



# **HikCentral Professional V2.2.0**

**Release Notes**

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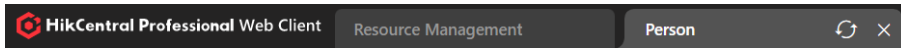
# Introduction

HikCentral Professional is a software platform provided by Hikvision for integrating and managing security systems. It is designed to meet a variety of security challenges on a single platform. With HikCentral Professional, you can manage multiple individual systems with ease, such as video security, access control, security alarms, and more, as well as explore cross-system functionalities. Daily operations become more efficient while protection of people and property improve all around. Users of all kinds are making smarter decisions.

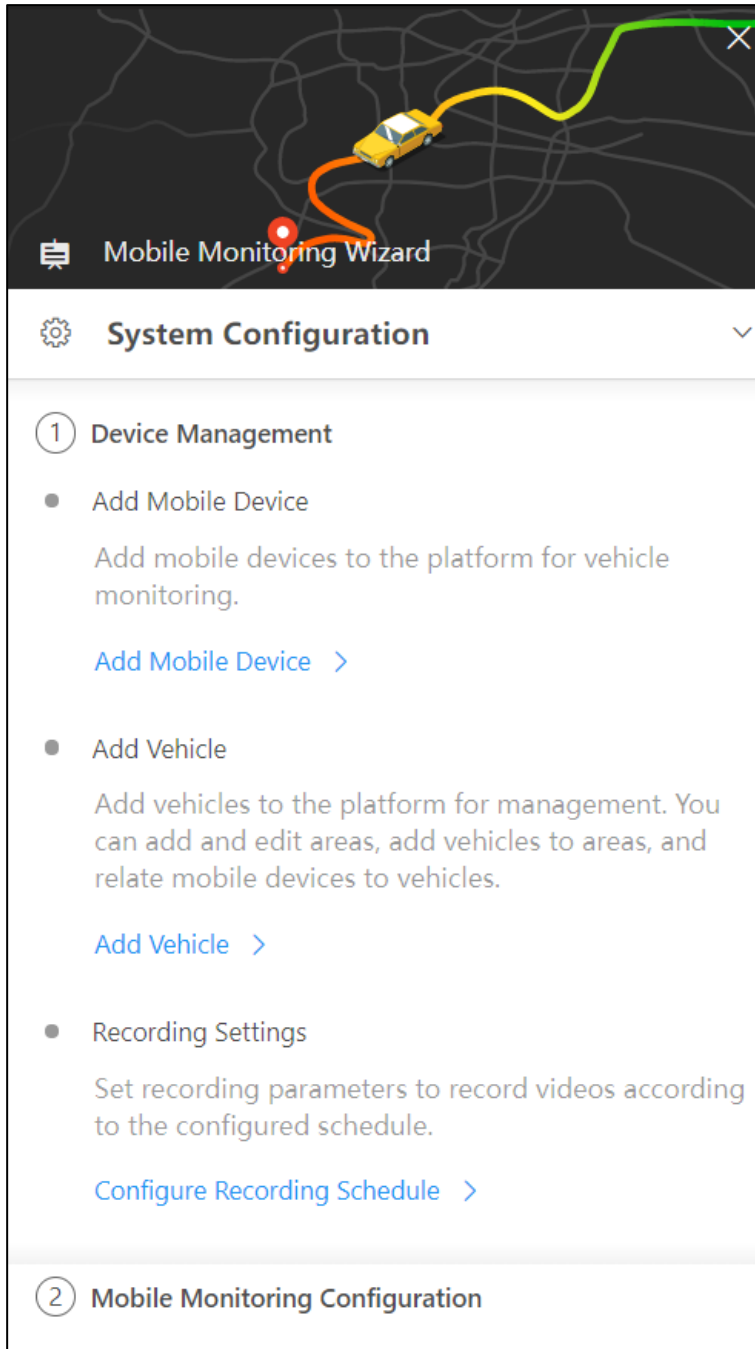
# Main Updated Features

## General

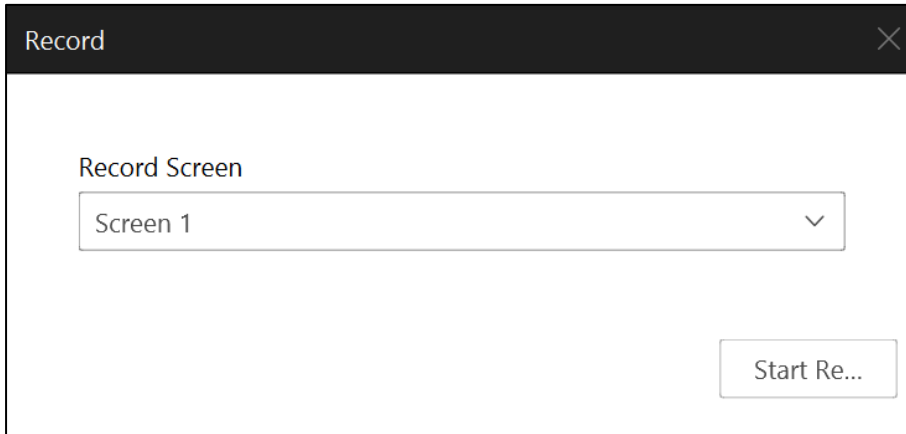
- 1 . On the Web Client, added module tabs at the top for quick switch.



- 2 . On the Web Client, added a mobile monitoring wizard.

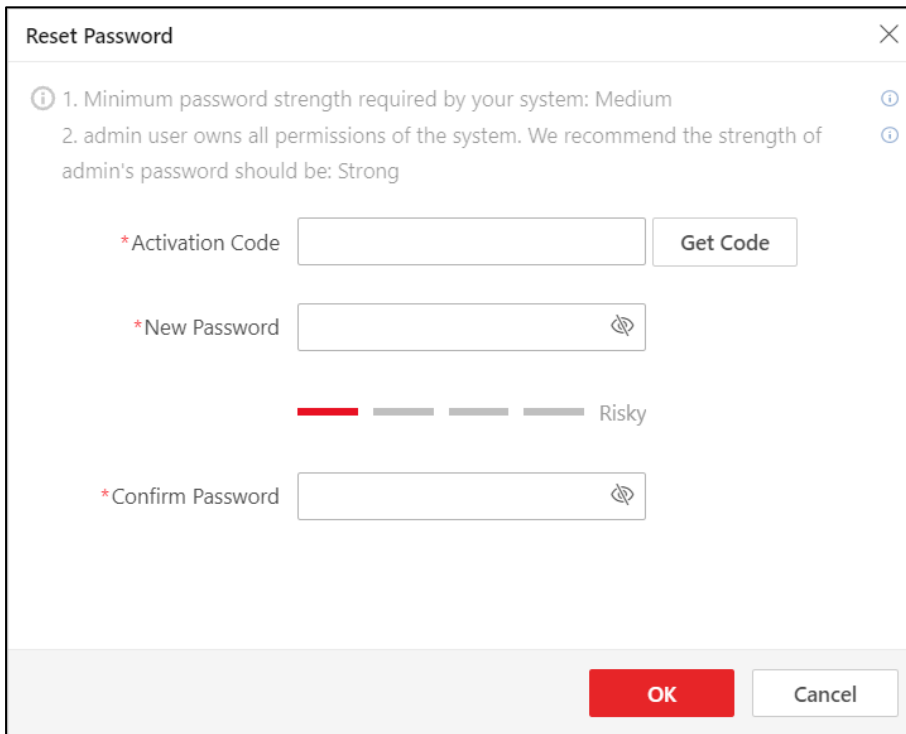


- 3 . On the Control Client, added the function of screen recording.



## License Management

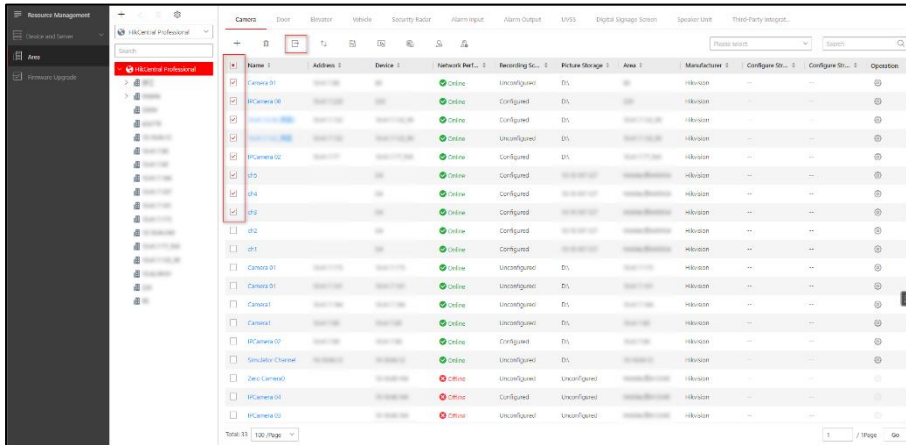
- 1 . Supports getting the activation code via the email of *admin* user.



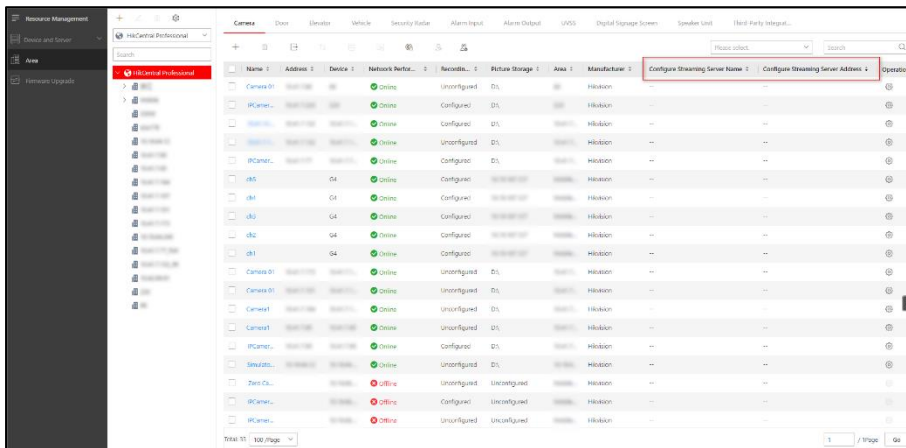
## Resource Management

1. Supports adding network cameras and access control devices via IPv6 address. (Supports adding only the two devices via IPv6 address and only via Hikvision Private Protocol.)
2. Supports adding streaming servers and cloud storage servers via IPv6 address. (Other servers including security audit servers, DeepinMind servers, CVRs, SACs, and pStors are not supported due to limitations of the servers.)
3. Supports accessing the platform, OpenAPIs, remote sites, control client, web client, and mobile client via IPv6 address. (Searching devices added via IPv6 address is not supported by SADP. Devices accessing the platform via Open Video Network Interface protocol cannot be added via IPv6 address.)

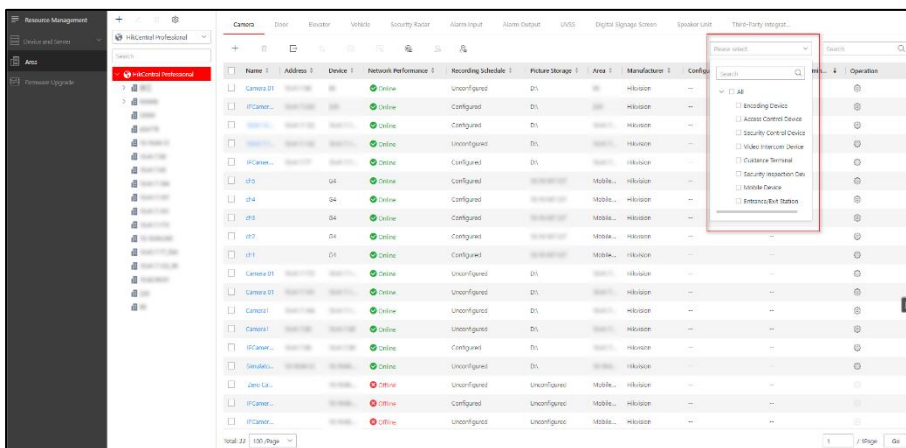
- Supports live view and playback of devices added via IPv6 and Hikvision Private Protocol.
- Supports exporting the camera list which contains the site name.



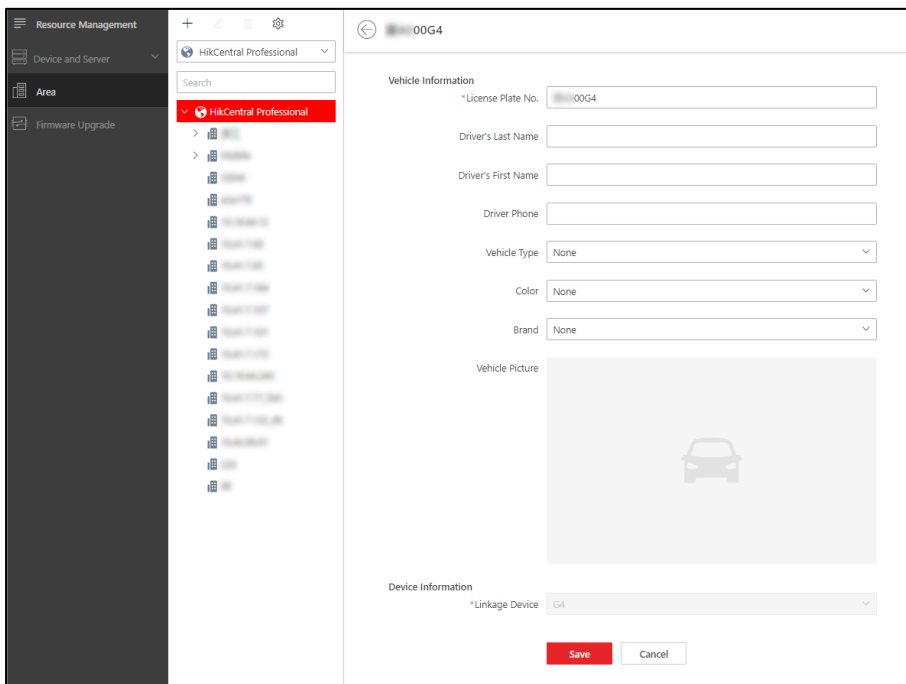
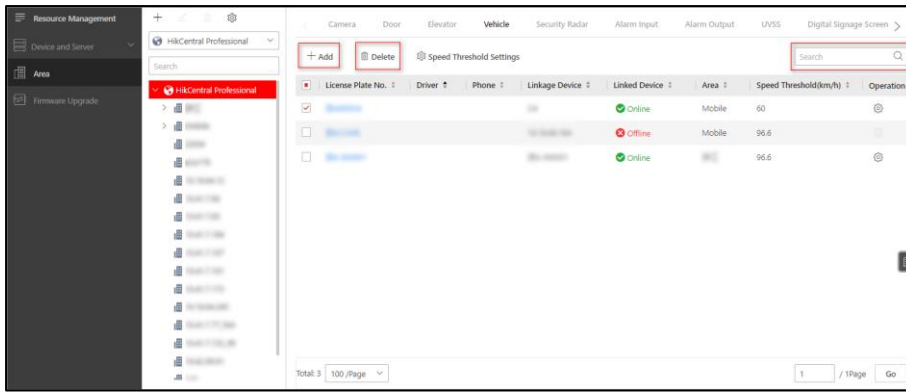
- Supports displaying information about the streaming server on the camera list.



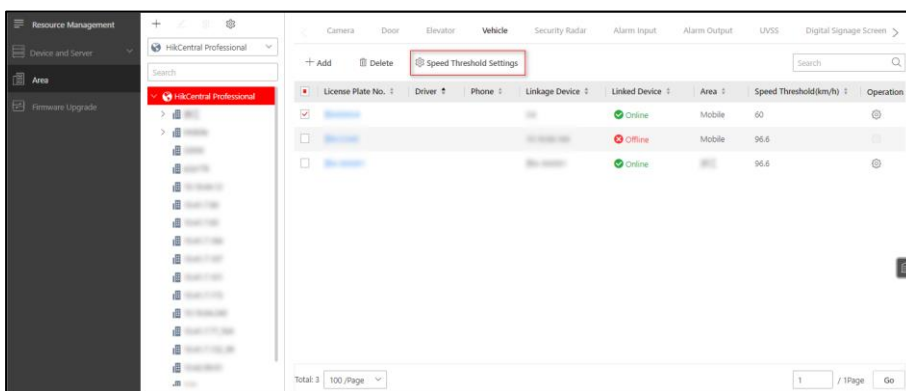
- Supports filtering cameras by device type.



- Supports adding, deleting, searching vehicles, and editing vehicle information.

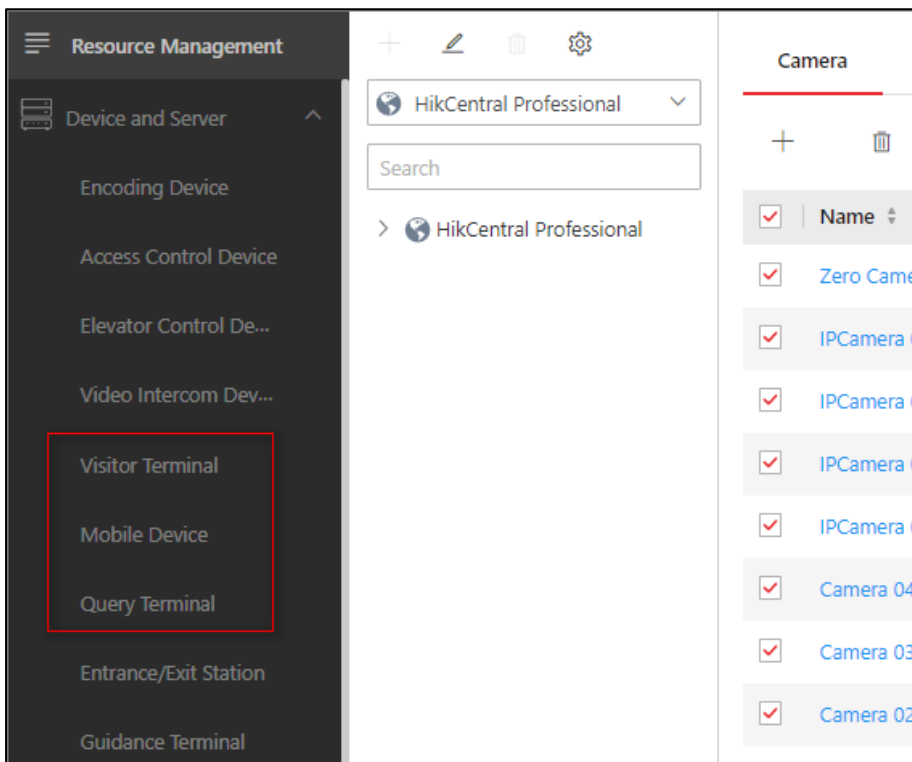


9. Supports configuring the vehicle speed threshold.

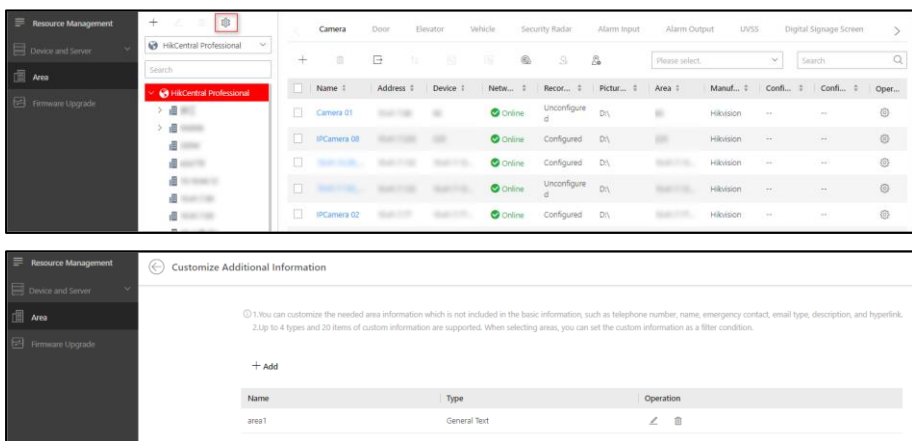


10. Supports adding mobile devices, body cameras, query terminals, and entrance/exit stations.





11. Supports customizing additional area information.



12. Supports getting and manually setting the time zone of the dock station.

**Resource Management**

- Video Intercom Dev...
- Visitor Terminal
- Mobile Device
- Query Terminal
- Entrance/Exit Station
- Guidance Terminal
- Guidance Screen
- UVSS
- Security Control De...
- Dock Station**
- Digital Signage Ter...
- Smart Wall
- IP Speaker
- Security Inspection ...
- Network Transmissi...
- Recording Server
- Streaming Server
- DeepinMind Server
- Security Audit Server

**Add Dock Station**

**Basic Information**


Adding Mode  IP Address  
 IP Segment  
 Port Segment  
 Batch Import

\*Device Address

\*HTTP Port

\*Device Name

\*User Name

\*Password   Risky

**Time Zone**

Device Time Zone  Get Device's Time Zone  
 Manually Set Time Zone (The time zone settings will be applied to the d...)

**Storage Information**

File Storage

**Add** **Add and Continue** **Cancel**

## Person Management

- 1 . Supports exporting the person additional information, including linked access levels and linked shift schedules.

**Export Settings** [X]

**Export Additional Information**

Select Additional Information

Linked Access Levels       Linked Shift Schedules

**Password Settings**

Password [ ] [🔒]

Confirm Password [ ] [🔒]

ⓘ All the persons displayed according to the display rules will be exported.

**Export**

- 2 . Supports importing person information even if the optional fields are not configured.
- 3 . Supports configuring a person ID rule.

