



HikCentral Professional

Release Notes

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Chapter 1 [Improvement] General Optimizations

Installation and Upgrade

1. Provides a full package, a basic package, and 13 applications.

Full Package

Contains all functions of the platform. Supports selecting applications to install.

Basic Package

Provides a lighter package containing some basic functions such as video monitoring, access control management, person management, etc. When installing the basic package, users can install different applications if needed.

Application

Users can install different applications according to their actual needs, which makes the Software lighter. The following applications are provided: Multi-Site Management, AR, Evidence Management, Integrated Service, On-Board Monitoring, Parking Lot Management, Portable Enforcement, Smart Wall, Third-Party Integration, Time and Attendance, Visitor Management, Security Inspection, and Alarm Detection.

2. (Web Client) Adds the Application Market on the top right of the Home page. On the Application Market page, users can download, install/uninstall, and enable/disable applications. Hiding an application helps decreasing the number of licenses users need to apply for, so that users can display different modules according to their needs.

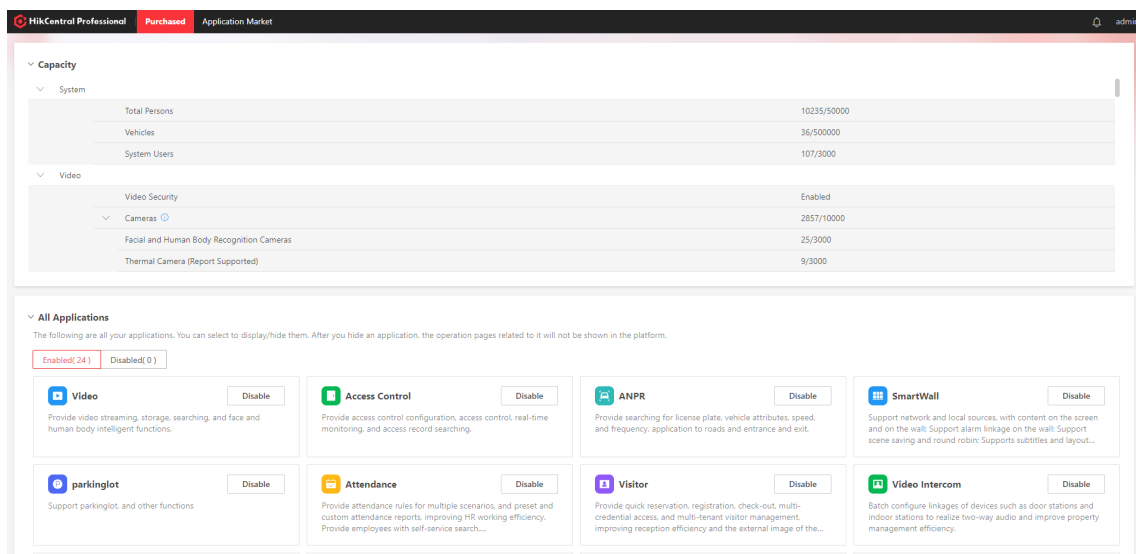


Figure 1-1 Purchased

The Application Market supports downloading packages of all supported languages.

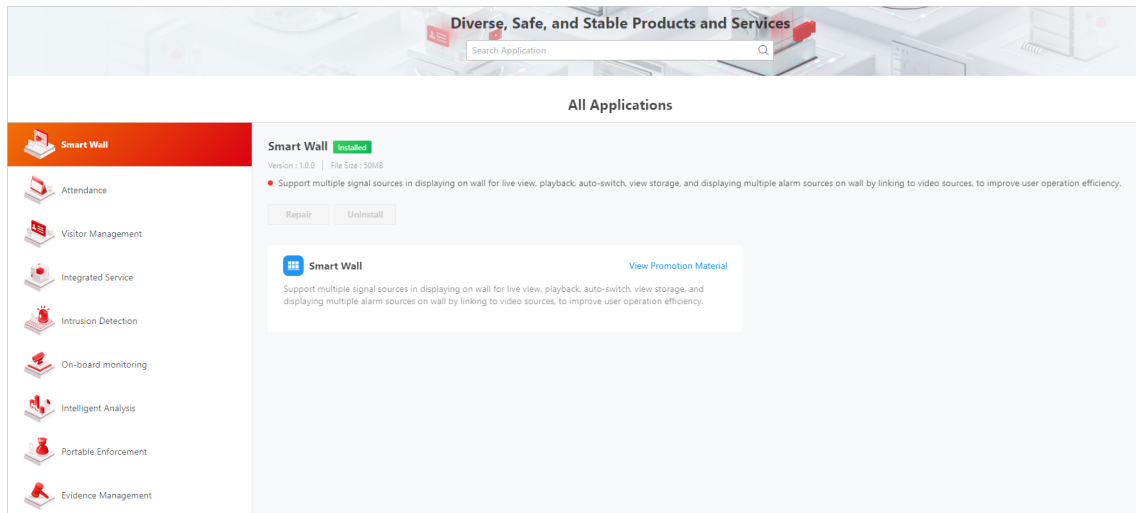


Figure 1-2 Application Market

3. (Control Client) Provides a smaller installation package.
4. For V2.0 series, V2.1 series, V2.2 series, V2.3 series, V2.4 series, supports upgrading to V2.5.0.
5. After upgrading the SYS server, when logging in to the Control Client of a lower version, a prompt will pop up for upgrading the Control Client, and the URL for downloading the new package will show. Users can click the URL to download the package.

License

1. Simplifies the licensing structure, making the license purchase easier. Provides two business types: selling by channels and selling by modules.

Selling by Channels

Recommended for applications that strongly associated to the number of devices, such as Video Management, Access Control, etc.

Selling by Modules

Recommended for applications that require specific abilities, such as Smart Wall, Visitor, etc.

2. Video preview for integrated devices is free, and storage is charged separately.
3. Updates the quotation tools.

User Interface

1. (Control Client) Simplifies the Home page, and makes the Digital Control Panel a module.

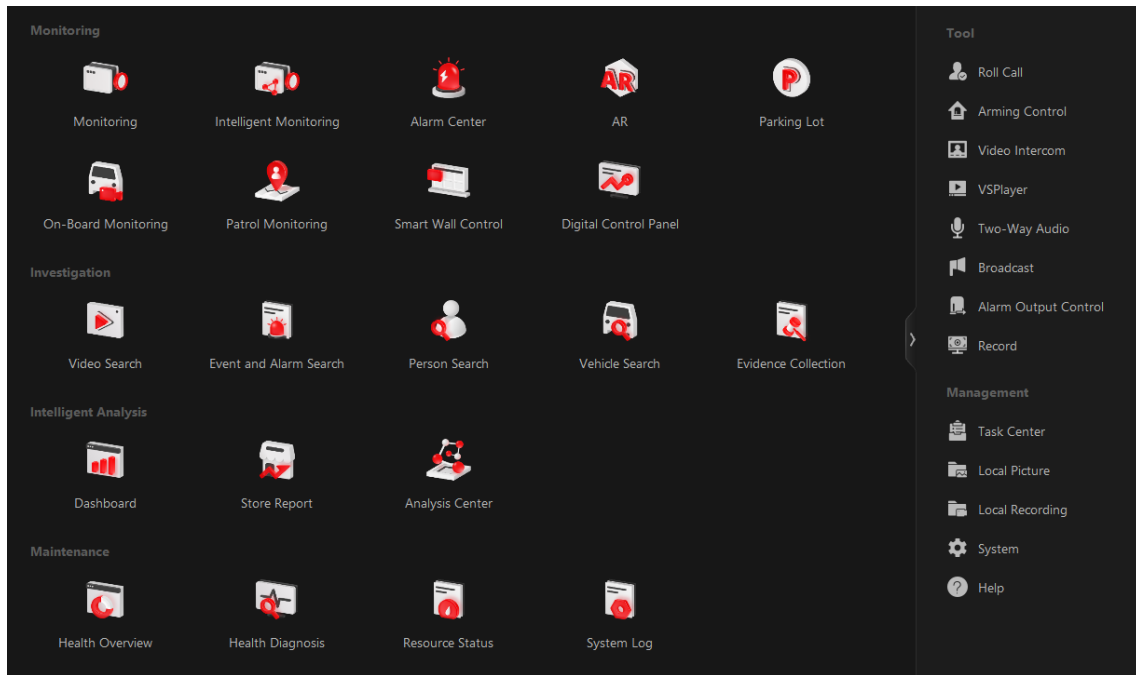


Figure 1-3 Home Page

2. (Control Client) Optimizes the menu's layout and background color, and changes the icons on the left navigation bar.

Security

1. Support changing the login password via the activation code if the password is forgotten.
2. When entering password, supports pasting copied information.

Chapter 2 [New] Standard Protocol Integration

This version allows third-party systems to integrate via the BACnet and SIA protocols to obtain some functions of HikCentral Professional for developing more customized features.

Integrate via BACnet Protocol

1. Supports adding BACnet devices to the platform by two methods: adding online devices and adding by entering device instance No. Supports managing devices such as editing, deleting and searching.

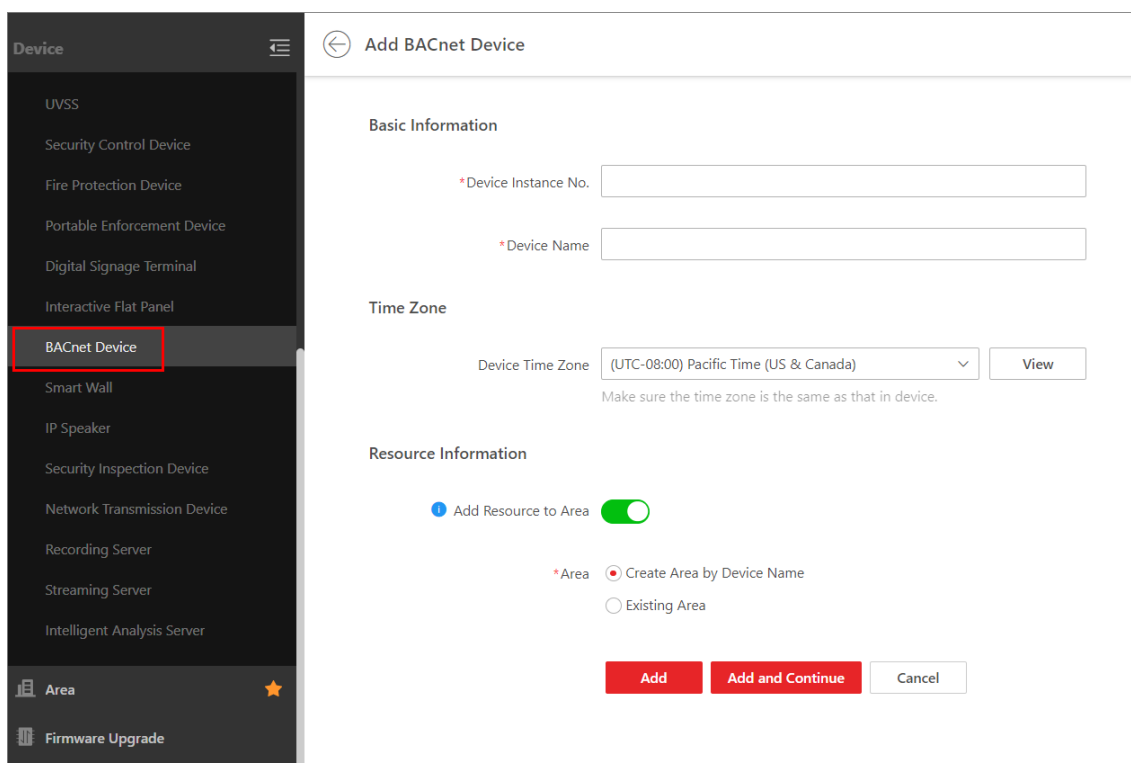


Figure 2-1 Add BACnet Device

2. On the Area page, supports adding BACnet objects to areas for management.

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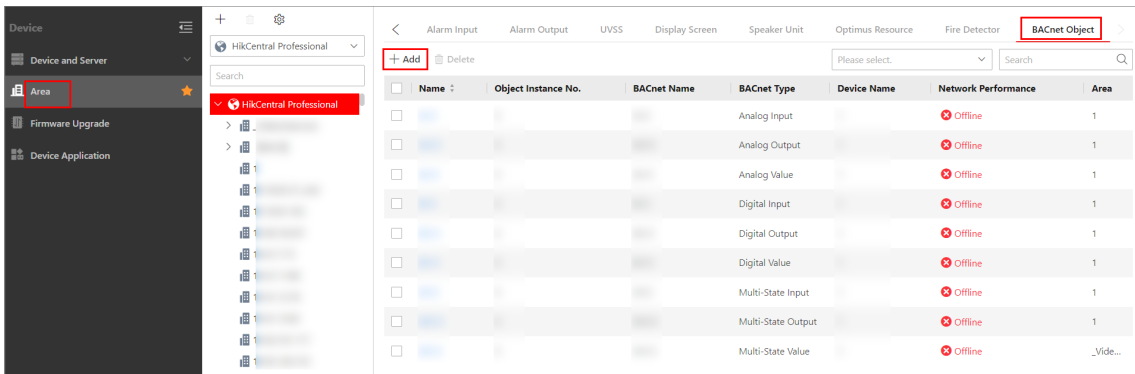


Figure 2-2 Add BACnet Object to Area

- Supports configuring the BACnet gateway for integration, including the basic parameters (such as the partner user, protocol version, instance No., and BACnet device name), object parameters (i.e., adding objects and linking objects with resources on this platform), and object templates.

BACnet Gateway

Basic Configuration Object Configuration Object Template

BACnet Gateway

* Partner User

* Protocol Version

* Transport Protocol

* BACnet Instance No.

* BACnet Device Name

* Max. APDU Size

* APDU Timeout Duration

* APDU Resending Times

Save

Figure 2-3 Set BACnet Gateway

4. Supports viewing the network status and arming status of BACnet devices and filtering BACnet device status by exception types.
5. Supports viewing the status of BACnet objects and filtering BACnet object status by exception types and object types.

Integrate via SIA Protocol

1. Supports adding security control devices via SIA protocol.

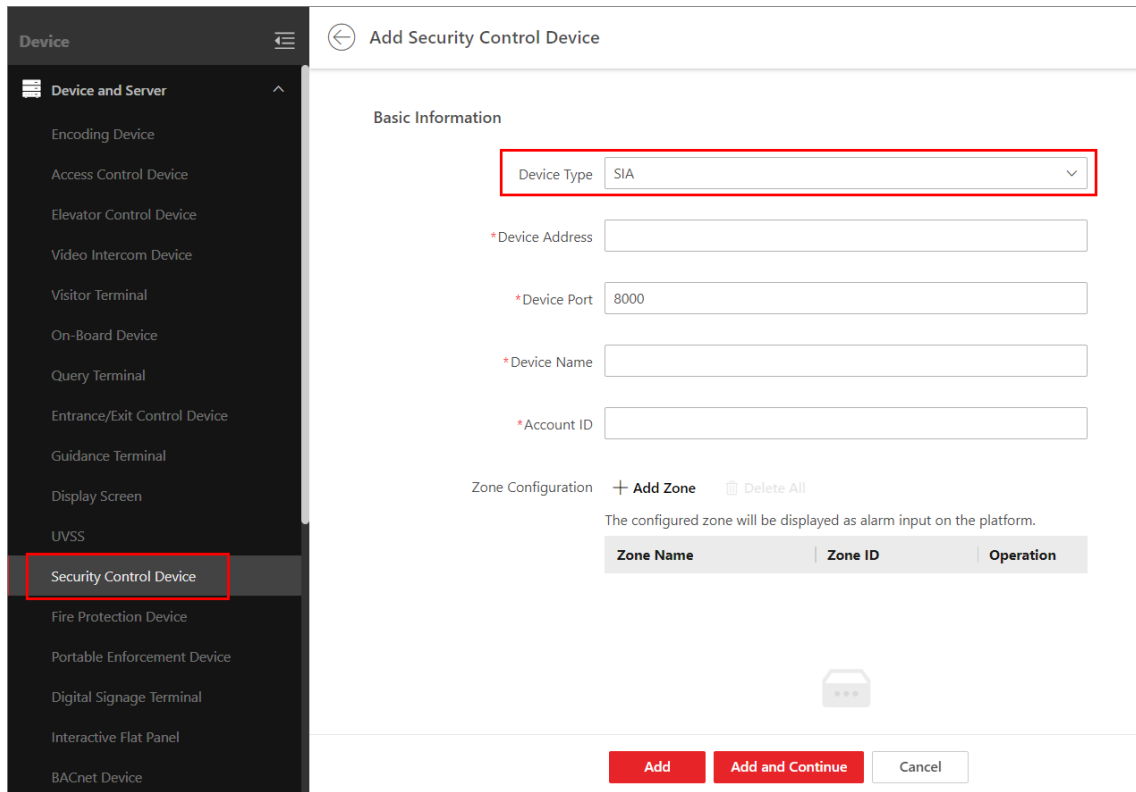


Figure 2-4 Add Security Control Device

2. Supports configuring the SIA gateway for integration, including basic parameters (such as the partner user, protocol version, IP address, and port No.), zone parameters (i.e., adding zones), and event templates.

SIA Gateway

Basic Configuration Zone Configuration Event Template Configuration

SIA Gateway

* Partner User

* Protocol Version

* Transport Protocol

* Third-Party System IP Address

* Port No.

* Linecard Number

* Receiver Number

* Heartbeat Interval Second

* Connection Status Connected

Figure 2-5 Set SIA Gateway

3. Supports setting relationships between event type IDs and names to allow the platform to receive and display SIA events from the third-party devices.

Chapter 3 [Improvement] Resource Management

Updates related to the resource management module are shown below.

1. Adds the entry of adding portable devices. Supports adding devices to the platform by four methods: adding by device ID / ID segment, batch importing, and adding auto-detecting devices. Supports managing devices such as editing, searching, and setting time zones.

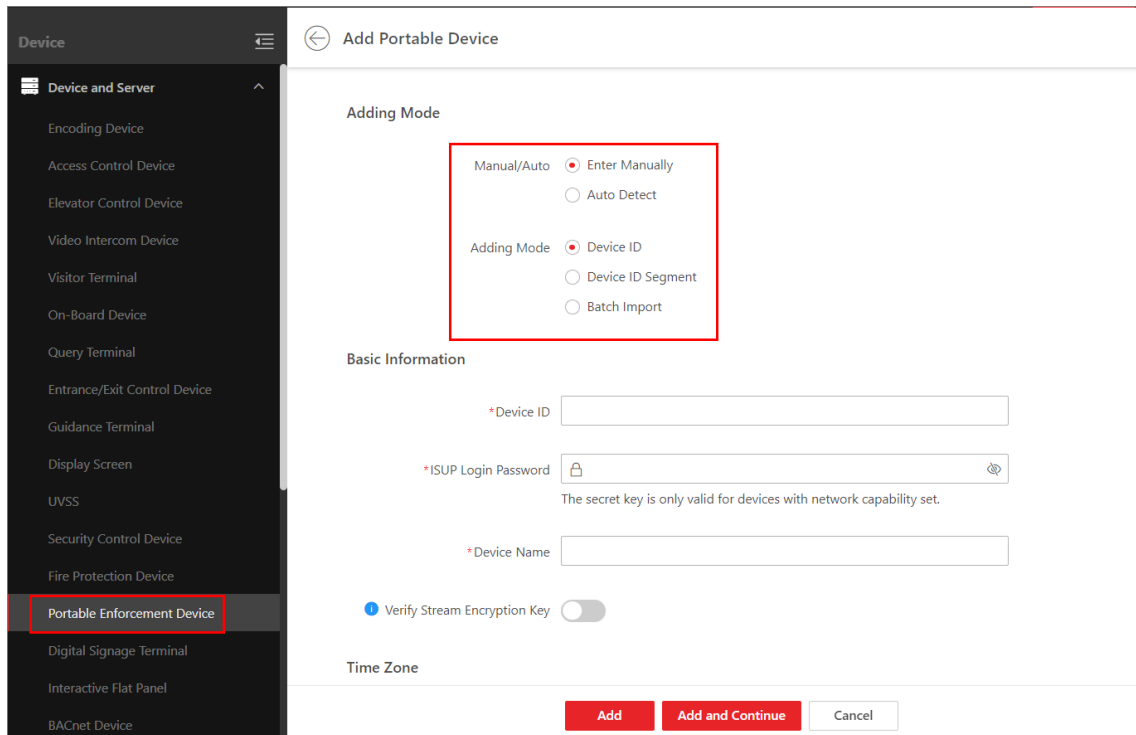


Figure 3-1 Add Portable Device

2. On the editing dock station page, supports storing files on the cluster storage and selecting the copy-back file type as all files or important files.

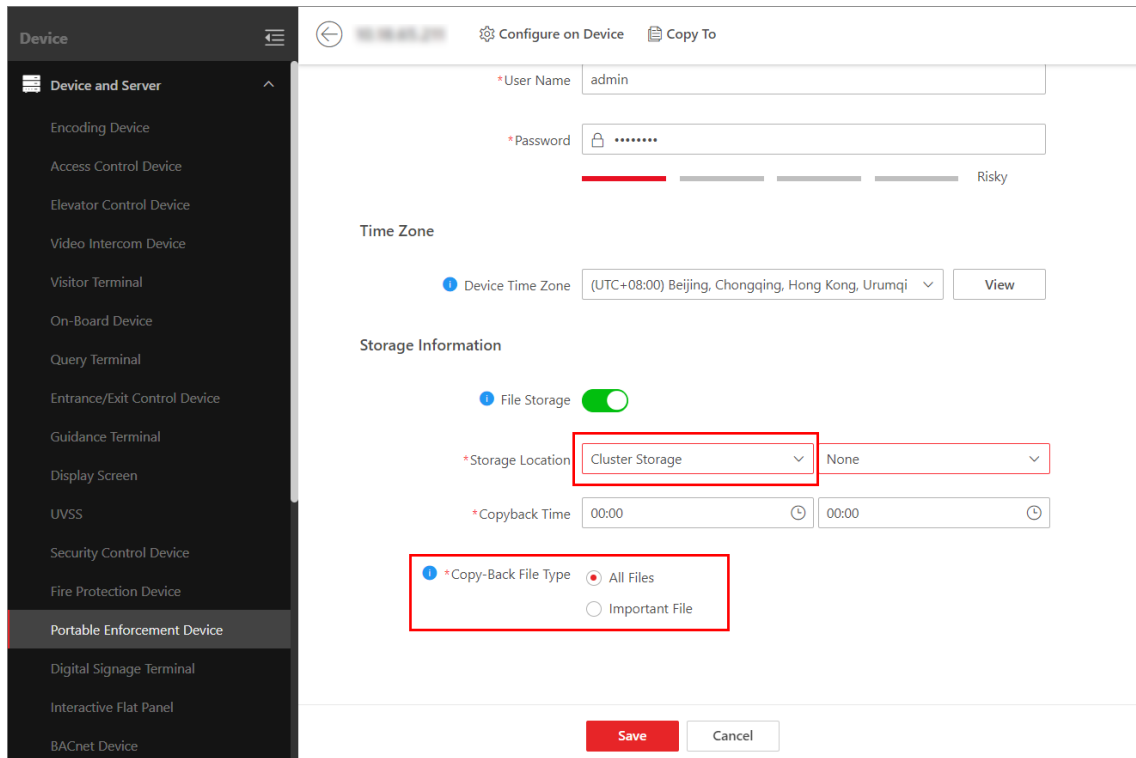


Figure 3-2 Dock Station Configuration

3. Supports selecting device types when adding security control devices.

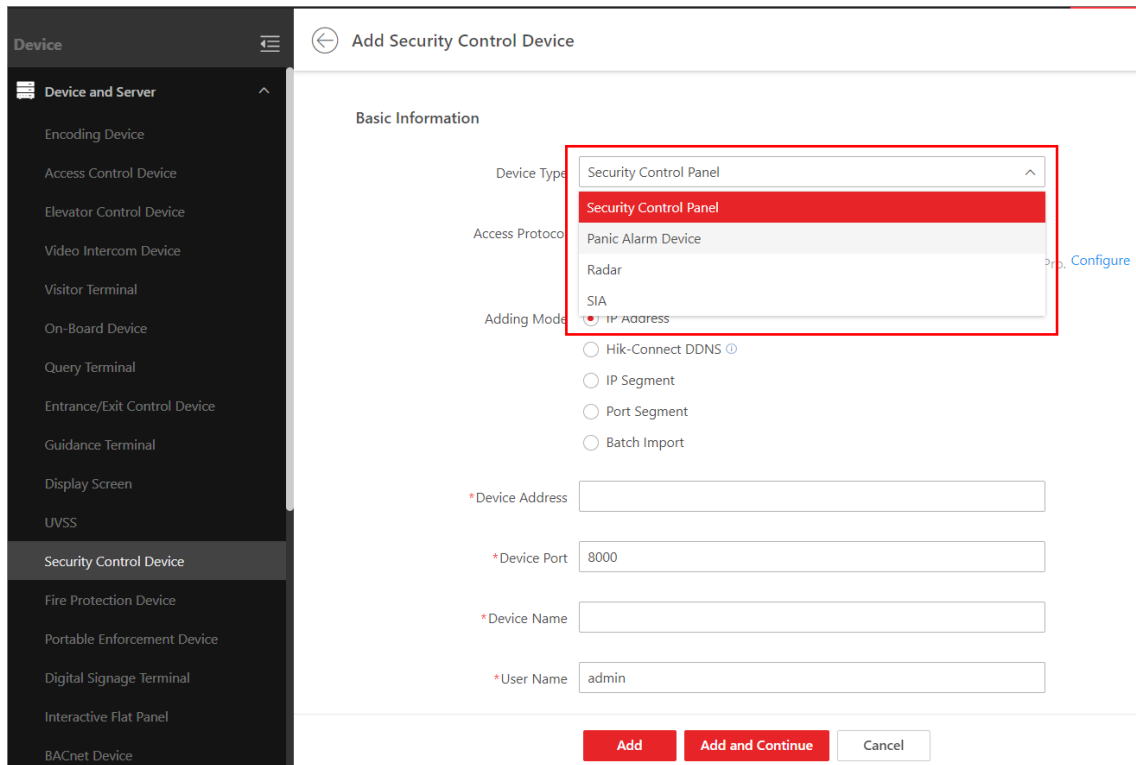


Figure 3-3 Select Device Types

4. Adds the new methods of adding digital signage terminals: adding by auto registration on devices, adding by IP segment, and batch importing.

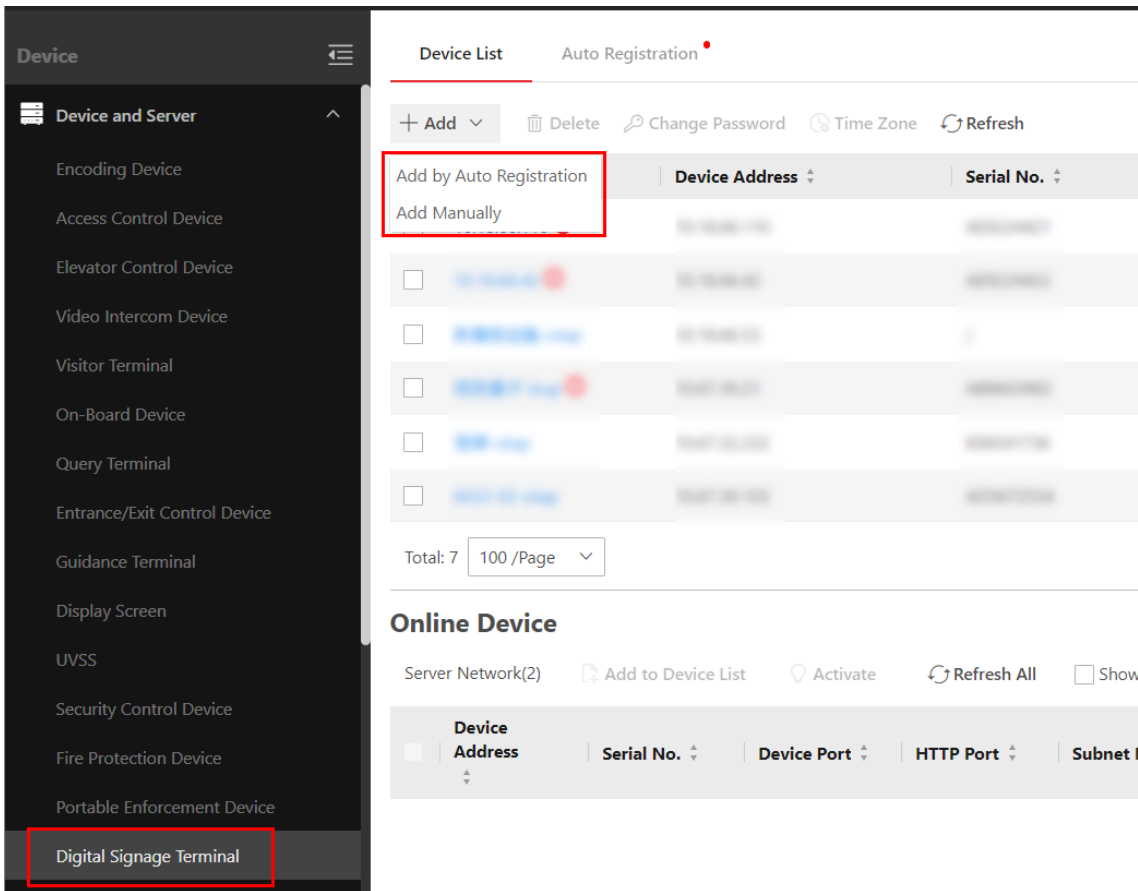


Figure 3-4 Add Digital Signage Terminal

5. Supports adding interactive flat panels by auto registration on devices.

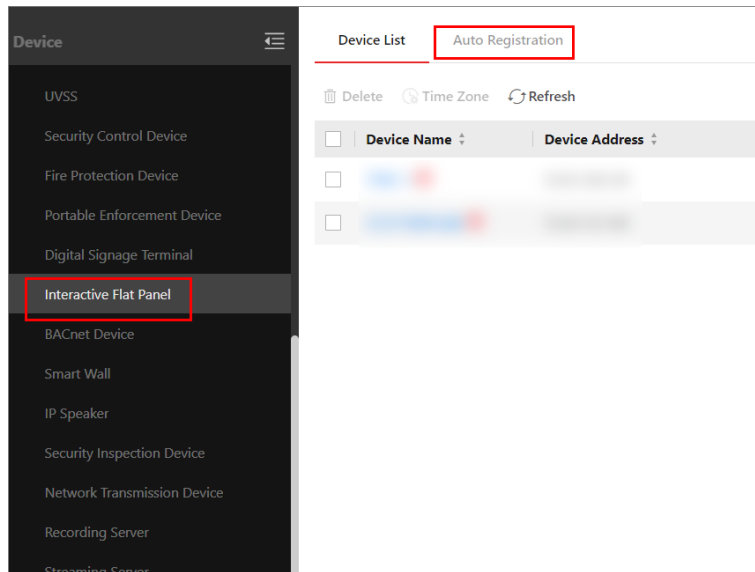


Figure 3-5 Add Interactive Flat Panel

- For some series of access controllers, supports adding and viewing access modules, and upgrading the firmware versions of access modules.

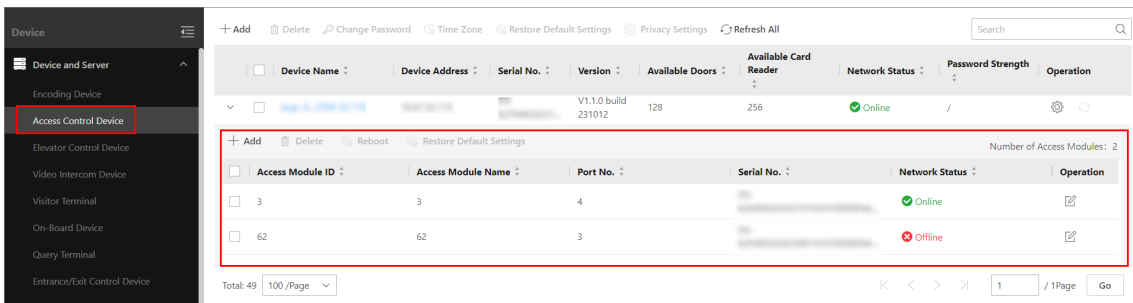


Figure 3-6 Access Modules of Access Controller

- Supports filtering the added on-board devices by Wi-Fi status.

