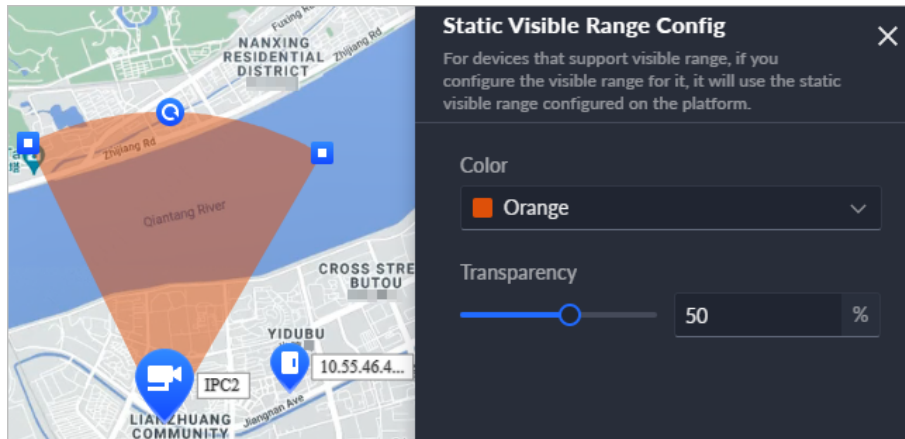
You can drag  to adjust coverage, and drag  to enlarge or reduce the distance.

Figure 3-13 Configure static visible range



- Point clustering

Select **Display Settings** > **Point Clustering**, the system clusters adjacent channels into one point according to the map scale, and identifies the number of channels with numbers.

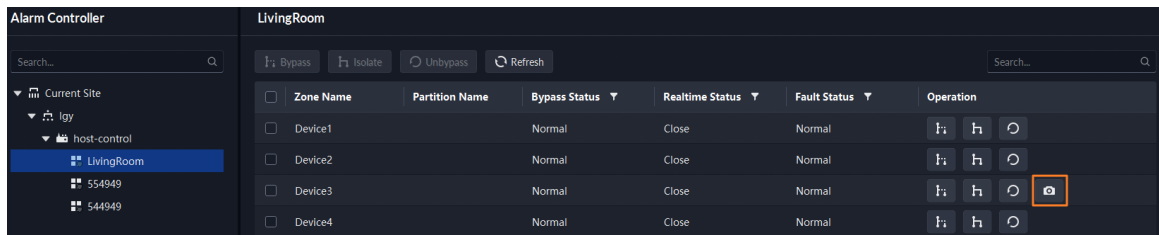
3.5 Event

- Supports taking snapshots on one zone.



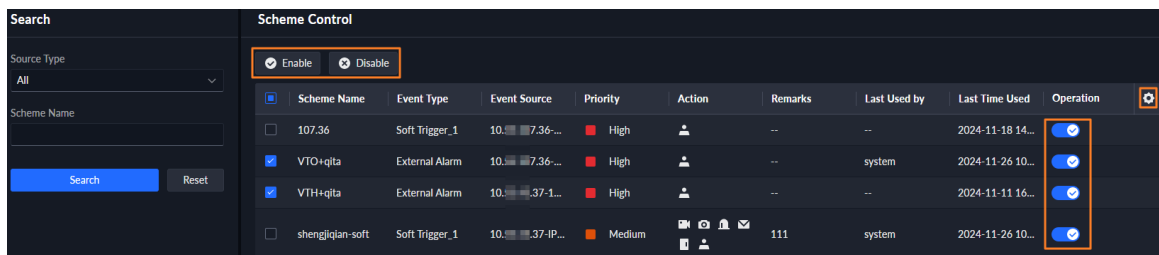
- ◇ The snap function (📷) is available only when the alarm controller is online, and PIR camera is connected to the corresponding zone.
- ◇ The snapshot can be downloaded to local in .jpg format.

Figure 3-14 Take a snapshot



- The platform provides ease of enabling or disabling event schemes with one click. For example, when a device generates events frequently, you can disable it, so that no such events will be received.

Figure 3-15 Scheme control



3.6 Parking Lot

Supports organization management. Supports adding parking lot organizations and displaying parking lots by organization.