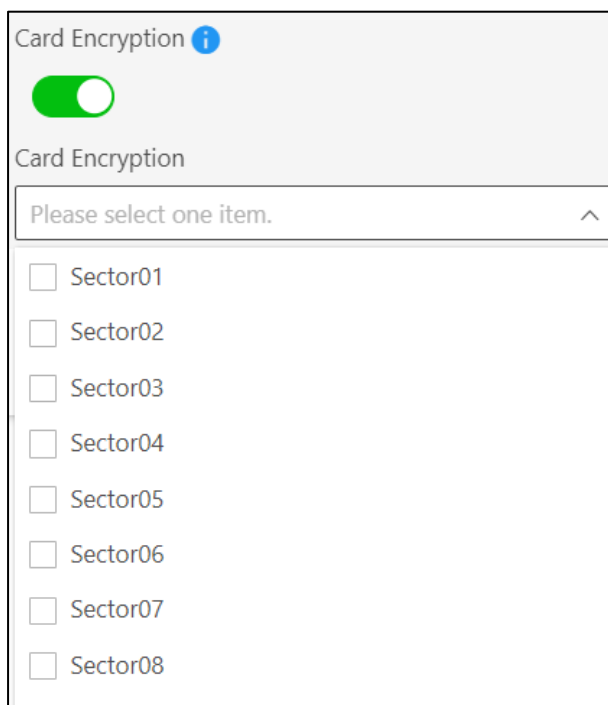
Prefix No. [ Enter 1 to 3 characters. ]

Total Length [ 10 ] [ ^ ] [ v ]

Random

**OK**

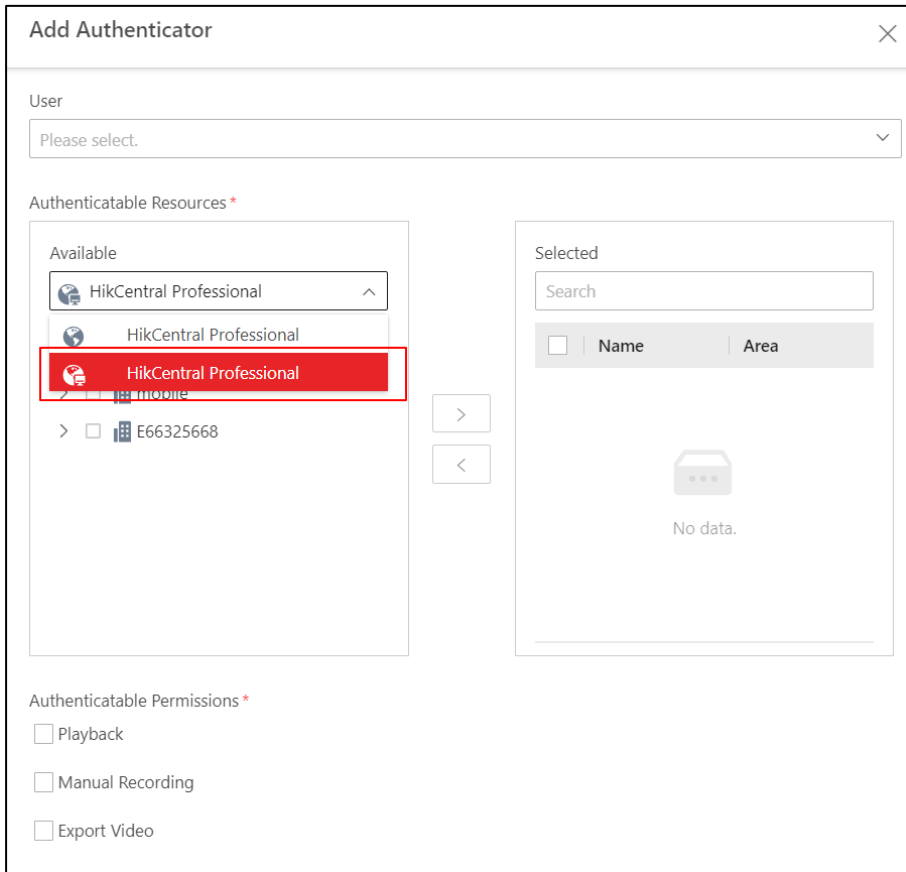
- 4 . Supports encrypting sections when issuing card via card enrollment stations and enrollment stations.



- 5 . Supports deleting the sensitive private information by person.

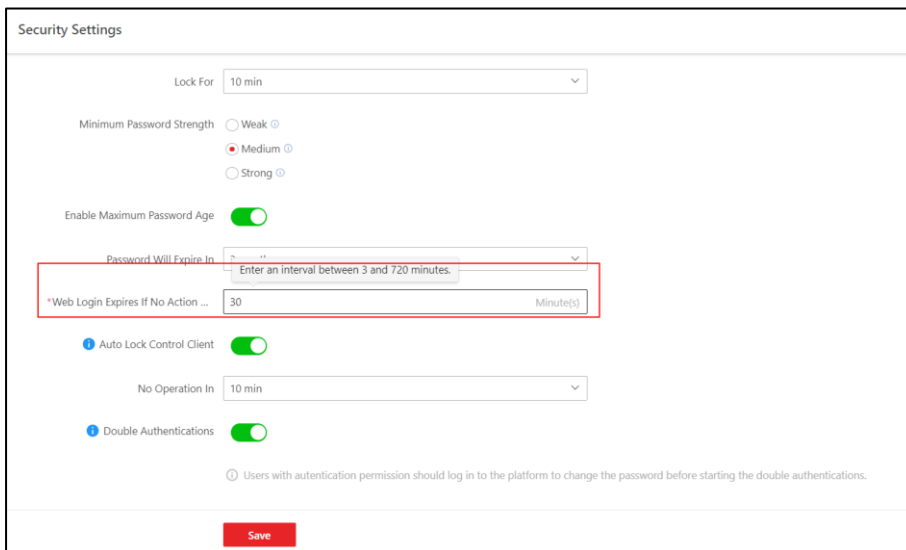
## Role and User

1. Supports synchronizing the domain user information by schedule and the user status will be displayed if the domain user is deleted from the AD domain.
2. Supports setting double-authentications for resources on the remote site.



## System Security

Supports setting minutes after which the web login will expire if there is no actions during the configured minutes (range from 3 to 720 minutes).



## Video Management

1. On the Web Client, supports adding devices via IPv6 address.

← Add Encoding Device

**Basic Information**

Access Protocol: Hikvision Private Protocol  
ⓘ Device accessing the platform via Open Network Video Interface protocol is not

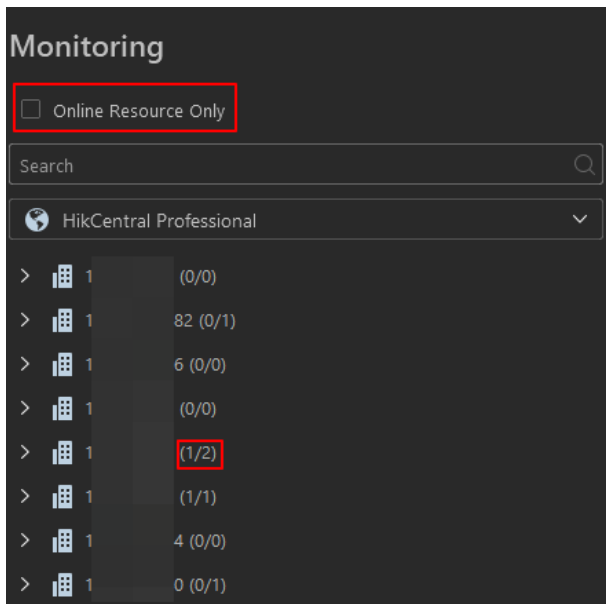
Adding Mode:  IP Address/Domain  
 Hik-Connect DDNS ⓘ  
 IP Segment  
 Port Segment  
 Batch Import

\*Device Address:

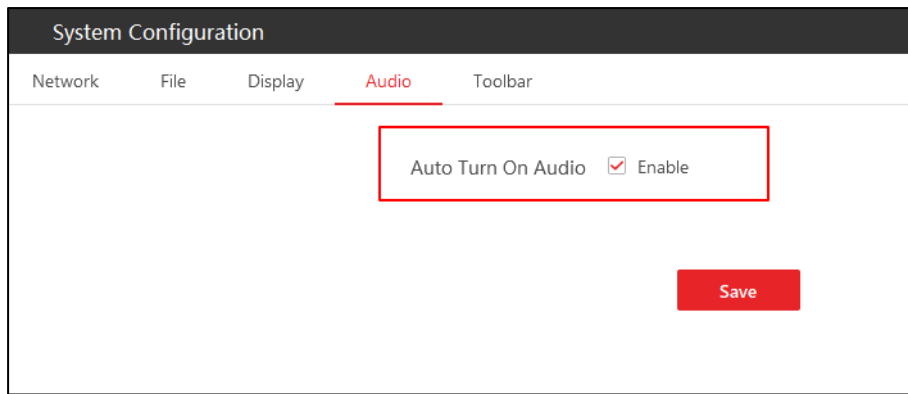
Add via TLS Protocol

\*Device Port: 8000

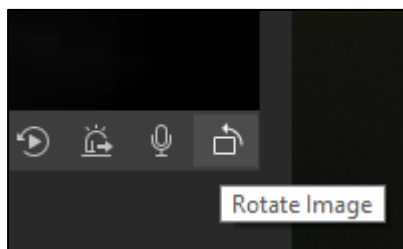
2. Supports adding body cameras. Supports live view and playback via body cameras. Supports locating or canceling locating body cameras on a map.
3. Supports displaying the number of online/total resources on the resource tree. Supports only viewing online resources. Supports fuzzy search.



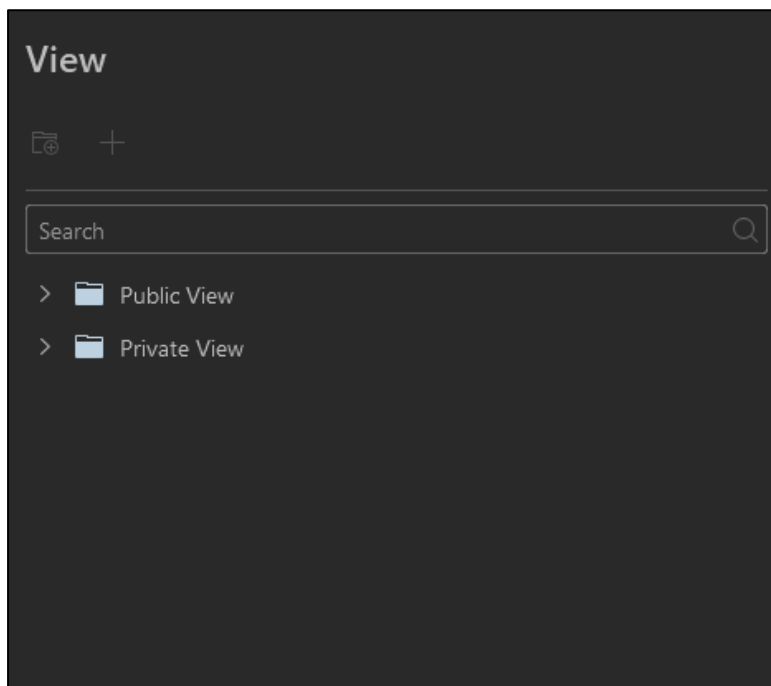
4. Supports configuring whether to enable Auto Turn On Video.



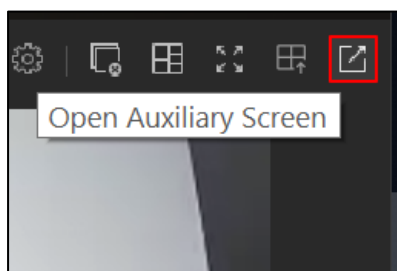
- 5. Supports rotating images during live view and playback.



- 6. Optimized view management page.

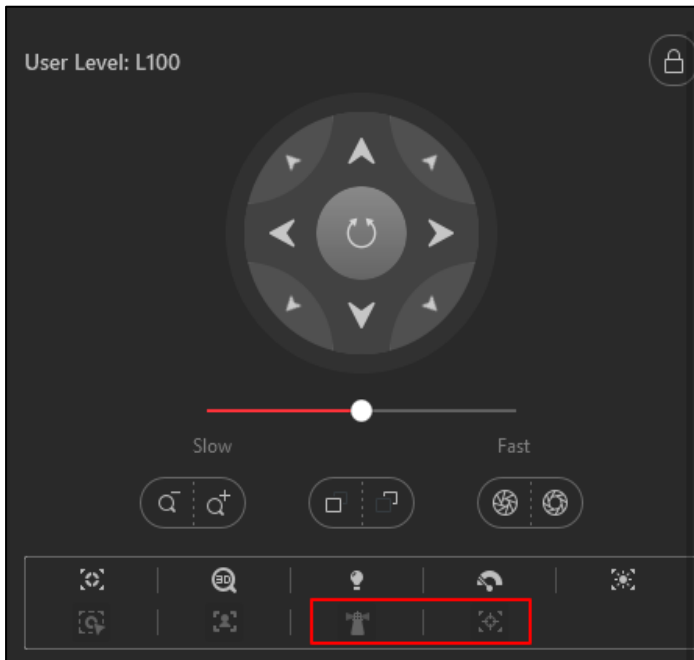


- 7. Supports opening an auxiliary screen during live view or playback.



- 8. Supports enabling Automatic Network Replenishment for NVRs.

- 9. Supports PTZ auto-track and park action.

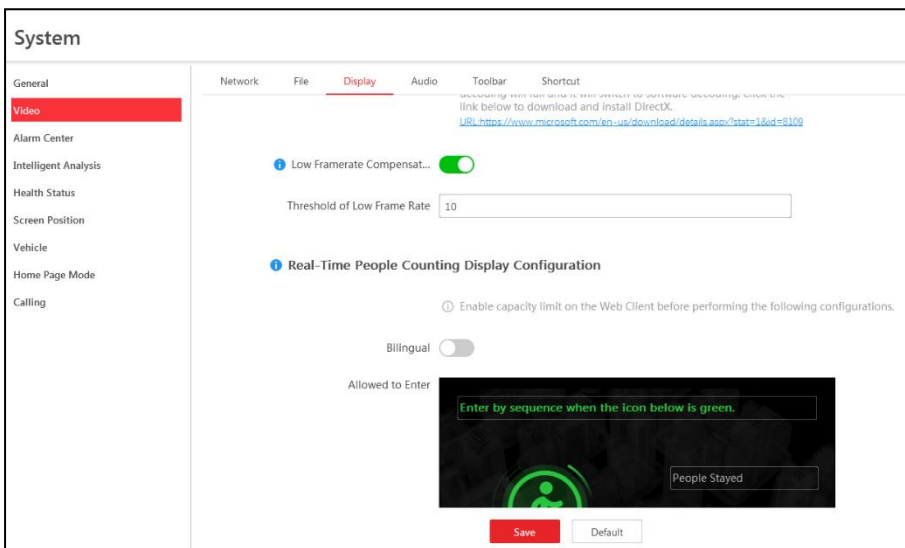


- 10. Added logs about the records of live view and playback on Web Client.
- 11. Supports viewing real-time streaming gateway status on the Health Monitoring page.

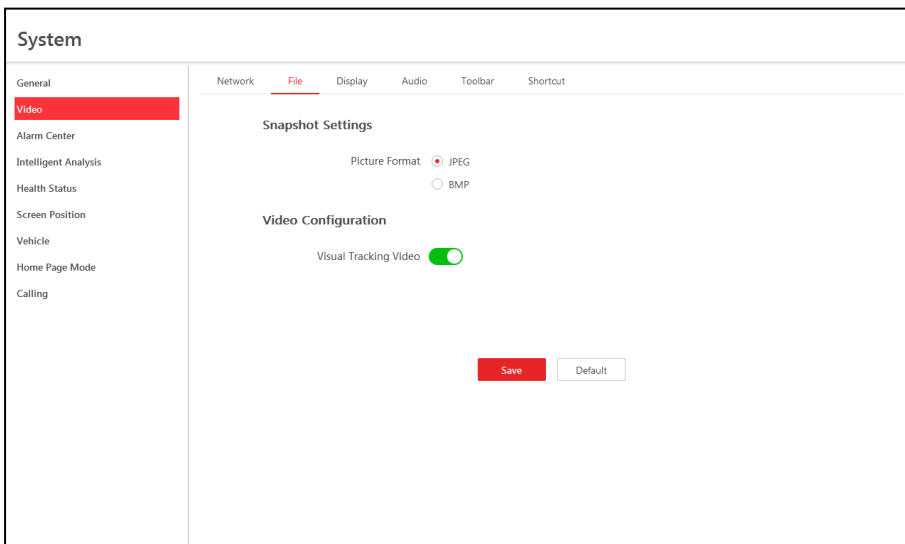


- 12. Supports enabling Low Framerate Compensation for visual tracking.

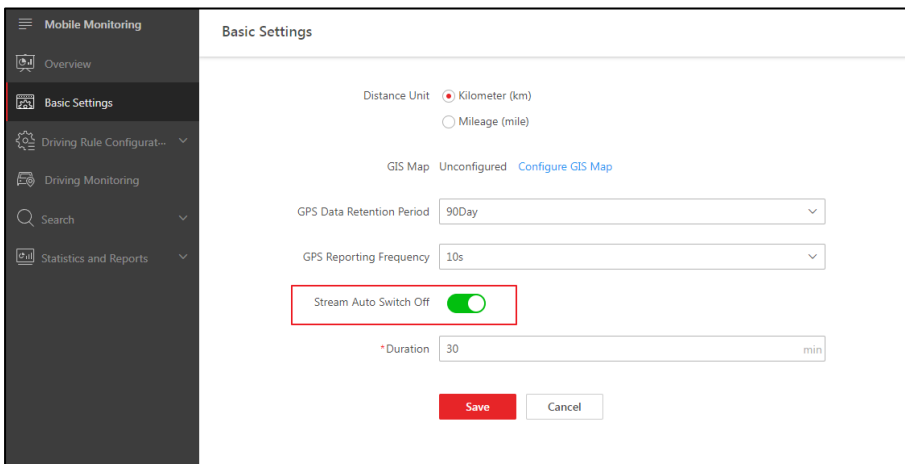




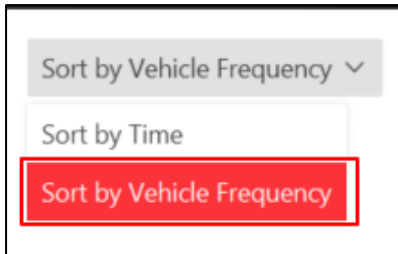
13. Supports enabling Visual Tracking Video to automatically start to record videos after starting visual tracking.



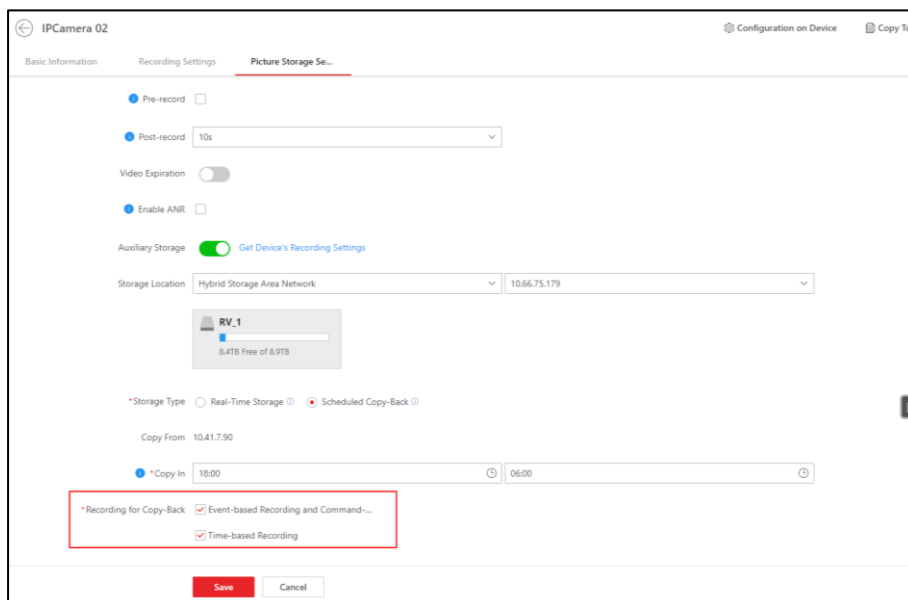
14. Supports enabling/disabling Stream Auto Switch Off.



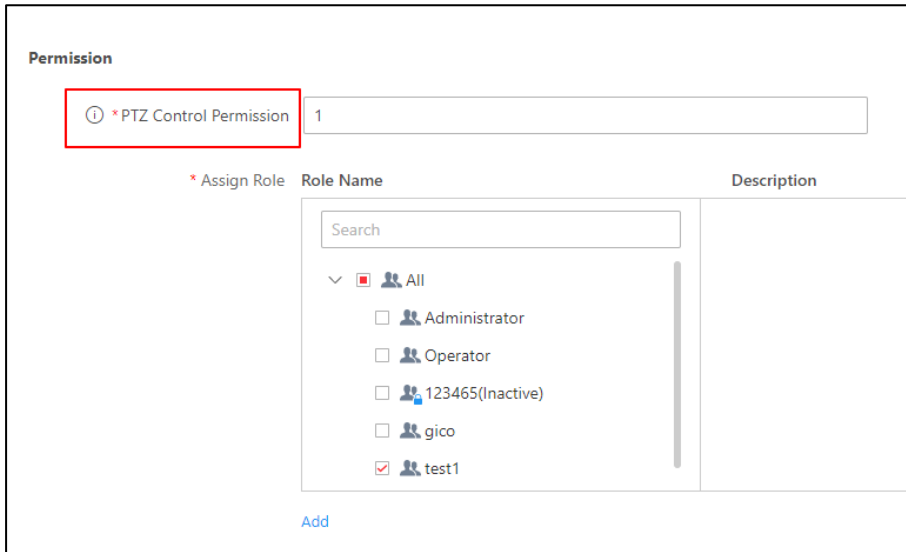
- 15. Supports naming exported videos as area name plus camera name. For example, if you download a video recorded by Camera 01 in the area 10.10.10.1, the video will be named as Camera 01\_10.10.10.1.
- 16. Supports sorting vehicle search results by vehicle frequency.