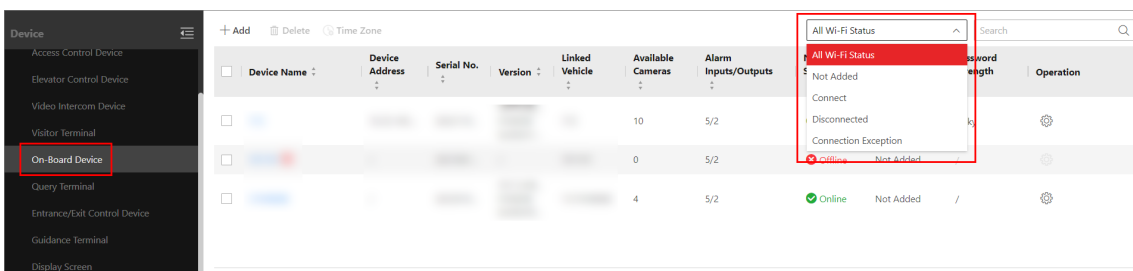


Figure 3-7 Filter On-Board Devices by Wi-Fi Status

- On the Add Recording Server page, supports enabling stream object storage and configuring the related parameters.

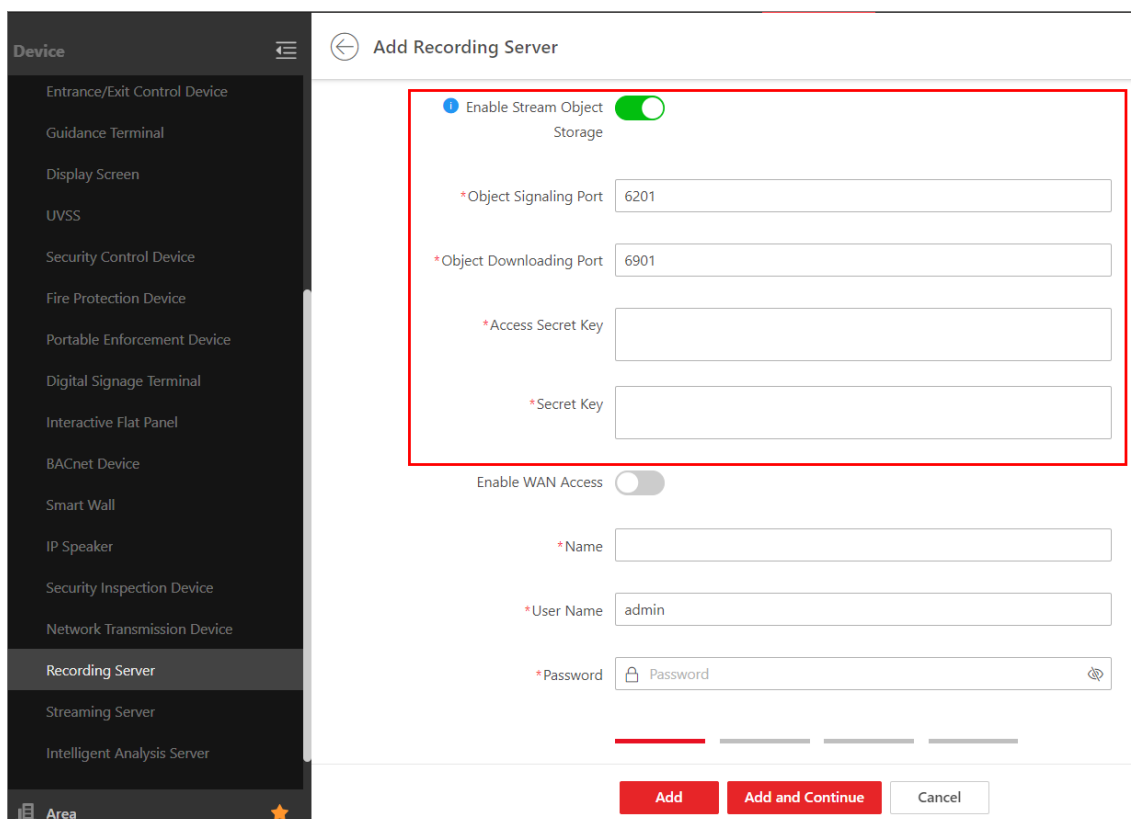


Figure 3-8 Enable Stream Object Storage

- 9. Changes the name "Deepinmind Server" to "Intelligent analysis server".
- 10. On the Area page, supports adding Optimus resources to areas for management.

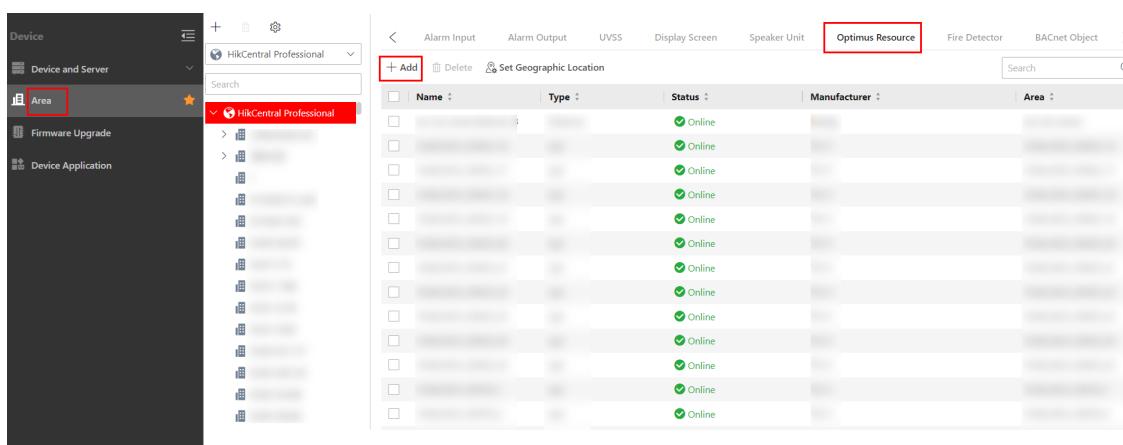


Figure 3-9 Add Optimus Resource to Area

- 11. On the Area page, supports adding doors and elevators to the Remote Site. Supports editing and deleting the added doors and elevators.

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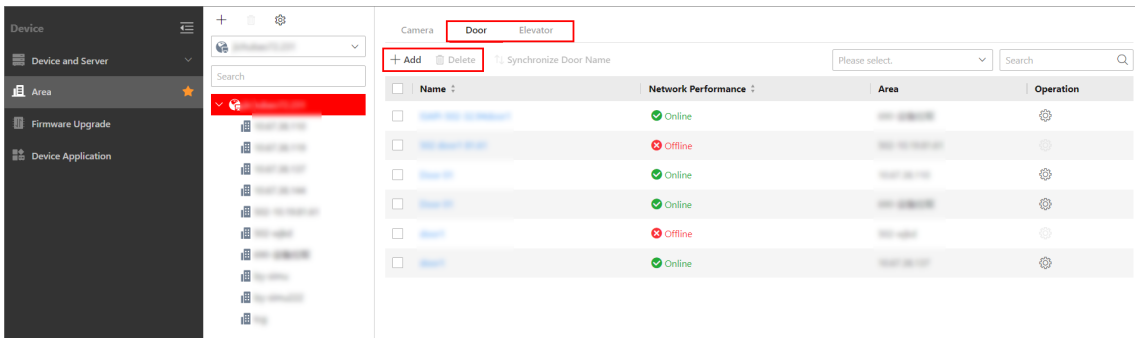


Figure 3-10 Manage Doors and Elevators on Remote Site

12. On the Area page, supports configuring shutdown delay for the vehicles added to the area.

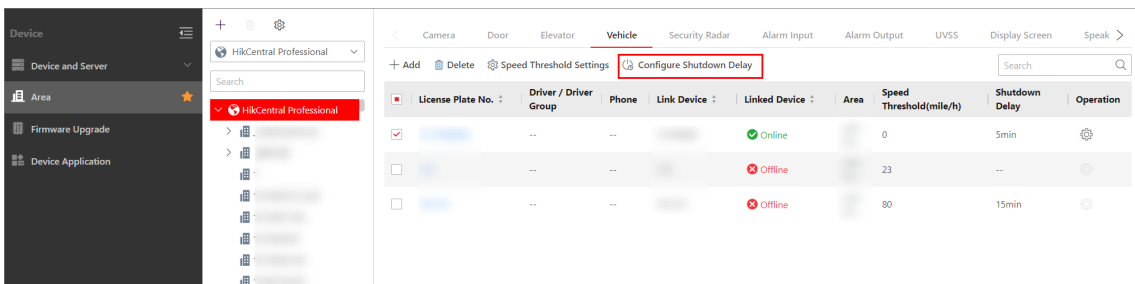


Figure 3-11 Configure Shutdown Delay

Chapter 4 [Improvement] Remote Site Management

Updates related to the Remote Site management module are shown below.

1. (Web Client) Isolates "Remote Site Management" from the Video module.

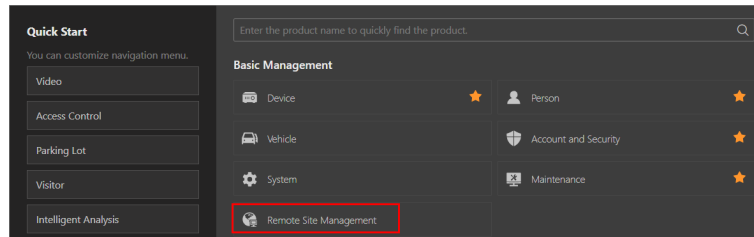


Figure 4-1 Remote Site Management

2. (Web Client) When viewing the changes of the Remote Site, supports viewing the newly added / deleted / renamed doors and elevators.

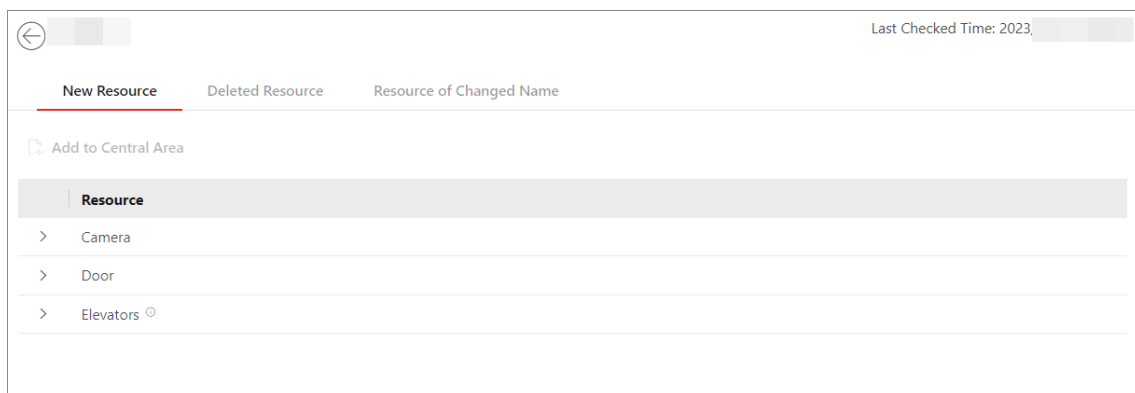


Figure 4-2 Newly Added Doors and Elevators

3. (Web Client and Control Client) With the plugin, supports starting live view of cameras linked with doors from Remote Sites.

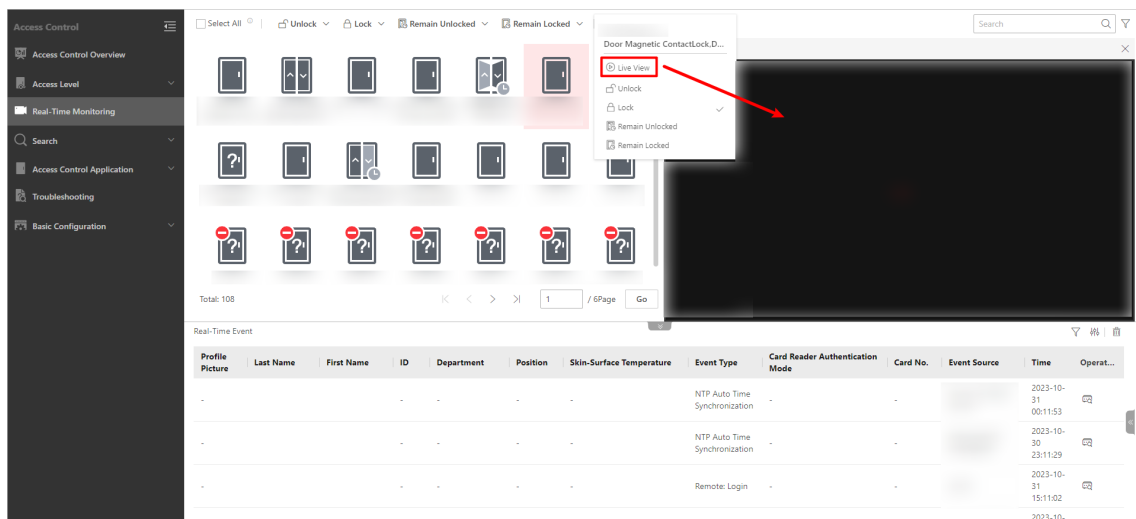
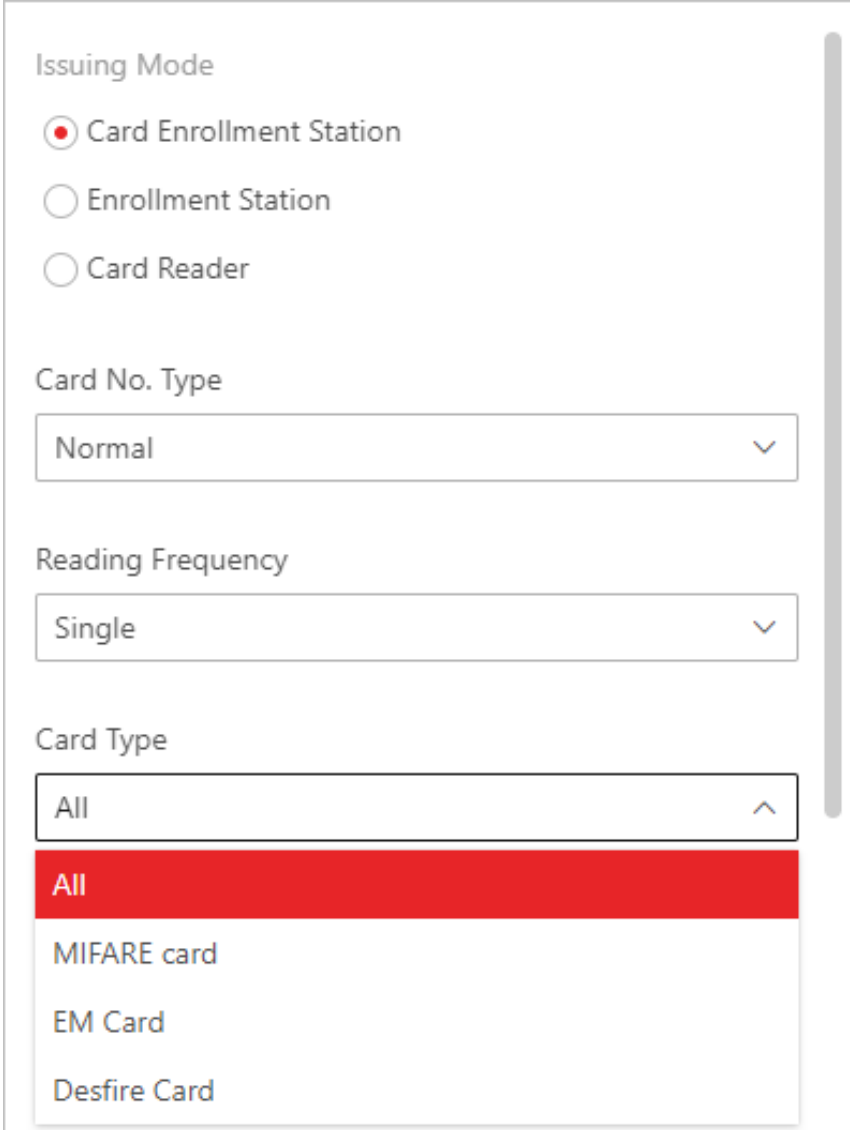


Figure 4-3 Door Live View

4. (Web Client and Control Client) Supports playback of doors from Remote Sites.
5. The platform supports managing access control of remote sites. The supported features are as below:
 - a. (Web Client) Importing doors from remote sites to the Central system.
 - b. (Web Client, Control Client, and Mobile Client) Controlling status of doors from remote sites.
 - c. (Web Client and Control Client) Starting live view and playback of doors from remote sites.
 - d. (Mobile Client) Starting live view of doors from remote sites.
 - e. (Web Client and Control Client) Starting live view of cameras linked with doors from remote sites.
 - f. (Web Client) Importing events and alarms settings from remote sites to the Central system.
 - g. (Web Client and Control Client) Receiving, displaying, and searching for events triggered by access control devices from remote sites in real time.
 - h. (Web Client and Control Client) Receiving and displaying alarms transferred from remote sites in real time.
 - i. (Control Client) On the Alarm Center page, selecting a site (It can be a remote site) to search and exporting alarms.
 - j. (Mobile Client) In the Central system, viewing alarms triggered by access control devices from remote sites.
 - k. (Web Client and Control Client) On the Maintenance page, viewing statuses of access control devices, elevator control devices, video intercom devices, doors, and floors from remote sites.
 - l. (Web Client, Control Client, and Mobile Client) On the Identity Access Search page, selecting remote sites for data searching.
 - m. (Web Client, Control Client) On the Device Recorded Data Retrieval page, selecting remote sites for data searching.

Chapter 5 [Improvement] Person Management

1. (Web Client) The Credential Management pane supports selecting card type when the issuing mode is enrollment station.



The screenshot shows a web interface for credential management. It features three sections: 'Issuing Mode' with three radio button options ('Card Enrollment Station' is selected), 'Card No. Type' with a dropdown menu set to 'Normal', and 'Reading Frequency' with a dropdown menu set to 'Single'. The 'Card Type' dropdown menu is open, showing a list of options: 'All' (highlighted in red), 'MIFARE card', 'EM Card', and 'Desfire Card'. A vertical scrollbar is visible on the right side of the form.

Figure 5-1 Select Card Type

2. (Web Client) On the Add/Edit Person page, adds the Portable Enforcement tab page.

The screenshot shows the 'Add Person' page in HikCentral Professional. The page is titled 'Add Person' and has a navigation bar with tabs: Basic Information (selected), Private Information, Access Level, Schedule, Face Comparison Group, Portable Enforcement, Resident Information, and Vehicle Information. The 'Basic Information' tab is active, showing fields for ID, Department, First Name, Last Name, Effective Period, Date of Employment, Allow Login to Self-Service, and Employee Self-Service Password. A profile picture placeholder is on the right, with icons for adding photos, fingerprints, and other credentials. A 'Credential Management' button is also present. At the bottom, there are 'Add', 'Add and Continue', and 'Cancel' buttons.

Figure 5-2 Add Person Page

3. (Web Client) The System module supports enabling **Hide Person Profile Picture** to convert pictures into unreadable modeling data and select a validity period for this settings.
4. (Web Client) Moves the functions of approval role management and approval flow management to the Person module.

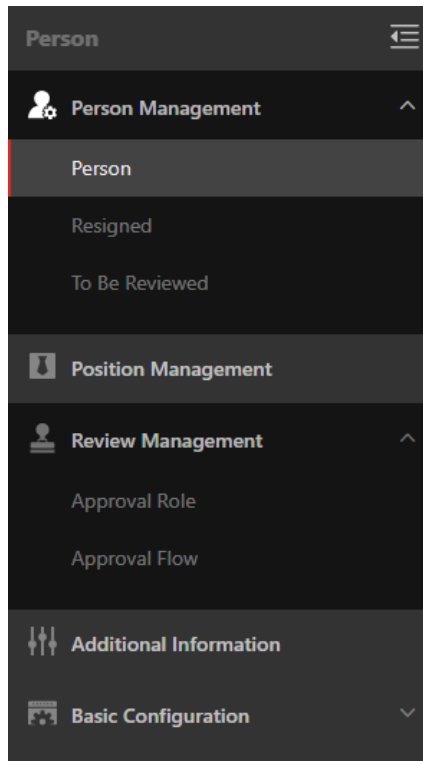


Figure 5-3 Person Module Menu

Chapter 6 [Improvement] Vehicle Management and ANPR

Updates related to vehicle management and ANPR (Automatic Number Plate Recognition) are shown below.

1. (Web Client) When customizing the vehicle information, supports setting the area to **General** or **Middle East and North Africa**.

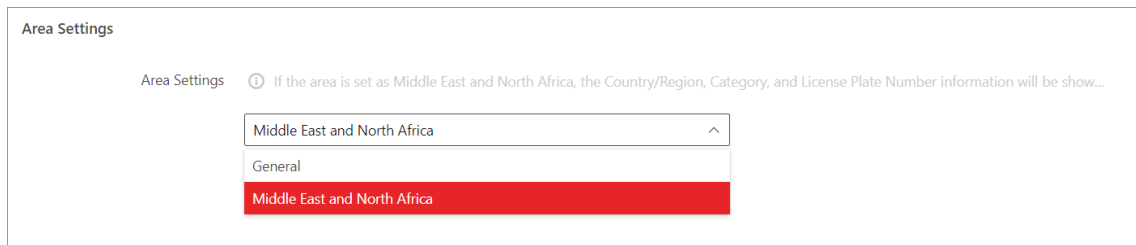


Figure 6-1 Set Vehicle Area

2. Supports configuring country or region for the vehicle information when the vehicle area is set to Middle East and North Africa.
 - (Web Client) When adding registered vehicles, supports configuring **Country/Region** and **Plate Category**.

← Add Vehicle

Vehicle Information Vehicle Owner Information Parking Lot Information

Vehicle Information

* License Plate No.

Country/Region ▾

Plate Category

Vehicle List ▾

Vehicle Type ▾

Color ▾

Brand ▾

Effective Period 📅

📘 Undercarriage Picture

Figure 6-2 Set Country/Region and Plate Category for Vehicle

- (Web Client) Adds the country/region and plate category as conditions for filtering vehicles in the list and adds these two parameters to the template file for importing registered vehicles. The added vehicles will display the corresponding information in the Country/Region and Plate Category columns of the vehicle list.

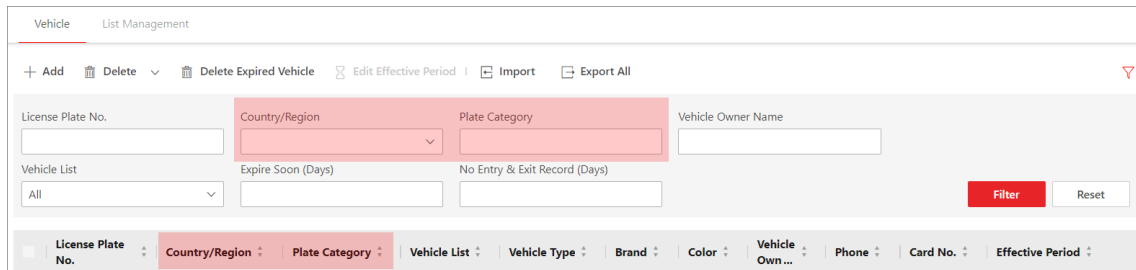


Figure 6-3 Display Country/Region and Plate Category on Filter Pane and Vehicle List

- (Web Client and Control Client) When searching for passing vehicles detected by cameras and UVSSs, supports selecting country/region and plate category as search conditions and viewing the corresponding information in search results.

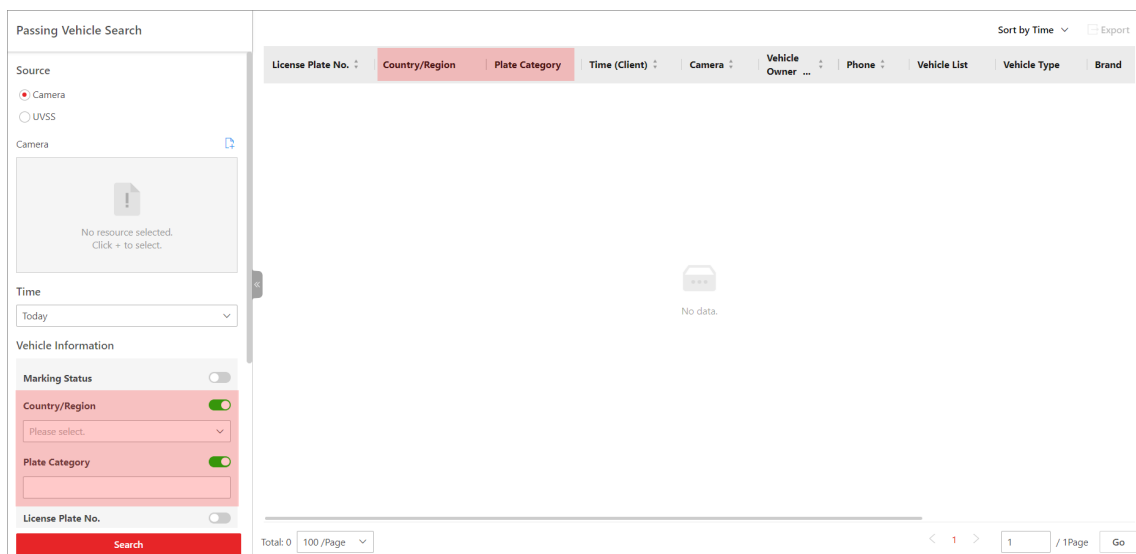


Figure 6-4 Set Country/Region and Plate Category for Passing Vehicle Search

3. (Web Client) When managing vehicle list, supports applying vehicle lists to the allowlist or blocklist.

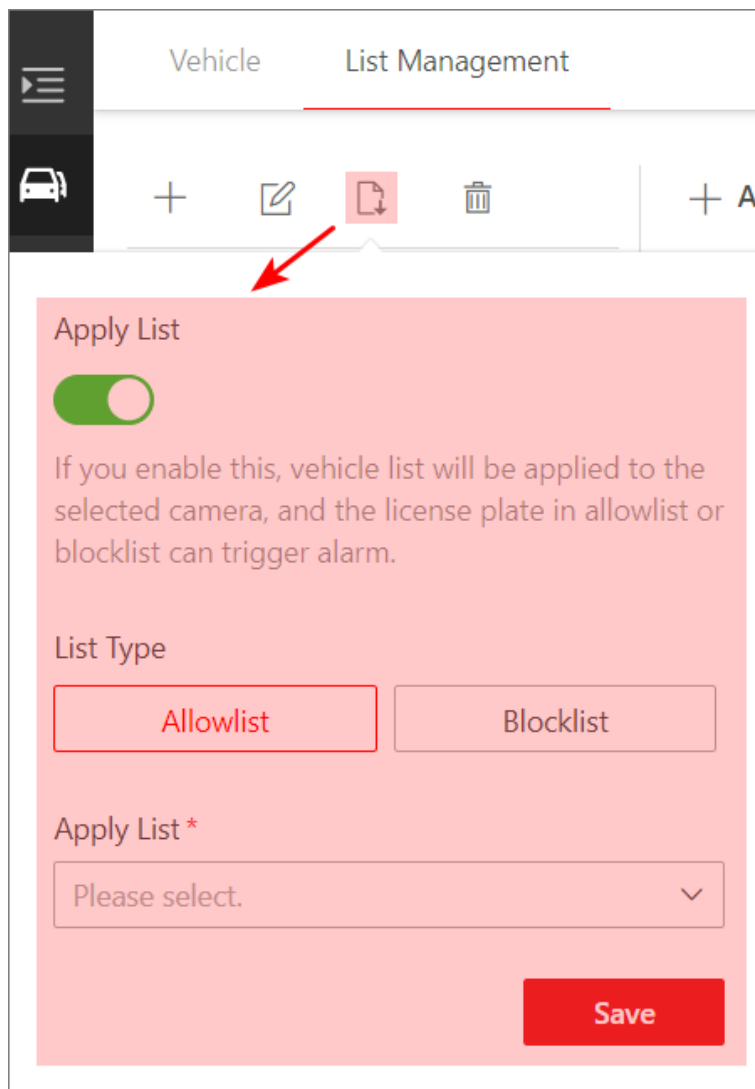


Figure 6-5 Apply Vehicle Lists

4. (Web Client and Control Client) When exporting results of searching for passing vehicles detected by cameras and UVSSs or exporting vehicle analysis reports, supports checking the task status and progress in the Download Center.

Chapter 7 [Improvement] System Configuration

Updates related to system configuration are shown below.

1. (Web Client) When setting the AD (Active Directory) domain, supports selecting **Local Active Directory** or **Azure Active Directory** as the domain type.

The screenshot shows a web form titled "Active Directory" with a "Basic Information" section. A note states: "If users have been imported by domain or the function of linking to person information has been enabled, switching domain type is not allowed. If the imported domain persons have all been deleted, and the function of linking to person information has been disabled, you can switch domain type again." Under "Domain Type", there are two radio buttons: "Local Active Directory" (unselected) and "Azure Active Directory" (selected and highlighted in red). Below this, a note says: "Azure can be used only in HTTPS. Refer to user manual to enter detailed information." The form includes several input fields: "*Tenant ID", "*Application (Client) ID", "Client Secret Key Name", and "*Secret ID" (with a copy icon). The "Auto Sync Time" section has a dropdown menu set to "02:00". The "Person Information" section is partially visible at the bottom. A red "Save" button is located at the bottom center of the form.

Figure 7-1 Select Azure Active Directory as Domain Type

2. (Web Client) When setting the Hik-Partner Pro access, supports selecting sites to be accessed by installers and viewing the names of accessed sites.

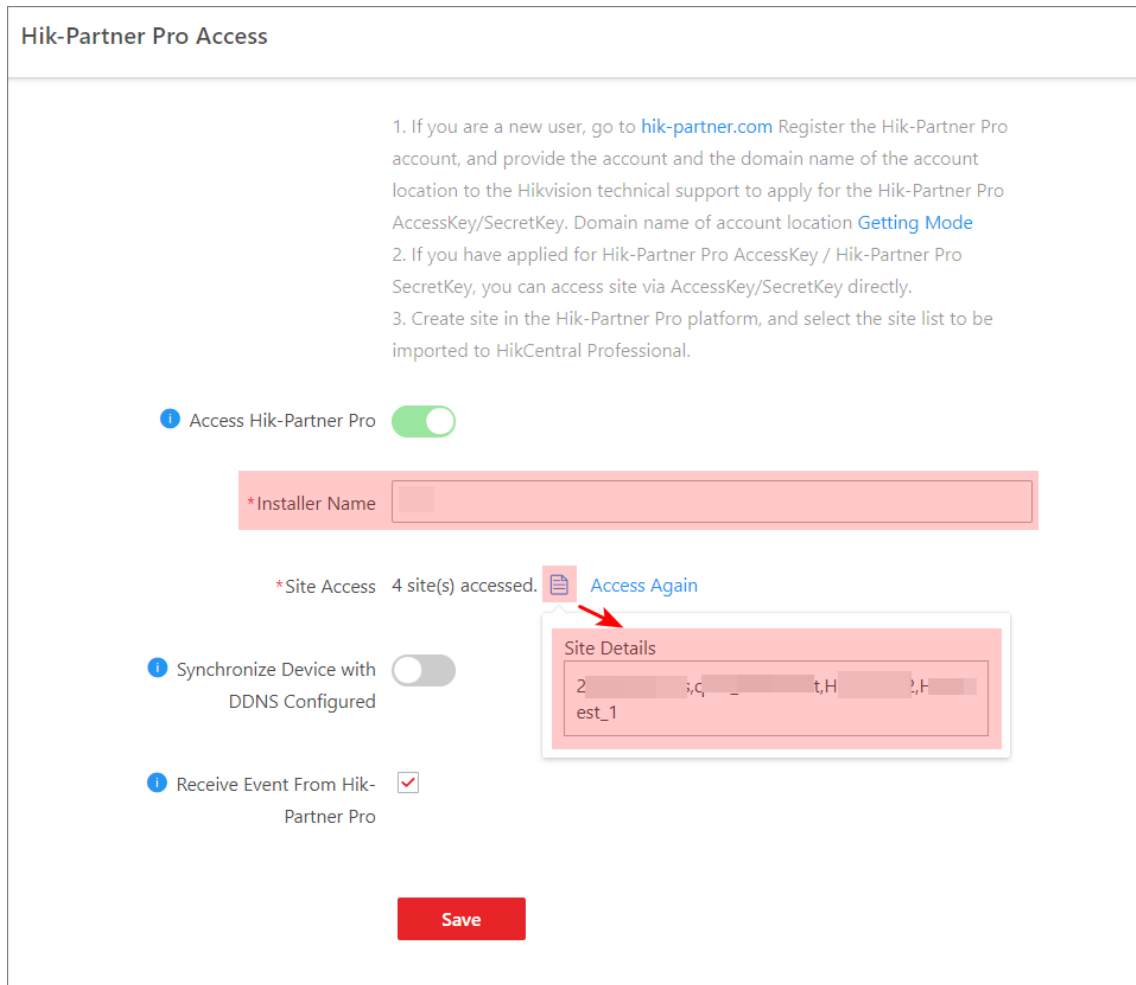


Figure 7-2 Select Hik-Partner Pro Sites by Installer and View Site Details

3. (Web Client) Moves the entries of registering remote site to the central system and allowing for remote site registration from the Video module to the System module.
4. (Web Client) Supports configuring email templates for sending the notification of pending tasks generated during health check.