Figure 3-16 Add parking lot organization

← Add Parking Lot Organization

Basic Info

* Organization Name: 555 Parent Organization: Current Site

Roles Allowed Access

Select Roles

Search...

- Super Administrator
- Administrator

>

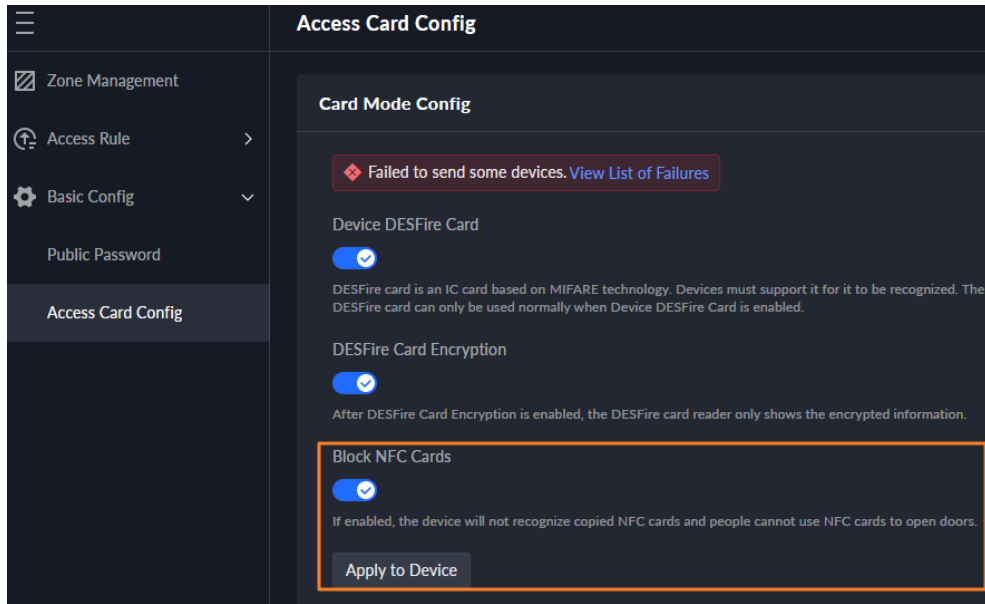
Selected (2)

Role	Operation
Super Administrator	<input type="checkbox"/>
Administrator	<input type="checkbox"/>

3.7 Access Control

- Enable **Block NFC Cards**, and then click **Apply to Device**, the devices will not recognize copied NFC cards, and people cannot use NFC cards to open doors.

Figure 3-17 Block NFC cards




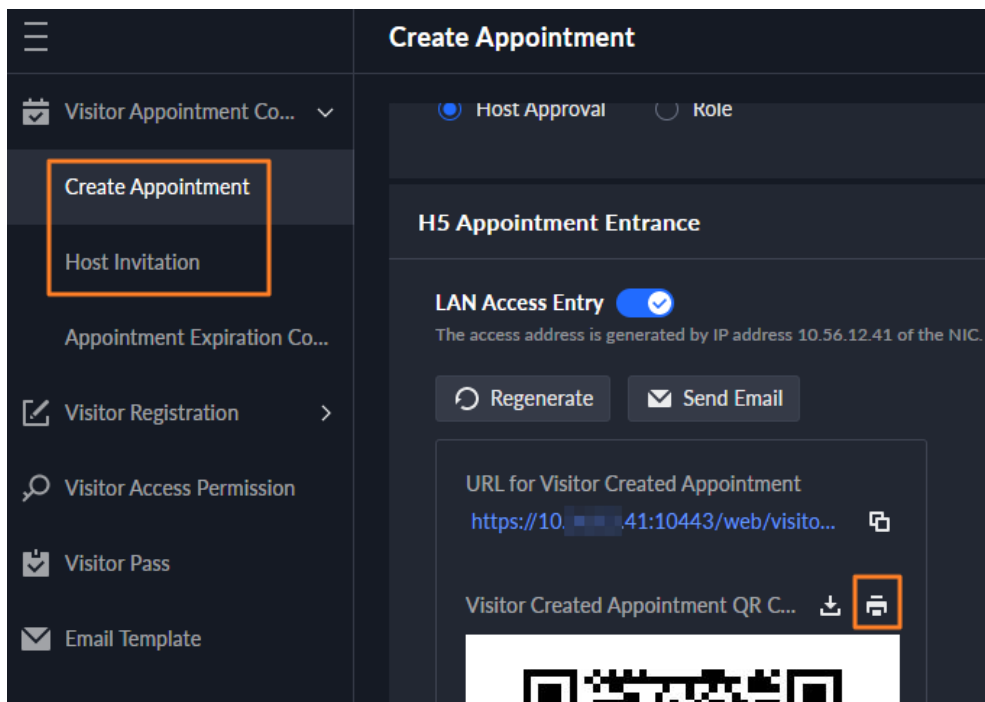
- For QR codes generated on the **Create Appointment** and **Host Invitation** pages, you can click  and then select the printer to print the QR code.