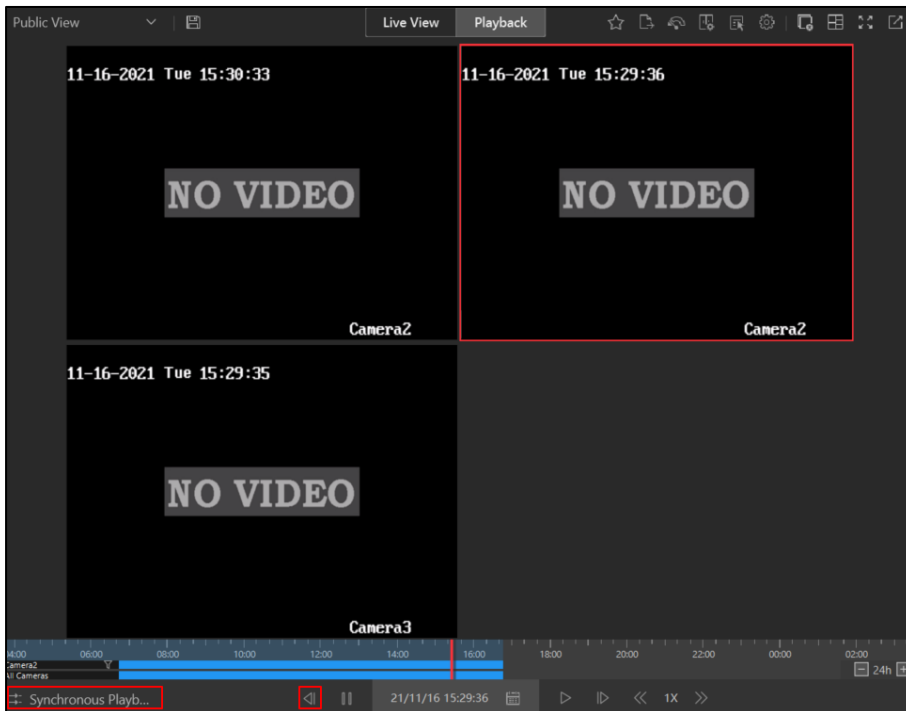
- 17. For single-channel playback, supports zooming in images during normal/reverse single-frame playback.
- 18. Supports configuring recording methods for copying back to CVRs.



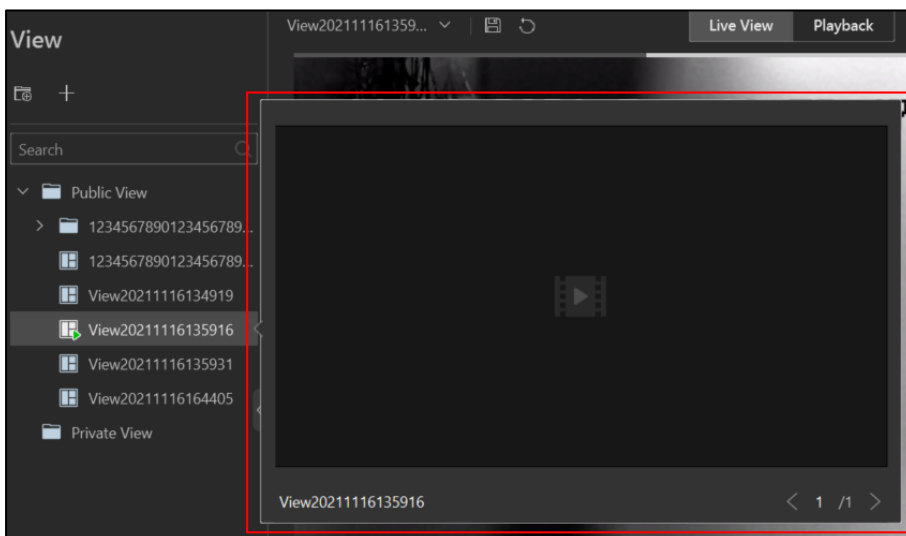
- 19. Supports setting PTZ permission levels for multiple users.



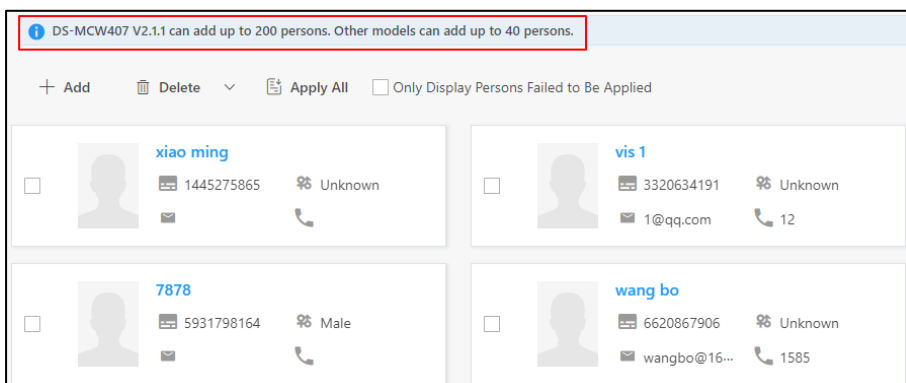
20. Supports a maximum of 16 channels for normal/reverse synchronous playback.



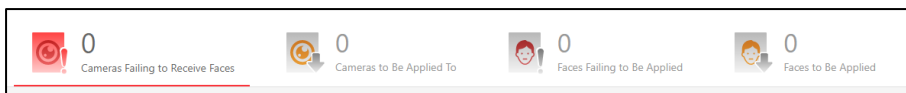
21. Supports editing views and previewing views in thumbnail.



22. Now a maximum of 200 persons can be added to a dock station compared with 20 persons before.

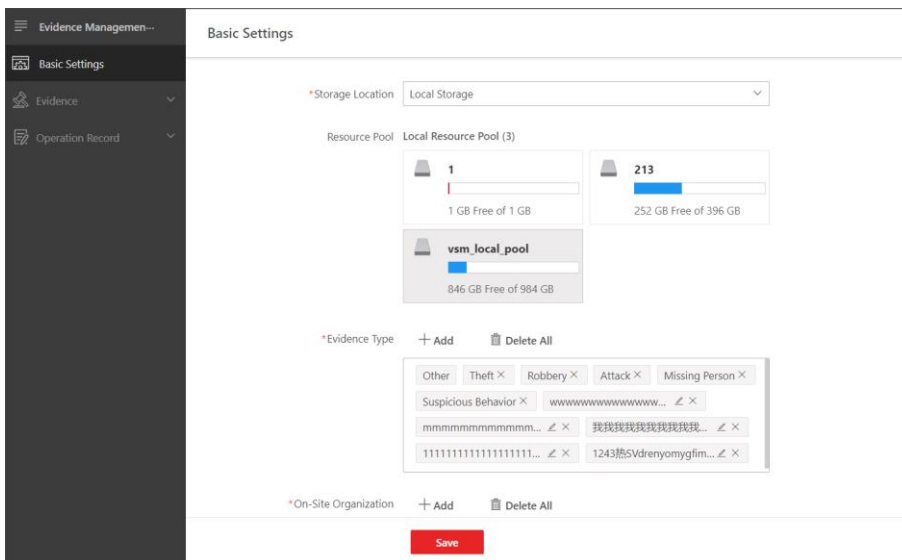


23. Supports applying faces to dock stations. Supports reapplying faces when applying failed in Applying Center.

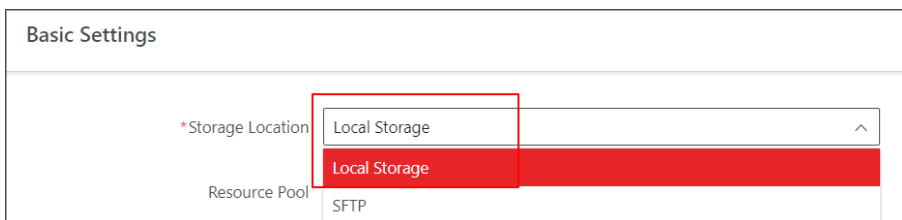


## Evidence Management

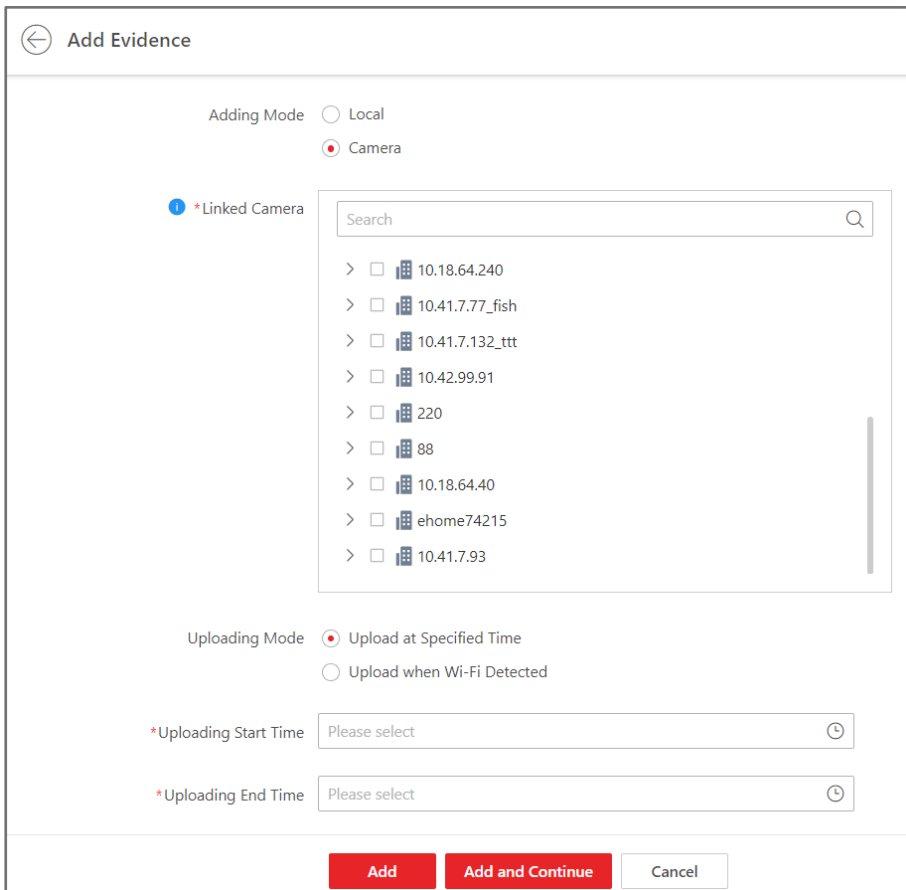
1. Added the Evidence Management module.



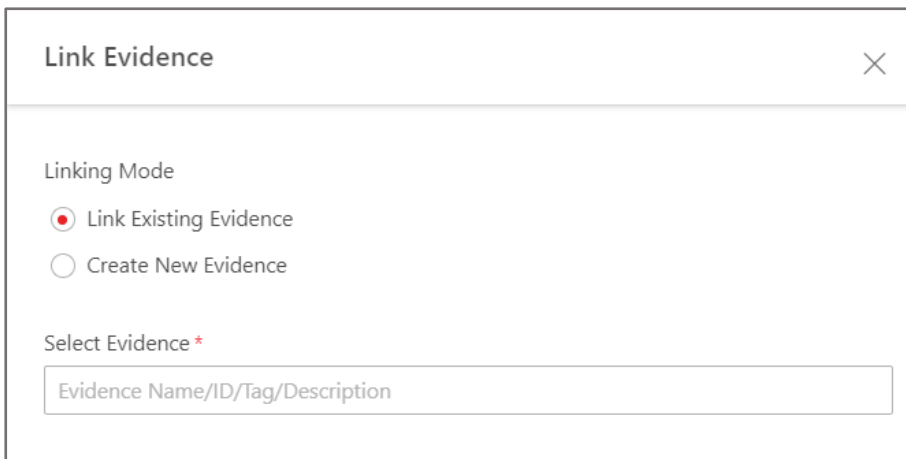
- 2. Supports setting the SYS as the evidence management server.



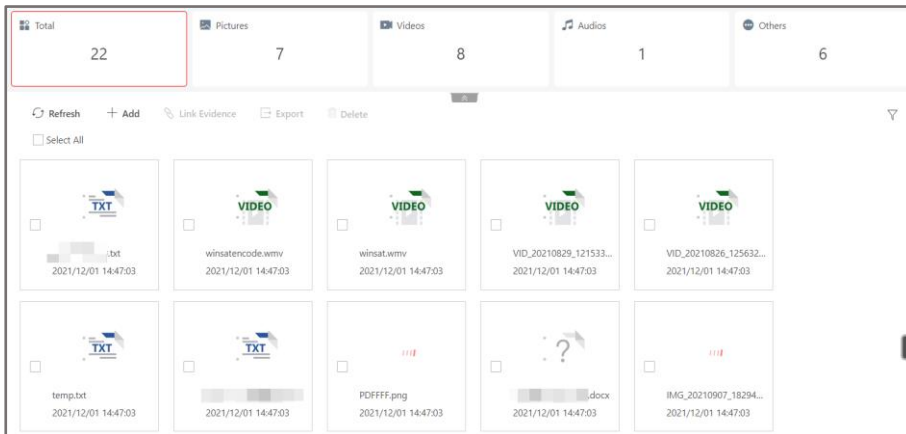
- 3. Supports adding evidence via the Mobile Client, Web Client, and Control Client.
- 4. Supports uploading the unlinked evidence file(s) from related cameras.



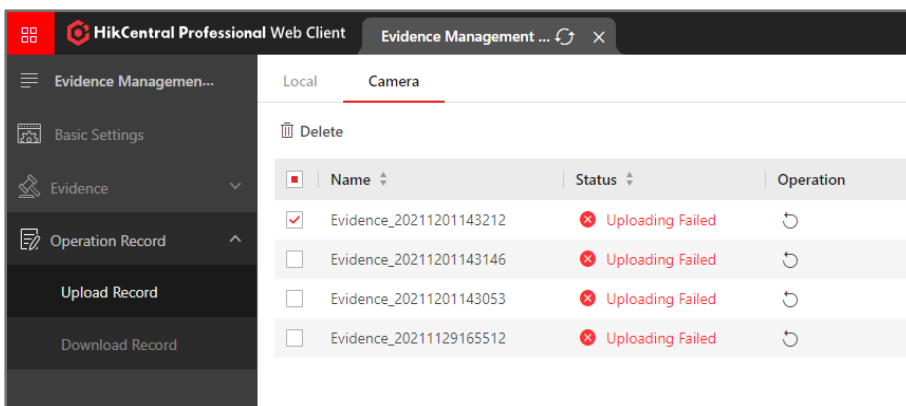
5. Supports multiple evidence files: pictures, videos, audios, and others (files in the format of Excel, CSV, PDF, etc.).
6. Supports adding evidence and linking it with the uploaded file.



7. Supports saving pictures, videos, audios, and other files as the evidence.
8. Supports the overview of unlinked evidence files, and searching, deleting, or exporting the unlinked evidence file(s).



9. Support managing the uploading progress of the unlinked evidence file.
10. Support managing evidence operation records.



## Event and Alarm

1. Added two transport types of generic events: HTTP and HTTPS.

← Add Generic Event

Basic Information

\*Event Name

Copy From

Event Definition

\*Transport Type  TCP  
 UDP  
 HTTP  
 HTTPS

\*Match Type  Search  Match

\*Expression

2. The Add Event and Alarm page supports selecting alarm recipients or alarm recipient group for each alarm.

← Add Event and Alarm

Basic Information   Actions   Receiving Schedule   **Alarm Settings**

Alarm Settings

Trigger Alarm

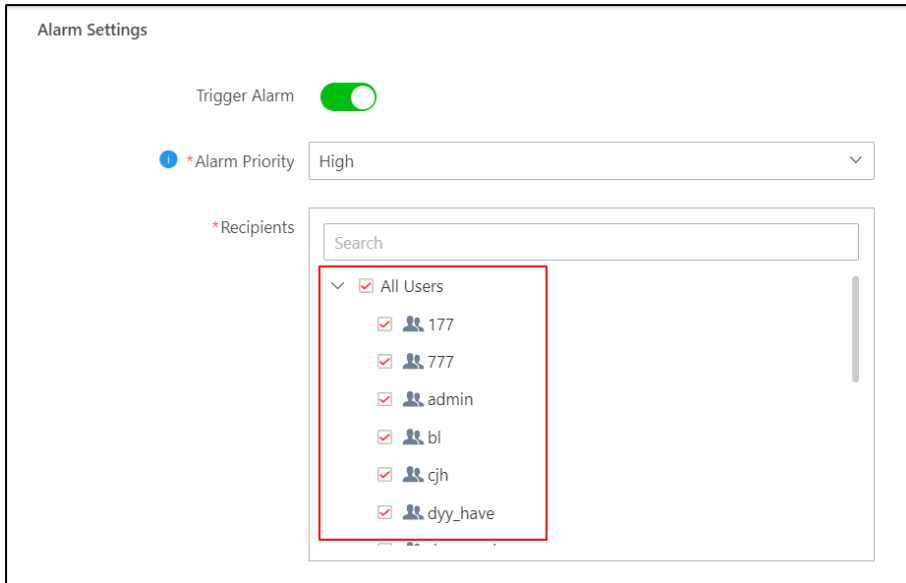
\*Alarm Priority

\*Recipients

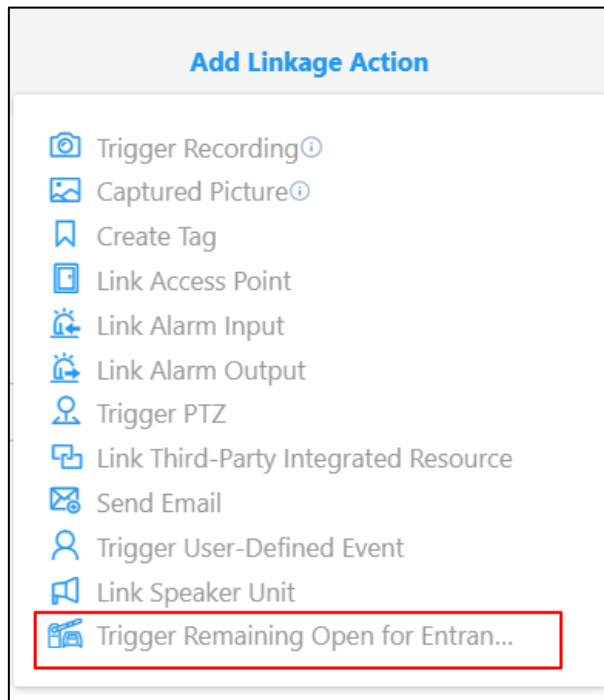
- lowpri
- lq
- lq2
- qx
- www1
- All Alarm Recipient Groups
- 21

Enable Pop-up Window

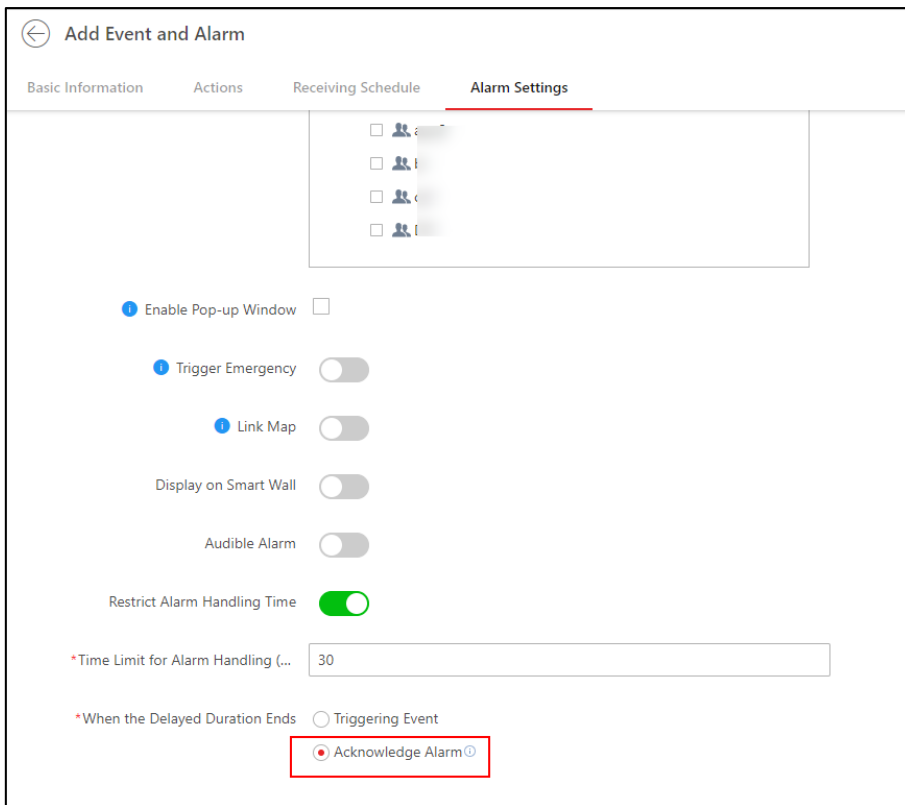




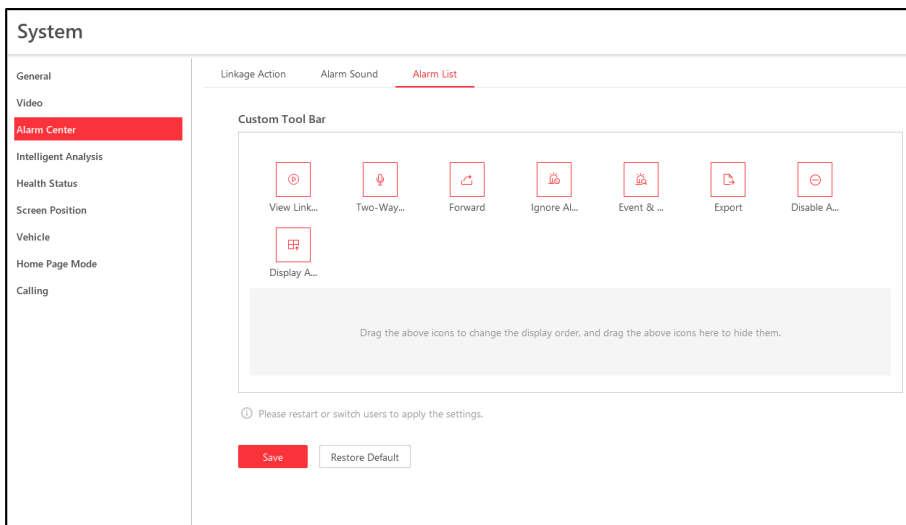
3. When an NVR turns online, the events triggered during the offline time will be uploaded to the platform automatically.
4. Supports setting Trigger Remaining Open for Entrance and Exit as the linkage action. When the event or alarm is triggered, the selected entrance(s) and exit(s) will turn to the status of remaining open so that the vehicles can enter or exit the parking lot without authentication or the allowance of guards.