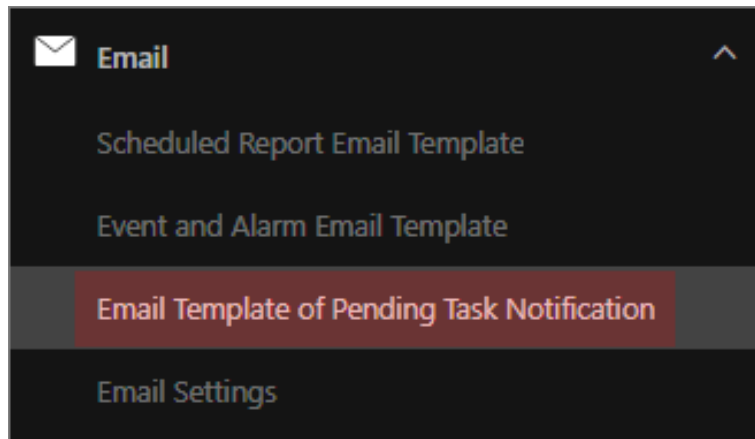


Figure 7-3 Set Email Template of Pending Task

5. (Web Client) When setting the email account, if the Google email is used, it is required to log in to the email system via the Google account to enable the verification function and generate a password.
6. (Web Client) When exporting profile pictures, supports saving the unreadable modeling data of profile pictures only, so that the real profile pictures will not be displayed on the platform.

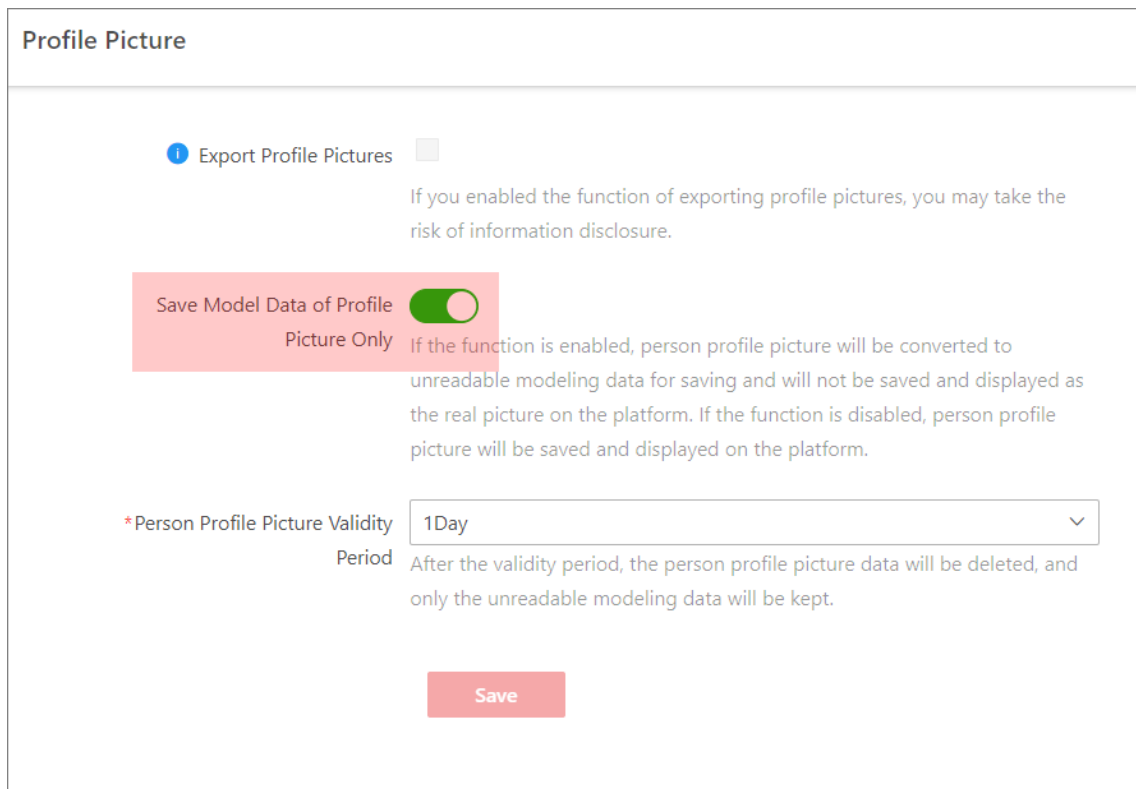


Figure 7-4 Save Modeling Data of Profile Picture Only

7. (Web Client) Supports enabling auto update to allow the clients to be updated automatically if there is a new version available. By default, this function is disabled.

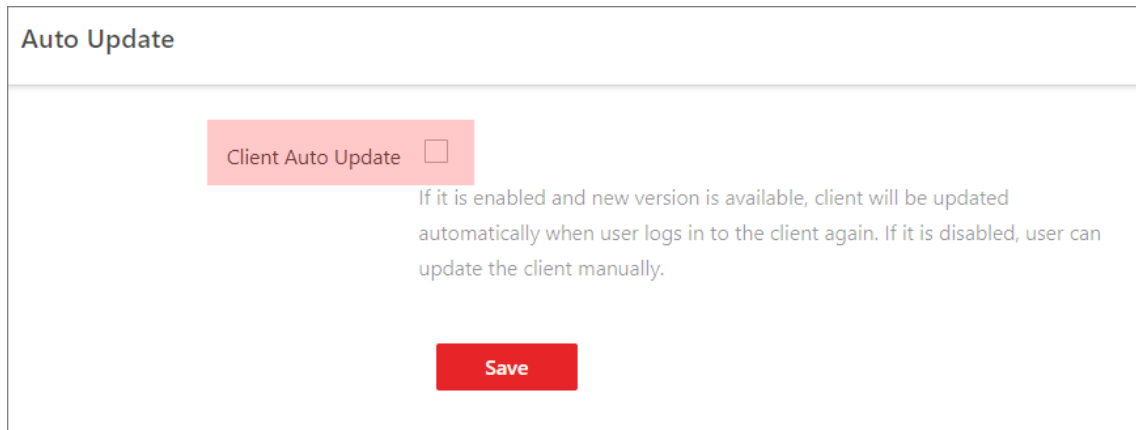


Figure 7-5 Enable Client Auto Update

8. (Web Client) Supports receiving and displaying SIA events from the third-party devices on the platform.

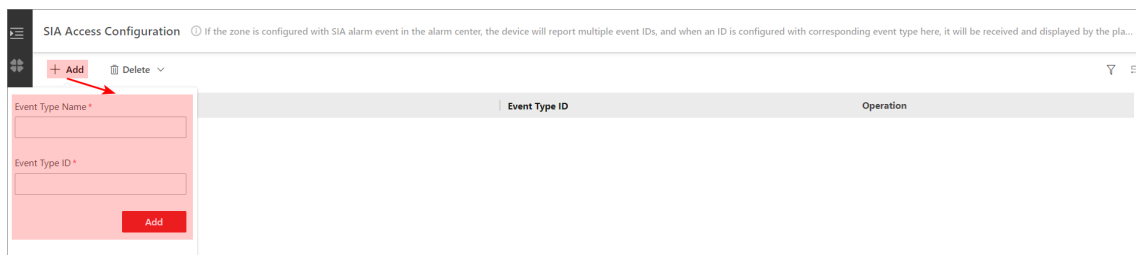


Figure 7-6 Add SIA Events for Receiving

9. (Web Client) When interchanging the third-party data, supports quickly diagnosing the settings, exporting the failed data for checking, and pushing the data for test.

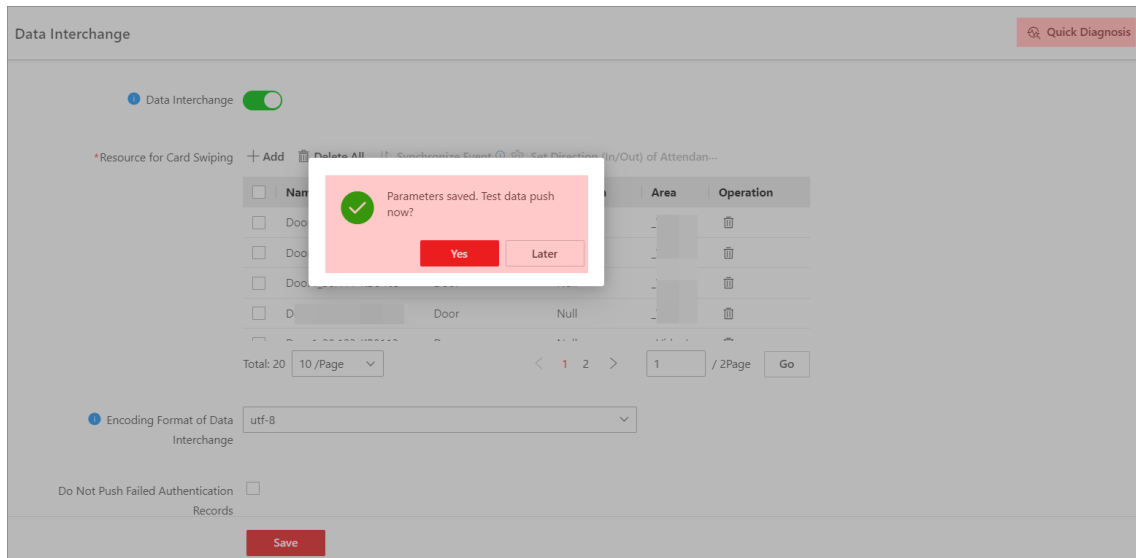


Figure 7-7 Quick Diagnose and Push Test Data

10. (Web Client) Supports generating different types of logs, uploading logs for debugging, and downloading the event tracking information. Deletes the remote diagnose function.

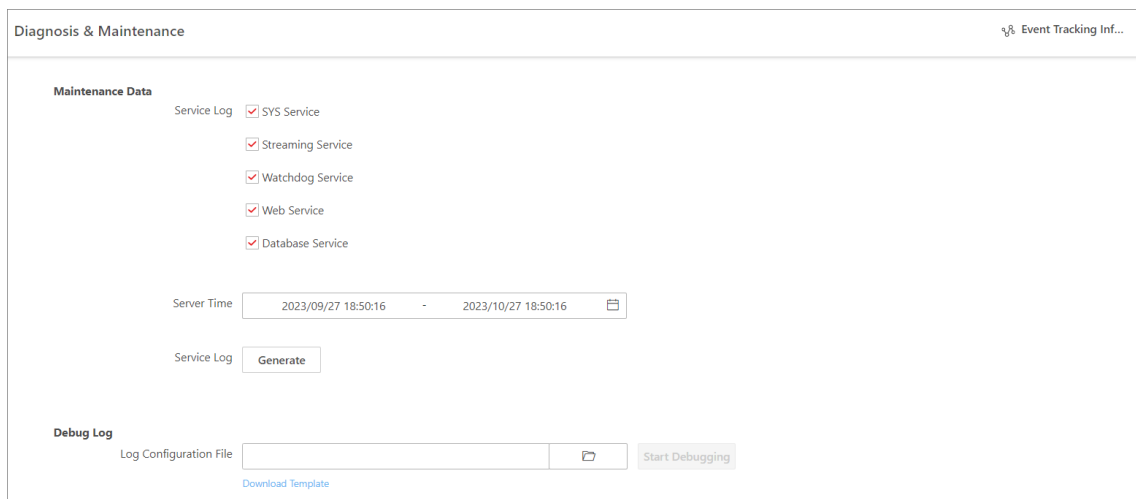


Figure 7-8 Diagnose and Maintenance Page

11. (Web Client) Supports creating and managing workbenches.

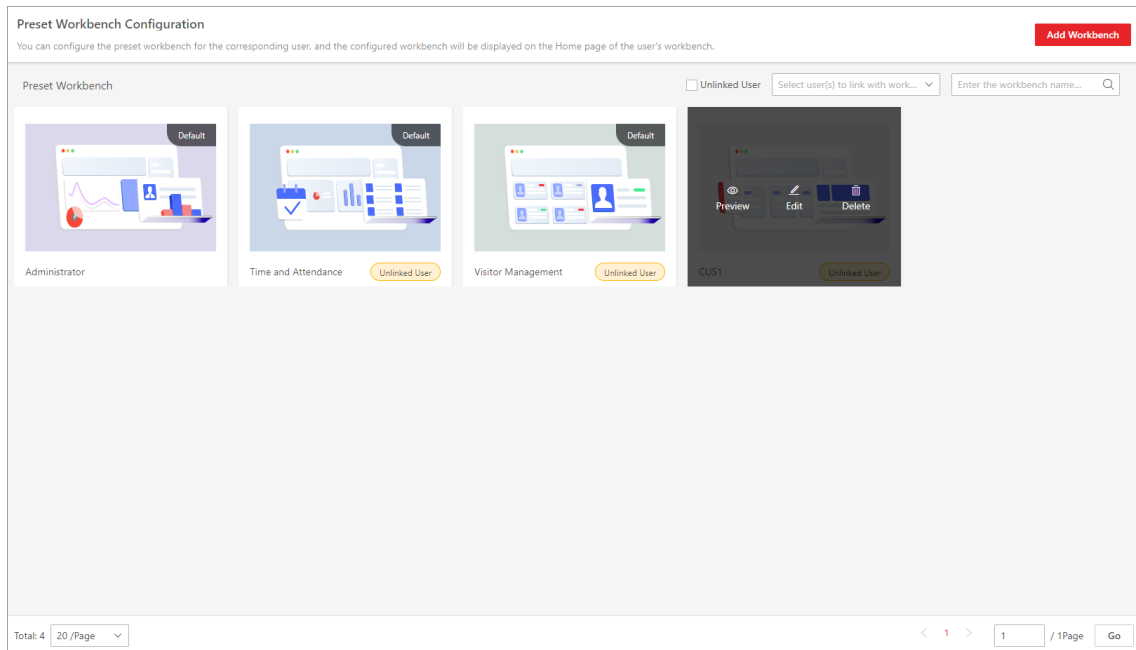


Figure 7-9 Configure Preset Workbenches

12. (Control Client) Moves the image configuration item from the video configuration to the smart wall configuration.

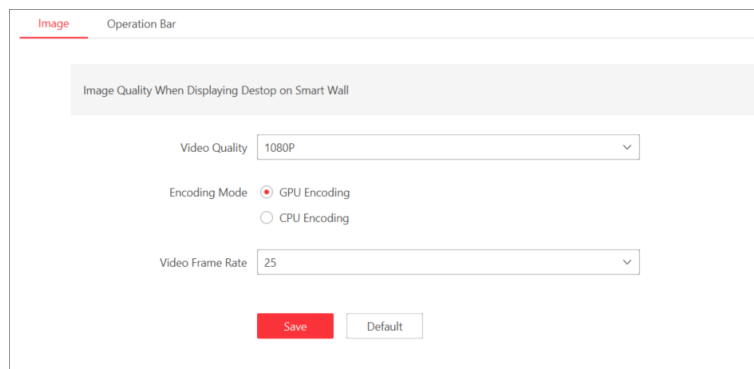


Figure 7-10 Image Settings of Smart Wall

13. (Control Client) Supports setting auto-refresh frequency for the digital control panel.

Report Refresh Frequency in Digital Control Panel

Automatic Refresh

Auto-Refresh Interval

Figure 7-11 Set Auto-Refresh frequency for Digital Control Panel

Chapter 8 [Improvement] Maintenance

Updates related to maintenance are shown below.

1. (Web Client and Control Client) Adds the health check function, including the manual check, scheduled health check configuration, and pending task management.

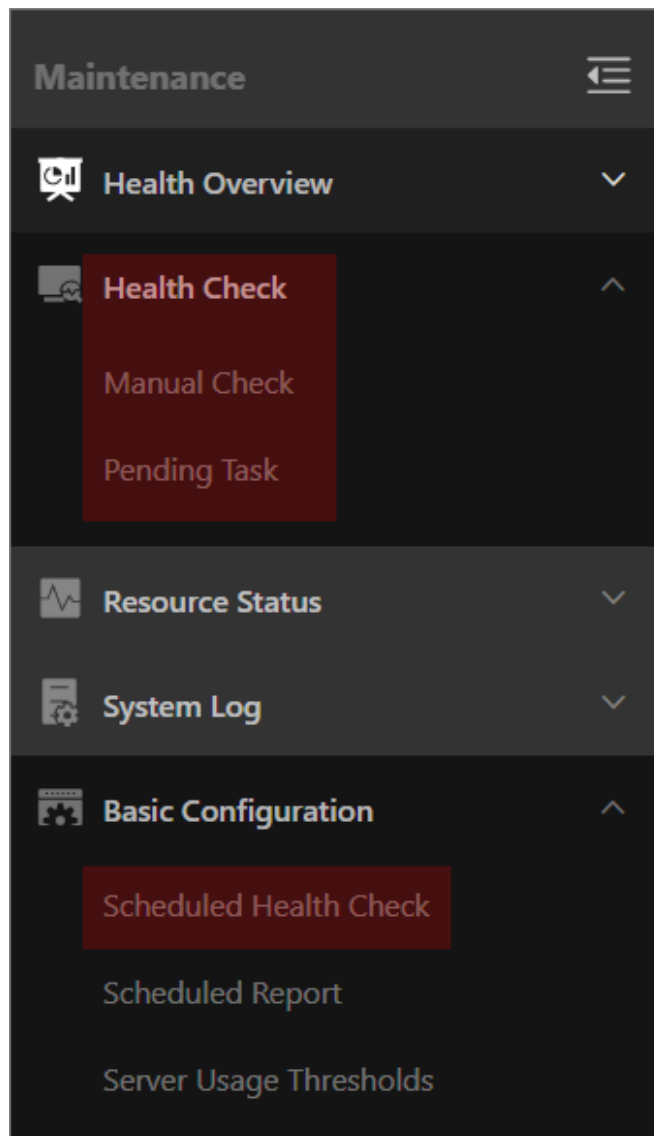


Figure 8-1 Entries of Health Check Function

- a. Supports manually start health check to quickly scan the platform for potential risks and configure check items for different check types.

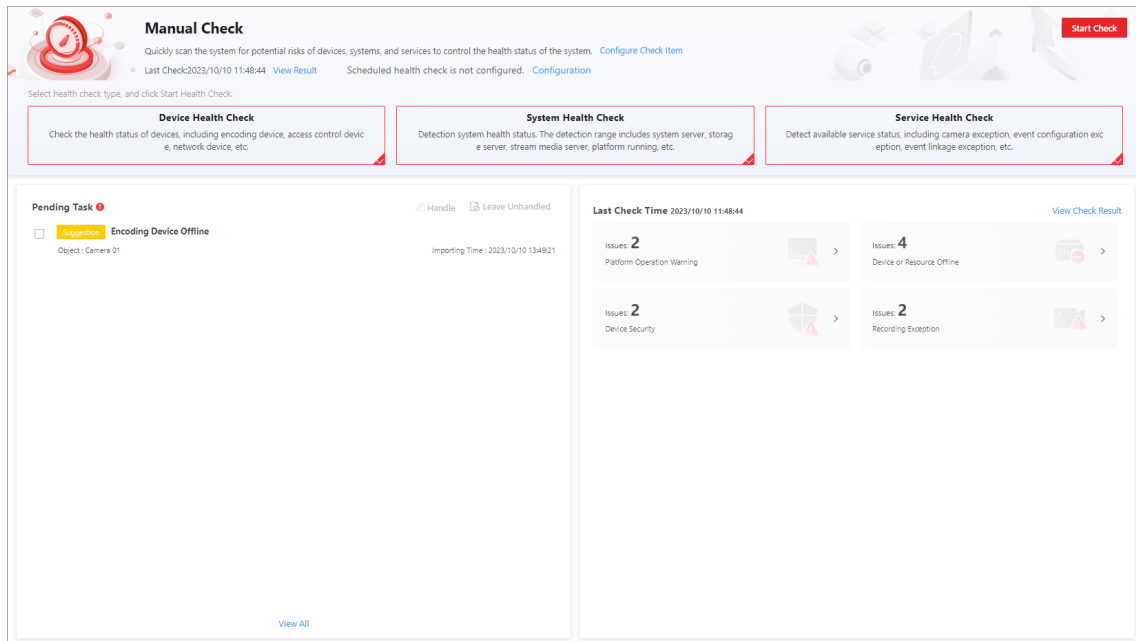


Figure 8-2 Manual Check Page

- b. Supports handling, ignoring, deleting, and exporting pending tasks, adding custom pending tasks, and batch setting notifications after conducting the health check for devices, services.
 - c. Supports configuring scheduled health check to proactively detect and address potential problems.
2. (Web Client and Control Client) Updates on the real-time health monitoring overview page.

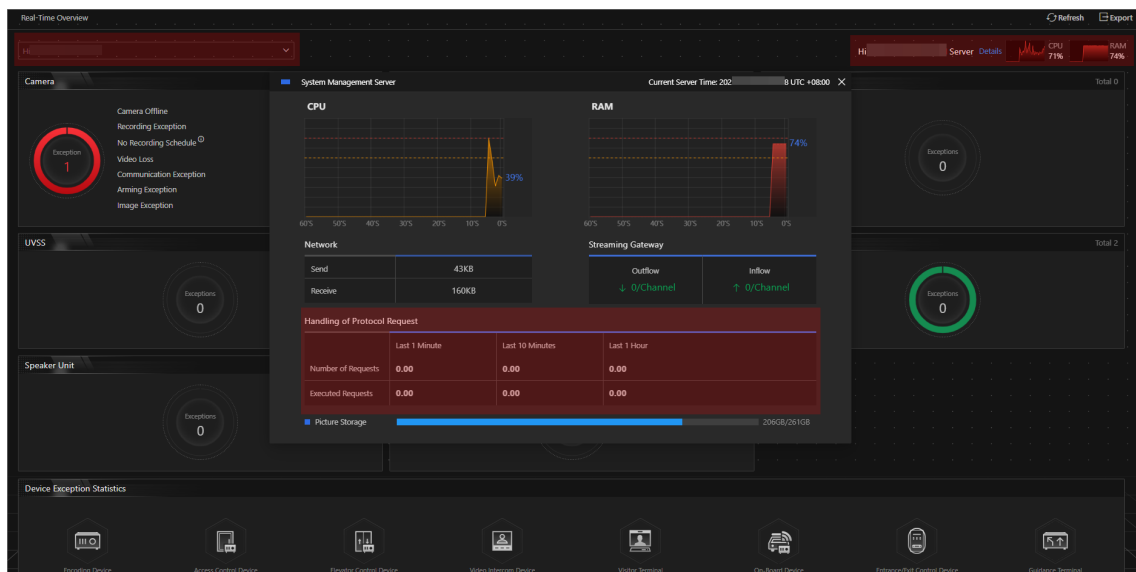


Figure 8-3 Updates on Real-Time Overview Page

- a. Supports displaying the real-time health status of resources by sites.
 - b. Optimizes the user interface of the overview page.
 - c. Supports displaying the handling status of protocol request and the current server time on the status details pane of System Management Server.
3. (Web Client and Control Client) Adds a prompt about the calculation formula of recording integrity rate on the historical health data overview page.

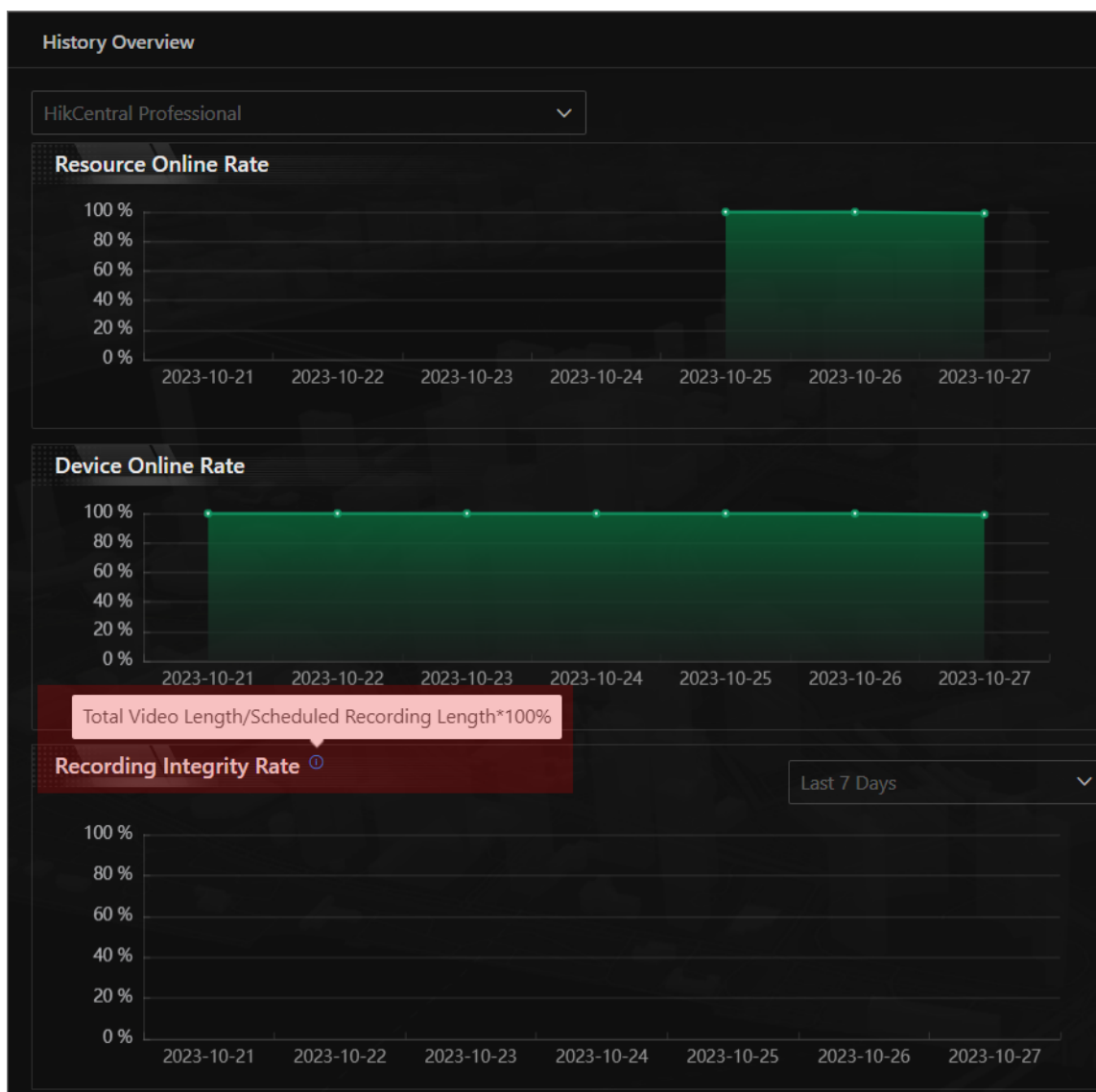


Figure 8-4 Calculation Formula of Recording Integrity Rate

4. (Web Client and Control Client) Updates related to the resource status.
- a. Supports classifying the recording settings, recording status, and recording exceptions by the central system and remote sites on the details page of camera status.
 - b. Supports viewing the status of doors, elevators, access control devices, elevator control devices, and video intercom devices on remote sites.

- c. Supports ignoring the status of RS-485 card readers on the door status page.
 - d. Supports viewing the status of portable devices including the network status, disk status, recording status, mobile network signal strength, etc. Supports going to the configuration page of the device and viewing device online/offline logs.
 - e. Supports viewing the exception information about the picture storage and disk of encoding devices.
 - f. Supports waking up a solar-powered camera in the sleep mode and viewing its power status at the top for the first time entering the page.
 - g. Supports viewing the mobile signal strength of the on-board device.
5. (Web Client and Control Client) Supports searching for maintenance logs.

The screenshot displays the HikCentral Professional interface. On the left, a dark sidebar contains a 'Maintenance' menu with several options: Health Overview, Health Check, Resource Status, System Log (expanded to show Server Log, Device Log, and Resource Log), Maintenance Log (highlighted in red), and Basic Configuration. A red arrow points from the 'Maintenance Log' menu item to the search form on the right. The search form, titled 'Maintenance Log', contains the following fields: 'Pending Task Name' (text input), 'Object' (text input), 'Level' (dropdown menu set to 'All'), 'Handler' (a search bar and a list of users with checkboxes: User, admin, mxb, fxm), 'Handling Time' (dropdown menu set to 'Today'), and 'Handling Status' (dropdown menu set to 'All'). A prominent red 'Search' button is located at the bottom of the form.

Figure 8-5 Search for Maintenance Logs

6. (Web Client and Control Client) Supports searching for online or offline logs of all types of devices.
7. (Web Client and Control Client) Optimizes the user interface of selecting a source for sever log search.

Server Log

Site
RSM99HikCentral Professional

Event
Search

✓ All
 ✓ Error
 ✓ Arming Failed
 ✓ Ignoring Alarm Failed

Source
 User
 System Management Server
 Person

Search

✓ All
 ✓
 ✓
 ✓

Resource Name
[Text Input Field]

Search

Figure 8-6 Server Log Search Pane

8. (Web Client) Supports sending server log reports and maintenance log reports regularly. When setting scheduled reports, supports selecting a language for the report content.

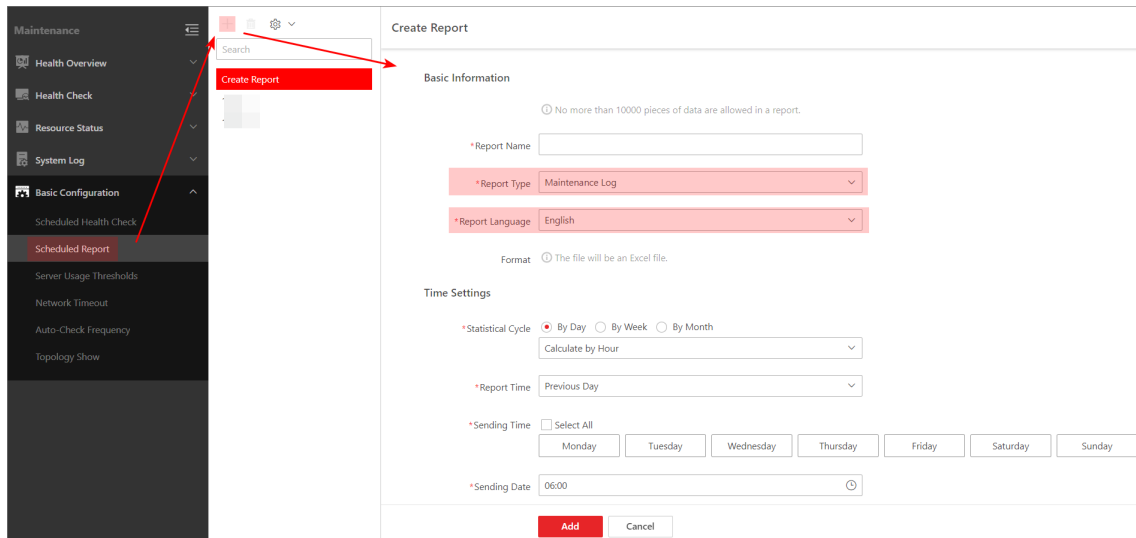


Figure 8-7 Set Scheduled Report for Server Logs or Maintenance Logs

9. (Web Client) When backing up the system data, supports selecting data types and viewing the progress.