Figure 3-18 Print QR code



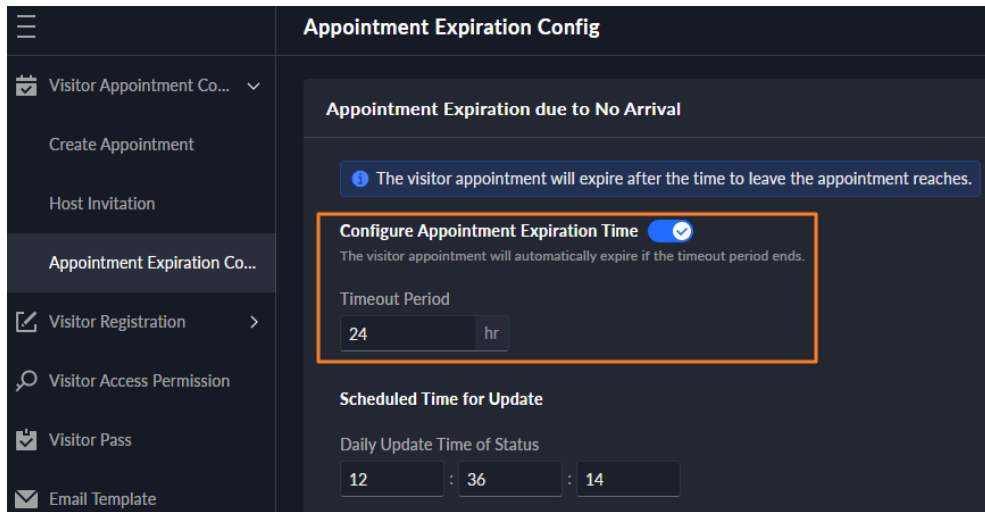
- Enable **Configure Appointment Expiration Time**, and then set the timeout period. If the visitor does not visit within the defined period after the appointment, the appointment will automatically expire.



- ◇ The appointment will expire after the appointment leaving time expires.
- ◇ The appointment will expire if the appointment is not approved after the appointment leaving time.

- ◇ The visitor status will be automatically updated at the defined time of each day. It is 2:00 am each day by default.

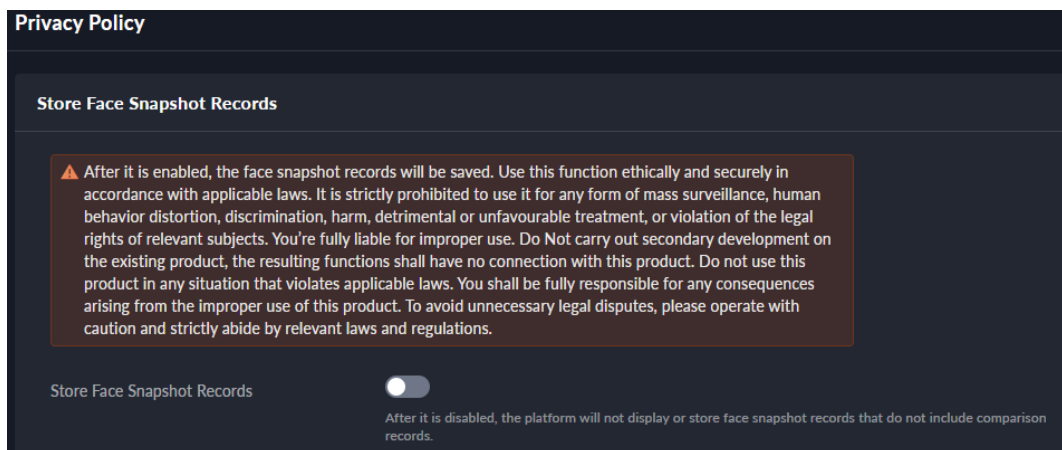
Figure 3-19 Configure appointment expiration



3.8 System Parameters

Added the privacy policy function: You can select enable or disable **Store Face Snapshot Records** as needed. When it is disabled (default), the platform will not display or store face snapshot records that do not include comparison records.