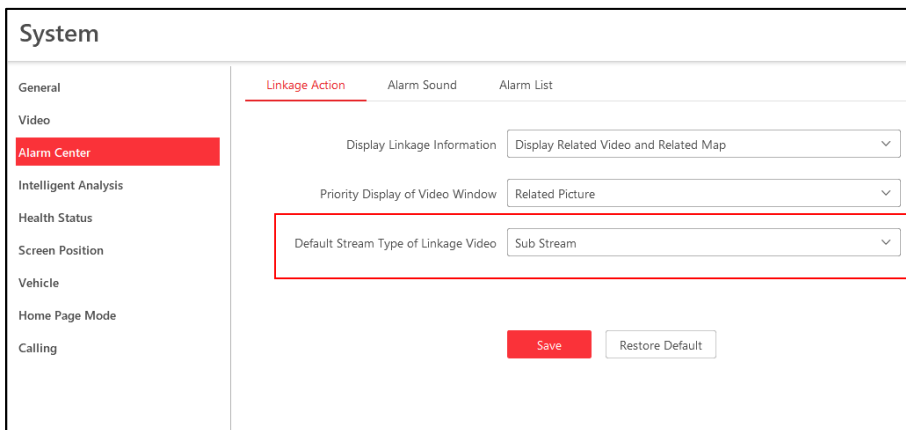
5. Supports acknowledging alarms by the platform automatically. When the delayed duration ends, the alarm will be acknowledged automatically.



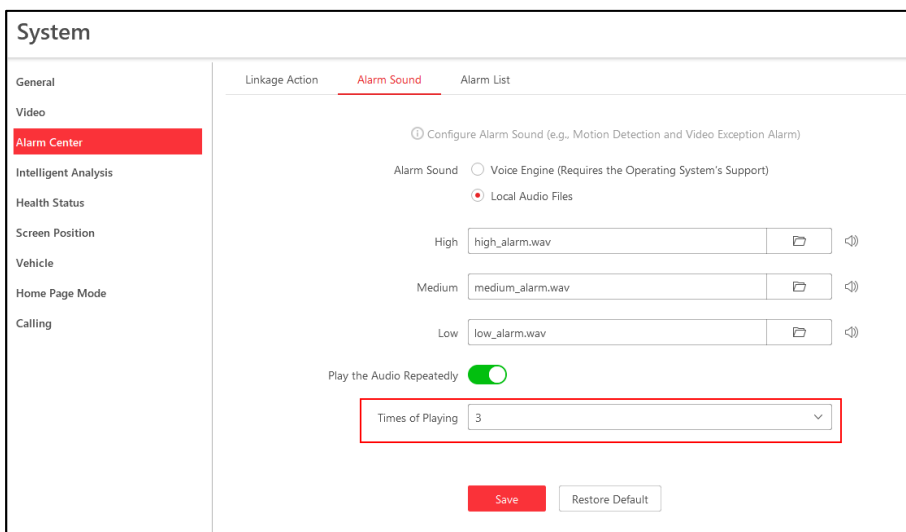
6. The Control Client supports customizing icons displayed in the Operation column of the Alarm Center.



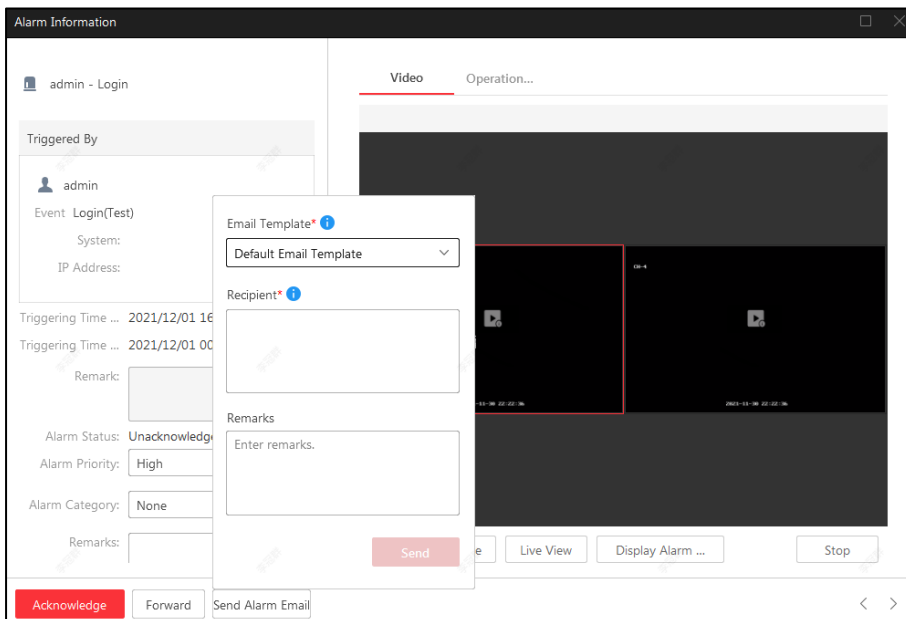
7. The Control Client supports selecting the default stream type of linkage video.

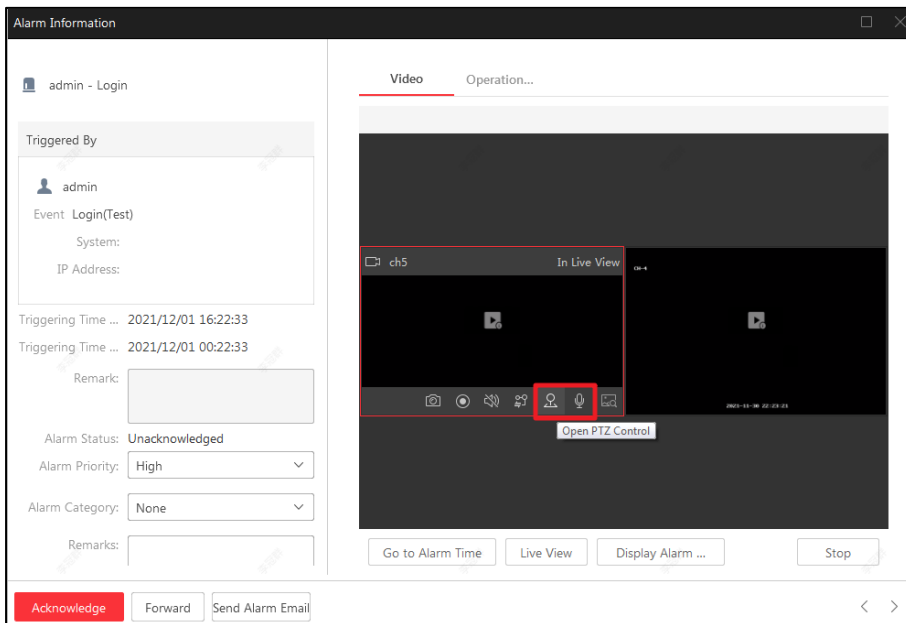


8. The Control Client supports setting the playing times of alarm sound.

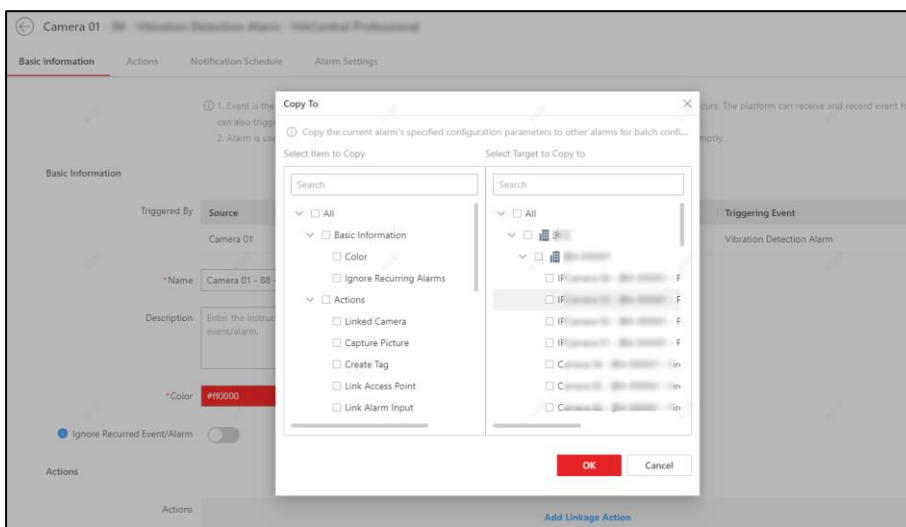


9. The alarm pop-up window supports sending the alarm details to specified users and starting two-way audio and PTZ control.

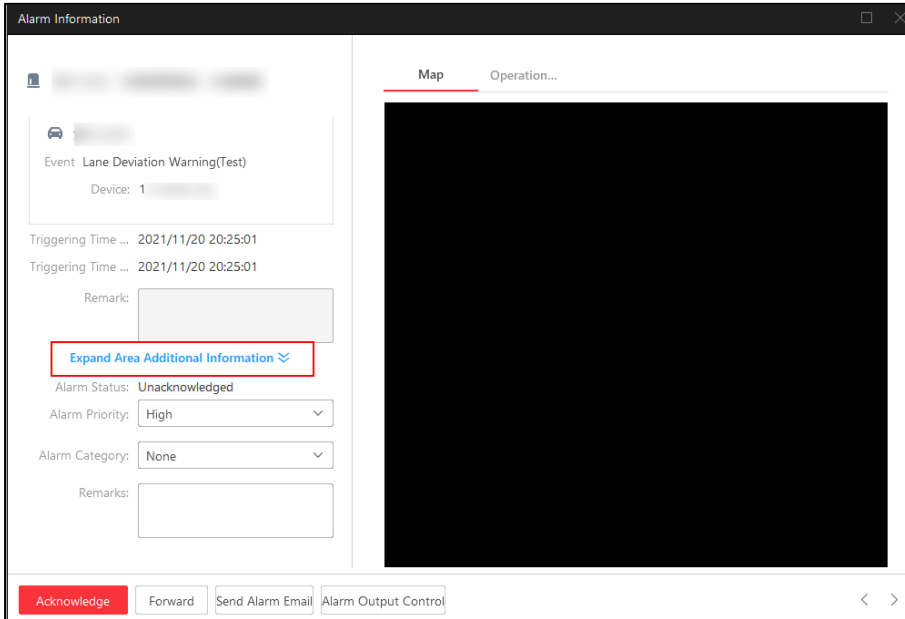




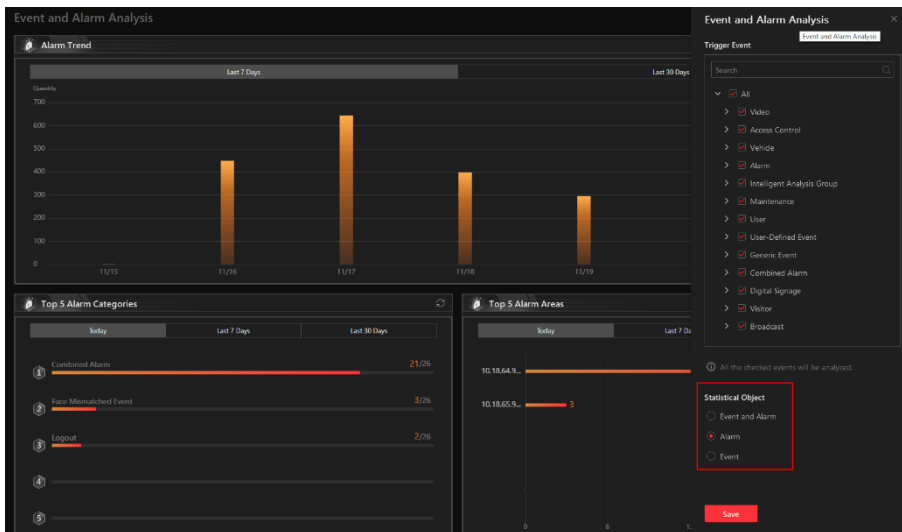
- 10. Supports backing up event and alarm reports to the SFTP server and SYS server regularly.
- 11. When copying the settings of events and alarms, supports copying the settings to specified areas.



- 12. In the exported alarm file, added the time of acknowledgment.
- 13. The platform supports receiving ship detection alarm and distance measurement alarm (from devices added by ISUP).
- 14. The alarm pop-up window supports viewing details of the area.

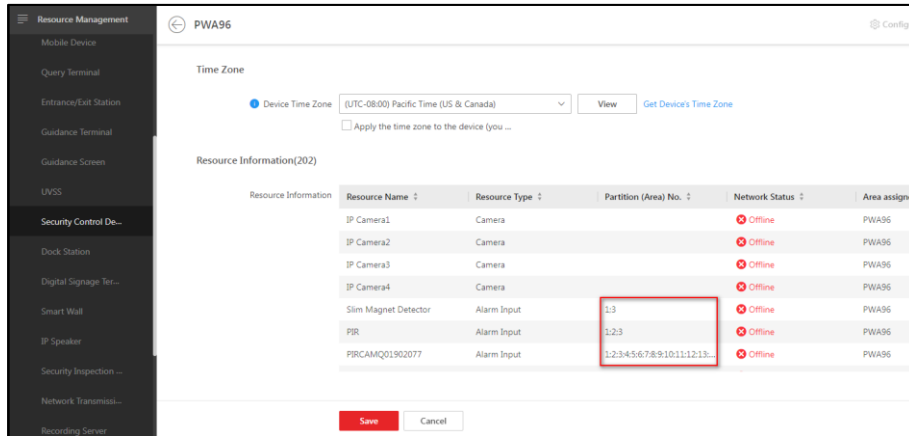


15. The Event and Alarm Overview page supports selecting the statistical target.



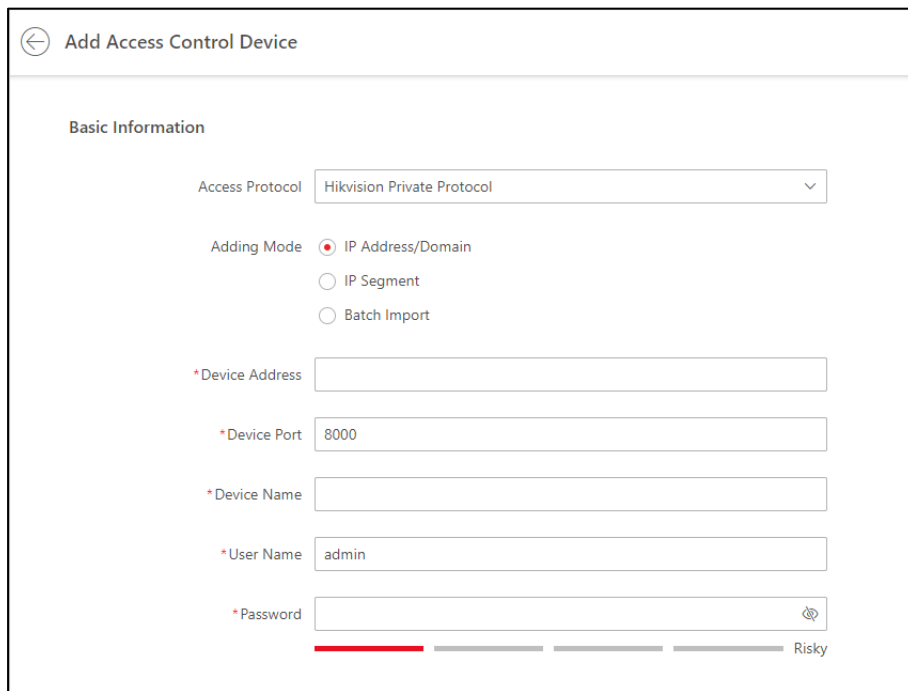
## Alarm Detection

Some new-version wireless security control panels support linking a zone with multiple partitions (areas).

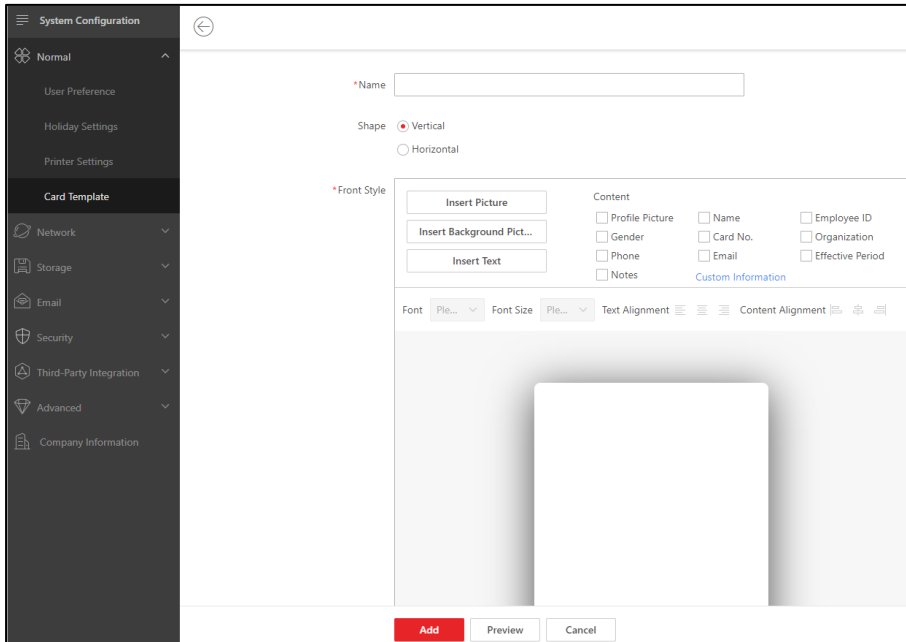


## Access Control

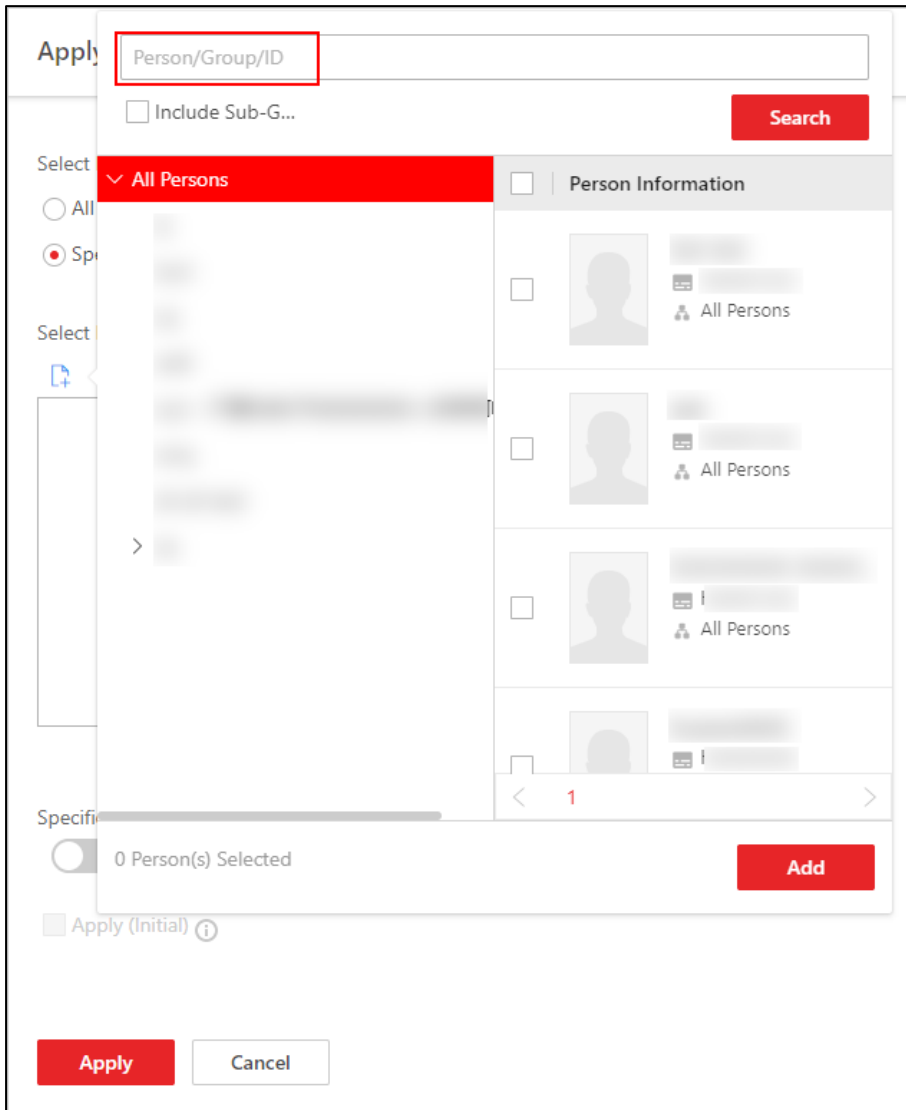
1. Supports adding access control devices by domain name.