Back Up Restore

Type

- ▼ All
 - ▼ System Data
 - Configured Data ⓘ
 - Configured Pictures ⓘ
 - Received Events
 - Received Alarms
 - Maintenance Data ⓘ
 - Face Picture
 - Call Log
 - ▼ Video Data
 - Video Analysis Data
 - Face Comparison Data
 - Temperature Screening Data
 - ▼ Access Control
 - Card Swiping Records
 - Attendance Records
 - Visitor Data
 - Device Recorded Data ⓘ
 - Visitor Reservation Records
 - Video Intercom Data
 - Third-Party Attendance Data
 - Emergency Mustering Data

Save **Save and Back Up Now** Close

Figure 8-8 Select Data Type to Be Backed Up

10. (Web Client) Adds a prompt about the system data restoring to the corresponding page.

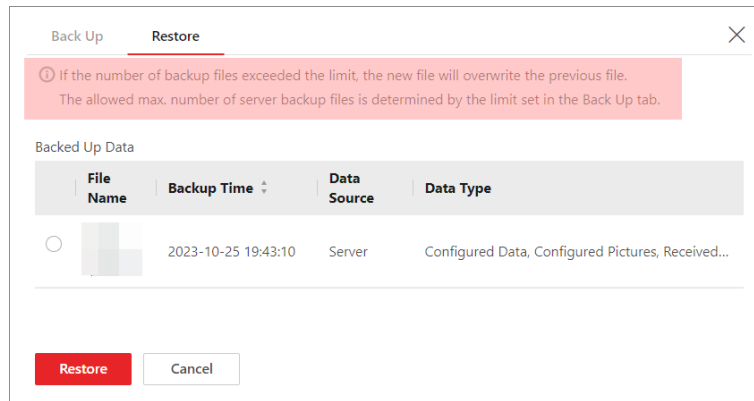


Figure 8-9 Prompt on System Data Restoring Page

11. (Web Client) Supports exporting the configuration data of all types of devices. If password protection is enabled, only the configuration data of encoding devices can be exported, and a password should be set for viewing data.

Export Configuration Data ✕

Password Protection

Content

<input type="checkbox"/> Data Type	Content
<input type="checkbox"/> Remote Site	1.Alias; 2.Site Address; 3.Site Port
<input type="checkbox"/> Encoding Device	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Available Camera; 6.Available Alarm Inputs; 7.Available Alarm Outputs; 8.Firmware Version
<input type="checkbox"/> Video	1.Area_Camera; 2.Recording Settings
<input type="checkbox"/> Access Control Device	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Firmware Version
<input type="checkbox"/> Video Intercom Device	1.Device Name; 2.Device Address; 3.Device Type; 4.Device Port; 5.Serial No.; 6.Firmware Version
<input type="checkbox"/> Security Control Panel	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Firmware Version
<input type="checkbox"/> Dock Station	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.
<input type="checkbox"/> Network Transmission Device	1.Device Name; 2.Device Address; 3.Device Type; 4.Device Port; 5.Model; 6.Serial No.; 7.Firmware Version
<input type="checkbox"/> Digital Signage Terminal	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Firmware Version
<input type="checkbox"/> Interactive Flat Panel	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Firmware Version
<input type="checkbox"/> Portable Device	1.Device Name; 2.Device Address; 3.Serial No.; 4.Firmware Version
<input type="checkbox"/> On-Board Device	1.Device Name; 2.Device Address; 3.Device Port; 4.Serial No.; 5.Firmware Version

Figure 8-10 Export Configuration Data of All Types of Devices

Export Configuration Data ✕

Password Protection

Content

Data Type	Content
Encoding Device	1.Alias; 2.Adding Mode; 3.Device Address; 4.Device Port; 5.Serial No.; 6.User Name; 7.Password; 8.Available Camera; 9.Available Alarm Inputs; 10.Available Alarm Outputs; 11.Firmware Version

Create Password *

Confirm Password *

ⓘ If you export a file with a password, you will need to enter it correctly when you open the file.

Export Cancel

Figure 8-11 Enable Password Protection

Chapter 9 [Improvement] Video Management

Updates related to video management are shown below.



For video devices managed on Hik-Partner Pro, a license is required to get video services.

Video Plugin for Web Client

1. (Web Client) Supports video features with and without plugin. However, some functions are only available when there is a plugin. For example, view management, remote sites display on the resource tree, audio recording, dragging cameras to adjust the order of multiple windows, window divisions other than 1, 4, 9, and 16 during live view and playback, and viewing an alarm in a camera window reporting the alarm.
2. (Web Client) Optimizes video module performance without the plugin.
 - a. Supports up to 16 channels (only 1 channel for previous versions) simultaneously without the plugin.
 - b. Supports panorama tracking without the plugin.
 - c. Supports the video intercom without the plugin.
 - d. Supports playing on-board videos without the plugin.
 - e. Supports viewing the videos in windows in other modules including map, access control, maintenance, and resource.
 - f. On the Remote Configuration pages of encoding devices, supports live view without the plugin.

Basic Video

1. (Web Client and Control Client) For the video search features, supports half-interval search to find a target in a recorded video.
2. For VCA search, supports half-interval search to find a target in a recorded video.

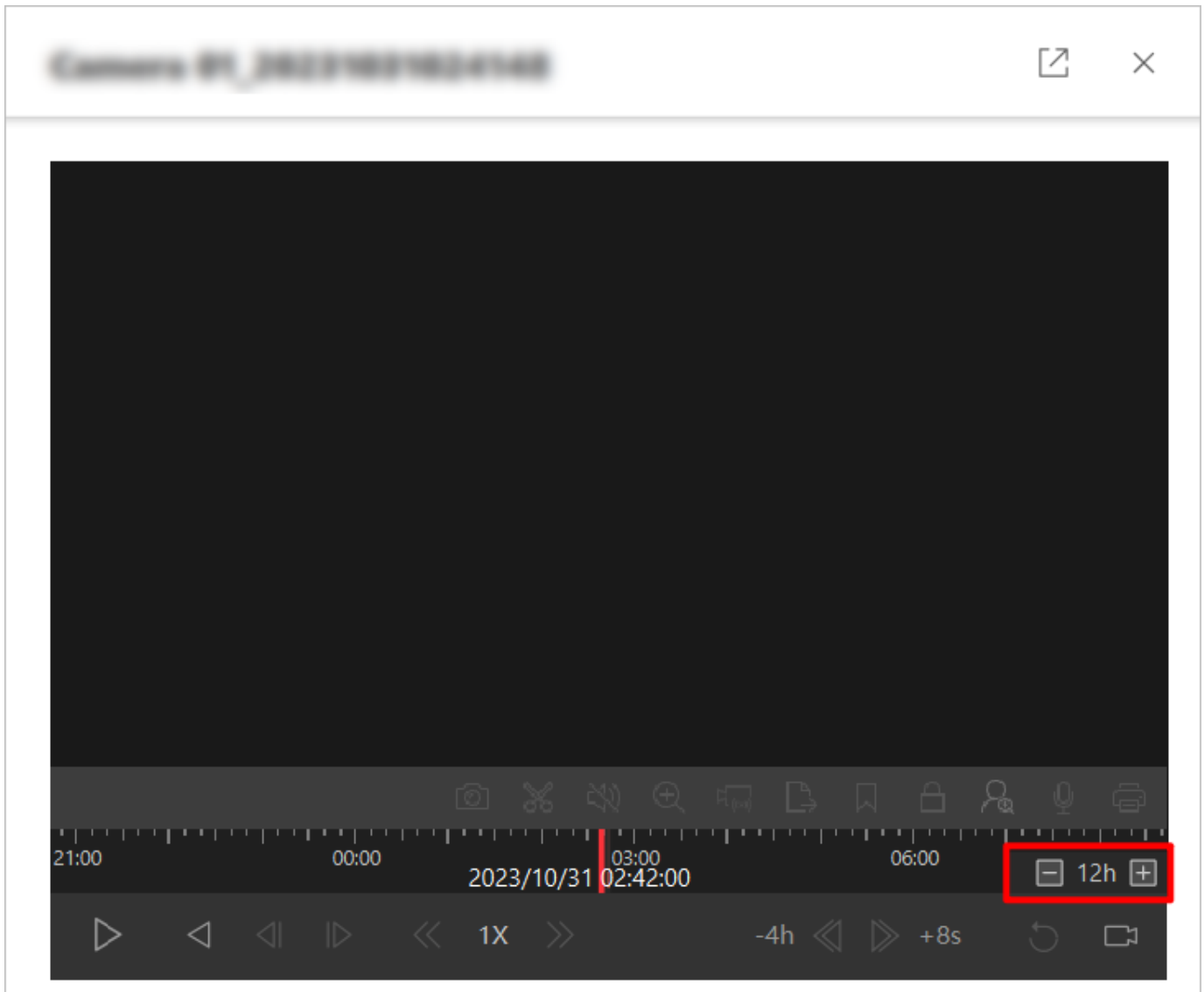


Figure 9-1 Half-interval Search

3. (Web Client and Control Client) Supports selecting multiple areas or channels using the Control and Shift keys in combination with the mouse.
4. (Web Client and Control Client) In the system configuration of the video module, the default window scale is set to 16:9.

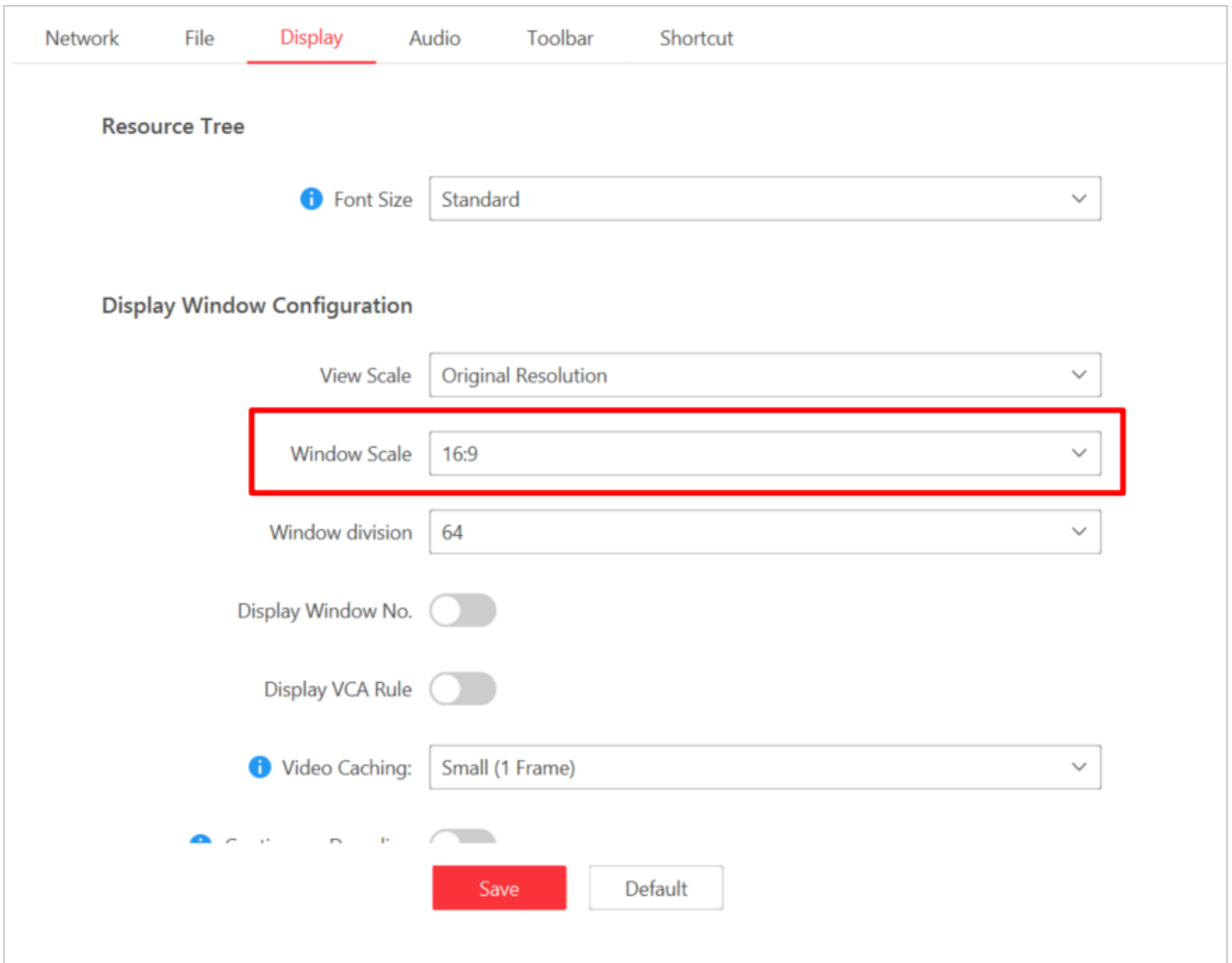


Figure 9-2 Default Window Scale

5. Supports third stream playback.
6. (Web Client) Removes the remote site management sub-module from the video module.
7. When you switch to playback from live view, the playback will start 1.5 minutes before the end of the file by default.

Dahua Devices

Supports new features of Dahua devices.

1. (Web Client and Control Client) On the Maintenance page, supports viewing disk status, HDD usage, video signal, and recording status.
2. (Web Client and Control Client) Supports viewing the recording integrity rate.

3. Supports alarms including recording exception, intrusion, line crossing, region entrance, region exiting.
4. Supports NTP time synchronization.
5. Supports applying devices names to devices and getting names from devices to the platform.
6. For NVRs linked with Dahua devices, supports viewing object classification and confidence information when performing live view and playback, and viewing downloaded videos of NVR channels.

Solar-Powered Camera

1. Supports adding solar-powered cameras as channels of NVRs to the platform. Supports live view and playback of the solar-powered cameras.
2. Supports solar-powered ANPR cameras. Supports applying ANPR lists to devices.

Chapter 10 [Improvement] Map Management

Updates related to map management are shown below.

1. (Web Client) Optimizes the icons on maps.
 - a. Supports customizing door status icons. The door statuses are unknown, unlocked, locked, remain unlocked, and remain locked.
 - b. Supports customizing detection area colors for cameras.

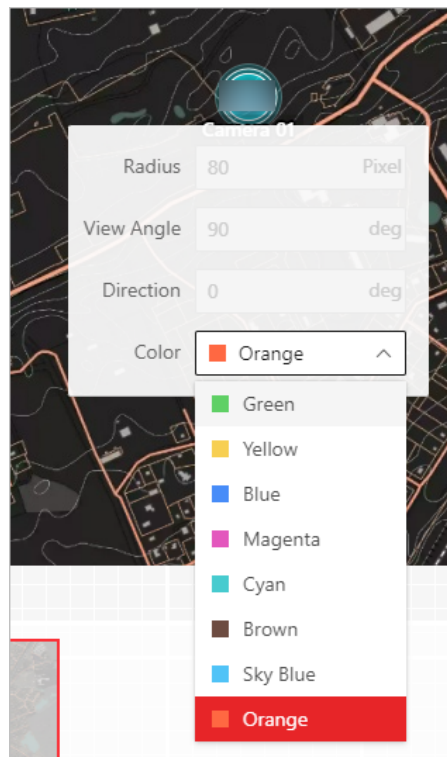


Figure 10-1 Customize Camera Detection Area Color

- c. Supports customizing the partition colors.

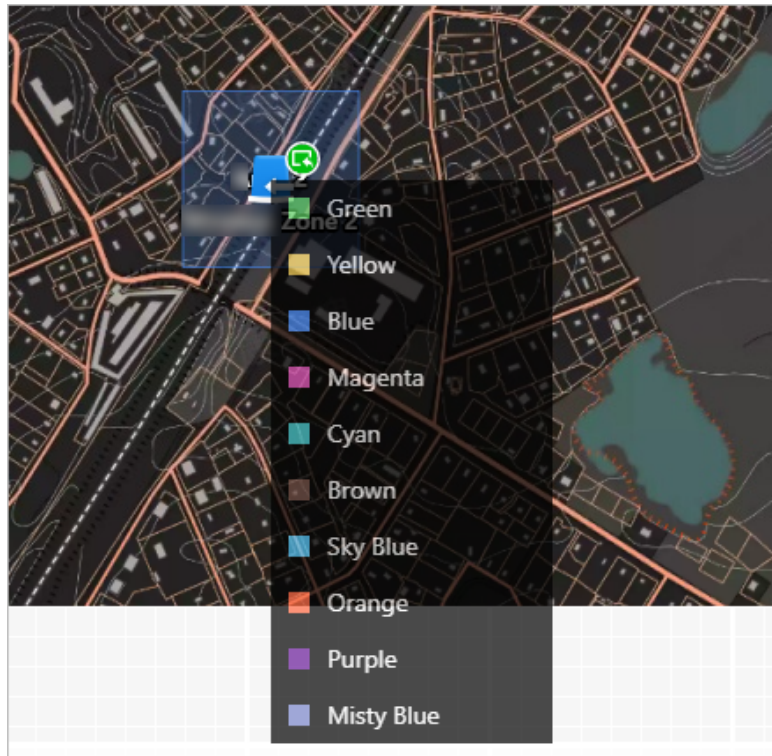


Figure 10-2 Customize Partition Color

2. Optimizes the map list.

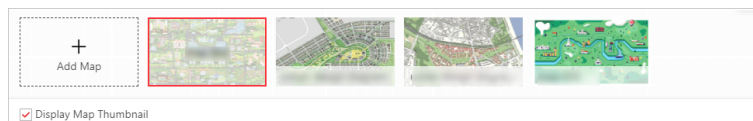


Figure 10-3 Map List

Chapter 11 [Improvement] AR Monitoring

Updates related to video management are shown below.

- Supports DS-2DF8425IXG-ELW/VR series VR speed domes (V4.63 or later).
- Supports linking the speed domes with M series NVRs and generating panoramic images.

Chapter 12 [Improvement] Event and Alarm

Updates related to the Event and Alarm module are shown below.

1. Supports ignoring alarms triggered by devices going offline/online when you refresh device status.
2. Supports batch selecting all alarms to acknowledge all of them on the Control Client.

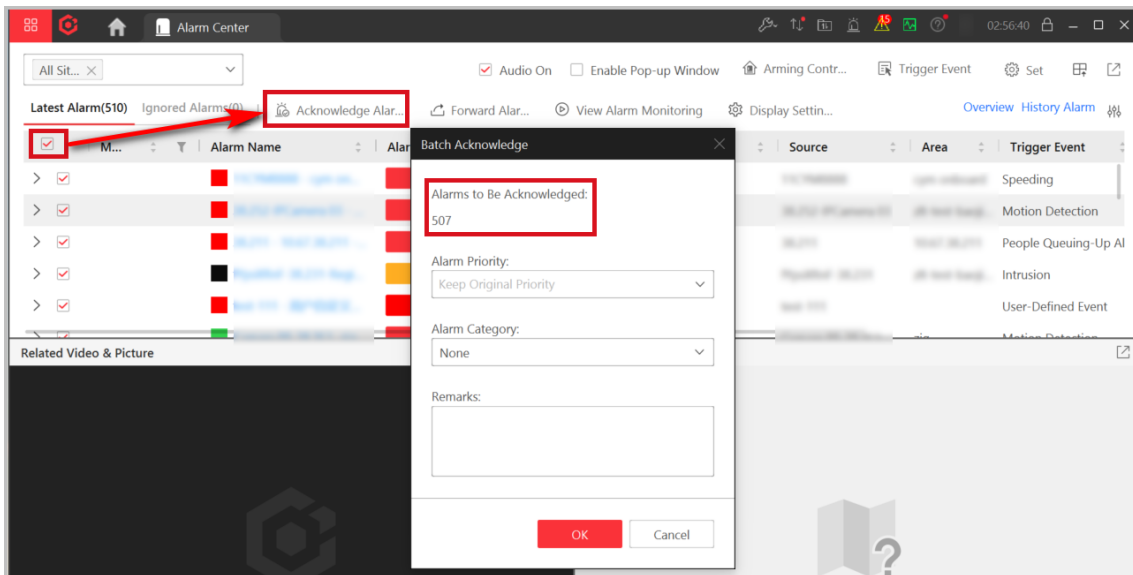


Figure 12-1 Batch Acknowledge All Alarms

3. Adds a new type of event related to video: On/Off Duty Detection.

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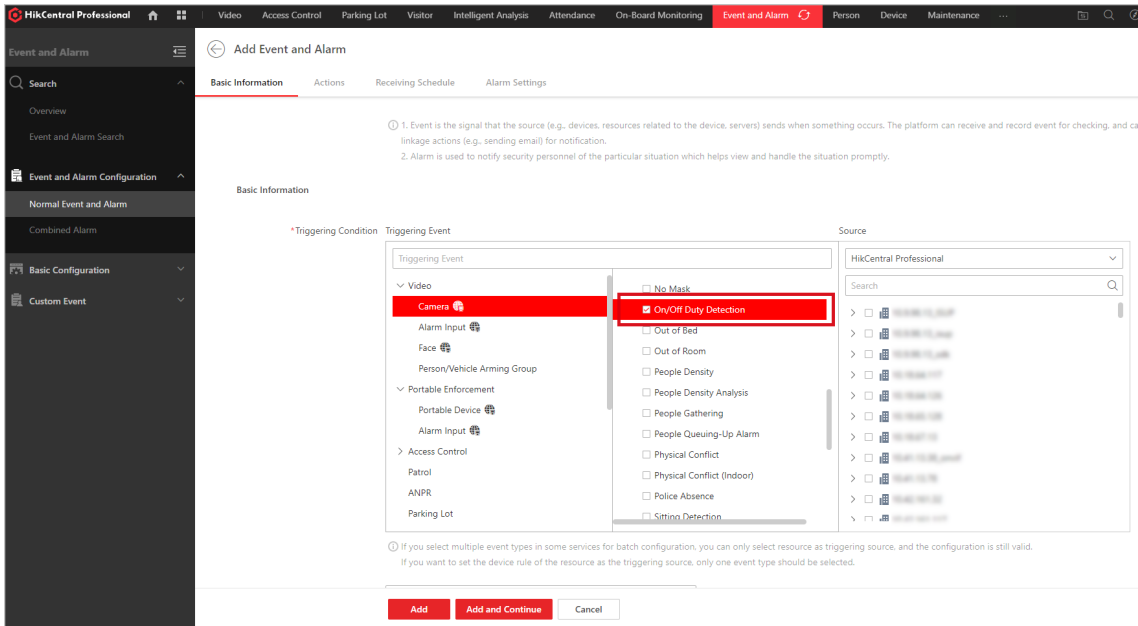


Figure 12-2 On/Off Duty Detection

4. On the Add Event and Alarm page, adds two alarm types related with portable enforcement: Use Device Before File Copied Back and Use Device Before Full Charging.

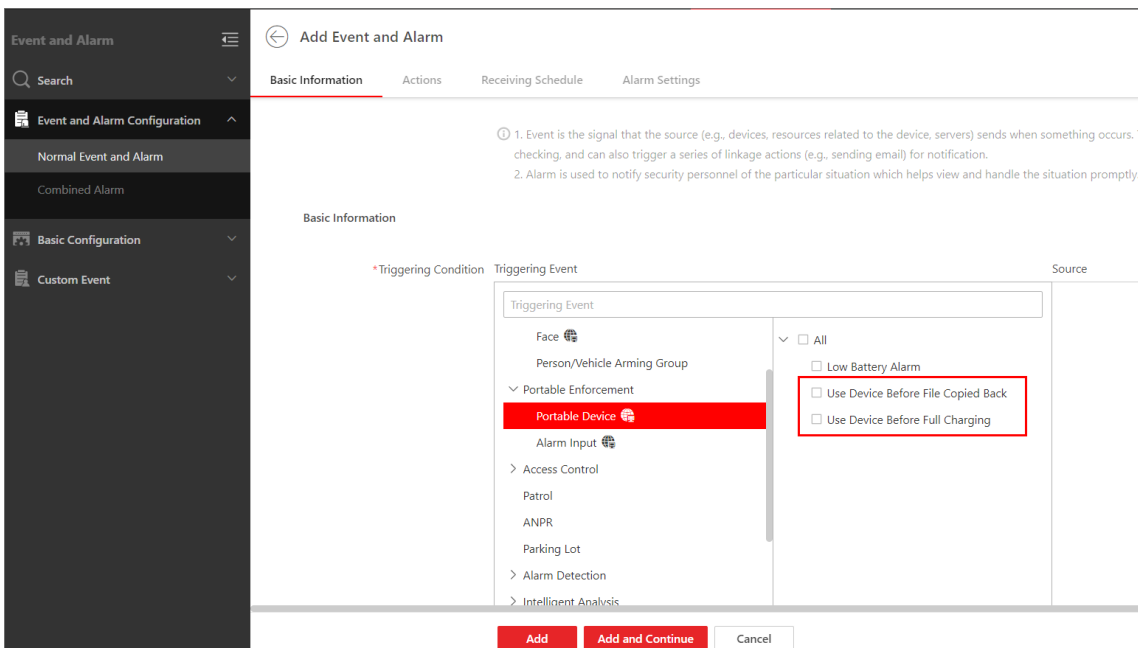


Figure 12-3 Alarms Related with Portable Enforcement

5. Expand the data capacity of a scheduled report from 10,000 to 100,000 pieces of data, and supports selecting alarm rules or areas as the statistical objects in the report.

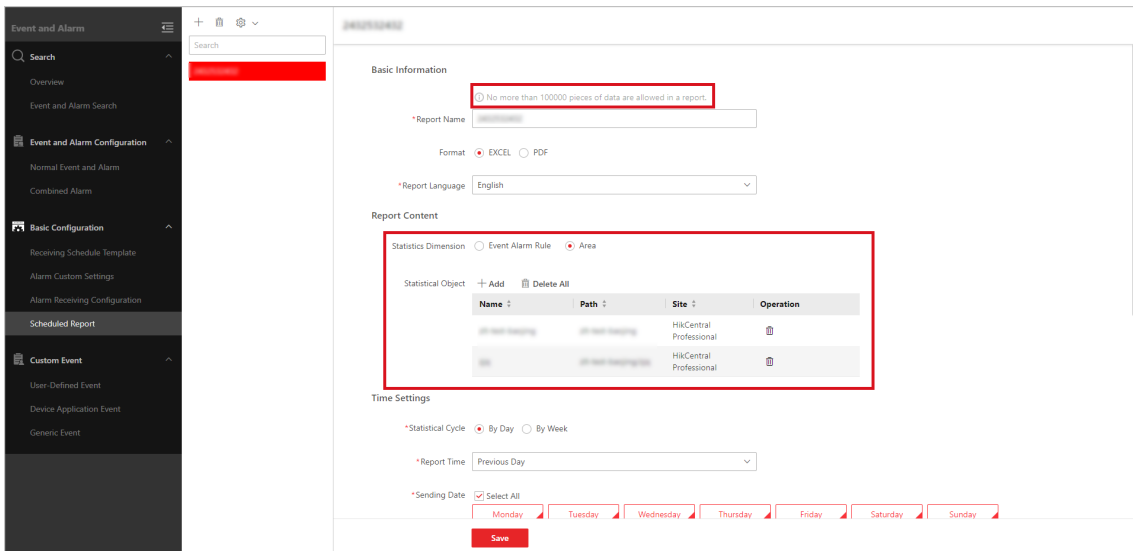


Figure 12-4 Scheduled Report

- Supports visual tracking when playing the video related to an alarm, if visual tracking is configured for the linked camera.

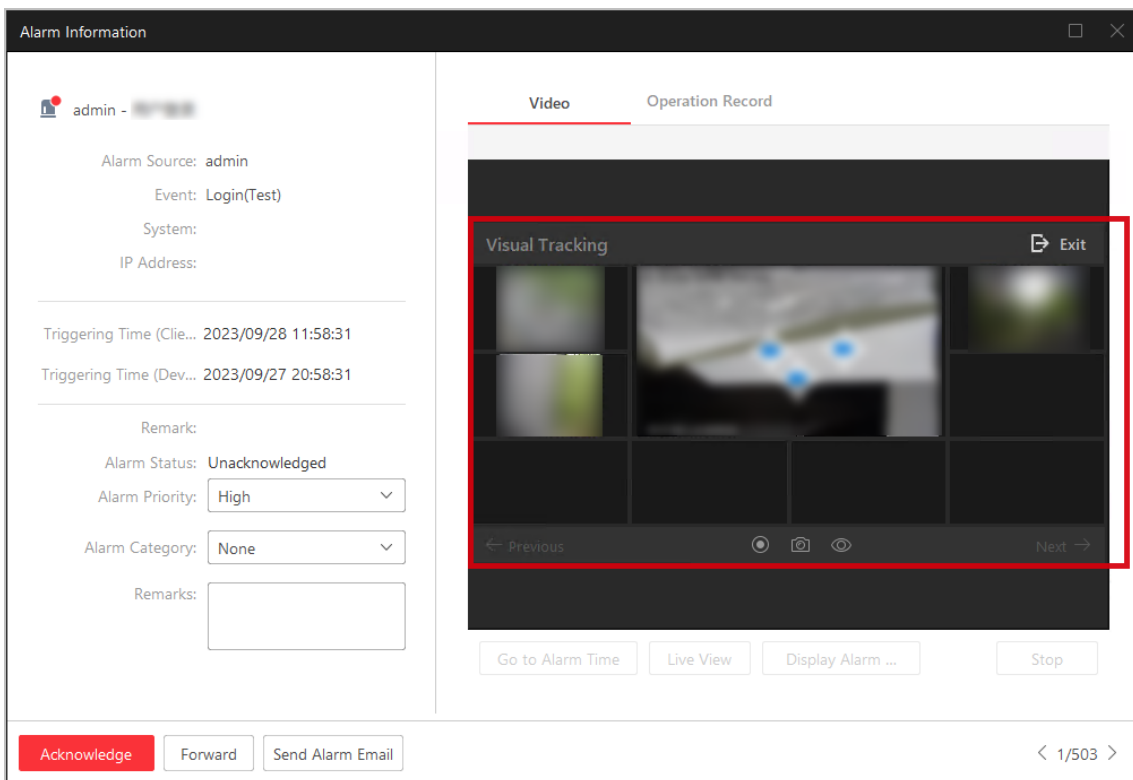


Figure 12-5 Visual Tracking

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- 7. Supports linking alarm partitions (areas) so that you can arm/disarm the partitions (areas) when alarms are triggered.

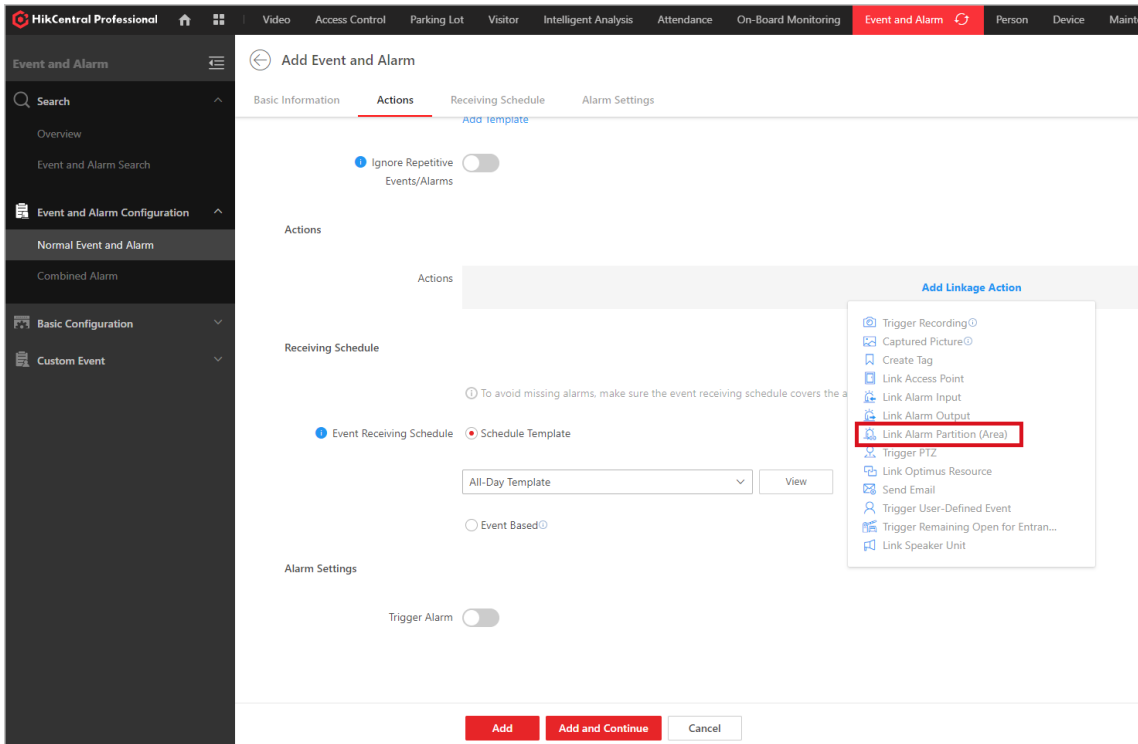


Figure 12-6 Link Alarm Partition (Area)

- 8. Supports selecting **Keep Original Priority** or **Reset Alarm Priority** when you batch acknowledge and forward alarms.