Figure 3-20 Privacy policy



3.9 Local Settings


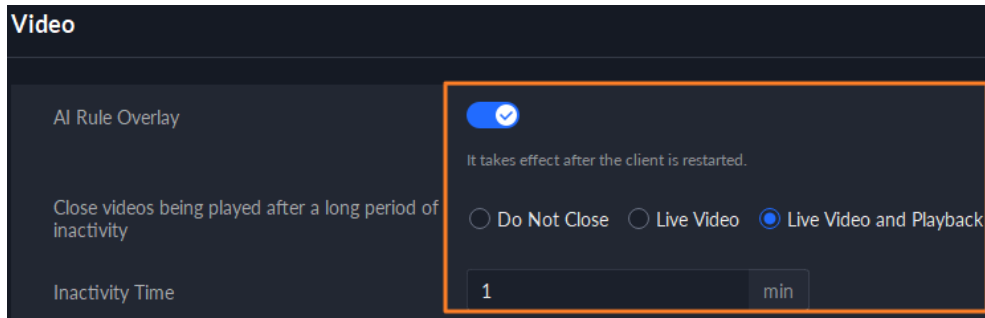
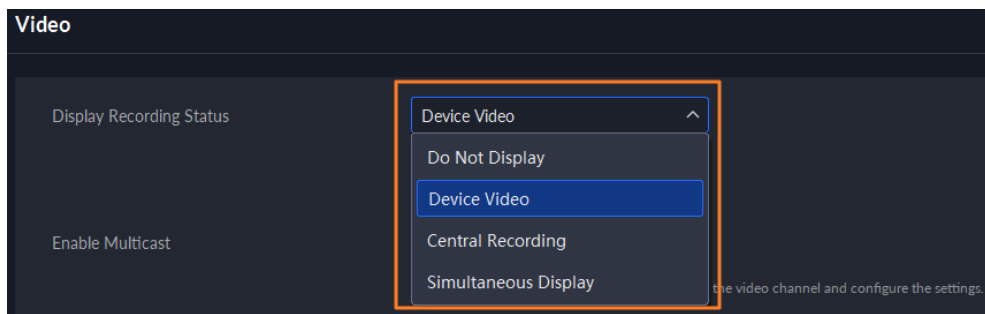
- AI rule overlay: After turning it on, when viewing live video or playing back recorded video, right-click the video window, the **AI Overlay** and **SMD Overlay** menus will be displayed. If you turn it off, these menus will be hidden, and the  icon on the live view and playback pages are also hidden.
- Close videos being played after long period of inactivity: The system closes live view or playback automatically after inactivity for a pre-defined period of time. Supports up to 30 minutes.

Figure 3-21 Video parameter settings



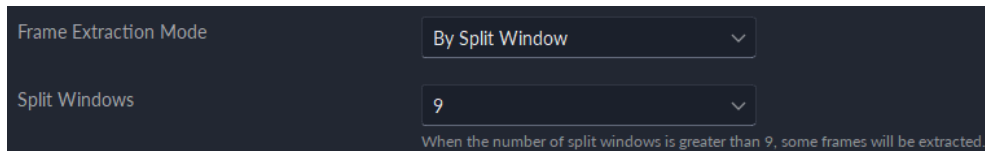
- You can select displaying or not displaying an icon on the upper-left corner of the window when recording is performed.

Figure 3-22 Display recording status



- Supports extracting frames when the number of split windows is greater than the defined split windows. No frames will be extracted when the window is maximized.

Figure 3-23 Extract frames by split windows



3.10 Quick Commands

When selecting **POST** or **PUT**, you can click  to customize the body of HTTP URL.

Figure 3-24 Customize the body of HTTP URL