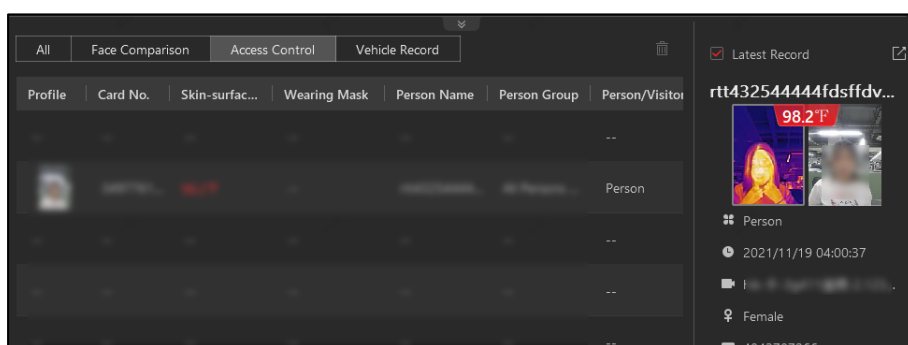
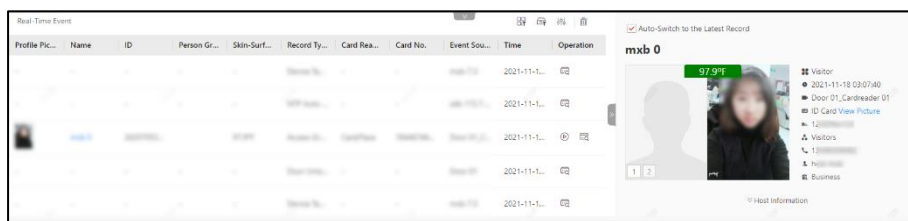
2. The card template supports the following functions:
  - Text alignment and content alignment.
  - Adjusting the layer of content and text on the card.
  - Customizing the size of the text on the card and horizontal alignment.
  - Customizing the size of pictures added to the card.



3. Support searching for persons by name and employee ID when assigning access levels.

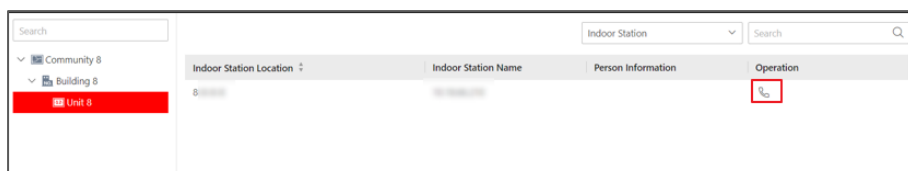


- Support configuring anti-passback for barrier gates.
- Real-Time Event Monitoring supports a lasting display of the information about the current recognized person, including profile photo, face picture, and person introduction. Support transforming the window to a thumbnail window.



## Video Intercom

- Supports two-way audio and live view during the video intercom.
- Supports calling indoor stations and answering calls from devices via the web client.



- Supports batch applying notices to indoor stations. Notices can include pictures and texts that can be displayed in multiple languages, for example, Russian.



**Add Notice**

\*Title

Notice Type  Advertisement  
 Property Information  
 Alarm  
 Notification

Picture

\*Information

Send to

Available

Search

- Community 8
- Building 8
  - Unit 8

Selected

Search

- Name
- 1

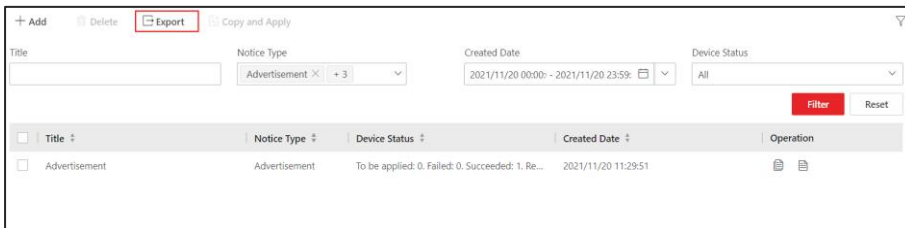
Apply Cancel Preview

- Supports searching history notices by setting conditions including the theme, content, resident, type, and time.

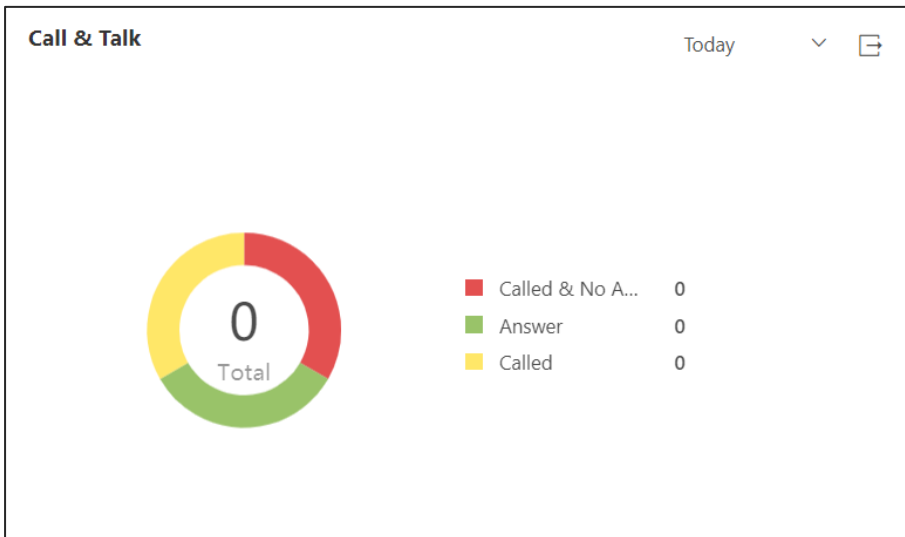
Title	Notice Type	Device Status	Created Date	Operation
<input type="checkbox"/>	Advertisement	To be applied: 0. Failed: 0. Succeeded: 1. Re...	2021/11/20 11:29:51	

Total: 1 / 100 / Page  / 1 Page

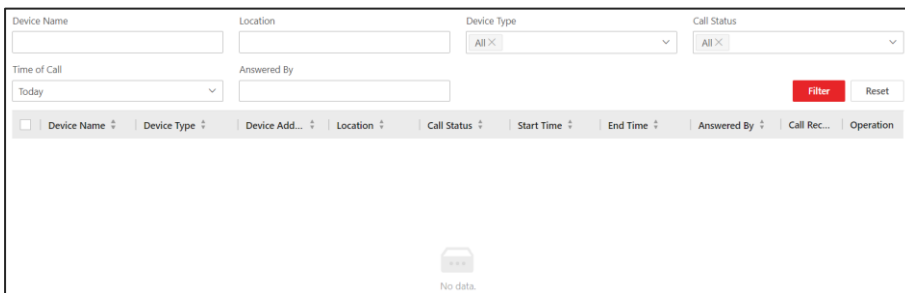
- Supports exporting history notices.



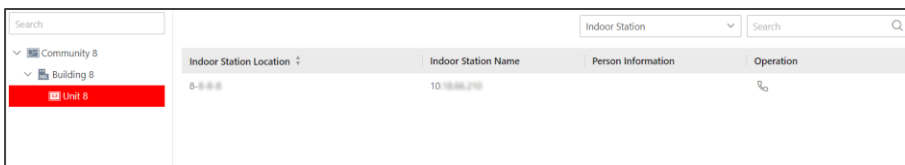
- 6. Supports saving logs of calls between the platform and indoor stations / door stations.
- 7. Supports viewing call statistics (the number and logs of calls answered or not answered) quickly.



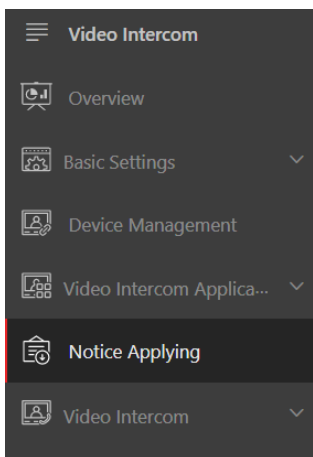
- 8. Supports searching logs of calls by setting conditions including device, call duration (start time and end time), and call status.



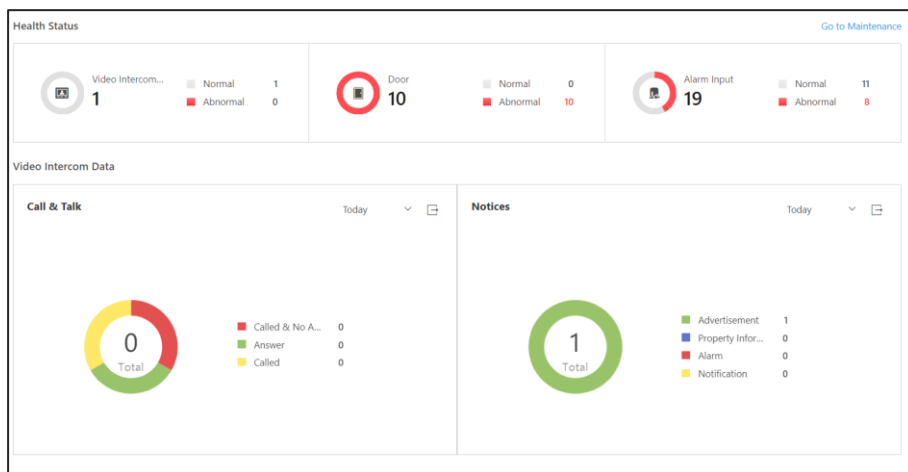
- 9. Supports viewing details of any call log and calling the indoor station again.



- 10. Supports independent video intercom module and independent entry to the module.



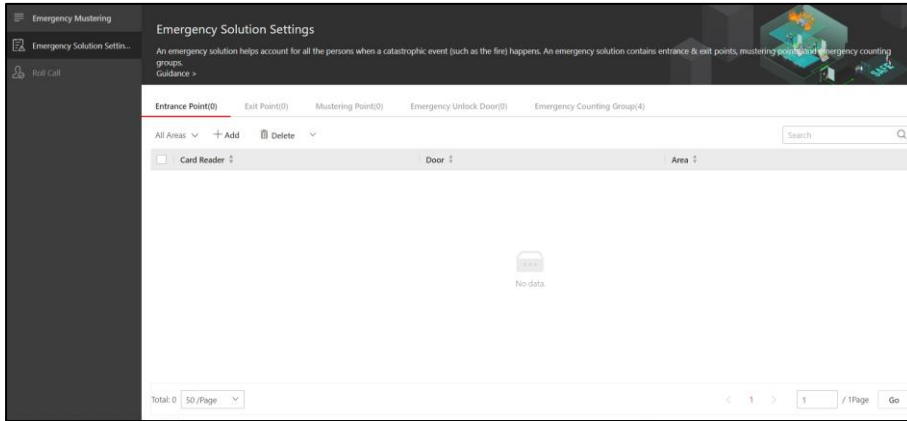
- Supports the dashboard that includes device maintenance, daily statistics of applied notices, and statistics of calls of the current day.



- Supports batch configuring parameters for video intercom devices.

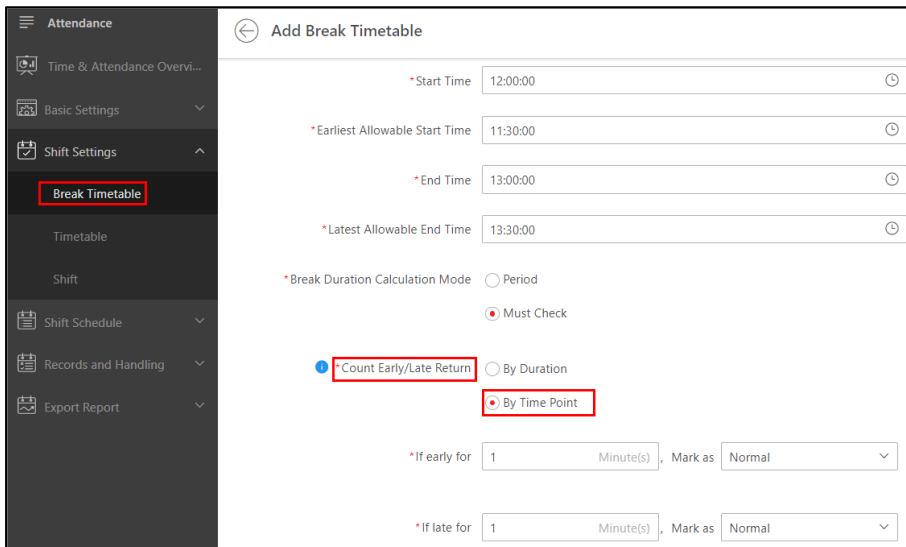
## Emergency Mustering

On the Web Client and Control Client, added the Emergency Mustering as a new module.

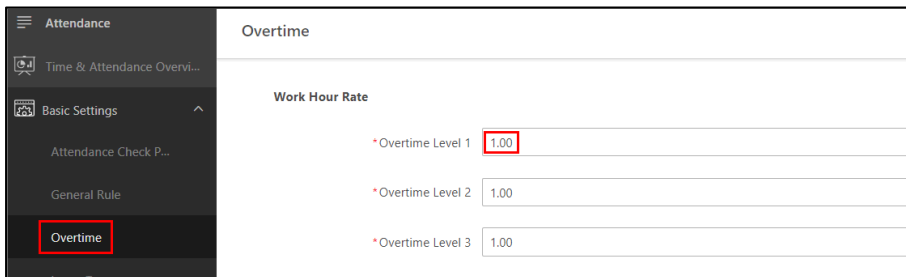


## Time & Attendance

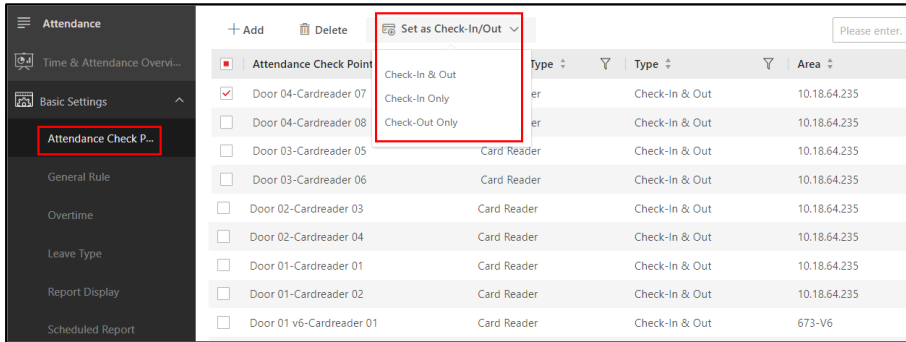
1. Supports counting early or late return time by time point and by duration.



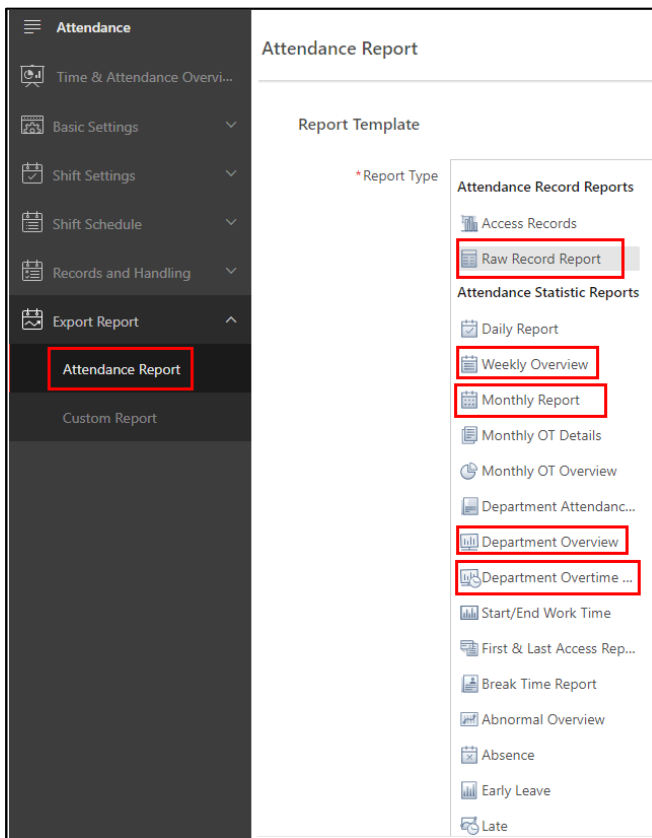
2. Supports two digits after the decimal point when setting the work hour rate, that is, calculate attendance by second.



3. Supports setting the attendance checkpoint type to Check-In & Out, Check-In Only, or Check-Out Only.



4. Added the raw record report, weekly report, monthly report, department overview, and department overtime overview.



5. Supports previewing all types of reports.

Attendance Report

Access Records	ID	Name	Person Group	Date	Day of Week	Card Swiping Times	Attendance Record
Raw Record Report	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Attendance Statistic Reports	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Daily Report	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Weekly Overview	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Monthly Report	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Monthly OT Details	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Monthly OT Overview	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Department Attendanc...	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Department Overview	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Department Overview ...	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Start/End Work Time	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
First & Last Access Rep...	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Break Time Report	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Abnormal Overview	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Absence	0000000001	Sample Person	All Persons	2021-11-01	Mon.	0	09:00
Early Leave							
Late							
Attendance Handling Reports							
Check-in/Out Correction							
Leave							

6. Supports selecting all the available fields when customizing a report.

← Add a Custom Report

\*Report Name

• Merge Data of

\*Table Display Rule

Optional Fields

Name	ID	Date	Status	Break Dura...	Work Hours
Late Durati...	Early Leave...	Late	Early Leave	Absent	Total Overt...
Leave Dura...	Required ...	Overtime L...	Overtime L...	Overtime L...	Late and E...
Person Gro...	Shift Name	Skin-Surfac...	Skin-Surfac...	Normal Ski...	Abnormal ...

7. Supports merging the data of the same person, department, or date. Support setting the sorting rule for records such as sorting in ascending order of person ID.

Attendance

- Time & Attendance Overvi...
- Basic Settings
- Shift Settings
- Shift Schedule
- Records and Handling
  - Raw Records
  - Attendance Result
  - Handle Records
- Export Report
  - Attendance Report
  - Custom Report

← Add a Custom Report

\*Report Name

• Merge Data of

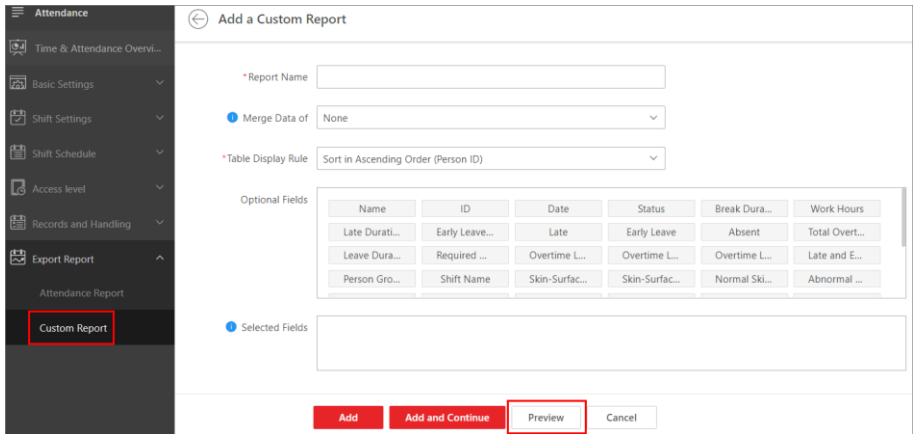
\*Table Display Rule

Optional Fields

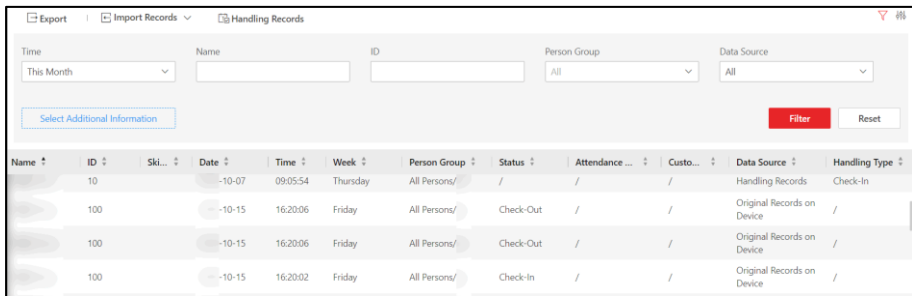
Name	ID	Date	Status
Late Durati...	Early Leave...	Late	Early Leave
Leave Dura...	Required ...	Overtime L...	Overtime L...
Person Gro...	Shift Name	Skin-Surfac...	Skin-Surfac...

• Selected Fields

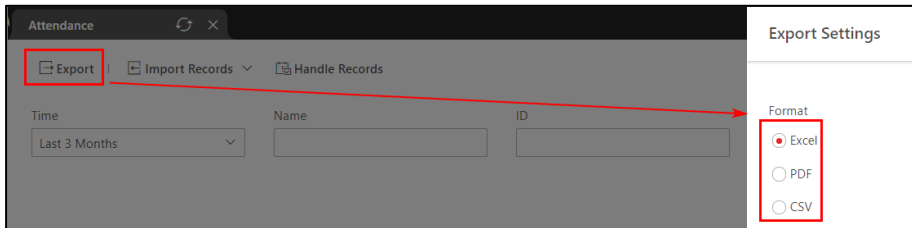
8. Supports previewing a customized report.