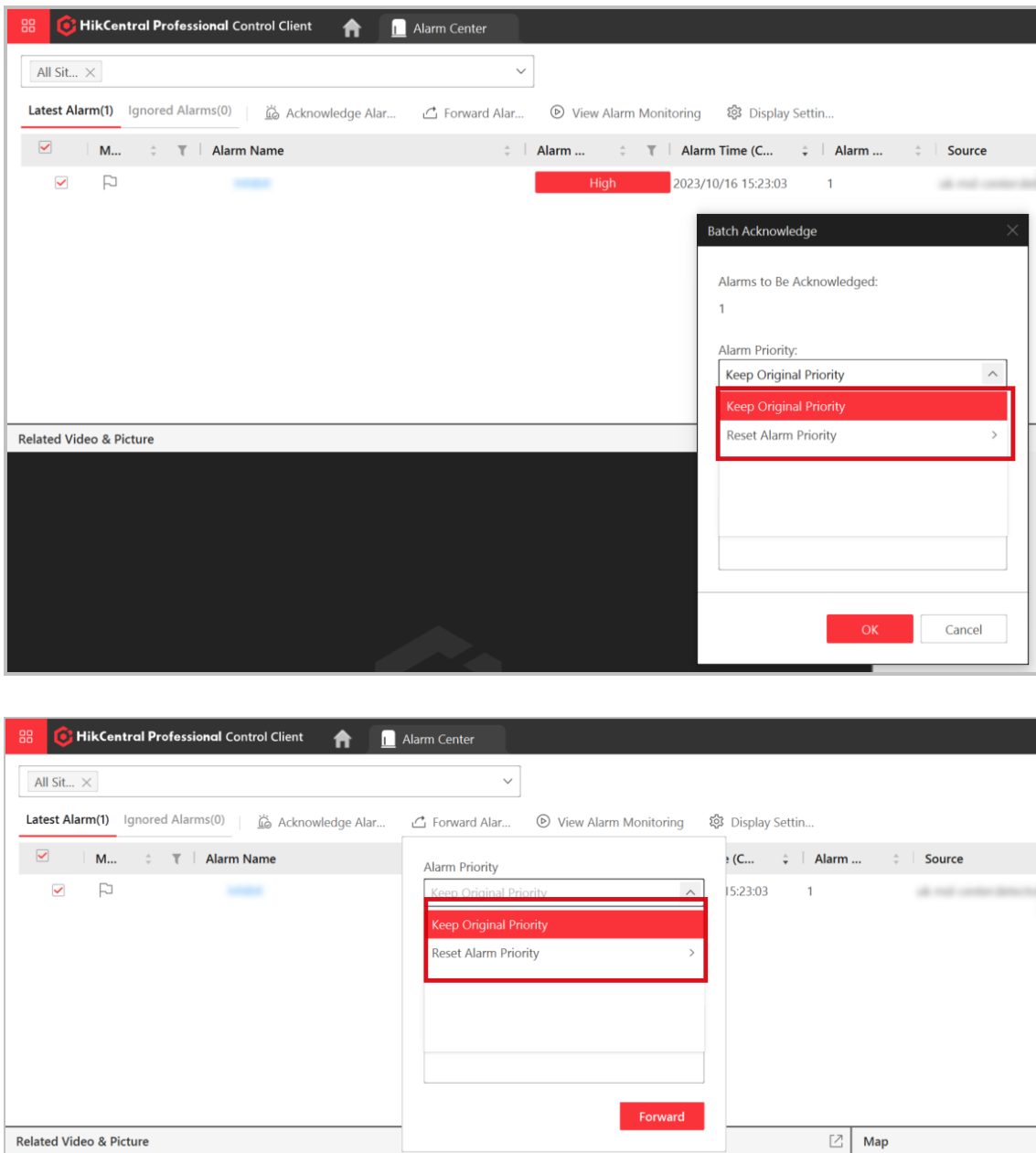


Figure 12-7 Alarm Priority Settings

9. Supports importing the events and alarms configured for door channels and alarm inputs in the remote site to the central site and configuring these events and alarms in the central site.
10. Supports receiving and displaying the alarms triggered by door events forwarded from remote sites to central sites.

Chapter 13 [Improvement] Evidence Management

Updates related to evidence management are shown below.

(Web Client and Control Client) On the Evidence Management module, deletes the Evidence Management page, and adds the File management page and Case Management page.

Updates About File Management

1. (Web Client) On the Basic Configuration, adds the basic parameters including the case type and case additional content for case management, and file tag for file management.

The screenshot shows the 'Basic Configuration' interface. It features three main sections:

- Case Type:** Includes '+ Add' and 'Delete All' buttons. Below are six tags: 'Others', 'Theft', 'Robbery', 'Attack', 'Missing Person', and 'Suspicious Behavior', each with an edit icon and a delete 'X' icon.
- File Tag:** Includes '+ Add' and 'Delete All' buttons. Below is an empty rectangular box for adding tags.
- Case Additional Content:** Includes '+ Add (0/5)' button. Below is a table with columns 'Name', 'Type', and 'Operation'. The table is currently empty, displaying 'No data.' at the bottom. A red 'Save' button is located at the bottom of the form.

Figure 13-1 Basic Parameters

2. (Web Client and Control Client) On the File Management page, supports uploading files from the local PC, uploading files recorded by linked cameras, and synchronizing files generated in other modules.

Updates About Case Management

1. (Web Client and Control Client) On the Case Management page, supports viewing the linked files of a case.
2. (Web Client and Control Client) On the File Management page, supports linking file(s) to the existing case(s).

The screenshot displays a file management interface for a .CSV file. The form includes the following fields and information:

- *File Name:** A text input field.
- File Tag:** A dropdown menu.
- File Start and End Time:** A date and time range selector with 'Start Time', 'End Time', and a calendar icon.
- Uploader:** A text field.
- Uploading Time:** 2023/09/27 10:22:46
- File Size:** 373.60KB
- File Source:** Downloading Record
- Integrity Verification Value:** 546... with a document icon.
- Description:** A text area with a character count of 5000.
- Linked to Case:** A section highlighted with a red border, containing a text input field with the placeholder 'Evidence Name/ID/Description', a trash icon, and a dashed box with a plus sign for adding more links.

At the bottom of the form, there is a red 'Save' button and a pagination indicator '< 10/100 >'.

Figure 13-2 Link a Single File to Case

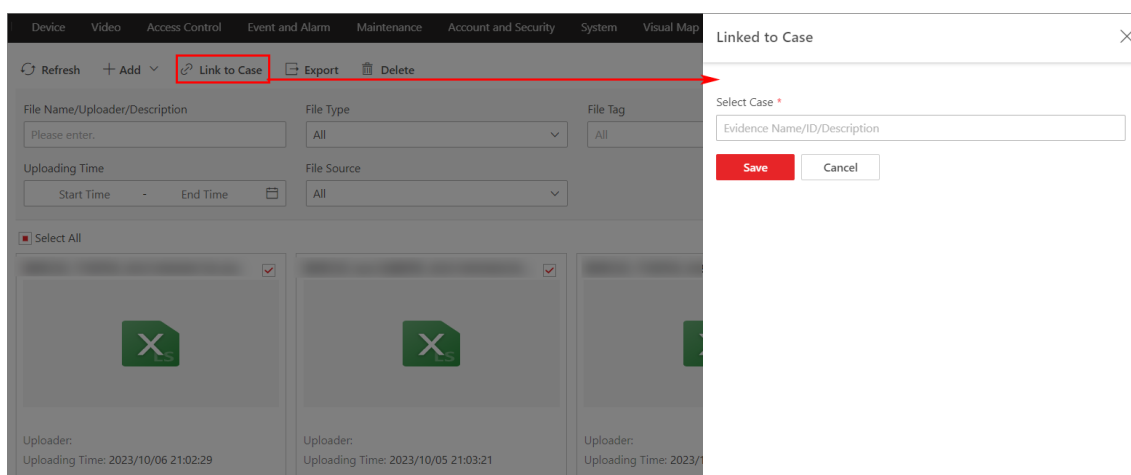


Figure 13-3 Batch Link Files to Case

3. (Web Client and Control Client) On the Case Management page, supports adding files linked to the case in the File Content page.

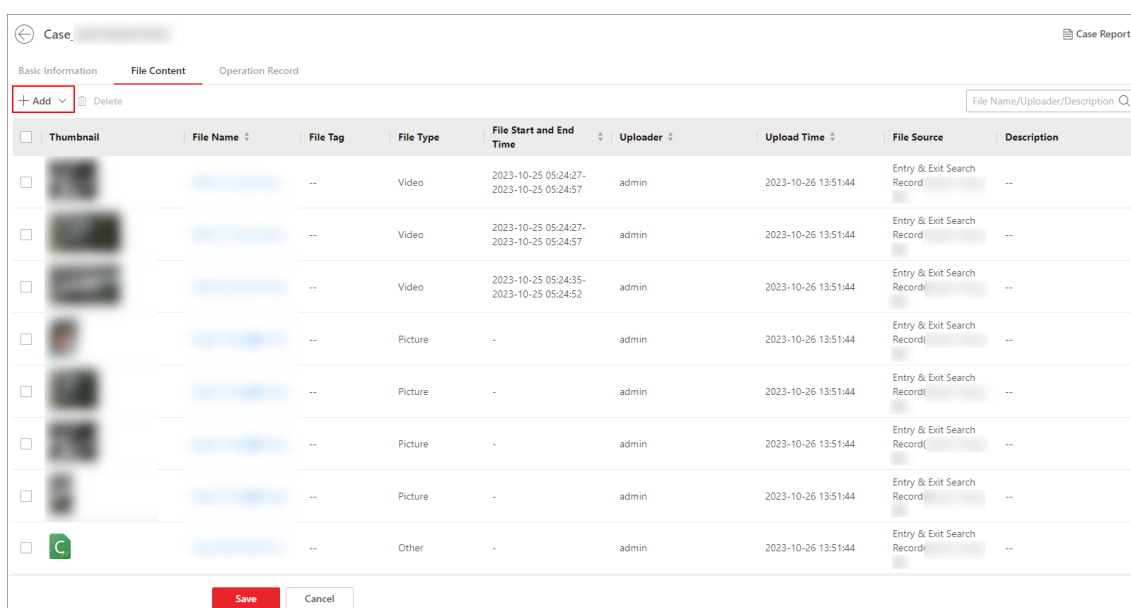


Figure 13-4 Link File to Case in Case Management

4. (Web Client and Control Client) On the File Management page, supports viewing pictures and documents, playing audios and videos, editing videos by clipping, turning the sound on/off, adding text and mosaic, etc.

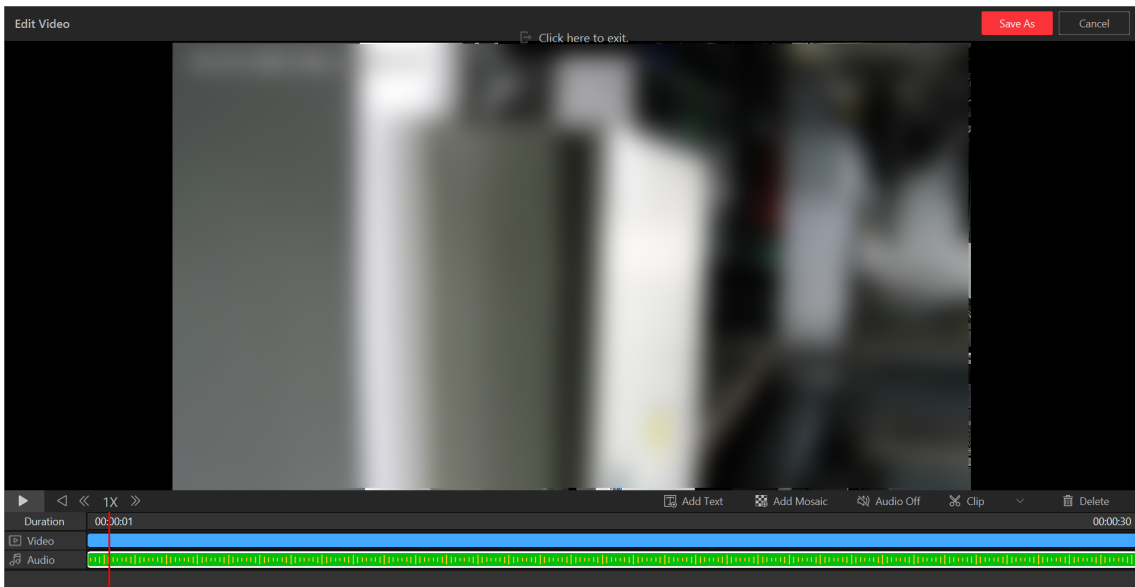


Figure 13-5 Edit Video

Chapter 14 [Improvement] Access Control

1. Optimizes the Real-Time Monitoring page. See the following.
 - a. (Web Client) Supports selecting multiple access points to control them in a batch.
 - b. (Web Client) Supports selecting all access points to control them in a batch.
 - c. (Web Client and Mobile Client) Optimizes the icons of access point status.
2. (Web Client) Adds the page of Access Level Overview which supports viewing all persons' access levels for access points. You can filter persons and perform some operations on their access levels.

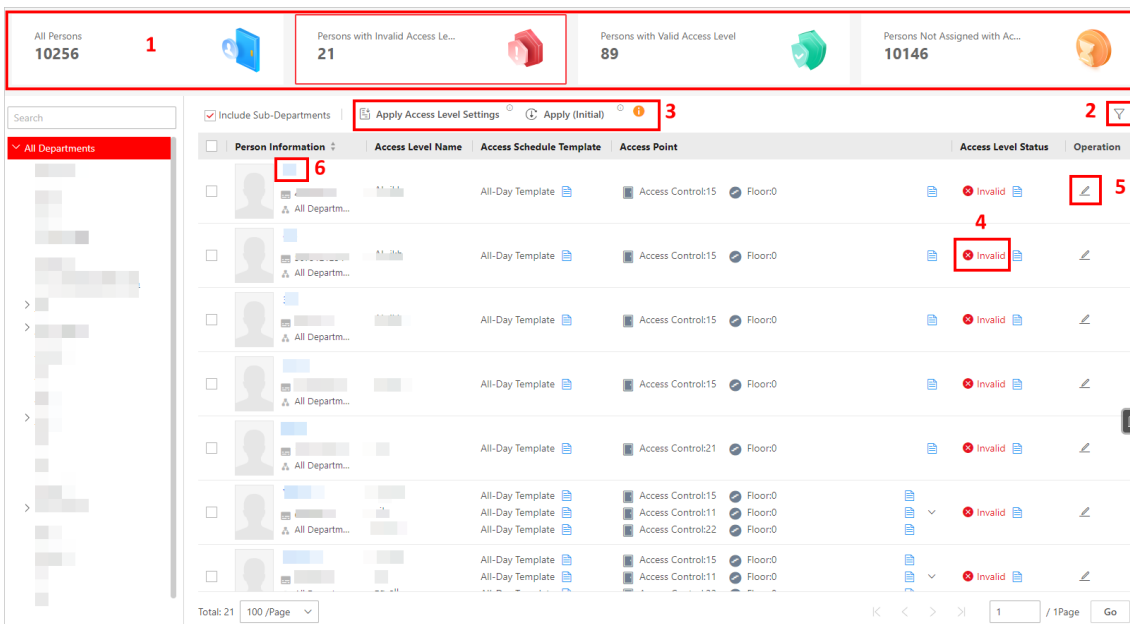


Figure 14-1 Access Level Overview

3. (Web Client) Optimizes the page of assigning access levels by person.

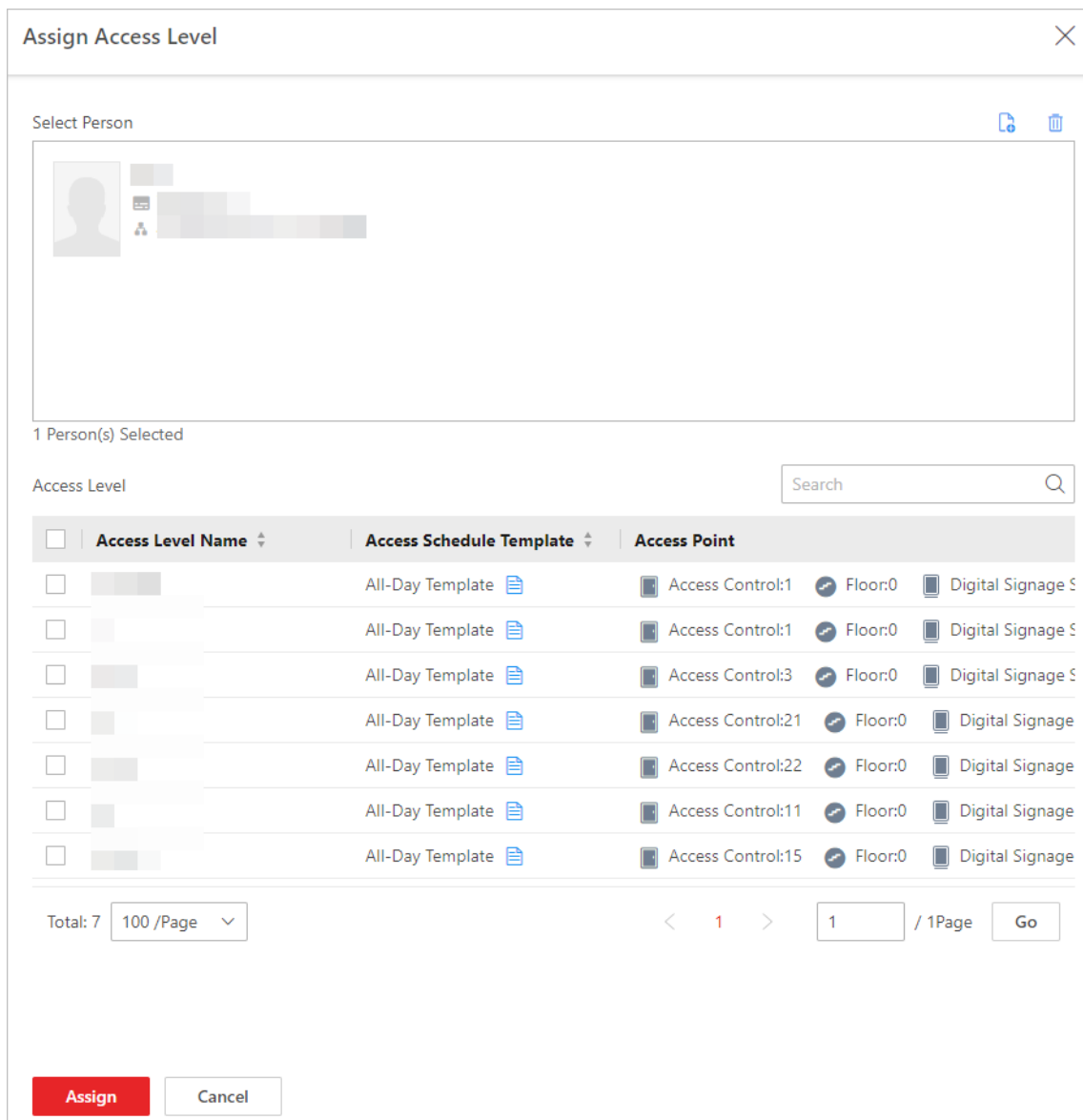
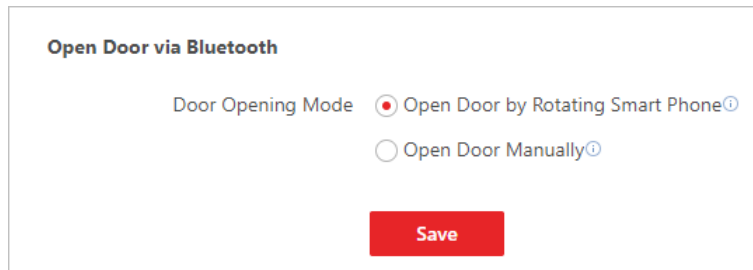




Figure 14-2 Assign Access Level By Person

4. Support setting an authentication password for a person so that the person with device access level can access via entering the authentication password on the devices.
5. (Web Client and Mobile Client) Supports setting **Open Door by Rotating Smart Phone** as the door opening mode.



Open Door via Bluetooth

Door Opening Mode Open Door by Rotating Smart Phone 

Open Door Manually 

Save

Figure 14-3 Open Door via Bluetooth

6. (Mobile Client) Supports opening door via bluetooth after login when the mobile phone is disconnected from the network.
7. (Web Client) The Maintenance module supports ignoring the status of RS-485 card readers on the door status page and the ignored status will be displayed as empty on the Mobile Client.

Chapter 15 [Improvement] Visitor Management

Updates related to visitor management are shown below.

1. Supports setting card readers as the self-service check-out points.

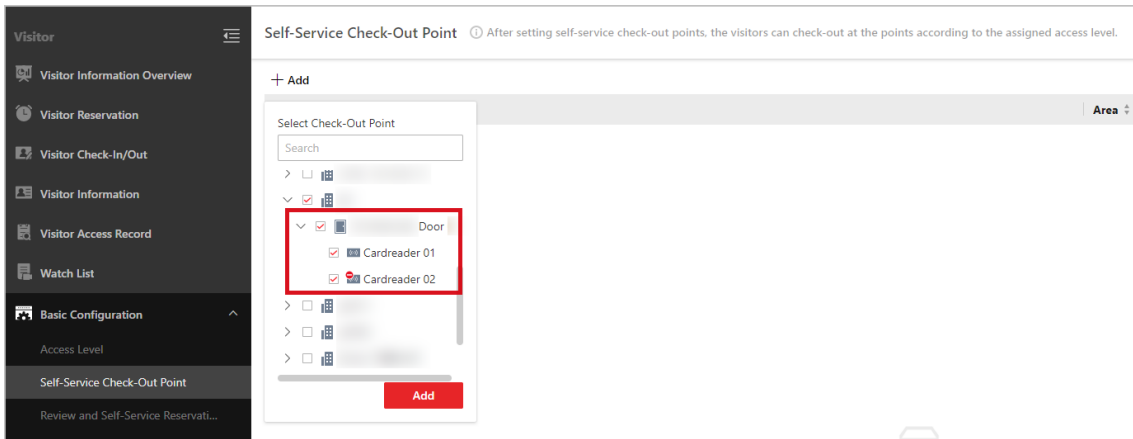


Figure 15-1 Card Reader Check-Out Point

2. Adds sub permissions to Visitor in the configuration permission section.

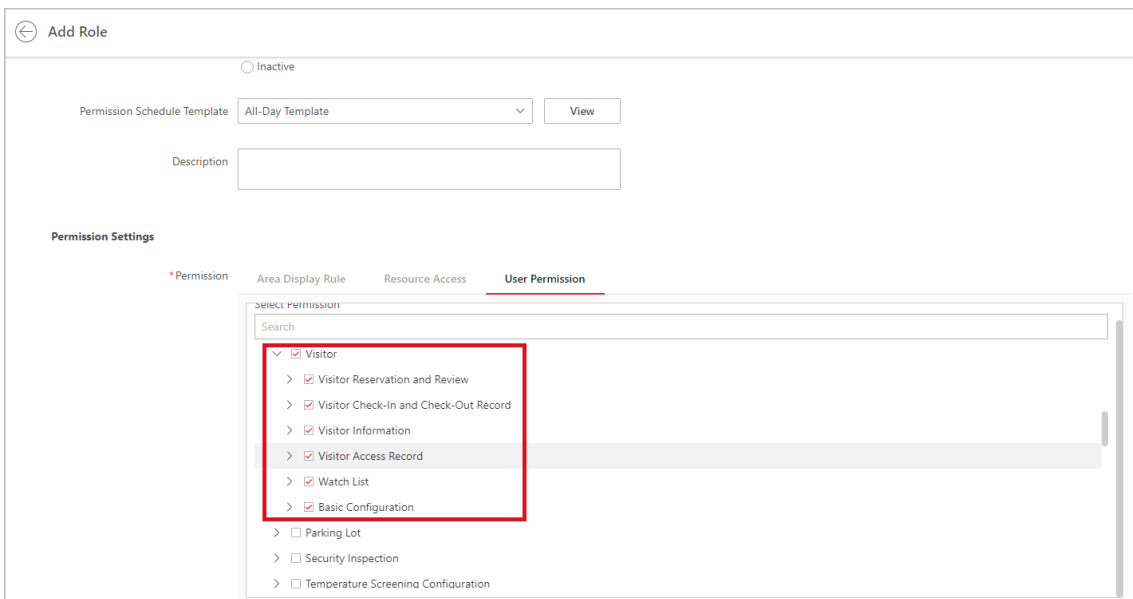


Figure 15-2 Configuration Permission

3. Supports reading visitor information via the United Arab Emirates ID card reader that is connected to the PC.

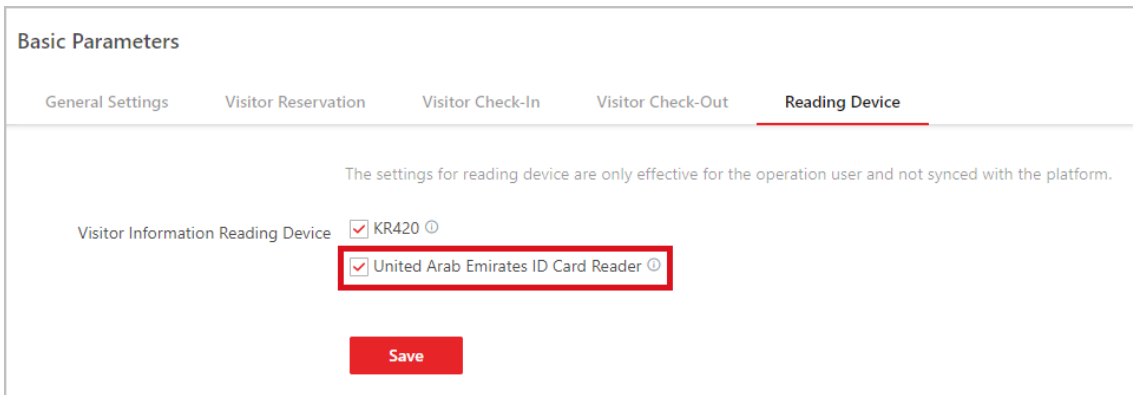


Figure 15-3 United Arab Emirates ID Card Reader

4. Supports enabling **Auto Approve Reservation** so that visitor reservations will be approved automatically.

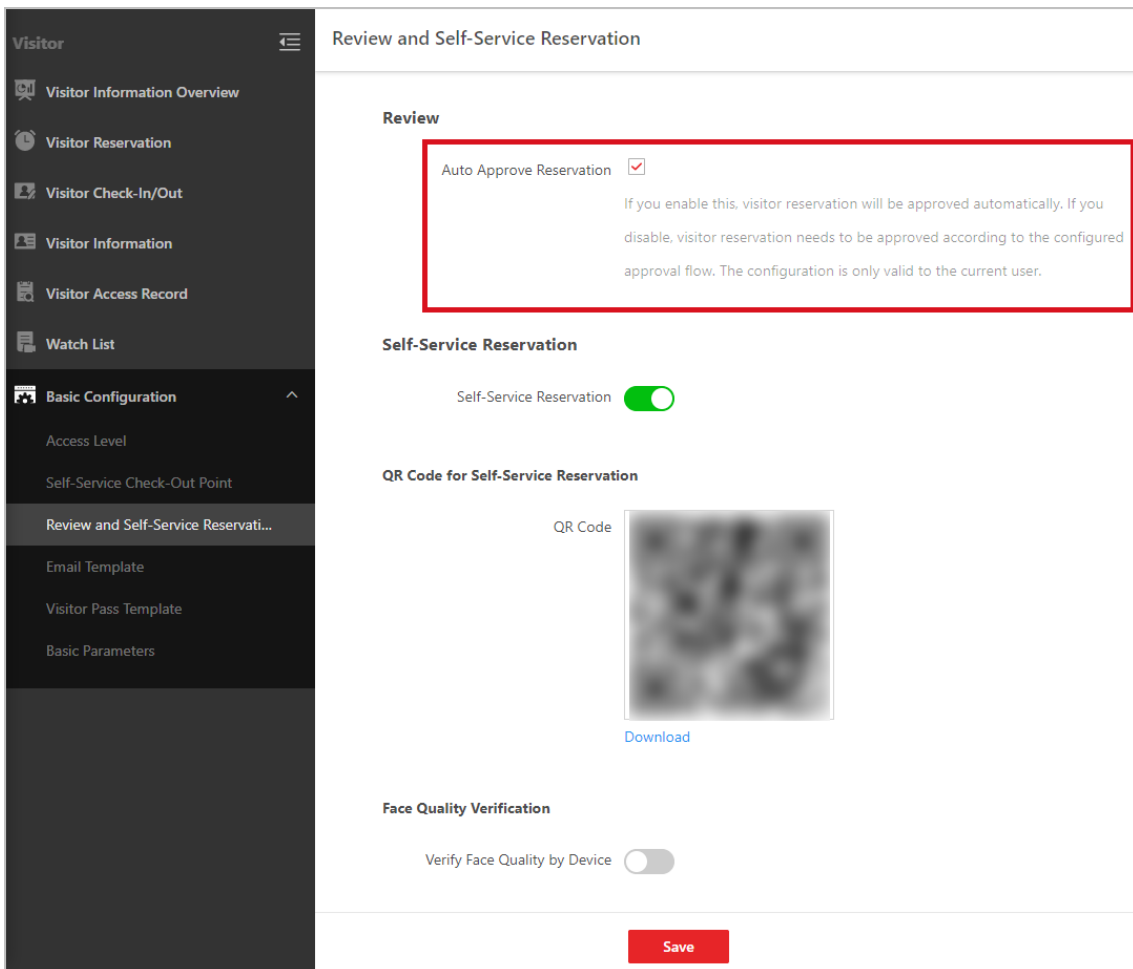


Figure 15-4 Auto Approve Reservation

5. Supports configuring visitor approval flows.

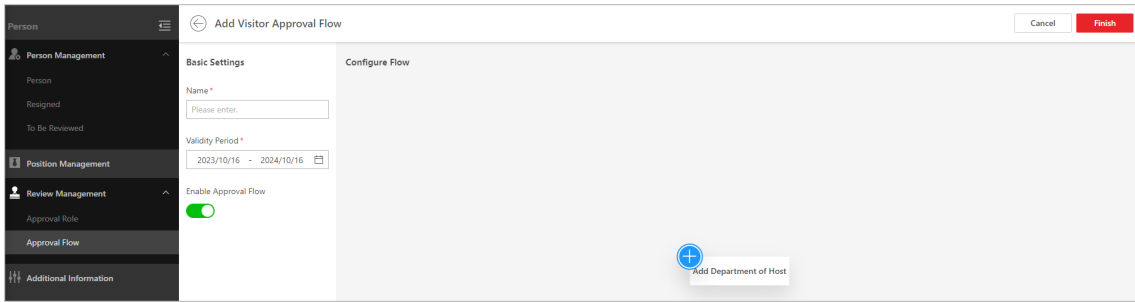


Figure 15-5 Visitor Approval Flow

Chapter 16 [Improvement] Parking Management and Monitoring

Updates related to parking management and monitoring are shown below.

1. (Web Client) Supports checking the configuration and previewing the guidance screens.
2. (Web Client) Supports linking multiple parking lots or floors with an indoor or entrance guidance screen. If the linked parking lots contain sub parking lots, the parking space information of sub parking lots will be displayed by default. If the sub parking lots are linked, only the parking space information of sub parking lots will be displayed.
3. (Web Client) Supports enabling offline entry and exit for vehicles in list to allow vehicles to entry and exit when the platform is offline.