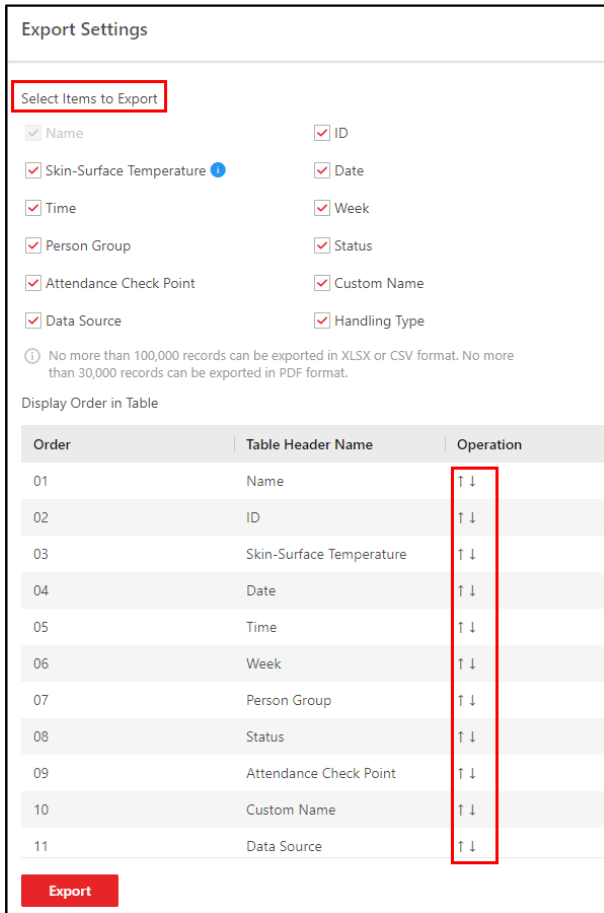
9. Supports searching and listing all raw records.



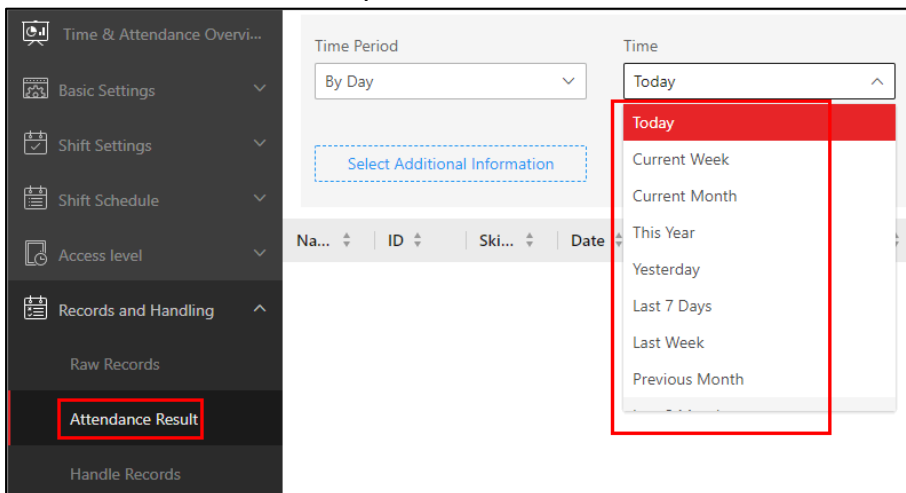
10. Supports exporting raw records in PDF, Excel, or CSV format.



11. Support customizing the data items, item order, and record sorting order when exporting records.

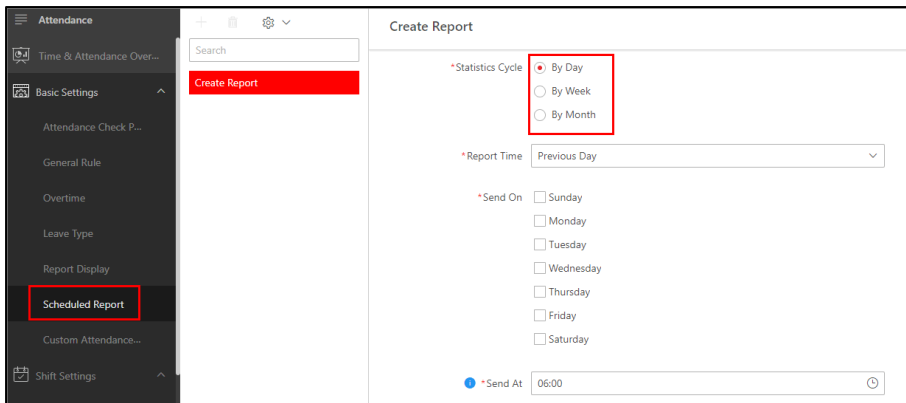


12. Supports searching attendance records by time, including today, current week, current month, this year, yesterday, last 7 days, last week, previous month, last 3 months, last 6 months, last year, or custom.

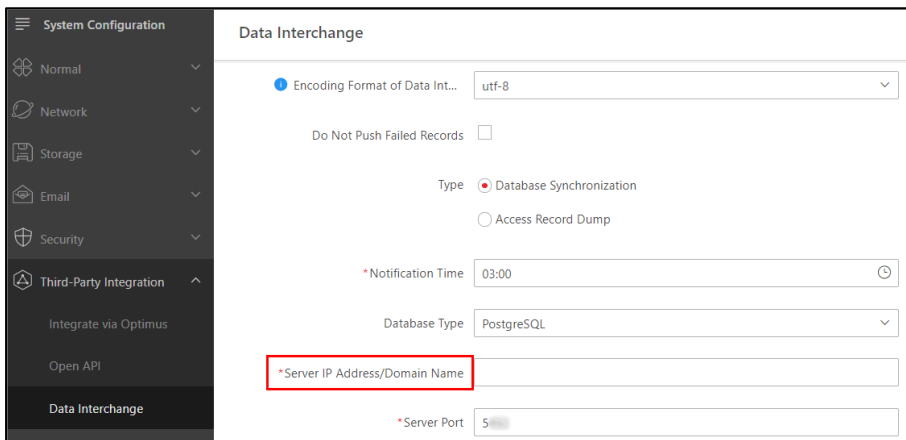


13. Supports setting the statistics cycle as by day (select one or multiple days from Monday to Sunday), by week (select one day from Monday to Sunday), or by month (select any day from the first day of the month to the last day of the month).





14. Supports entering the server IP address or domain name in third-party database synchronization.



15. Supports pushing multi-character data to the third-party database.

## Visitor Management

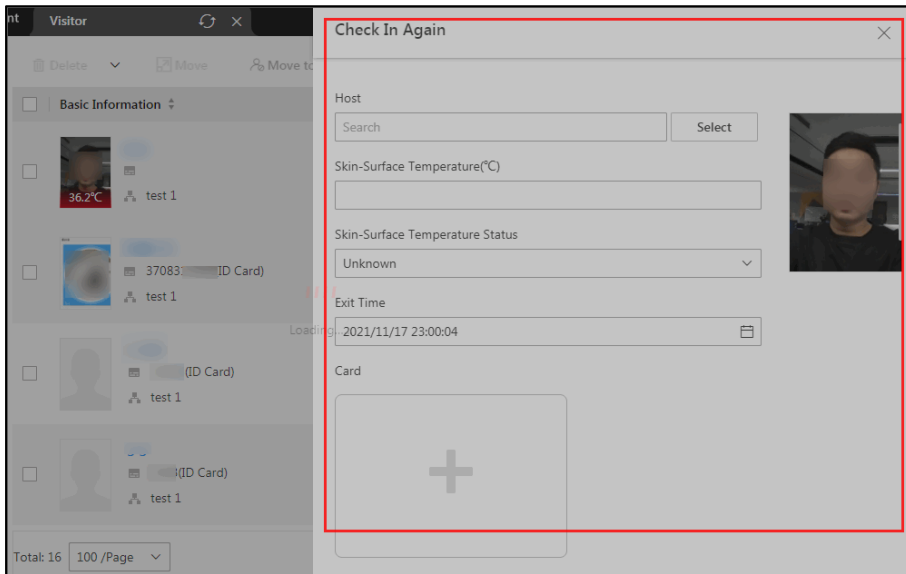
1. Supports configuring access levels for a visitor when making a reservation for the visitor.

The screenshot shows the 'Reserve' form with the 'Access Information' tab selected. The form includes fields for 'Phone', 'Country/Region' (set to 'Unknown'), and 'Notes'. Below these is an 'Expand' link. The 'Access Information' section contains a 'Valid Times for Visit' toggle (which is turned on), a 'Valid Times for Visit' input field, an 'Access Level' field with a 'Configure' link, and an 'Extended Access' checkbox. At the bottom, there are three buttons: 'Reserve', 'Reserve and Continue', and 'Cancel'. A red box highlights the 'Access Level' field and its 'Configure' link.

- 2. Supports controlling the permissions for reviewing reservations.

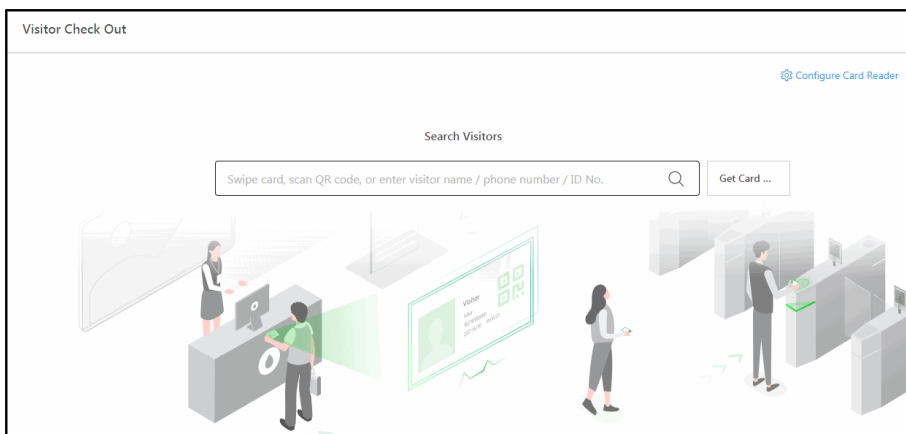
The screenshot shows the 'Permission Settings' dialog with the 'User Permission' tab selected. The dialog has tabs for '\*Permission', 'Area Display Rule', 'Resource Access', and 'User Permission'. A 'Select Permission' search box is at the top. Below it, a list of permissions is shown: 'Delete', '> Access Level', 'Reservation Approval', 'View', 'Edit', and 'Delete'. A red box highlights the 'Reservation Approval' permission and its sub-items: 'View', 'Edit', and 'Delete'.

- 3. Supports quickly checking in any history visitor, no matter the visitor has been deleted or not.

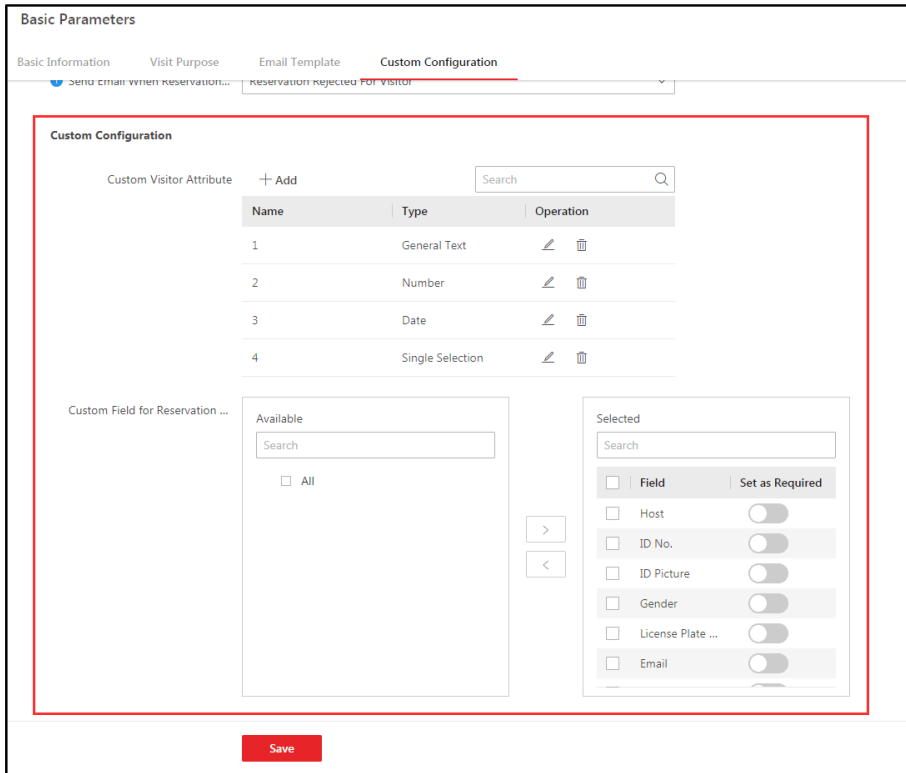


4. Supports quickly checking out a visitor through the visitor's ID number, phone number, name, or card number, or by scanning the QR Code on the visitor pass.

To make scanning QR codes available, you need to add scanning devices to the platform.

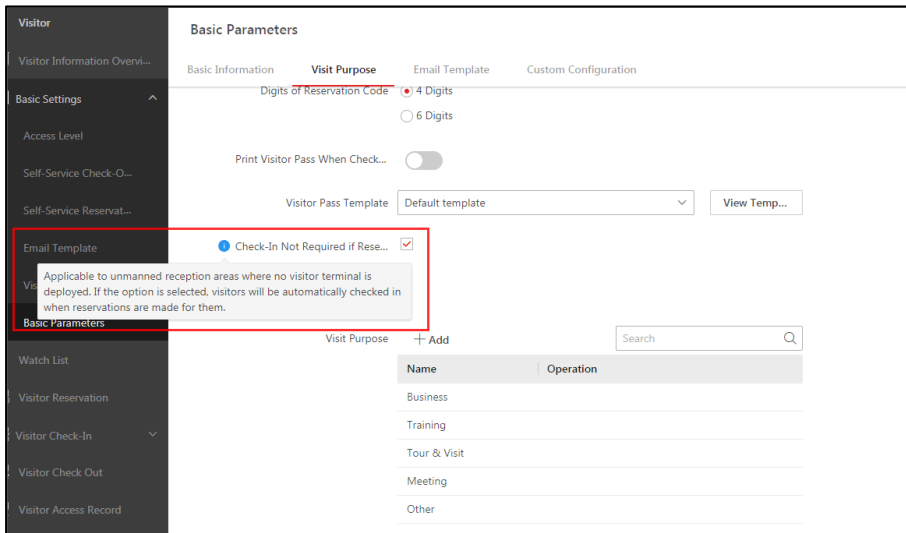


5. Supports customizing the information fields on the visitor reservation page or visitor check-in page.



6. Supports enabling/disabling the platform to automatically check in visitors when reservations are made for the visitors.

When the feature is enabled, visitors needn't check in at the reception area. They can access the specified access points directly through the QR codes on their visitor passes. When the feature is disabled, visitors should check in at the reception area first before they can access the access points.



7. Supports automatically sending an email to the host when a reservation is rejected.

← Add Email Template

Email Type  Send Email When Reservation Appr...  
 Send Email When Checked In  
 Send Email When Reservation Rejec...

\*Recipients  Visitor  
 Host

\*Name

\*Subject

**Email Template**

Send Email When Reservation... Reservation Approved For Host

Send Email When Checked In Check-In For Visitor

Send Email When Reservation... Send Email to Host When Reservation Rejected

Send Email When Reservation Rejected

8. Supports automatically sending an email to a visitor when the reservation for the visitor is rejected.

← Add Email Template

Email Type  Send Email When Reservation Appr...  
 Send Email When Checked In  
 Send Email When Reservation Rejec...

\*Recipients  Visitor  
 Host

\*Name

**Basic Parameters**

Basic Information Visit Purpose **Email Template** Custom Configuration

**Email Template**

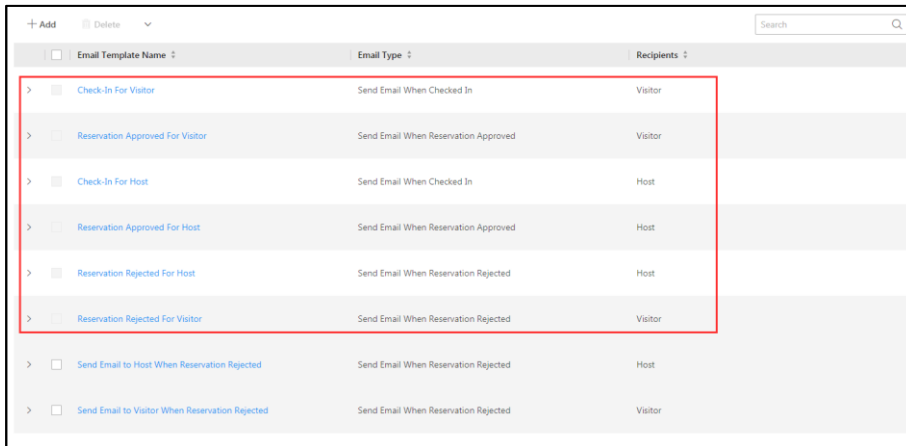
Send Email When Reservation... Reservation Approved For Host

Send Email When Checked In Check-In For Visitor

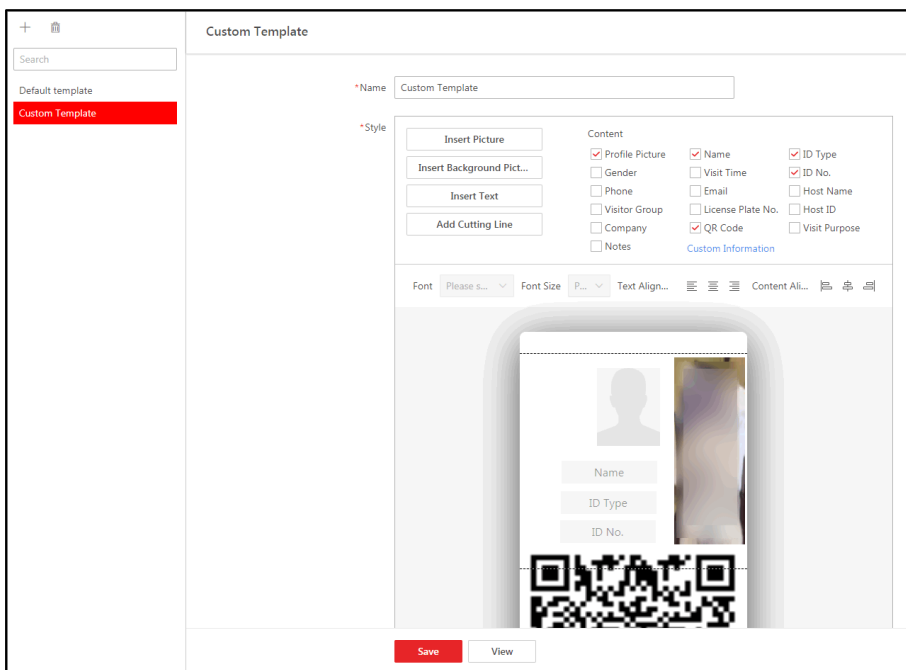
Send Email When Reservation... Send Email to Visitor When Reservation Rejected

Send Email When Reservation Rejected

9. Provides default email templates.



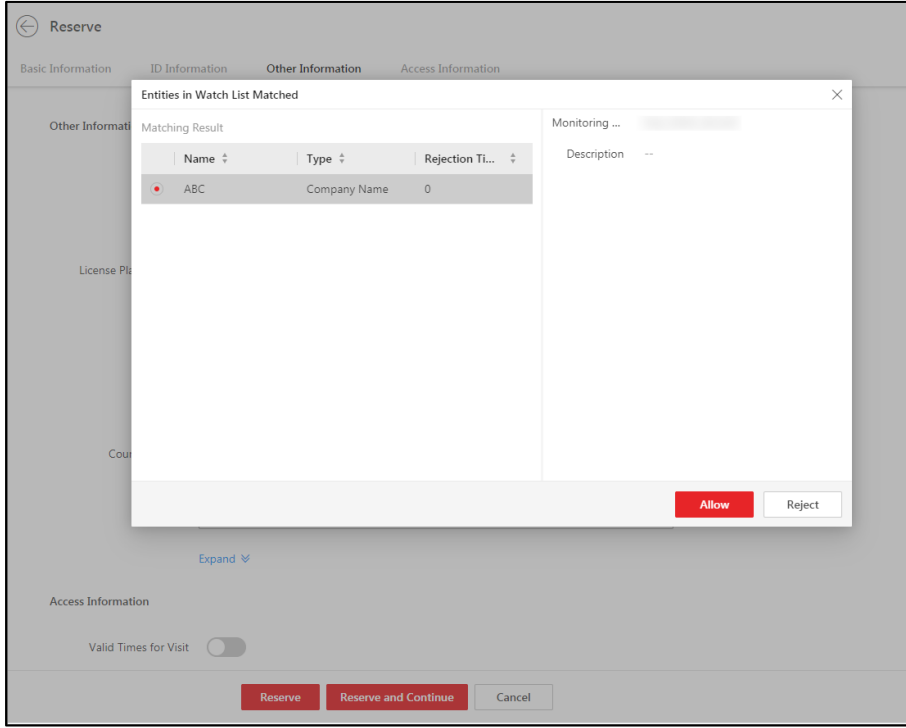
10. Supports 58 mm thermo-sensitive printers.
11. Supports adding custom visitor pass templates in a visualized way and previewing the template.