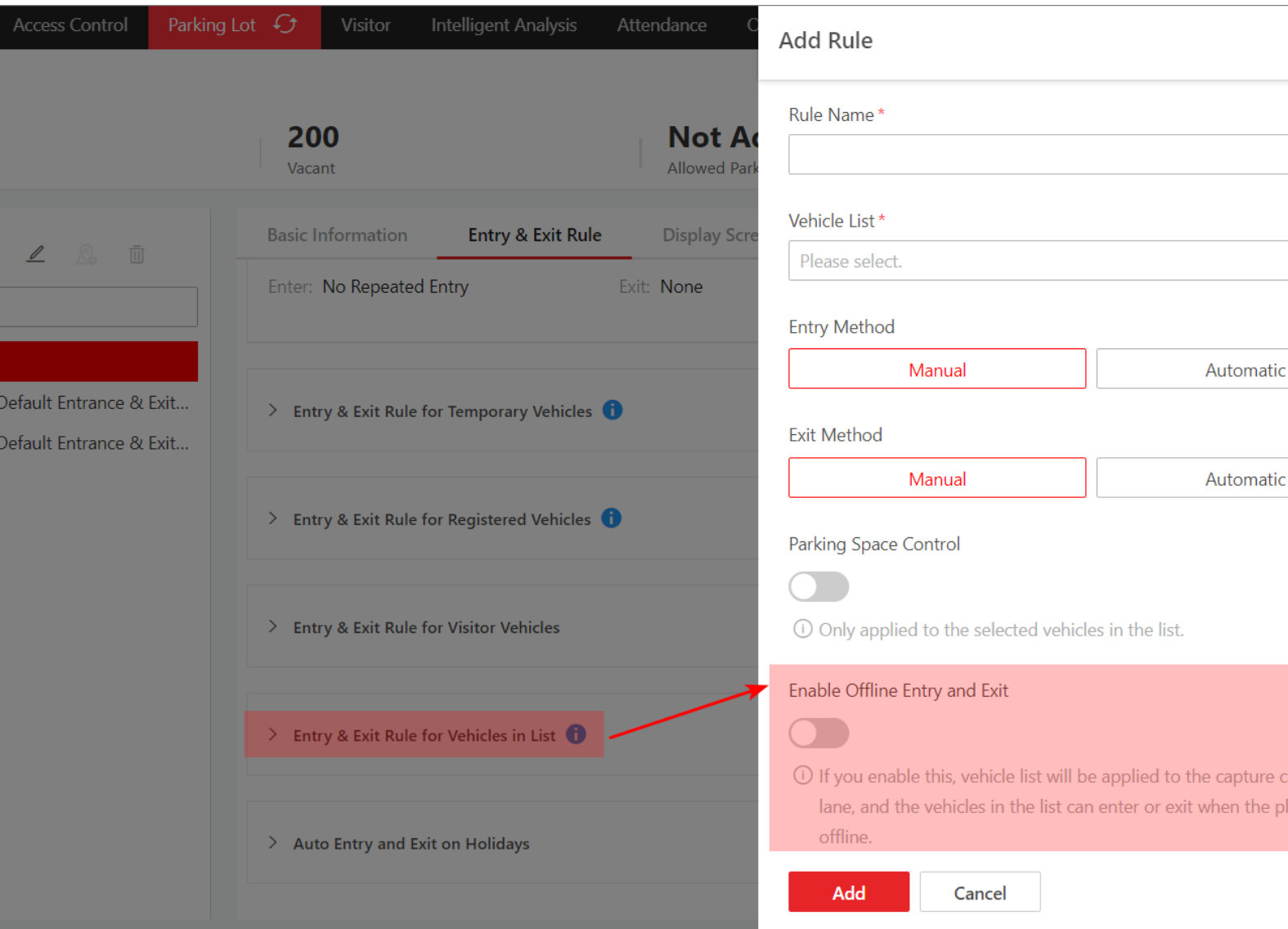


Figure 16-1 Enable Offline Entry and Exit for Vehicles in List

4. (Web Client) When topping up monthly parking passes for vehicles, supports selecting the effective period as **Normal Month** or **30 Days**. For example, when the start date of the effective period is 2023/7/10, if Natural Month is selected, the end date is 2023/8/10, and the total effective period is 31 days. After the parking passes are topped up, supports printing the top-up receipt.

Figure 16-2 Set Effective Period of Top-Up

5. (Web Client) Updates related to the parking guidance configuration are as follows.
- When configuring a map for the floor, supports configuring whether to display the parking space No. on the floor map during parking space monitoring.

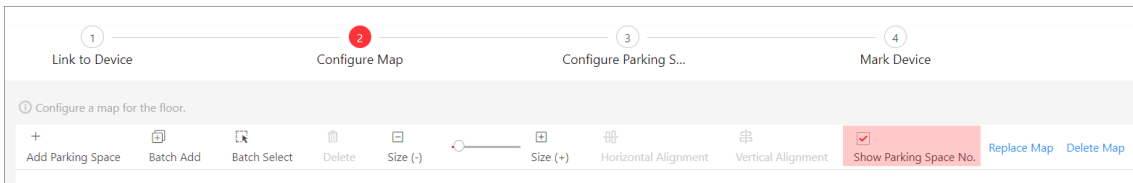


Figure 16-3 Whether to Display Parking Space No. on Map

- When batch setting types for parking spaces on the map, supports checking whether there are some of the selected parking spaces are configured with the vacancy counting function via the checkbox .

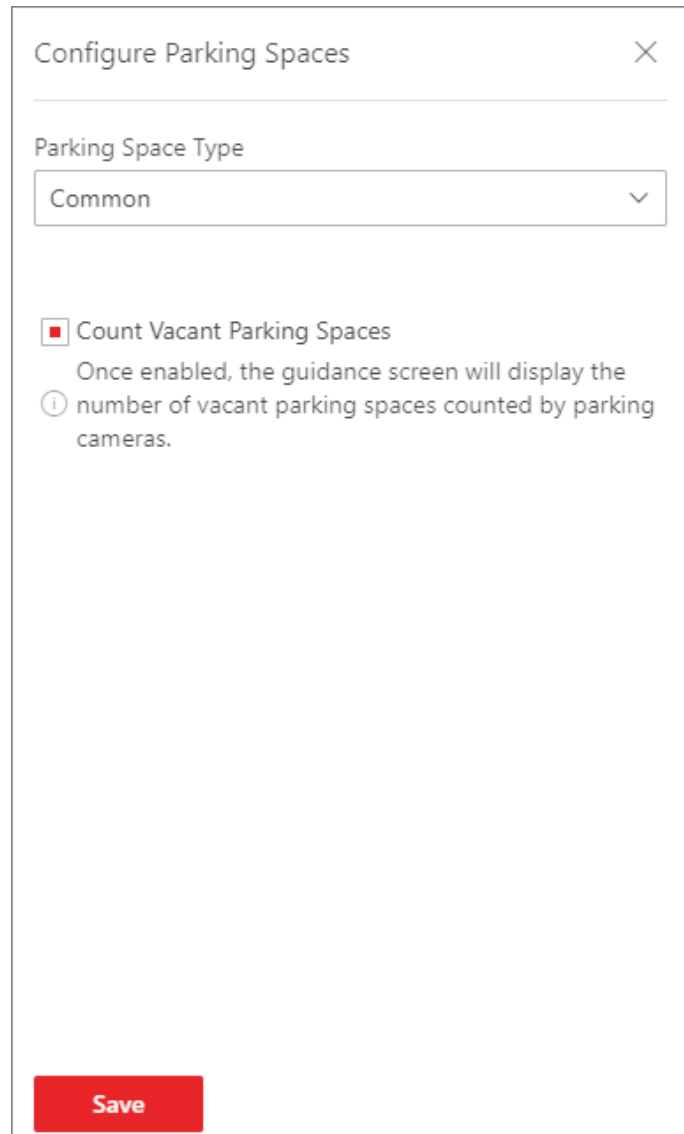


Figure 16-4 Batch Configure Parking Spaces

- When marking devices on the map, supports configuring directions of query terminals for the self-service vehicle finding client to display a more adaptable map view.
6. (Web Client) Supports refreshing the data and displaying the latest update time on the Operation Report and Transaction Report page.

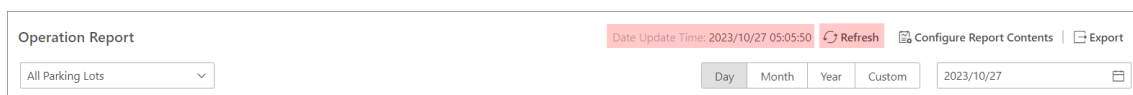


Figure 16-5 Refresh Data and Display Latest Update Time

7. (Web Client and Control Client) When exporting search results of passing vehicles detected by entrances & exits, supports naming and sorting the exported pictures by the capture time.

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8. (Control Client) When viewing the linked video files of the passing vehicle, supports switching between the linked camera and ANPR camera.
9. Supports directly connecting cameras with specified models to the platform for parking space management.

Chapter 17 [Improvement] Video Intercom

1. (Web Client) Support importing call schedules of door stations in a batch.

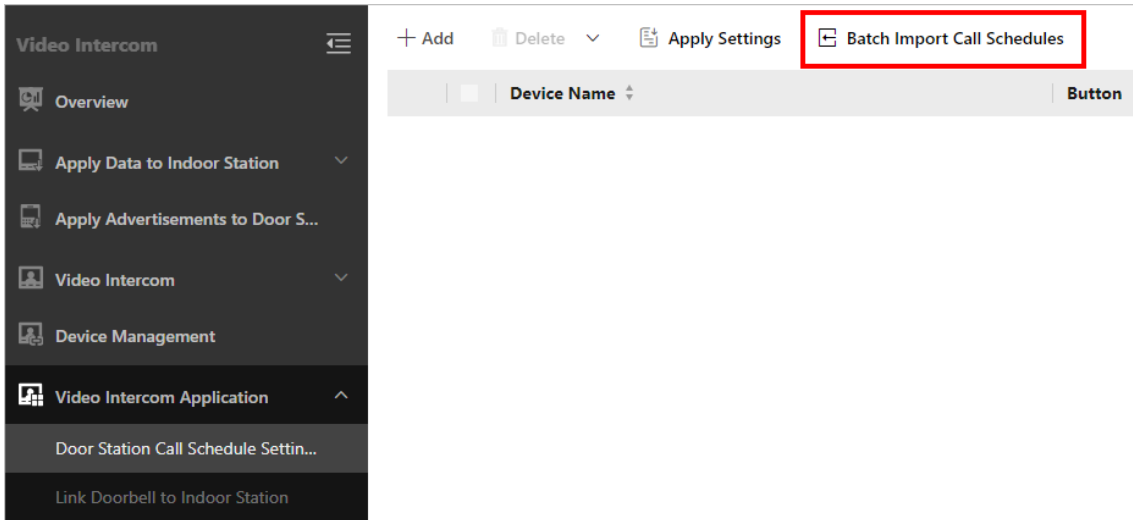


Figure 17-1 Import Call Schedules

2. (Web Client) Support configuring call schedule for outdoor stations.

Chapter 18 [Improvement] On-Board Monitoring

Updates related to the on-board monitoring module are shown below.

1. (Web Client) Adds the **Device Health Check Report** tab, for viewing the device health check by different vehicles. You can specify vehicle(s), select time range, and subscribe to fault type, for viewing and exporting the corresponding report information.

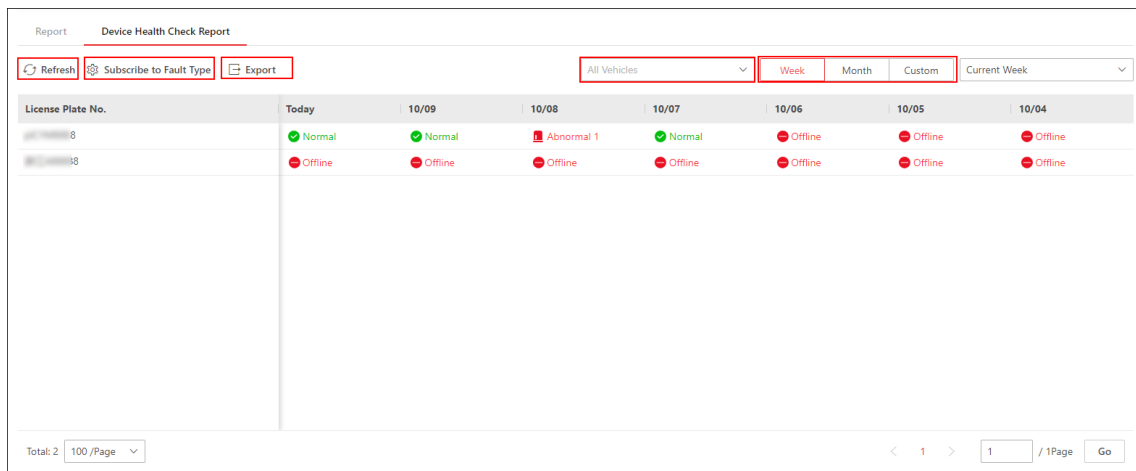
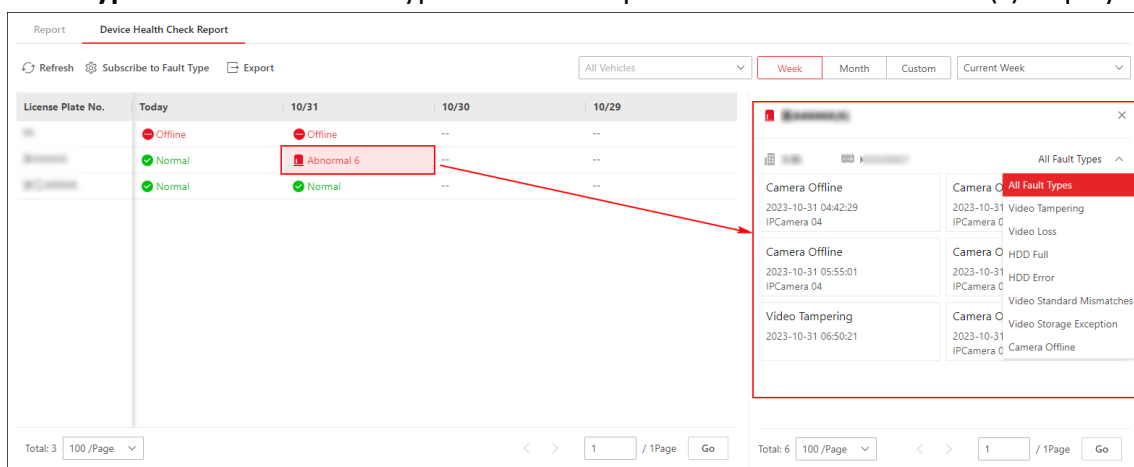


Figure 18-1 Device Health Check Report

- Specify Vehicle: Click **All Vehicles** and select vehicles from the drop-down list to be displayed.
- View Health Check of A Specific Device: Click the status of a device on a specific date to view the health check details on the right. In the panel of health check details, you can click **All Fault Types** and select a fault type from the drop-down list to filter the fault(s) displayed.



- Select Time Range: Click **Week** or **Month**, and select a specific week or month; click **Custom**, and customize the time range as needed.
- Refresh Health Check Info: Click **Refresh** to refresh the health check for devices.

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- Subscribe to Fault Type: Click **Subscribe to Fault Type**, and check fault type(s) as needed.
 - Export: Click **Export** to open the Export Report panel, check contents to be exported as needed, and click **Save** to export the report.
2. (Web Client and Control Client) Adds the ANPR Information tab on the Driving Monitoring page, which presents the vehicle passing records. Each record is attached with detailed information such as the license plate number, GPS info, and driving direction. Click **More** to jump to **Passing Vehicle Search** in the ANPR module; click the different buttons in the operation column of each record to jump to **Passing Vehicle Search** with different conditions.

Real-Time Event	Location Info	ANPR Information						
License Plate No.	Area	Number of Events	Time (Device)	Event Type	GPS Info	Driving Direction	Operation	
...	...	4			--		🔍	
...	...	--	2023-10-27 02:45:11	Vehicle Mismatched Event	...	West	📄 🔍 🔄 🗑️	
...	...	--	2023-10-27 02:42:37	Vehicle Mismatched Event	...	West	📄 🔍 🔄 🗑️	
...	...	--	2023-10-27 02:43:53	Vehicle Mismatched Event	...	West	📄 🔍 🔄 🗑️	
...	...	--	2023-10-27 02:41:20	Vehicle Mismatched Event	...	West	📄 🔍 🔄 🗑️	

Figure 18-2 ANPR Information

3. (Web Client) Moves the overview of statistics and report to on-board monitoring as **Report**. You can have an overview of on-board monitoring data in the last 7 days on one page, including the GPS information, driving distance, driving duration, overspeed times, and driving events.

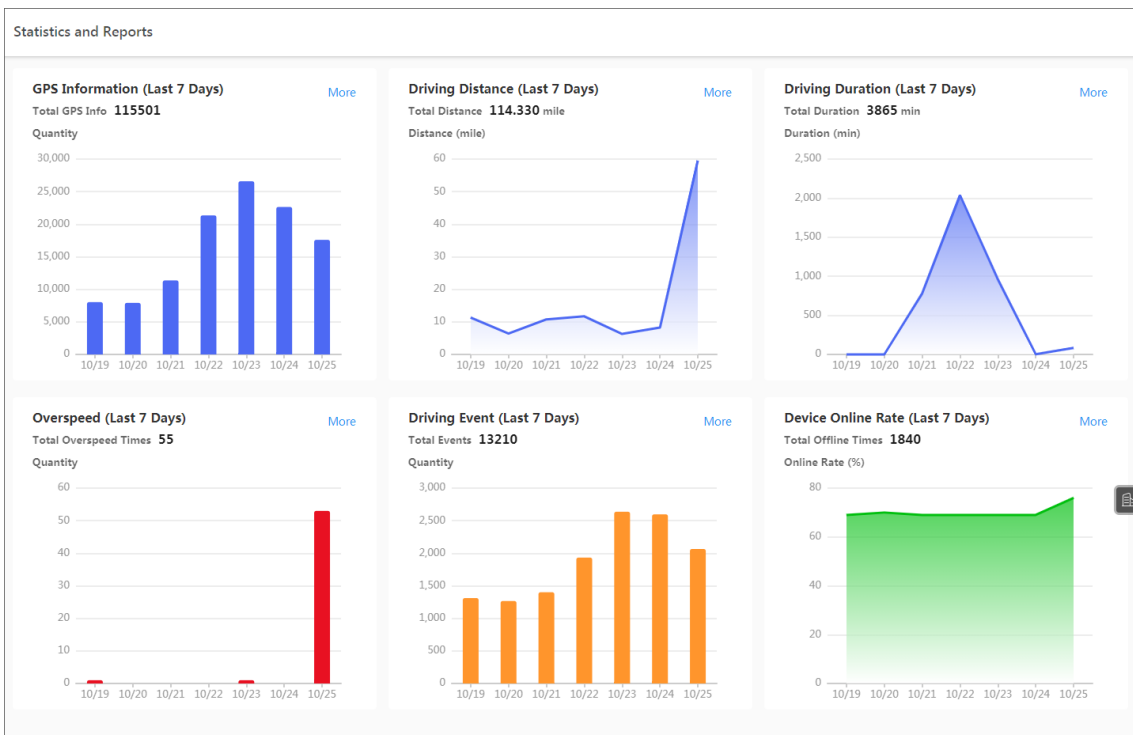


Figure 18-3 Report

4. (Web Client) Adds the option of enabling **Fuel Consumption Monitoring** for configuring fuel level monitoring parameters. When it is enabled, the fuel consumption per 100 km will be displayed and reported in **Driver Analytics**.

Fuel Level Monitoring Parameters

*Fuel Level Monitoring Parameters
When it is enabled, the functions of searching for fuel level monitoring records and generating fuel consumption statistics reports are available.

Fuel Consumption Monitoring
If it is enabled, the fuel consumption per 100 km will be displayed and reported. (The data may be inaccurate due to influences of fuel level and mileage).

*Fuel Quantity Unit Litre (L)
 Gallon (gal)

Fuel Tank Model

Name	Fuel Tank Capacity (L)	Fuel Height (cm)	Threshold of Fuel Consumption (L/100km)	Operation
www	100	100	10	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

*Fuel Tolerance in Tank Litre

Figure 18-4 Fuel Consumption Monitoring

5. Supports firmware upgrade via HTTP.
6. Adds driver status monitoring events: Absence, Yawning, Wearing IR Interrupted Sunglasses, and Video Tampering.
Adds events triggered by on-board device maintenance: Video Loss, HDD Full, HDD R/W Error, Video Standard Mismatch, and Video Storage Exception.

Chapter 19 [Main Optimizations] Portable Enforcement Management

The main optimizations related to the portable enforcement module on the Web Client are shown below.

1. On the Real-Time Monitoring page, supports locating on map, playing back history track, viewing real-time moving path by person.
2. On the File Search page, supports viewing the desired video by dragging the timeline.

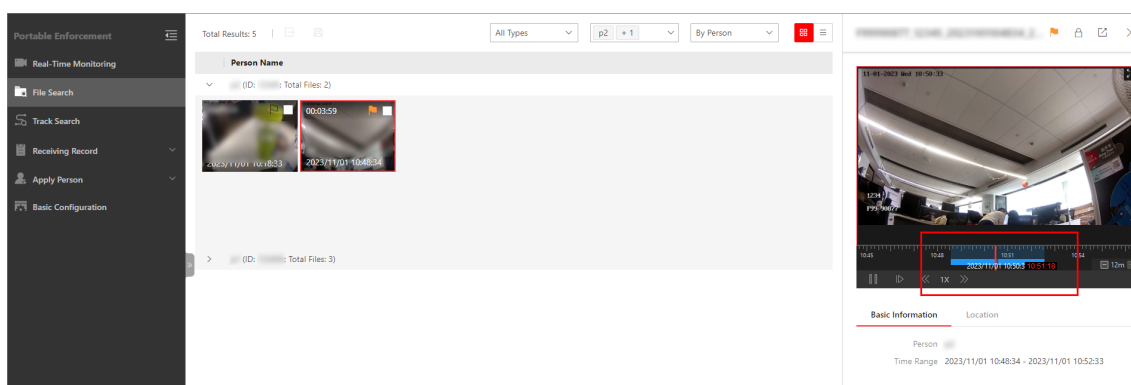


Figure 19-1 View Video by Time

3. On the Track Search page, supports setting conditions to search for person's history track. Supports playing back the track and export track information.

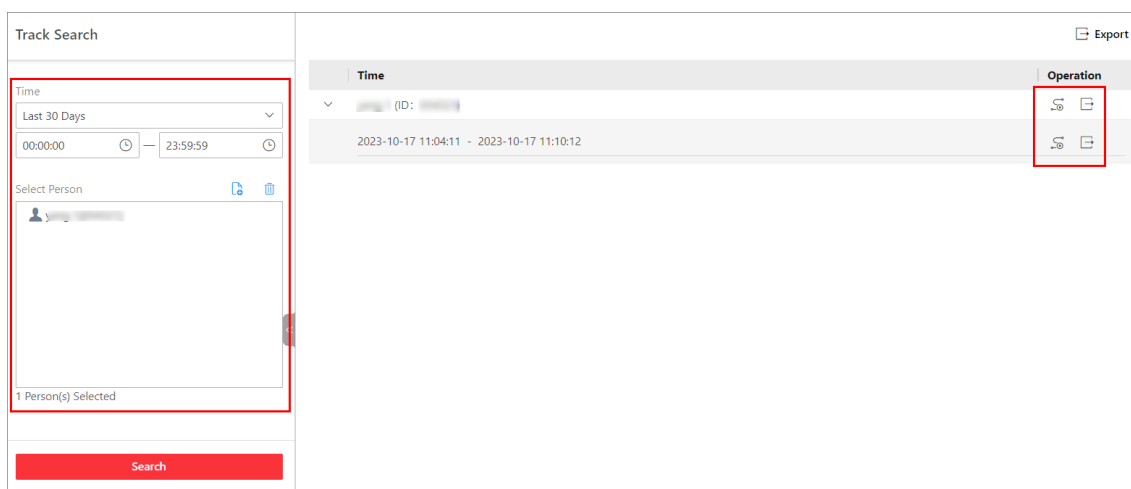


Figure 19-2 Track Search

4. Adds the function of searching for receiving records after the persons receive portable devices. Supports searching by person or by device.

Receiving Record by Person

Receiving Time: Last 30 Days

Return Status: All, Returned, Not Returned

Select Person: All Persons, Specified Person

Person	Department	Record Statistics	Portable Device	Receiving Time	Return Time	Duration of Use	Total Generated	Video Length	Operation
All Departments	All Departments	10		2023-10-11 11:47:52	2023-10-11 11:49:35	1min43sec	3	--	
All Departments	All Departments			2023-10-13 10:12:24	2023-10-13 17:58:07	7h45min43sec	0	--	
All Departments	All Departments			2023-10-12 09:41:28	2023-10-12 09:42:15	47sec	3	4sec	
All Departments	All Departments			2023-10-16 09:48:30	2023-10-16 16:15:11	6h26min41sec	13	6h25min5sec	
All Departments	All Departments			2023-10-12 10:08:10	2023-10-12 10:08:46	36sec	0	--	
All Departments	All Departments			2023-10-10 18:48:58	2023-10-11 10:05:35	15h16min37s...	23	9h54min54sec	
All Departments	All Departments			2023-10-11 11:25:19	2023-10-11 11:28:11	2min52sec	0	--	
All Departments	All Departments			2023-10-11 18:40:11	2023-10-12 08:26:13	13h46min2sec	1	6min21sec	
All Departments	All Departments			2023-10-12 10:24:51	2023-10-12 10:25:23	32sec	0	--	
All Departments	All Departments			2023-10-12 09:46:14	2023-10-12 09:47:11	57sec	3	6sec	

Total: 2 100 / Page 1 / 1 Page Go

Figure 19-3 Receiving Records by Person

Receiving Record by Device

Receiving Time: Last 30 Days

Return Status: All, Returned, Not Returned

Device: All devices are selected.

Portable Device	Record Statistics	Person	Department	Receiving Time	Return Time	Duration of Use	Total Generated	Video Length	Operation
	8		All Departments	2023-10-12 10:08:10	2023-10-12 10:08:46	36sec	0	--	
			All Departments	2023-10-13 10:12:24	2023-10-13 17:58:07	7h45min43sec	0	--	
			All Departments	2023-10-12 09:46:14	2023-10-12 09:47:11	57sec	3	6sec	
			All Departments	2023-10-10 18:52:40	2023-10-11 10:05:58	15h13min18sec	18	7h36min36sec	
			All Departments	2023-10-12 09:41:28	2023-10-12 09:42:15	47sec	3	4sec	
			All Departments	2023-10-12 10:24:51	2023-10-12 10:25:23	32sec	0	--	
			All Department...	2023-10-17 10:53:15	2023-10-17 10:53:50	35sec	1	--	
			All Departments	2023-10-16 09:48:30	2023-10-16 16:15:11	6h26min41sec	13	6h25min5sec	

Total: 3 100 / Page 1 / 1 Page Go

Figure 19-4 Receiving Records by Device

- Supports using domain password as the password to log into body camera if the person is imported to the platform via local AD and **Use Domain Password as Body Camera Login Password** is enabled when the person is imported.

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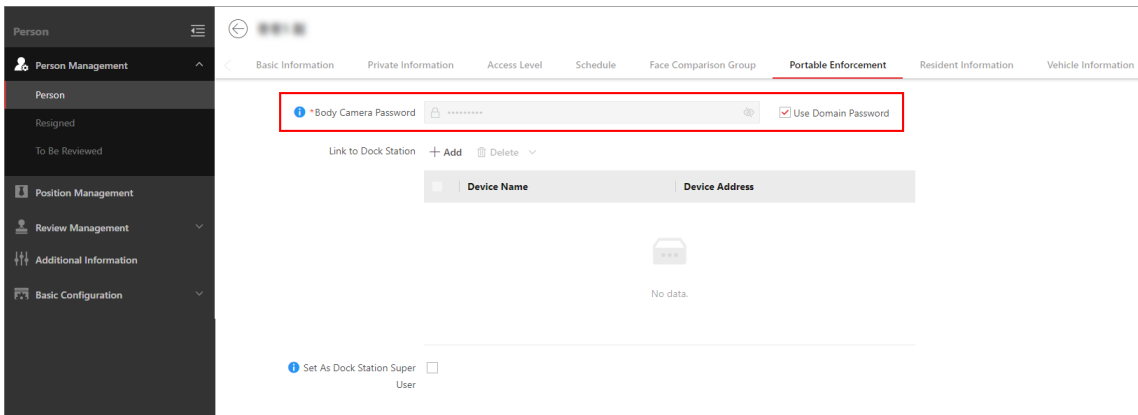


Figure 19-5 Use Domain Password to Log into Body Camera

Chapter 20 [Improvement] Intelligent Analysis Report

Updates related to intelligent analysis report are shown below.

1. (Web Client and Control Client) On the People Counting page of the retail/supermarket scenario, adds the walk-in rate rankings in the people counting analysis report of entry & exit.

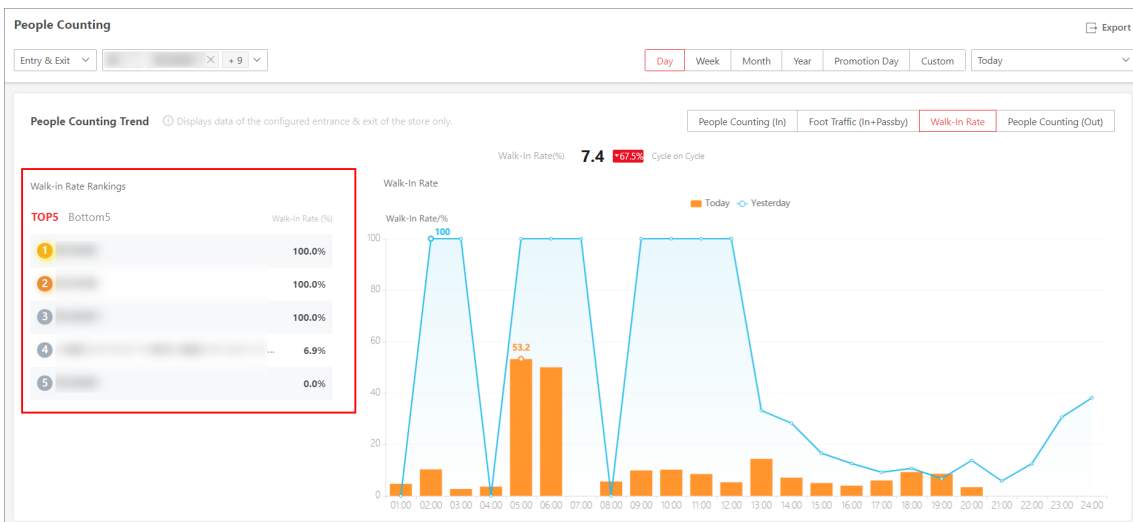


Figure 20-1 Walk-In Rate Rankings in People Counting Analysis Report

2. (Web Client and Control Client) On the People Counting page of the retail/supermarket scenario, adds the icon of flow direction on the map, representing that the entrance & exit supports flow direction analysis.
3. (Web Client and Control Client) On the Dashboard page of the retail/supermarket scenario, adds the average walk-in rate.

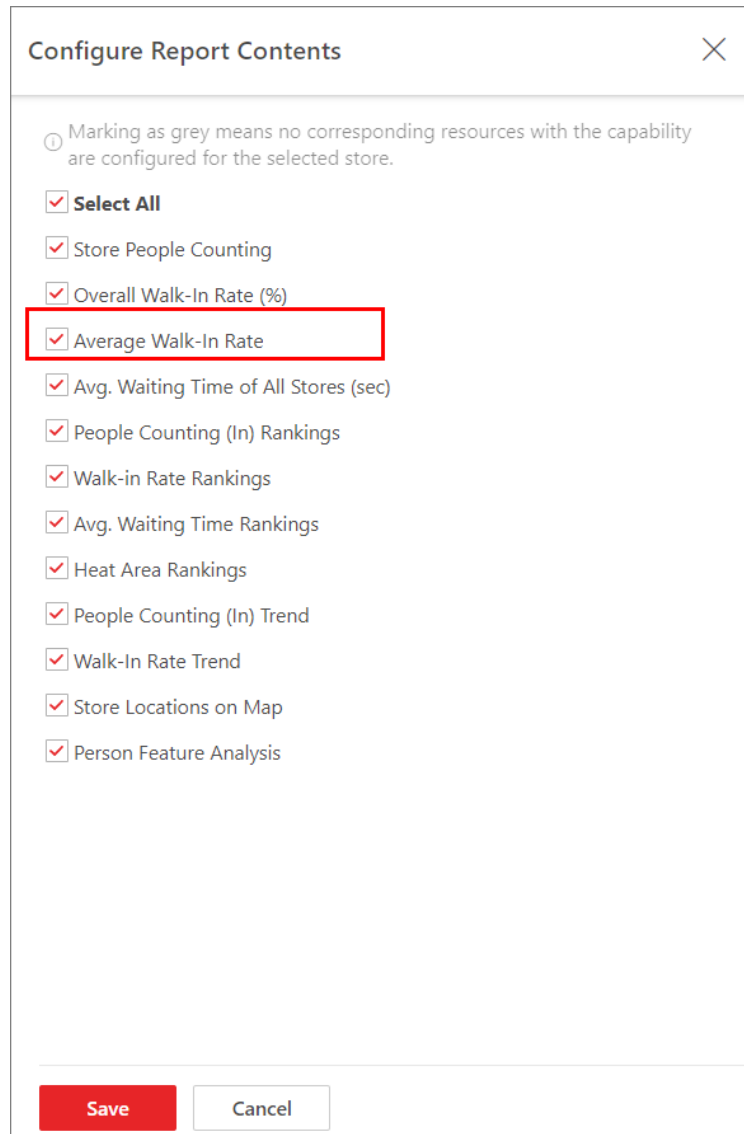


Figure 20-2 Average Walk-In Rate in Dashboard

4. (Web Client and Control Client) On the Temperature Analysis page of the retail/supermarket scenario, adds the temperature report of a specified preset, and supports displaying accurate pre-alarm and alarm times.

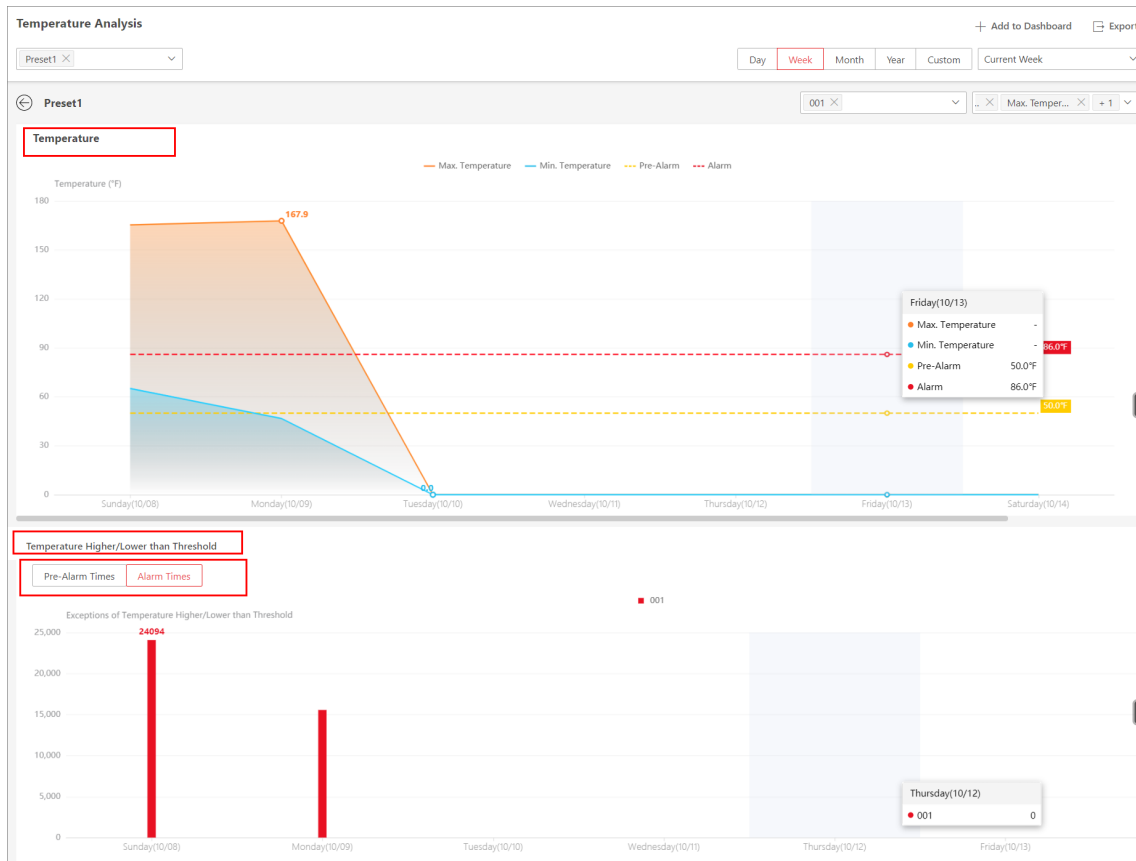


Figure 20-3 Improvement on Temperature Analysis Page

5. (Web Client and Control Client) On the Multiple-Store Report page and Store Promotion Day Report page, supports exporting reports by the order of the selected contents.
6. (Web Client and Control Client) Supports synchronizing the reporting time of reports in EXCEL and CSV formats with the client time.
7. (Web Client and Control Client) Supports reserving one decimal place of the walk-in rate and average walk-in rate for generating more accurate reports.
8. (Web Client and Control Client) On the Scheduled Report page of the retail/supermarket scenario, supports specifying the **Statistical Object** to available stores.

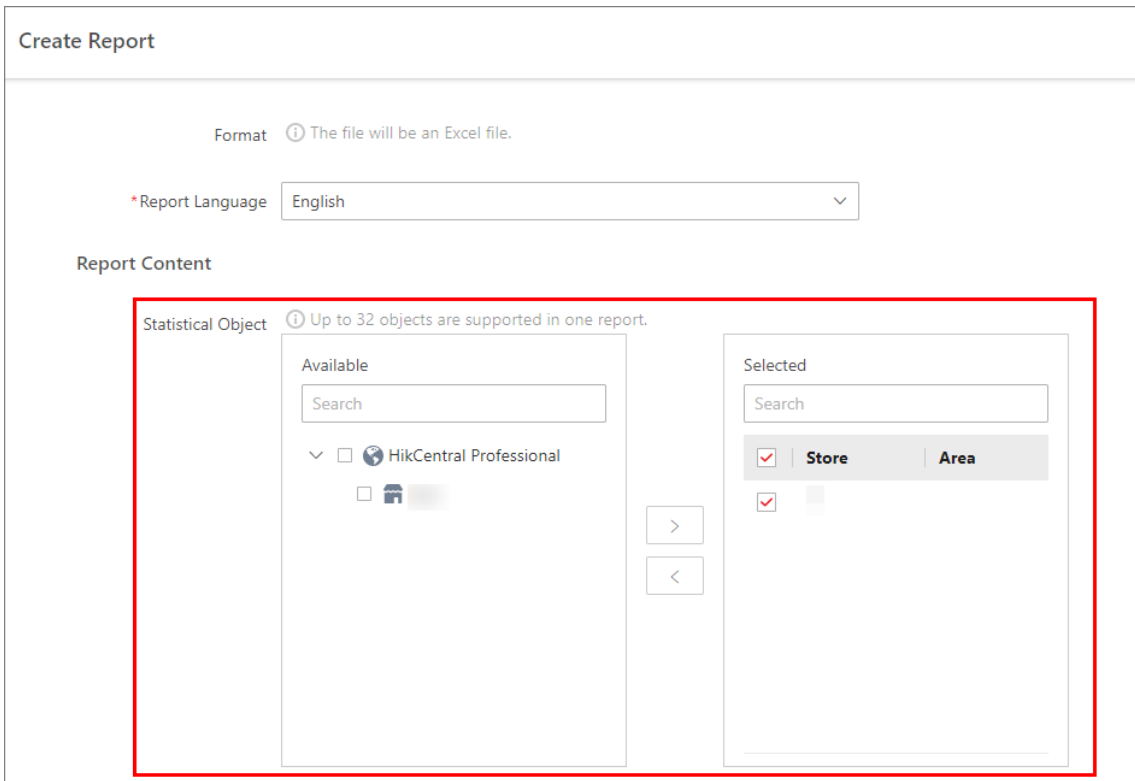


Figure 20-4 Statistical Object

Chapter 21 [Improvement] Time and Attendance

1. (Web Client) Moves the functions of approval role management and approval flow management to the Person module.
2. (Web Client) When setting the break period for a timetable, supports enabling **Exclude Break Duration from Work Hours** to set the break duration not be counted into work hours.

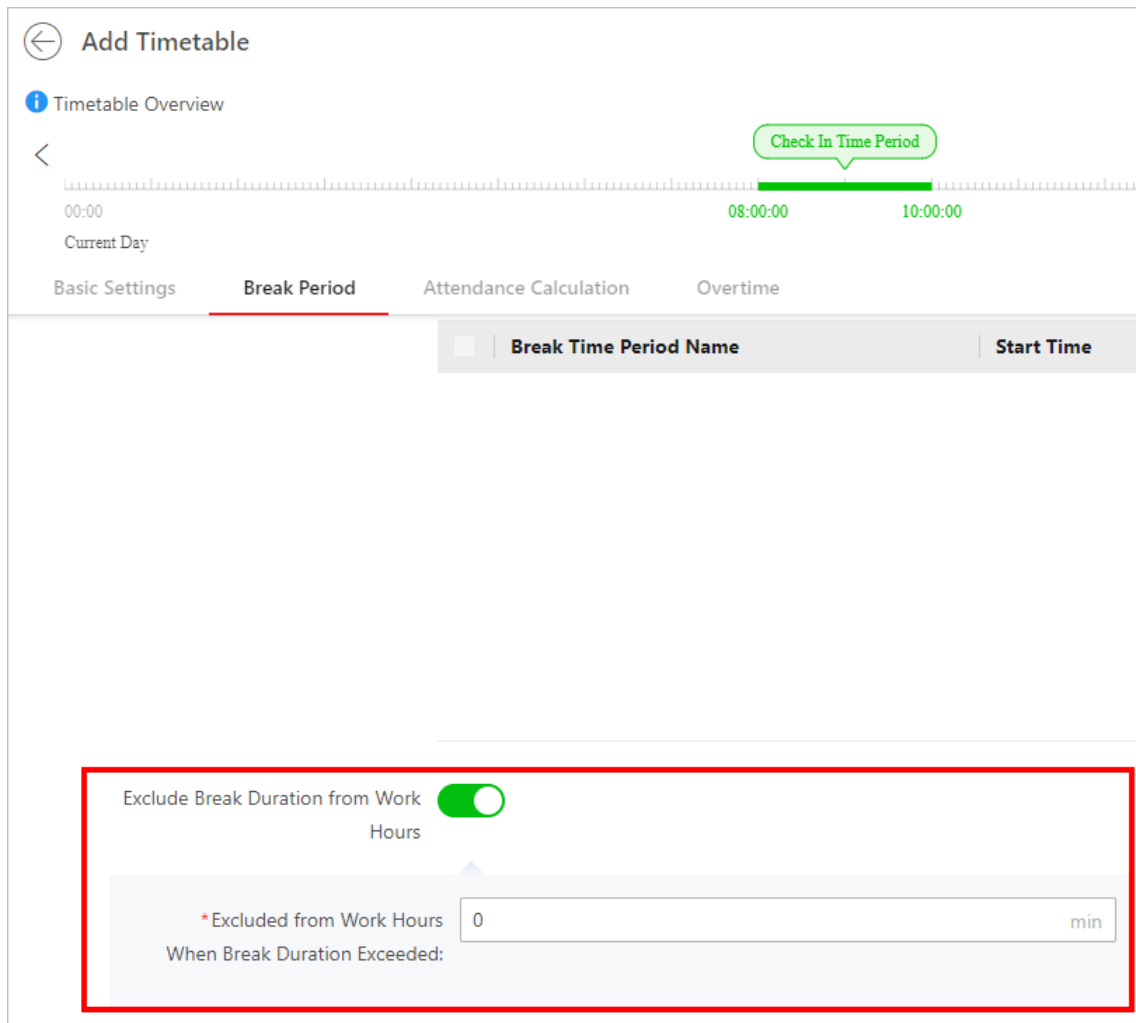


Figure 21-1 Add Timetable Page

3. (Web Client) When adding or editing a shift, users can select both the normal timetable and the flexible timetable.

← Add Shift

Description

Repetition Configuration

*Repeat Mode Week
 Day
 Month

*Repeat Every

Timetable Example-N... Example-Fl... 🔍 🗑️

	00	02	04	06	08	10	12	14	16	18	20	22	24
Sunday													
Monday													
Tuesday													
Wednesday													
Thursday													
Friday													
Saturday													

Figure 21-2 Add Shift Page

4. (Web Client) The page of setting schedule report supports customizing the paper size and direction of printing if the report format is PDF.

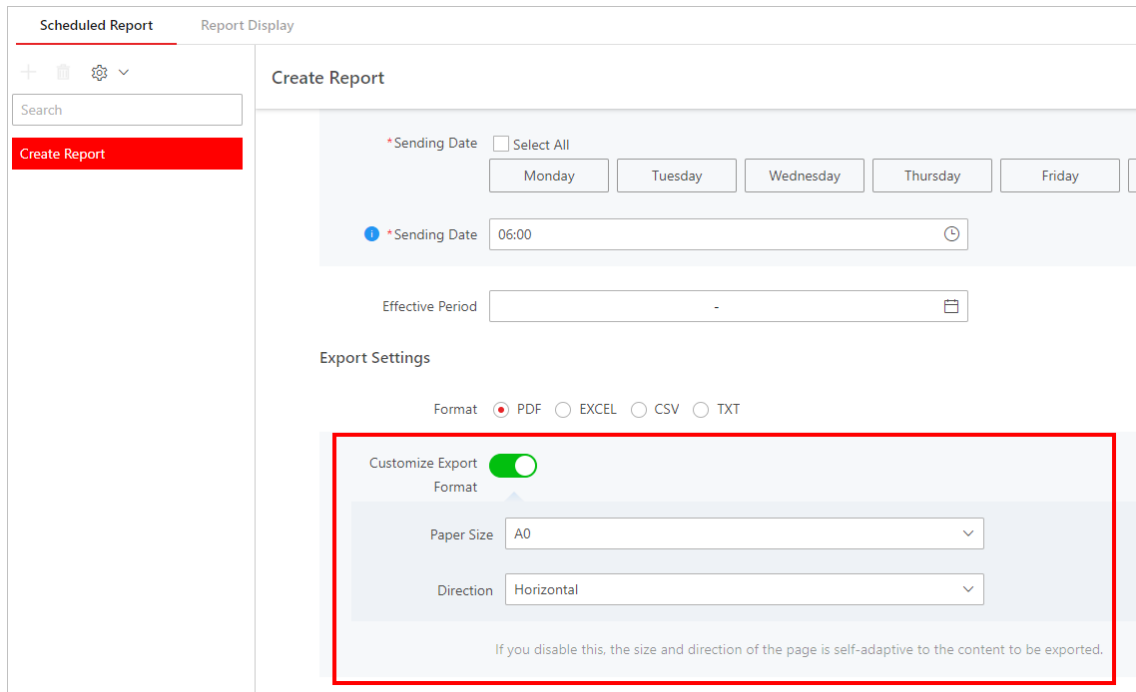


Figure 21-3 Scheduled Report Page

5. (Web Client) Optimizes the time format of attendance records in the customized reports.

Chapter 22 [Improvement] Patrol Management

Updates related to patrol management are shown below.

1. Supports configuring GPS locations (valid patrol scopes) for patrol points of QR code type.

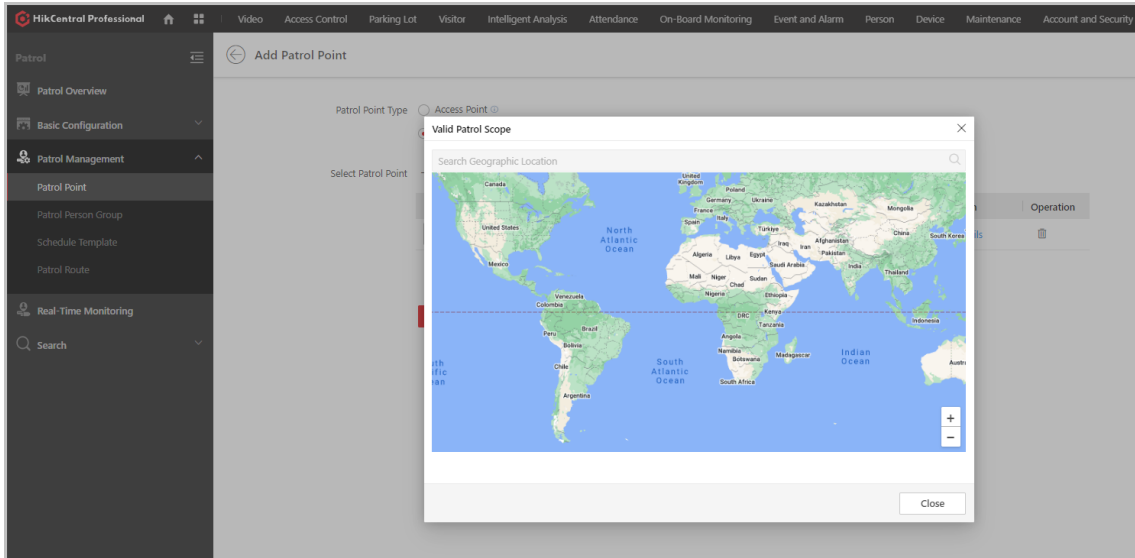


Figure 22-1 Valid Patrol Scope

2. Adds the patrol scope mismatch event.

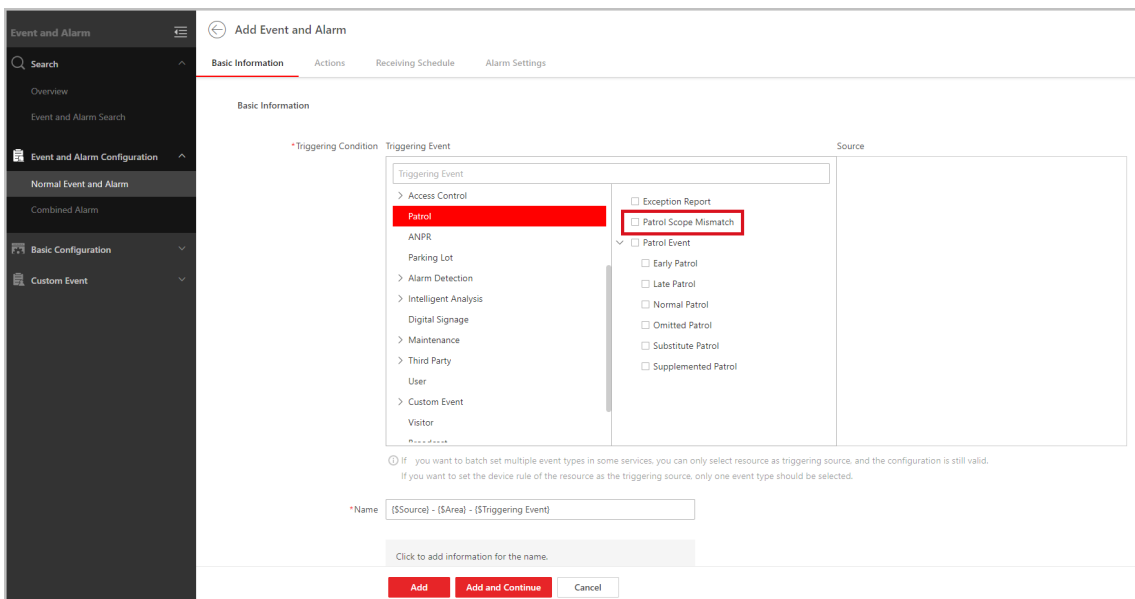


Figure 22-2 Patrol Scope Mismatch

- 3. Supports enabling GPS verification so that only patrols performed within a configured scope will be valid.

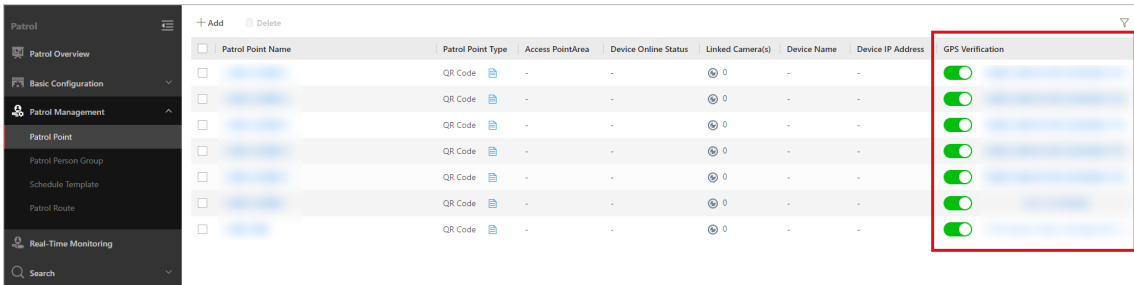


Figure 22-3 GPS Verification

- 4. Supports viewing the actual patrol location.

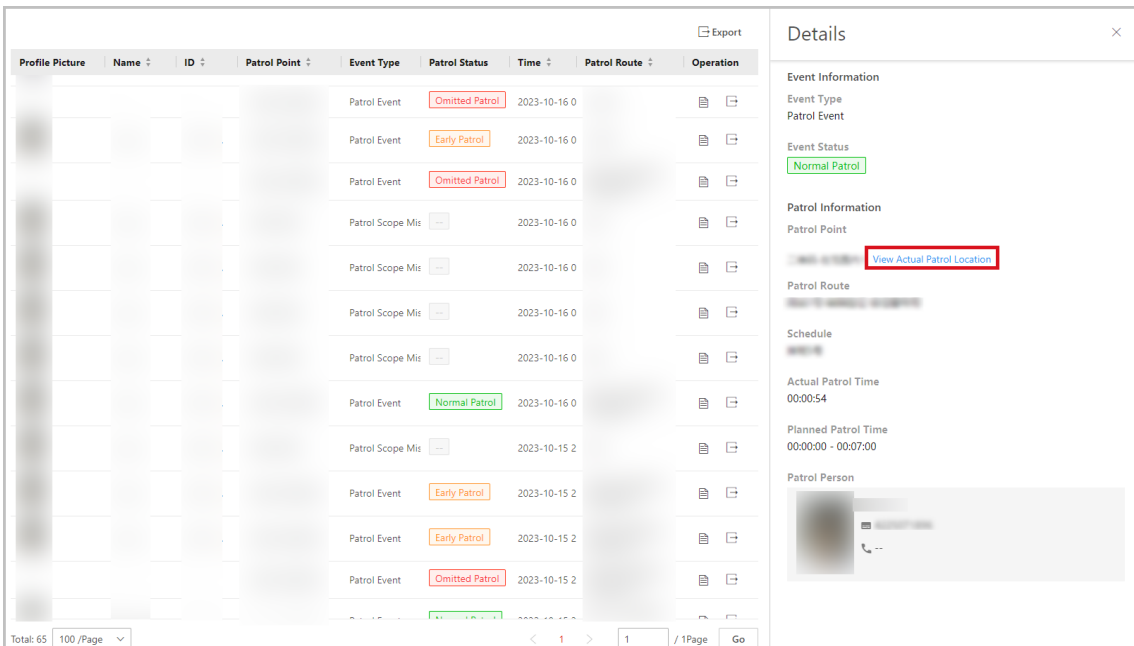


Figure 22-4 Actual Patrol Location

- 5. Supports configuring patrol routes on the GIS map.

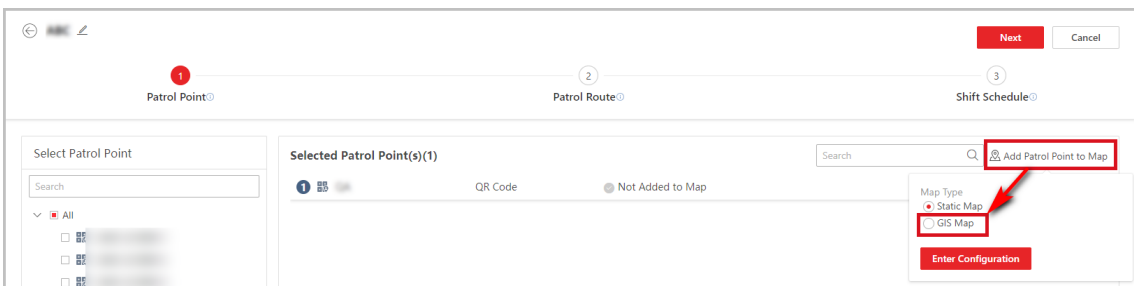


Figure 22-5 GIS Map

Chapter 23 [Improvement] Commercial Display Management

Updates related to the commercial display module on the Web Client are shown below.

Changes the module name from "Digital Signage" to "Commercial Display".

Centralized Device Control

1. On the Device Control page, supports adjusting the volume, brightness and signal source for interactive flat panels. Supports connecting to the device via remote desktop.
2. On the Create Combined Control Command page, supports creating combined control commands for devices such as startup/shutdown and playing control.

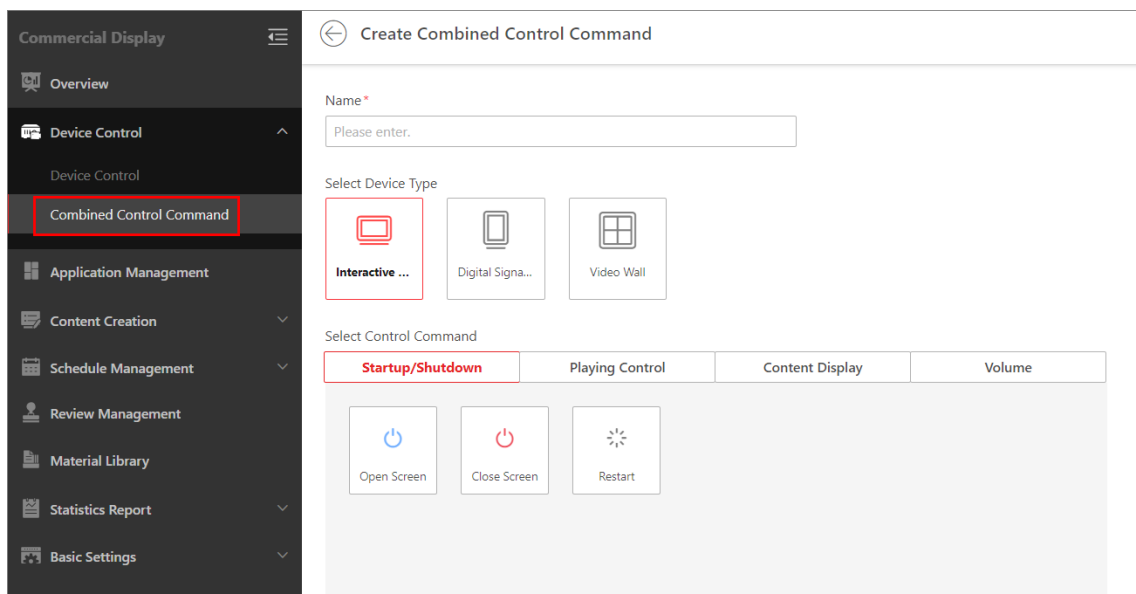


Figure 23-1 Create Combined Control Command

3. On the Application Management page, supports adding applications to the platform and applying them to the interactive flat panels. Supports managing applications on the devices.

Add Application [Close]

1 ————— 2

Upload Application Package **Select Device**

Upload Application Package*

Function Introduction

256

Next Save Cancel

Figure 23-2 Add Application

4. On the Flat Panel Usage Statistics page, supports viewing daily/weekly/monthly/customized usage statistics of interactive flat panels.

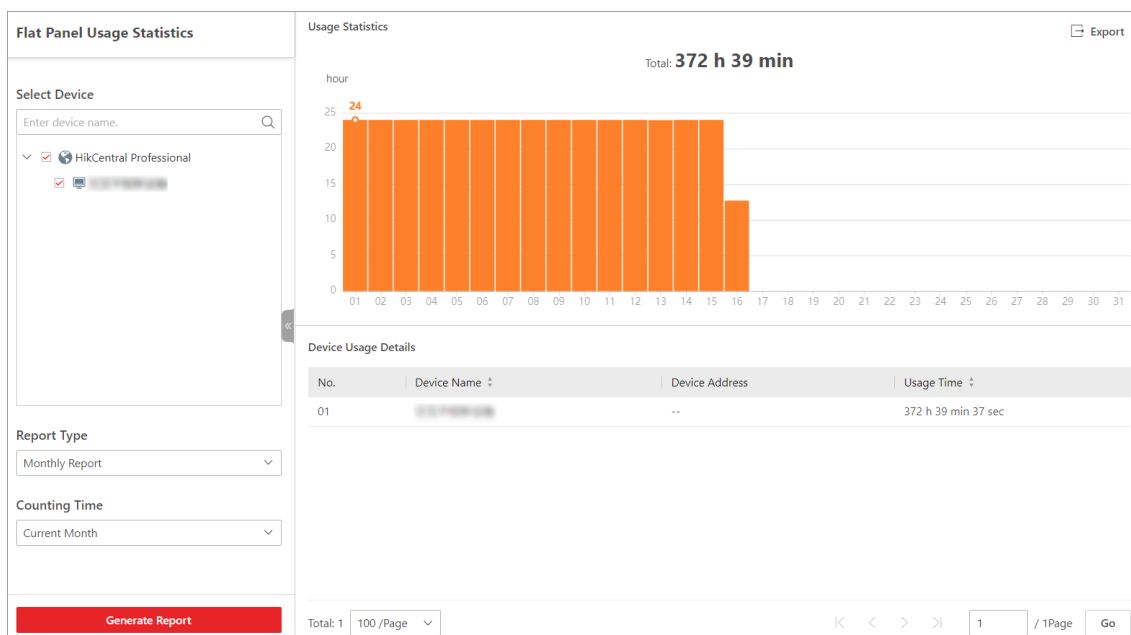


Figure 23-3 Monthly Flat Panel Usage Statistics

- On the Content Playing and Material Playing pages, supports setting conditions to search for content playing statistics and material playing statistics.

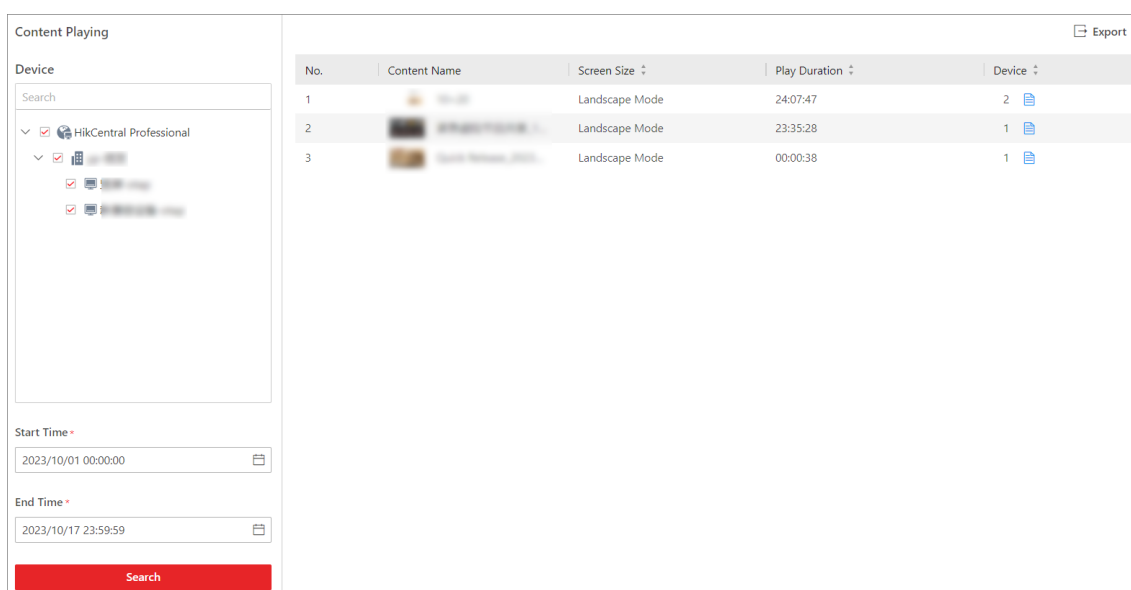


Figure 23-4 Content Playing Statistics

- On the Overview page, supports viewing and exporting the devices which have been offline for over 7 days.

Digital Signage

1. On the Quick Release page, supports quickly creating contents by uploading pictures and/or videos from local PC or material library and releasing them to the devices.