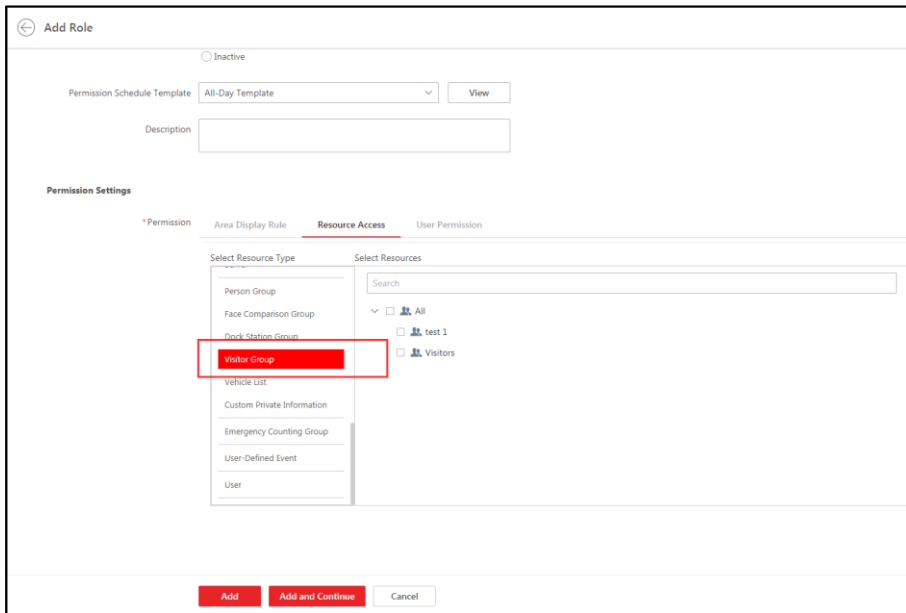
12. Supports configuring the visitor information fields, background picture, custom pictures, custom texts, font, and font size of the visitor pass template.
13. Supports automatically printing a visitor pass when a visitor is checked in; supports manually printing a visitor pass anytime.
14. Supports visitor terminal models including DS-K5032 (Self-Service), DS-K5032-D (Staff-Service), DS-K5032-3XFD (Staff-Service & Temperature Screening).
15. Supports basic management of visitor terminals, including adding and deleting visitor terminals, changing passwords, setting time zone, restoring to default parameters, updating firmware, and searching visitor terminals on the same LAN through SADP.

- 16. Supports applying access levels to visitor terminals added to the platform.
- 17. Supports applying the host information to visitor terminals added to the platform.
- 18. Supports applying reservation codes to the visitor terminals added to the platform.
- 19. Supports two-way synchronization of the registered visitor information (from the platform to the visitor terminals or vice versa).
- 20. Supports configuring the watch list to monitor special visitors by name, company, and ID number. The involved procedures include reservation, reservation review, and check-in.

- Supports automatically opening a notification window when a visitor registered in the reservation or check-in process has attributes that match entities in the watch list; supports making a reservation for, checking in, or rejecting the visitor. Moreover, the statistics of rejection times is supported.

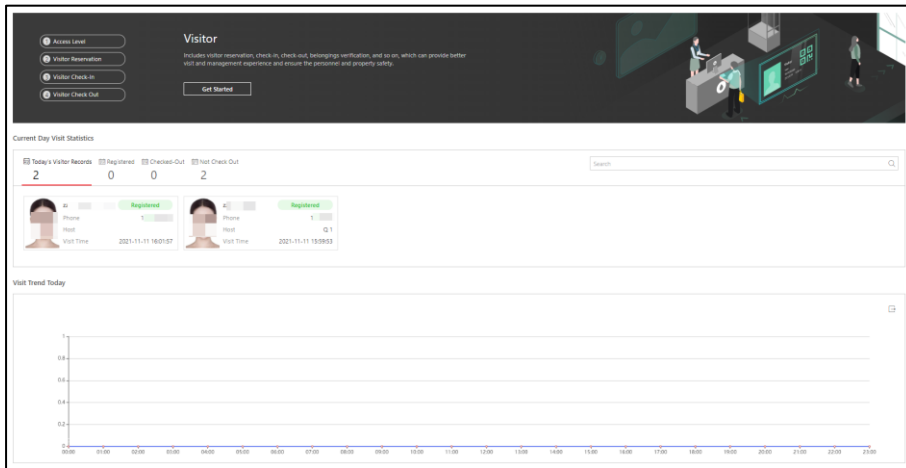


- Supports assigning the permission for accessing a specific visitor group to specific users.



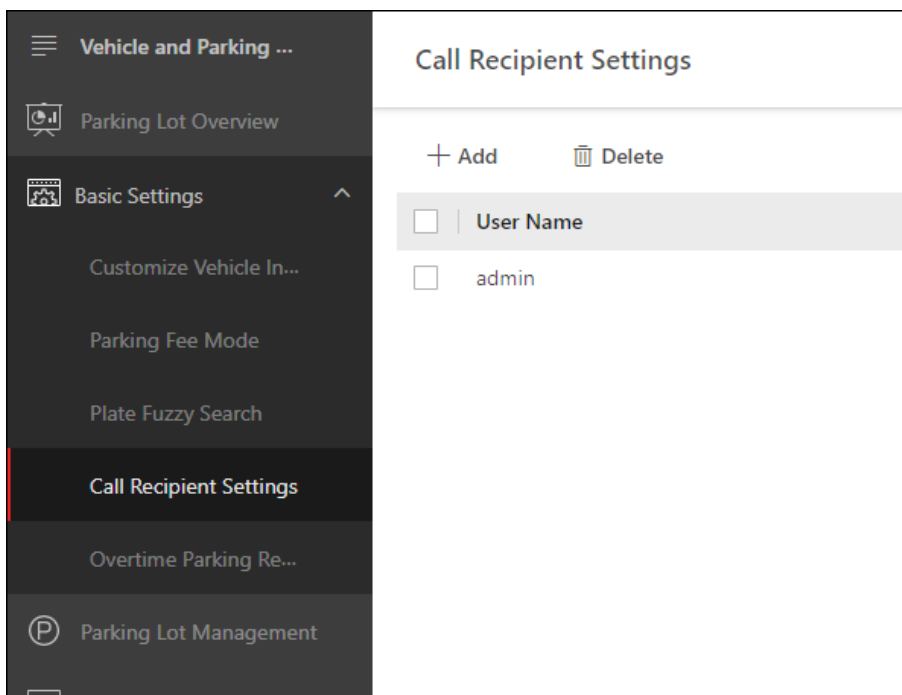
- Supports viewing the overview of the data related to visitors on a dashboard, including the number of visitors on the current day, checked-in visitors, checked-out visitors, and visitors who have checked in but have not checked out.



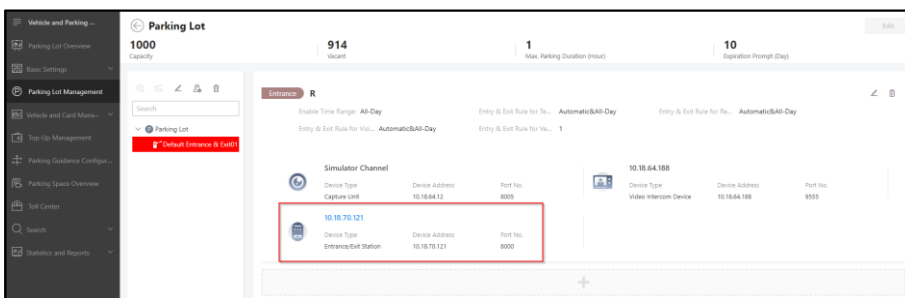
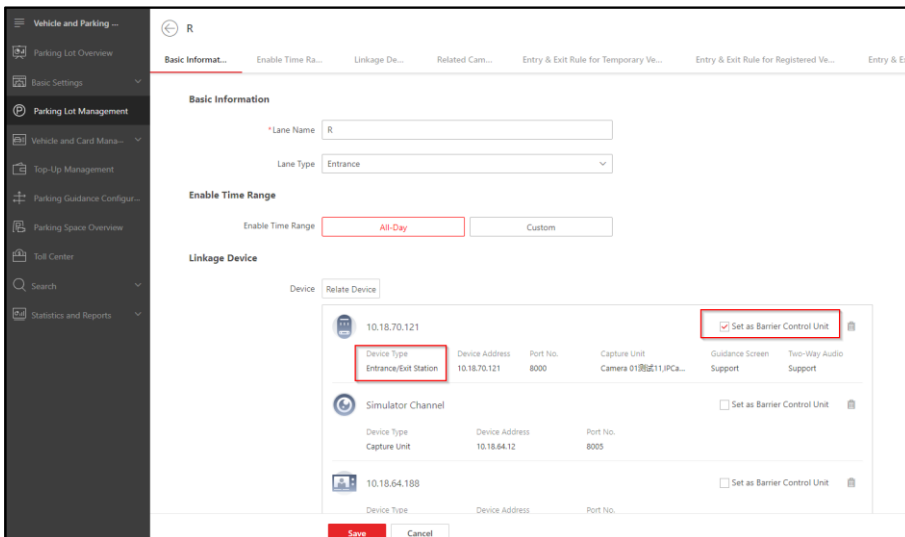


## Vehicle and Parking Management

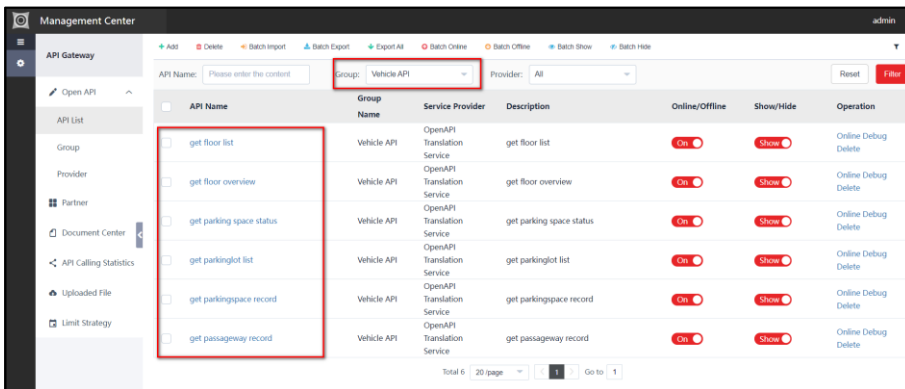
1. The Self-Service Vehicle Finding Client (Android) can help to find vehicles in the parking lot easily.
2. Support two-way audio between the entrance & exit and the call center via the entrance/exit station.



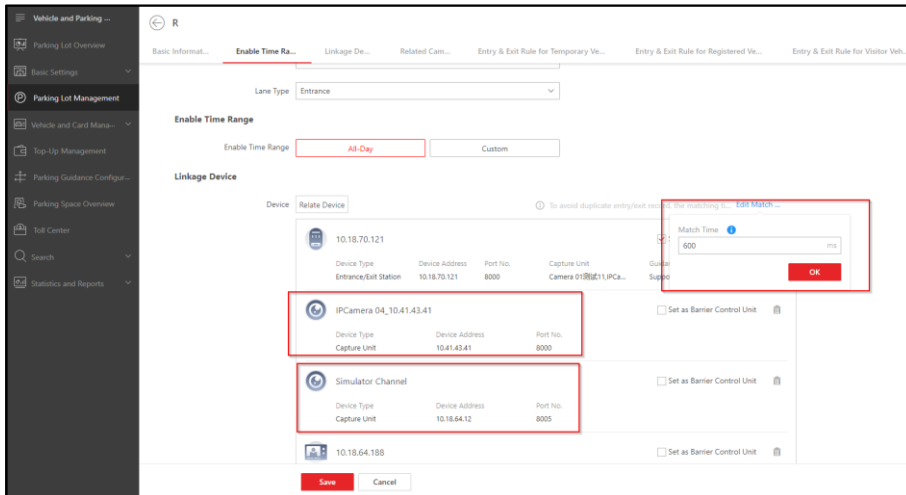
3. Support linking an entrance/exit station with a lane for controlling the barrier. After a temporary vehicle or a vehicle with no license plate gets a ticket or card from an entrance/exit station, the station will control the barrier gate to open and let the vehicle enter.



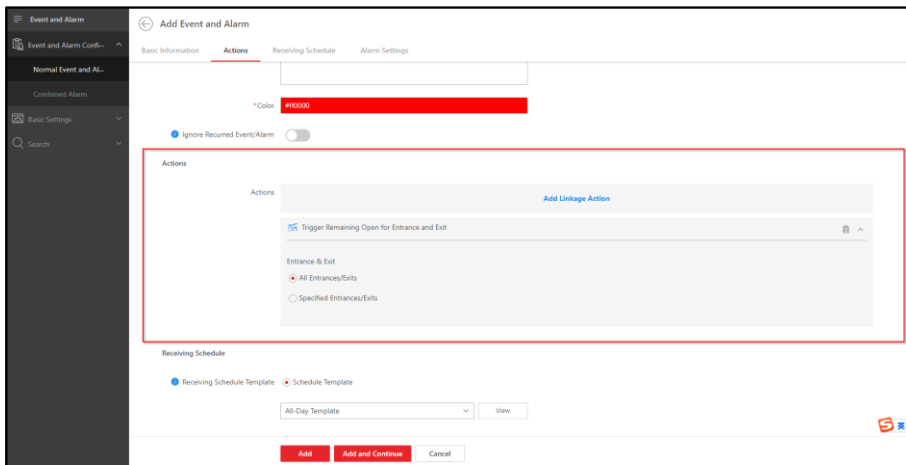
4. Provide OpenAPI capabilities for searching passing vehicles in the entrances & exits of a parking lot, the parking duration and parking records of a specific vehicle, and the occupancy rate of different floors and different parking space types.



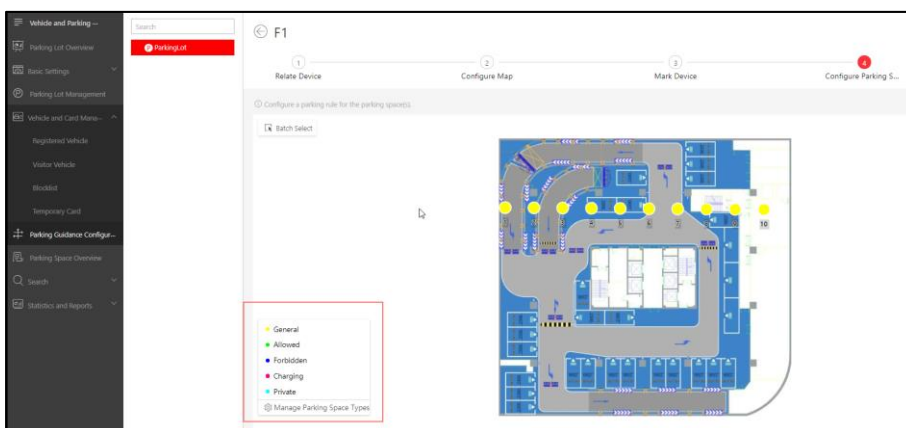
5. Support linking two capture units with a lane.

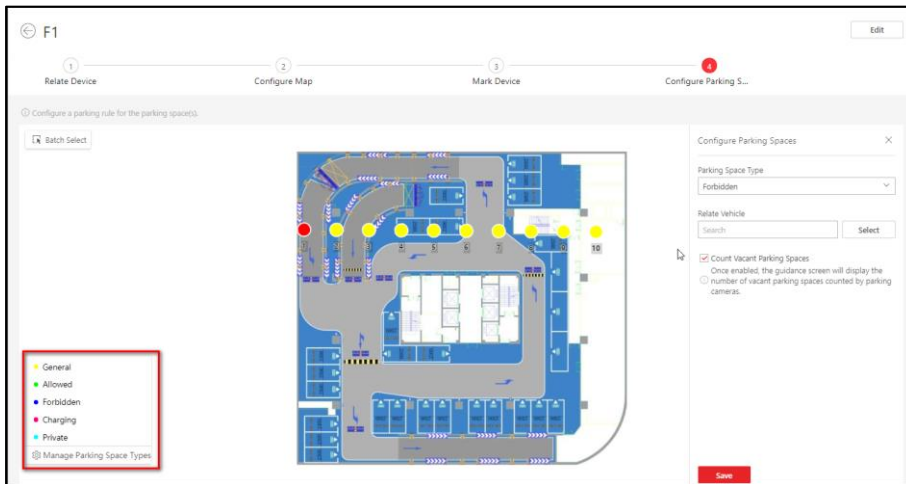


- Support configuring alarm linkage. When the alarm is triggered, the selected or all the entrances & exits will remain open.

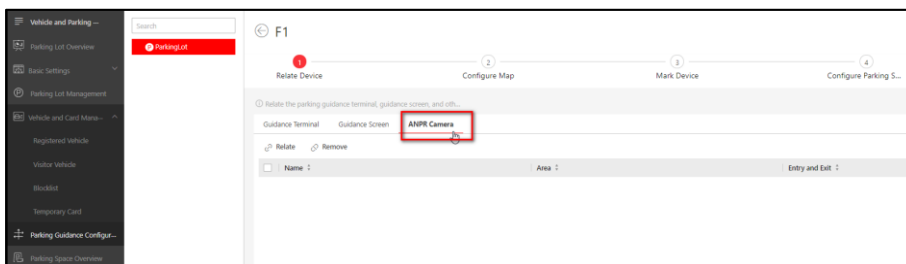


- Support configuring the types and colors of parking spaces.

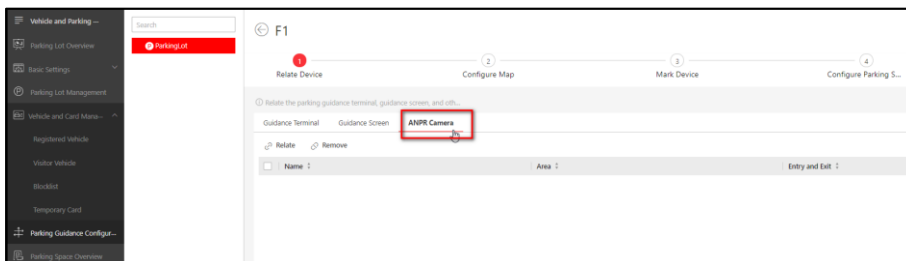




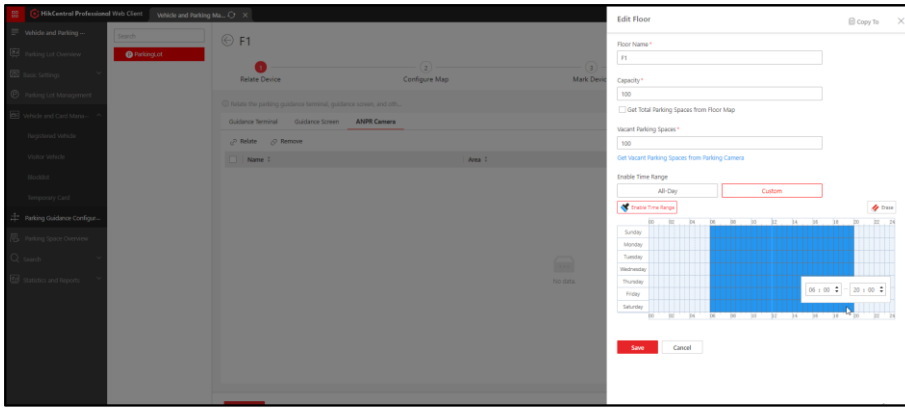
- Support mounting ANPR cameras on the top floor to count the number of entering and exiting vehicles. The number of vacant parking spaces will be displayed on the guidance terminal.



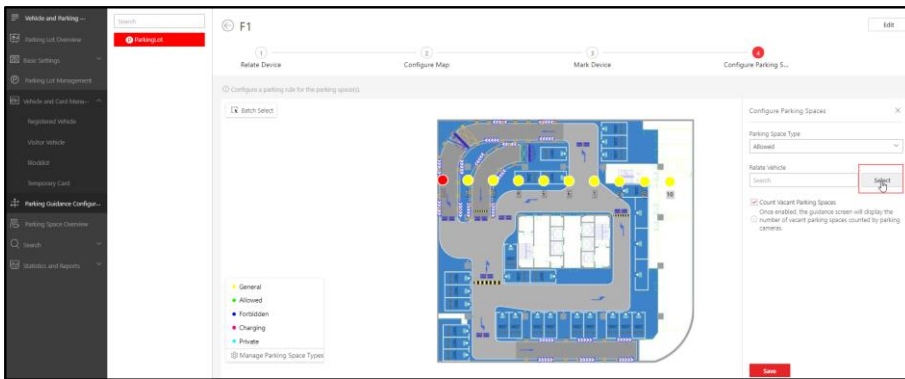
- Support counting parking spaces on different floors by the ANPR camera. With ANPR cameras, the number of entering and exiting vehicles of a floor can be counted, and the number of real-time parking spaces of a floor can be displayed.



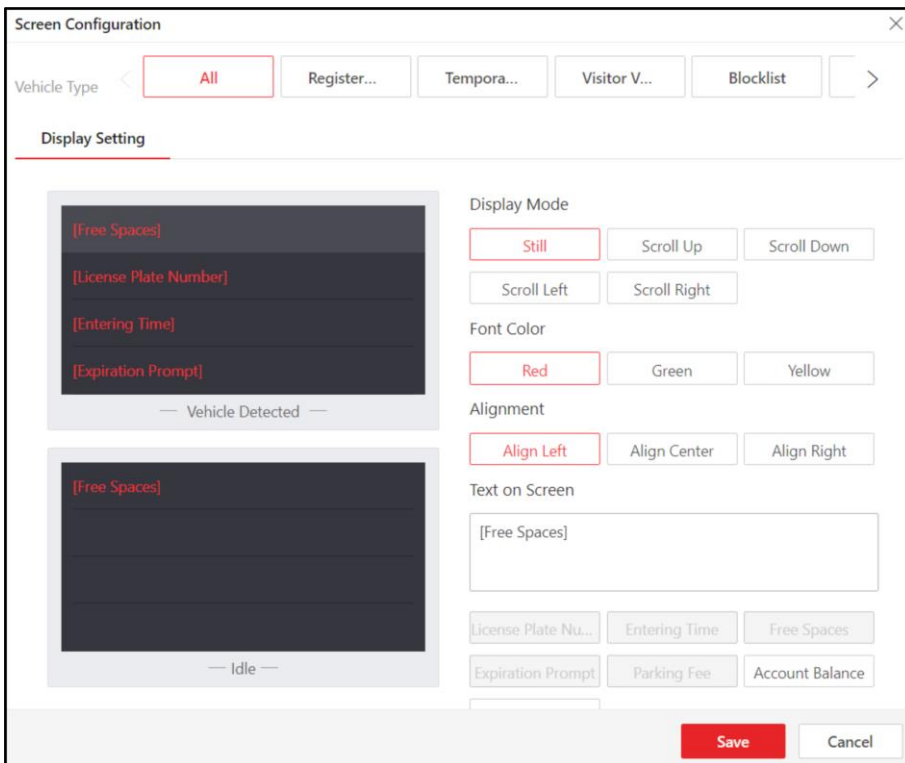
- Support enabling or disabling parking space statistics for specific floors according to the time template. During the disabling time, the vacant parking spaces of specific floors will not be included in the vacant parking space statistics or displayed on the entrance guidance screen.