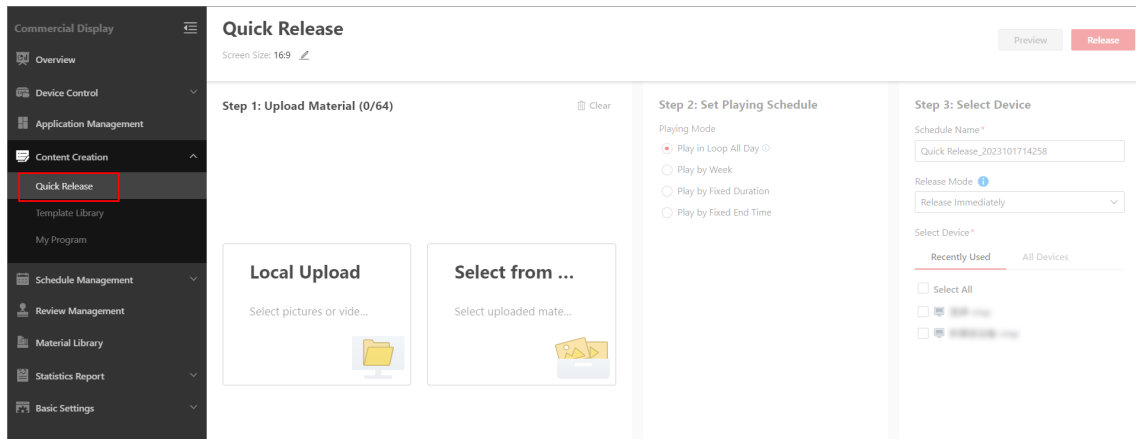


Figure 23-5 Quick Release

2. On the Template Library page, supports quickly creating contents by selecting the needed templates from the template library and releasing the contents to the devices.

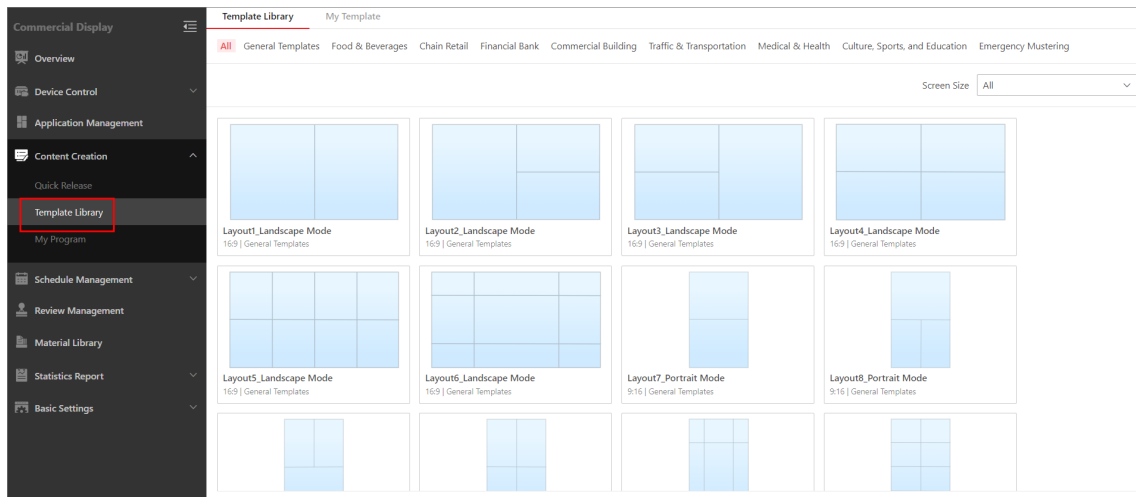


Figure 23-6 Template Library

3. On the Ordinary Schedule page, supports creating an ordinary schedule and releasing the schedule to the selected device(s).

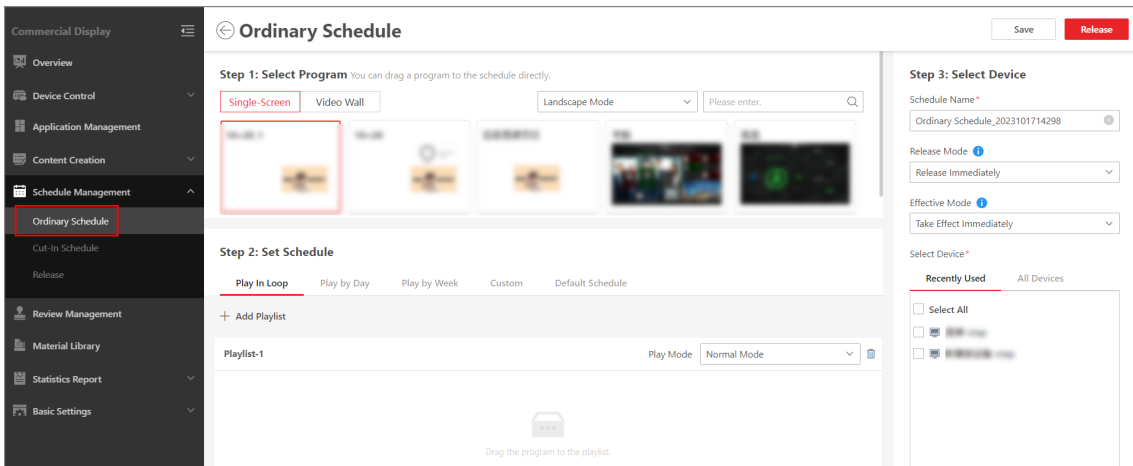


Figure 23-7 Ordinary Schedule

4. On the Cut-In Schedule page, supports creating a cut-in schedule and releasing the schedule to the selected device(s).

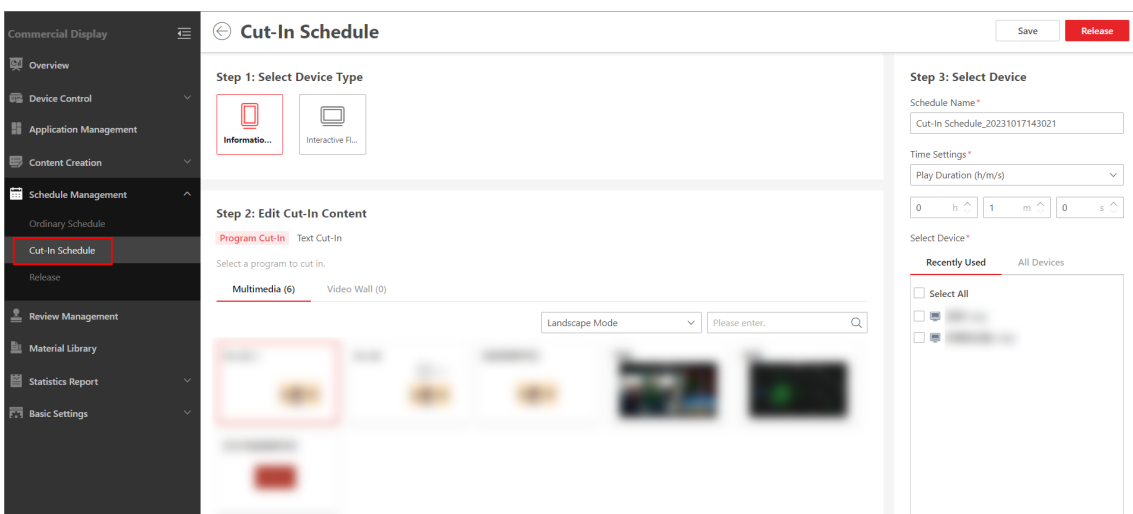


Figure 23-8 Cut-In Schedule

5. On the Material Library page, supports managing materials in My Favorites.

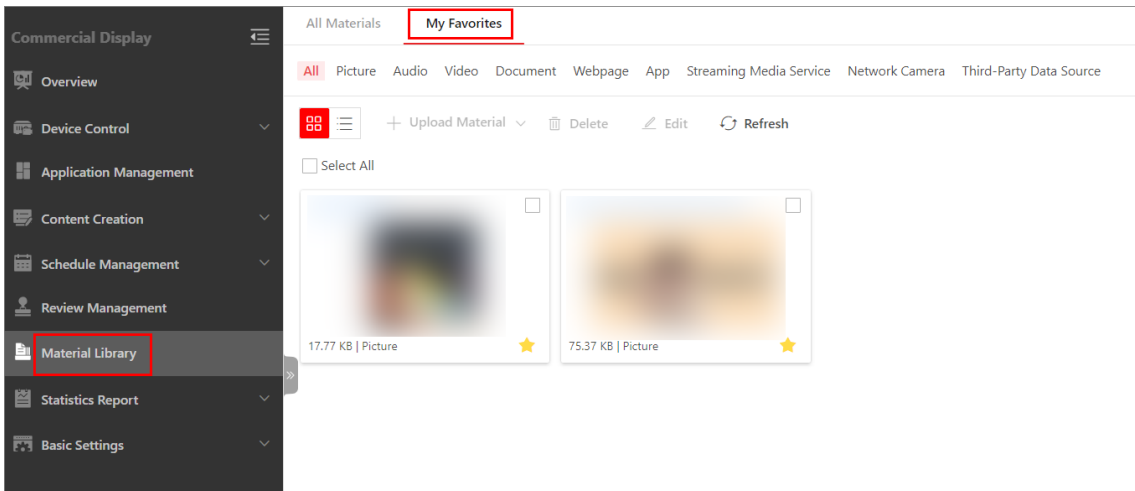


Figure 23-9 Manage Materials in My Favorites

6. Supports selecting a resource pool when setting the storage location as Local Storage or pStor.

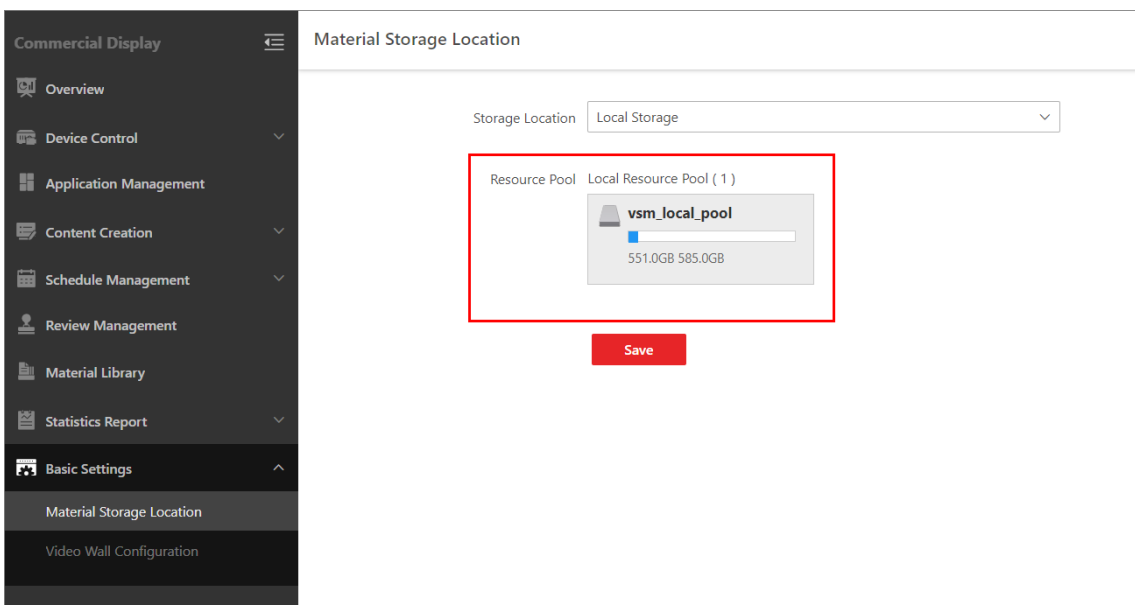


Figure 23-10 Select Resource Pool

Chapter 24 [Improvement] Smart Wall

Updates related to the smart wall module on the Control Client are shown below.

1. Supports specifying a window as an alarm window. Up to 4 windows can be set as alarm windows.

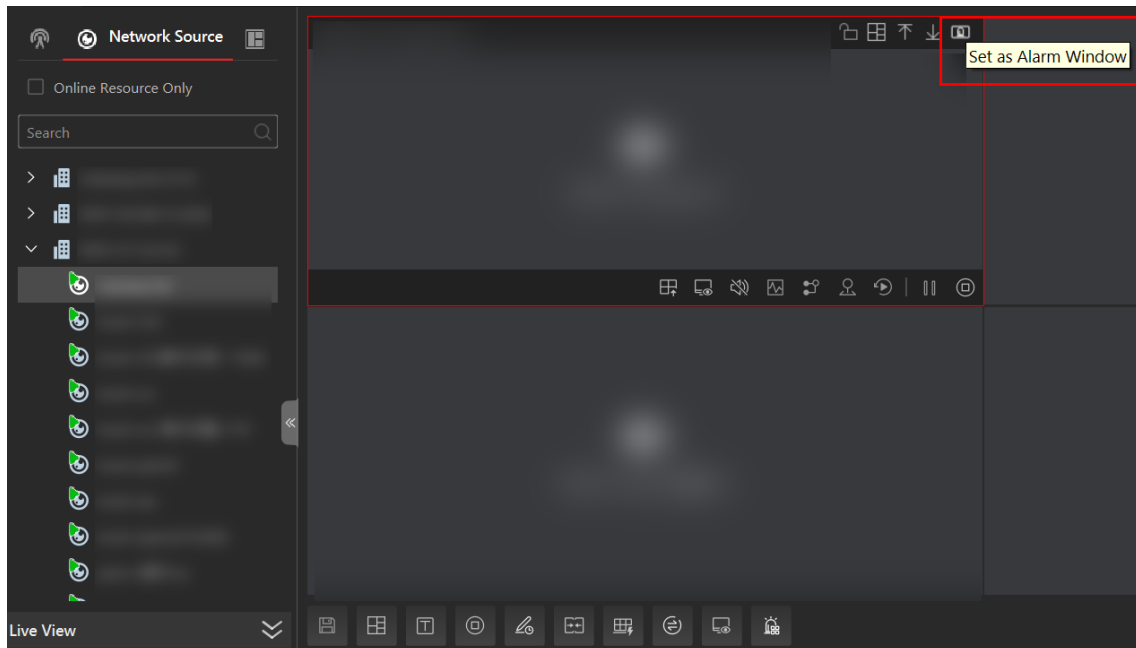


Figure 24-1 Set as Alarm Window

2. Supports setting the alarm display mode, including tile or auto-switch. When displaying the alarm in tile mode, supports setting the window division. When auto switching alarms in one window, supports setting the interval of auto-switch and viewing the auto-switch alarm list.

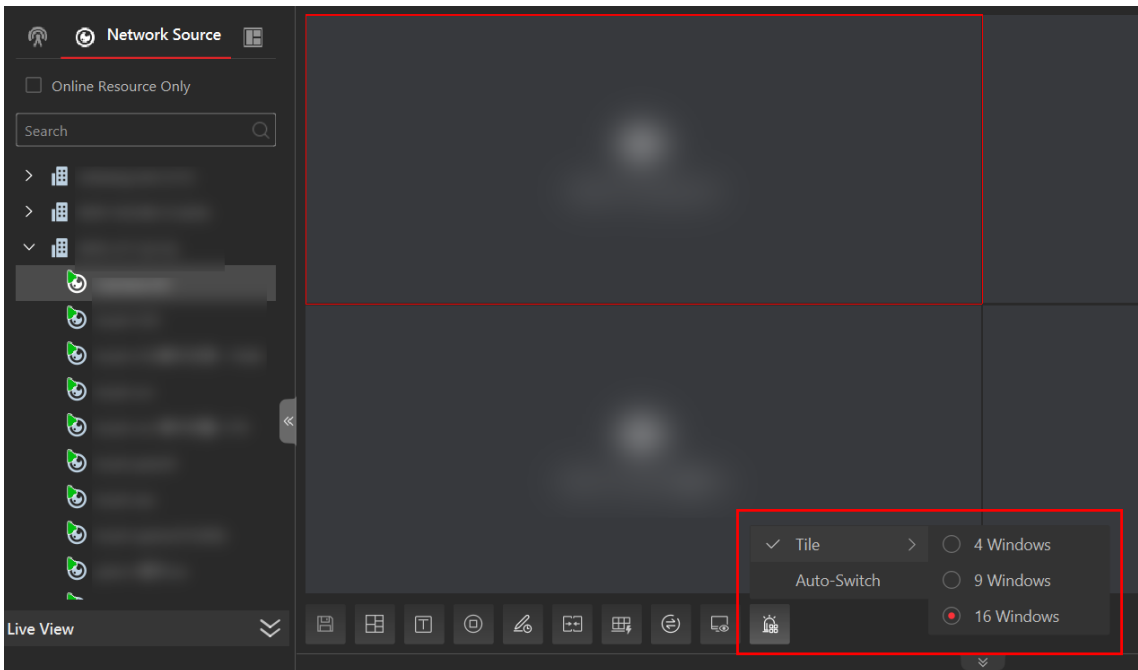


Figure 24-2 Set Alarm Display Mode

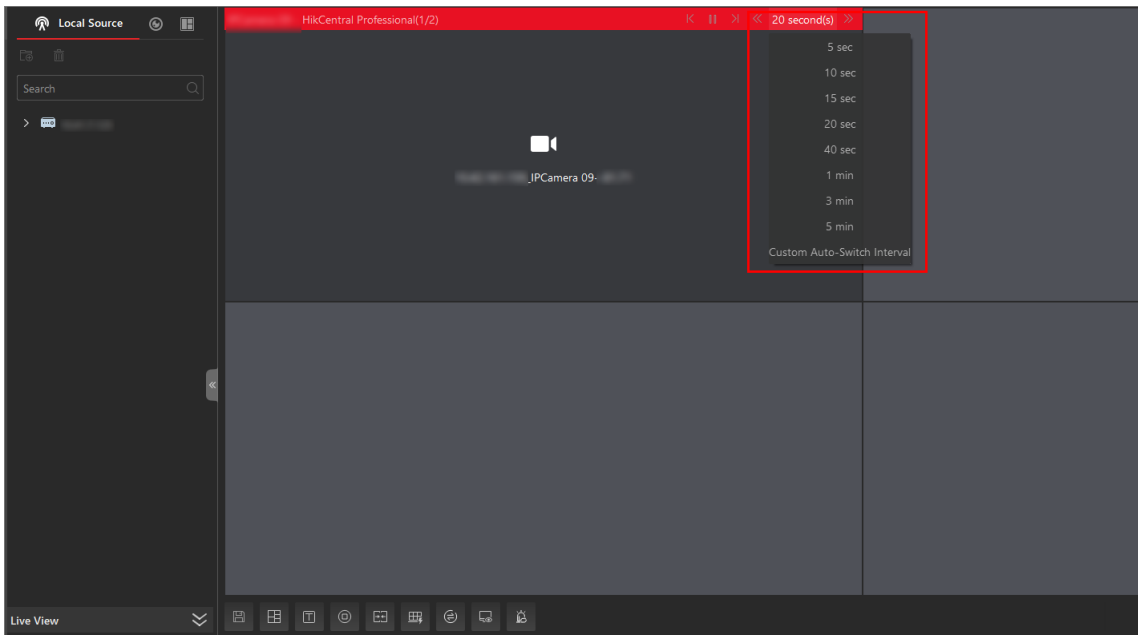


Figure 24-3 Auto-Switch Interval

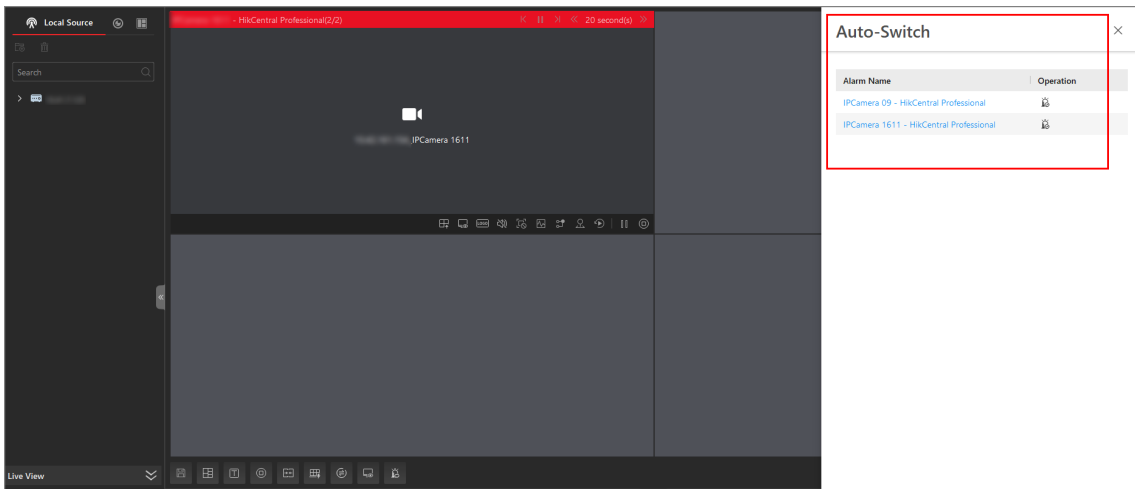


Figure 24-4 Auto-Switch Alarm List

3. Supports setting layout for LCD smart wall.

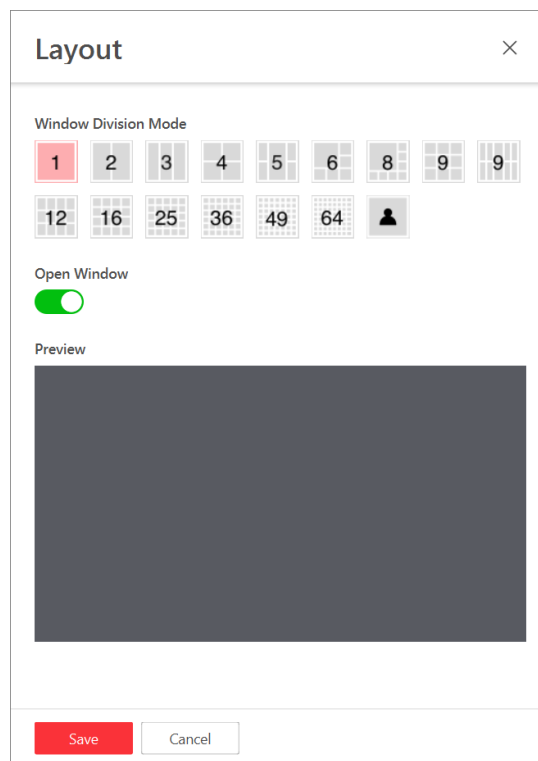


Figure 24-5 Set Layout

4. On the adding or editing view page, supports setting the storage location of the view.

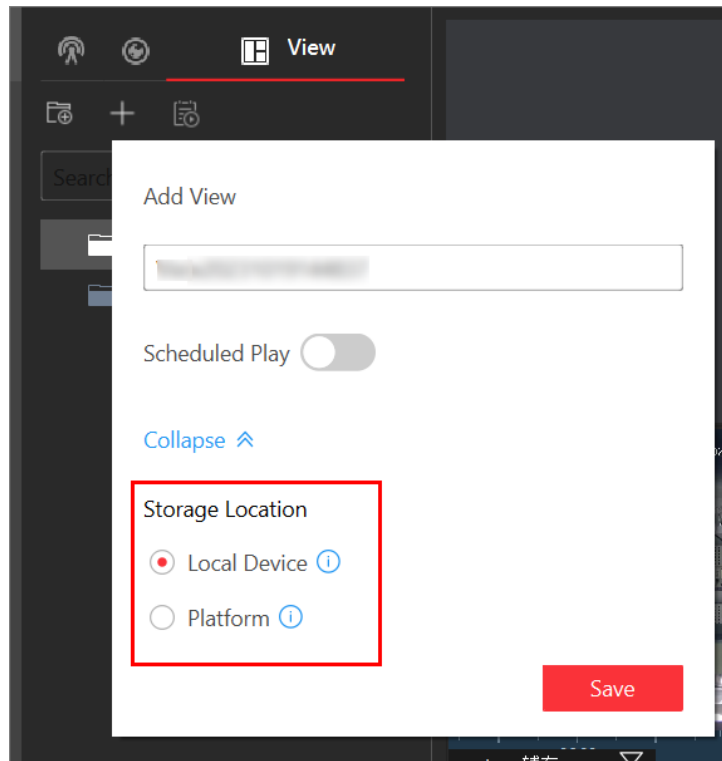


Figure 24-6 Set Storage Location of View

5. Changes the location of icons such as Save View, Clear Window, and Join Windows in the upper-right corner to the bottom-middle area.

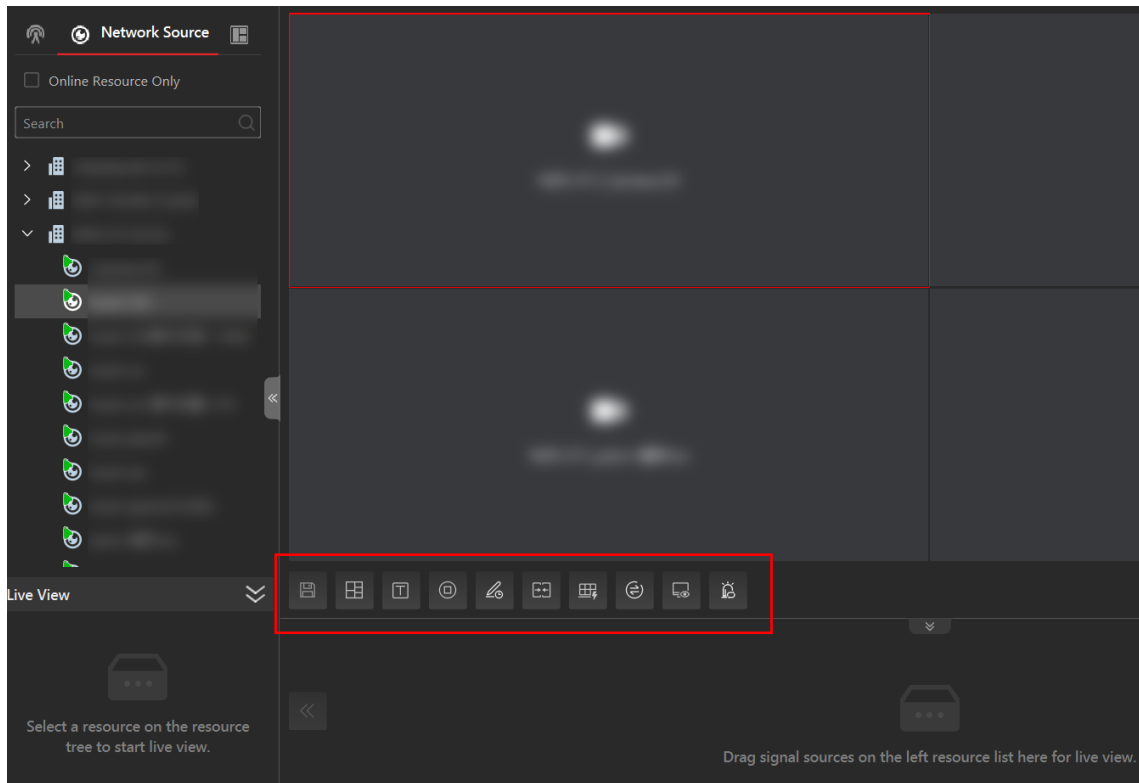


Figure 24-7 Icon Location

6. The later alarm will automatically replace the current alarm that is displayed on the smart wall.
7. Changes the characters "Device Signal Source" to "Local Source" and "Network Signal Source" to "Network Source".

Chapter 25 [Improvement] Audio Broadcast Management

The update related to the audio broadcast module is shown below.

(Web Client & Control Client) Supports listening to the broadcast content during configuring the live broadcast. During listening, supports adjusting the volume and stopping listening.

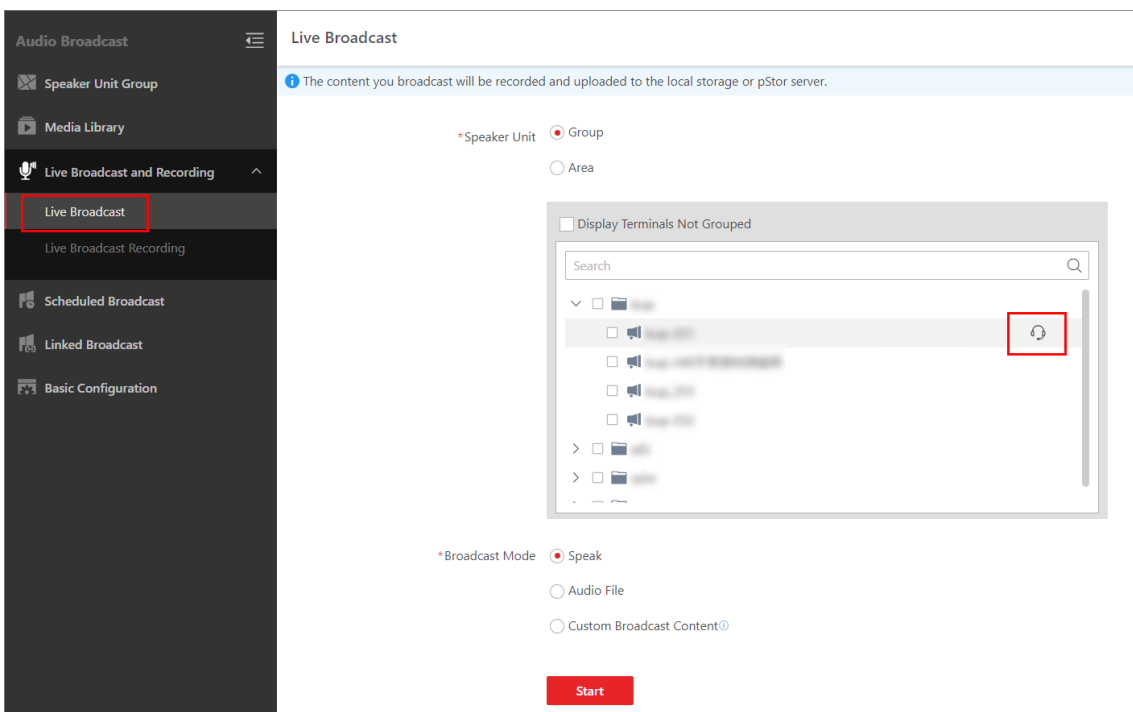


Figure 25-1 Listen to Broadcast Content

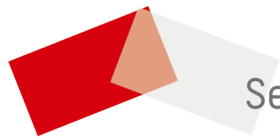
Note

This function should be supported by the device. Due to UI similarity, we only illustrate the related screenshot on the Web Client.

Chapter 26 [Improvement] OpenAPI

Updates related to OpenAPI are shown below.

1. Adds an API for approving or rejecting submitted visitor reservation: **POST /artemis/api/visitor/v1/visitorapprovalflow/status**.
2. Adds an API for downloading pictures and videos from on-board monitoring event search or notification pushing: **POST /artemis/api/mobilesurveillance/v1/picture_download**.
3. Extends the request message for **POST /artemis/api/visitor/v1/auth/reapplication**: adds 3 optional parameters **ImmediateDownload**, **personIds**, and **doorIndexCodes**.
4. Extends the request message for **POST /artemis/api/frs/v1/application/picture**: extends the parameter **isHumanSearchPic** and adds an optional parameter **encodeDeviceCode**.
5. Extends the request and response message for **POST /artemis/api/visitor/v1/appointment** and **POST /artemis/api/visitor/v1/registerment**: Adds a required request parameter **watchListInfo** and an optional response parameter **qrCodeImage**.
6. Extends the request message for **POST /artemis/api/visitor/v1/appointment/update** and **POST /artemis/api/visitor/v1/registerment/update**: Extends the request parameter **visitorInfoList**, adds an object description **accessInfo** accordingly.
7. Extends the request and response message for **POST /artemis/api/visitor/v2/appointment**: Adds 2 optional request parameter **accessInfo** and **watchListInfo**, and an optional response parameter **qrCodeImage**.
8. Extends the request message for **POST /artemis/api/visitor/v2/appointment/update**: Adds an optional request parameter **accessInfo**.
9. Extends the response message for **POST /artemis/api/visitor/v1/appointment/appointmentlist**: Extends the response parameter **list**, adds an object description **accessInfo** accordingly.
10. For **POST /artemis/api/video/v1/cameras/playbackURLs**: adds more API descriptions; extends the request message: adds 2 optional parameters **mergeSegment** and **storageLocation**; for the response parameter **data**, extends parameters in **PlaybackUrlVideoInfo** and **VideoInfo** accordingly.
11. Extends the request message for **POST /artemis/api/body/v1/application/pictureRecognition**, **POST /artemis/api/body/v1/application/pictureModel**, **POST /artemis/api/body/v1/application/captureSearch**, **POST /artemis/api/frs/v1/application/pictureRecognitionModel**, and **POST /artemis/api/frs/v1/application/captureSearch**: adds a required parameter **protocolType** and an optional parameter **encodeDeviceIndexCode**.



See Far, Go Further