11. Support relating vehicle list(s) to the parking space when configuring parking space types.

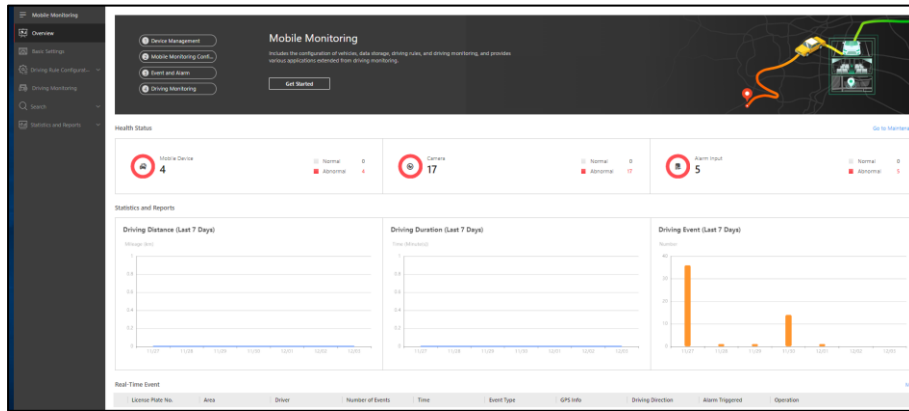


12. Support displaying the vacant parking spaces of different vehicle lists on the guidance screens in the entrance & exit lane of a parking lot.



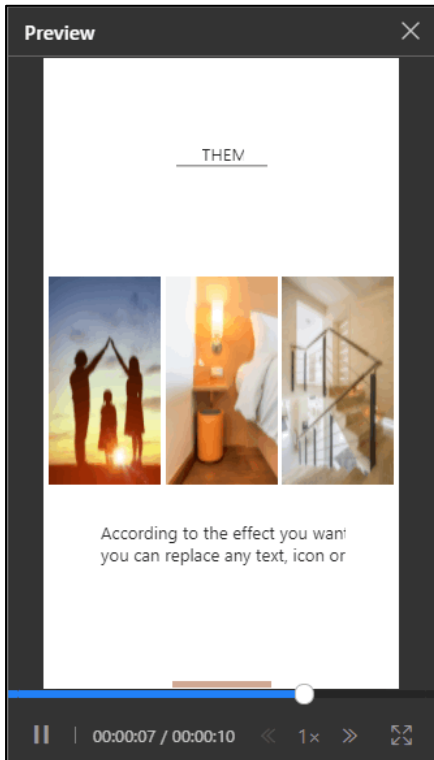
## Mobile Monitoring

On the Web Client and Control Client, added the Mobile Monitoring as a new module

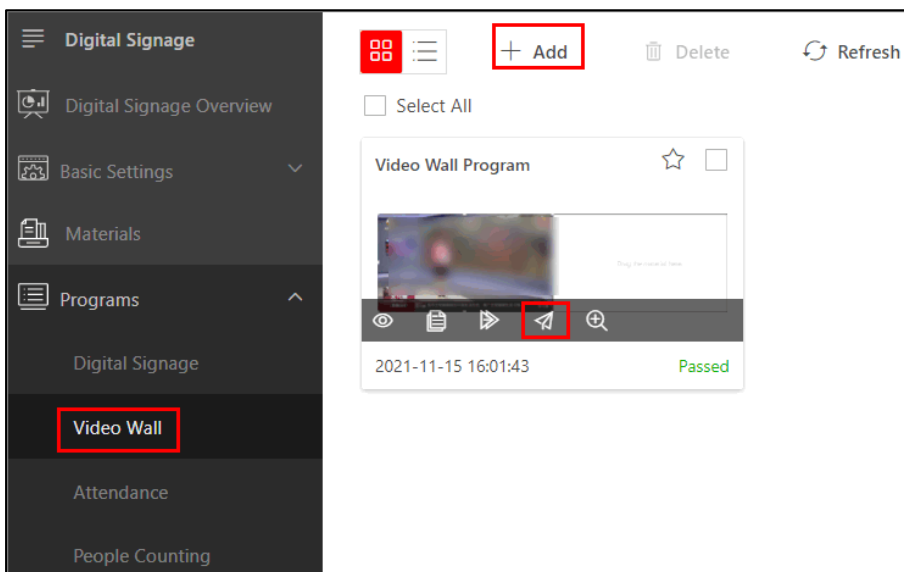


## Digital Signage

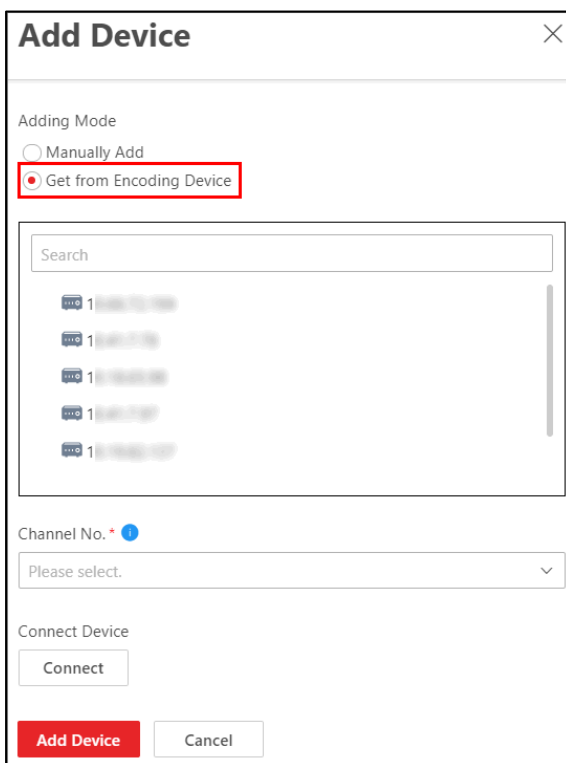
1. Added the function of previewing programs, including the digital signage program, video wall program, people counting program, and attendance program.



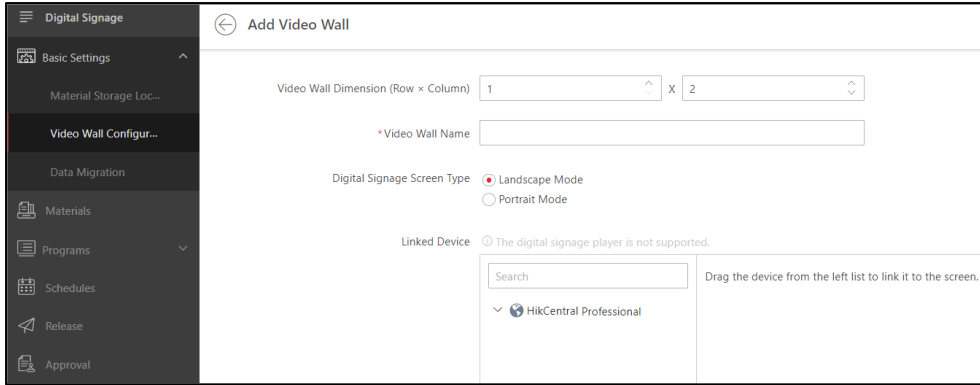
2. Added the video wall program. Supports creating, editing and releasing the video wall program.



3. Supports getting external device(s) from the encoding device.



4. Supports configuring the video wall.



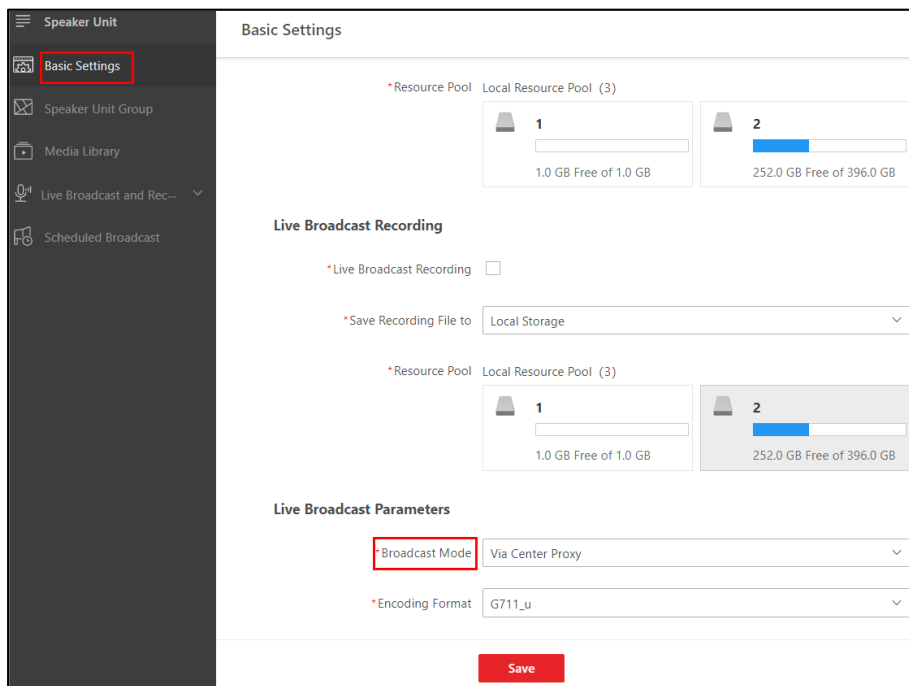
- 5. Supports pausing, playing faster, and playing faster reversely during previewing programs.



## Broadcast Management

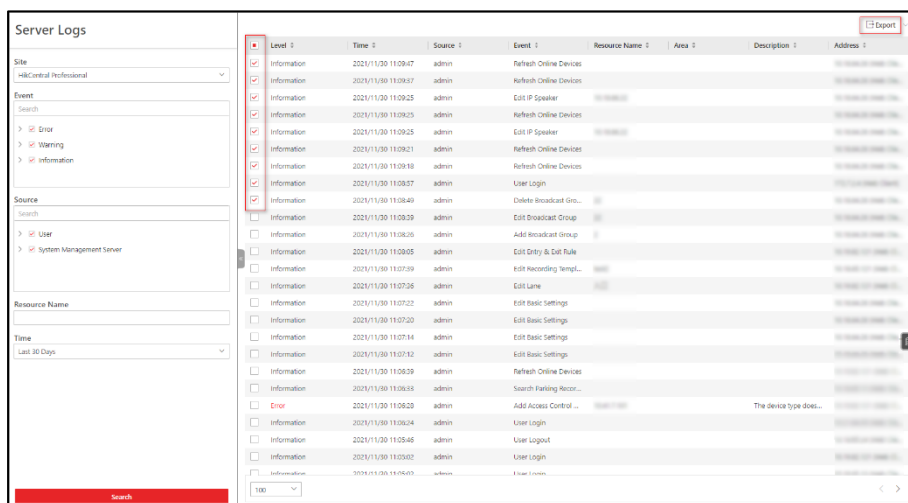
Supports configuring the broadcast mode as via Center Proxy.



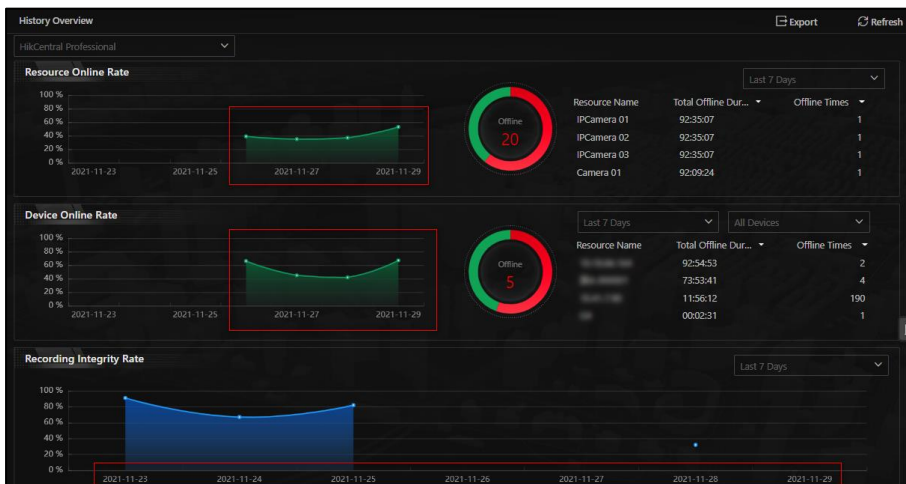


## Maintenance

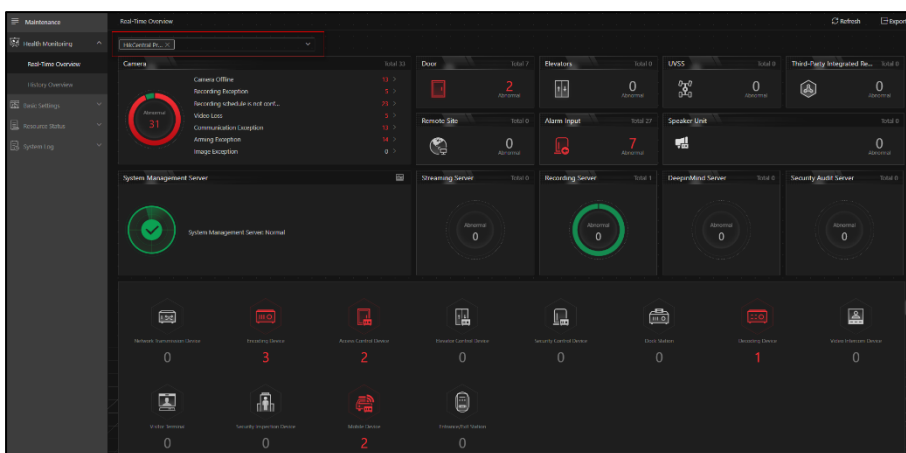
1. Supports selecting server log(s) and exporting the selected log(s).



2. Supports backing up during dual-server deployment, configuring a schedule to back up regularly, and restoring the data from backup.
3. Supports updating history maintenance data by day.



4. Supports selecting site(s) on the Health Monitoring page.



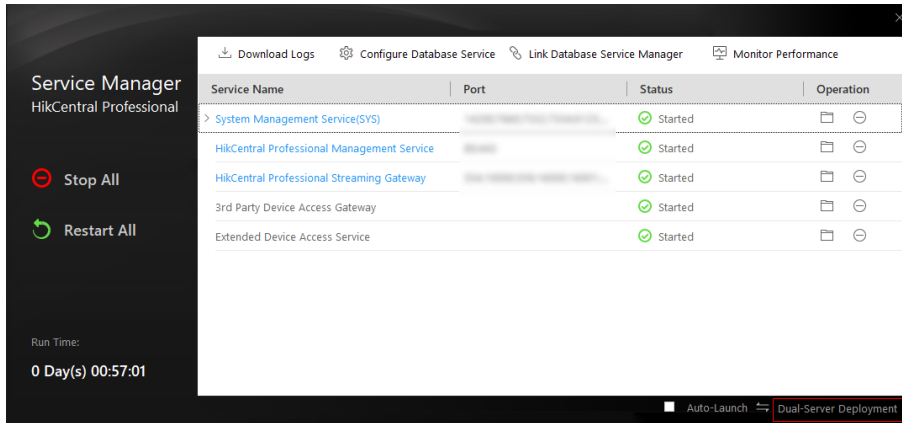
5. Supports filtering logs by total offline duration when searching online/offline logs.

The screenshot shows the 'Device Logs' interface. On the left, there are filters for 'Type' (Online/Offline Log), 'Device' (Encoding Device), and 'Time' (Last 24 Hours). Under 'Filter Condition', the 'Total Offline Times' option is selected, and a sub-filter for 'Total Offline Duration' is highlighted with a red box. The main table displays log entries with columns for Name, Address, Current Status, Latest Offline Time, Total Number of Times Offline, Total Offline Duration, and Operation.

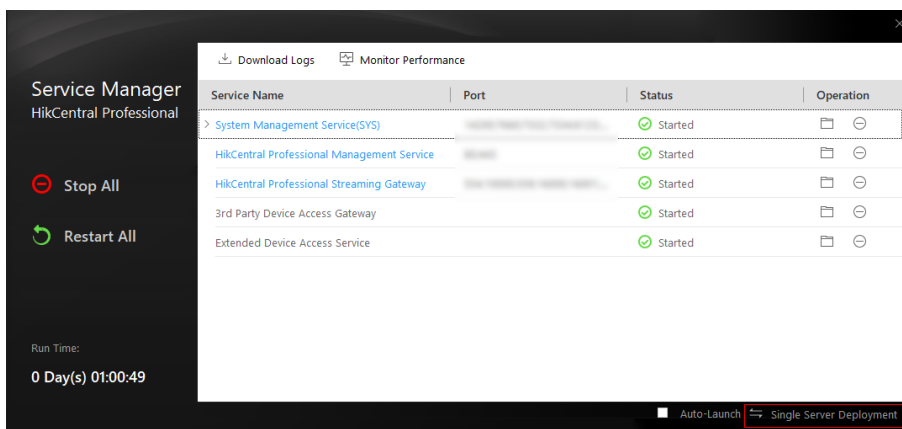
Name	Address	Current Status	Latest Offline Time	Total Number of Times Offline	Total Offline Duration	Operation
[Device Name]	[Address]	Online	2021-11-29 19:39:39	0 Times	00:00:00	[Icon]
[Device Name]	[Address]	Online		0 Times	00:00:00	[Icon]
[Device Name]	[Address]	Online		0 Times	00:00:00	[Icon]
[Device Name]	[Address]	Online	2021-11-29 15:14:57	2 Times	00:09:57	[Icon]
[Device Name]	[Address]	Offline	2021-11-30 11:59:04	61 Times	04:48:04	[Icon]
[Device Name]	[Address]	Online		0 Times	00:00:00	[Icon]

6. Supports batch displaying status of cameras, encoding devices, and decoding devices on remote sites.

7. Supports dual-server deployment on the Service Manager.

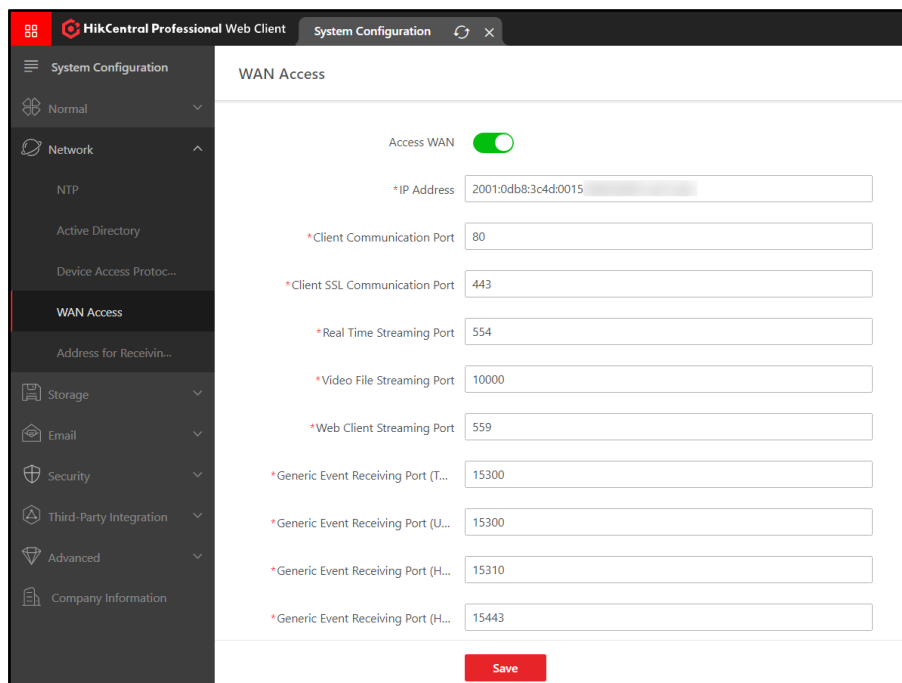


- Supports switching between single server deployment and dual-server deployment.

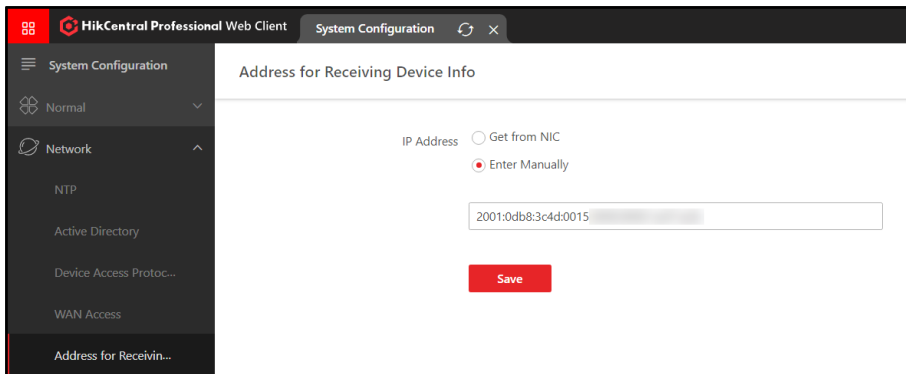


## System Configuration

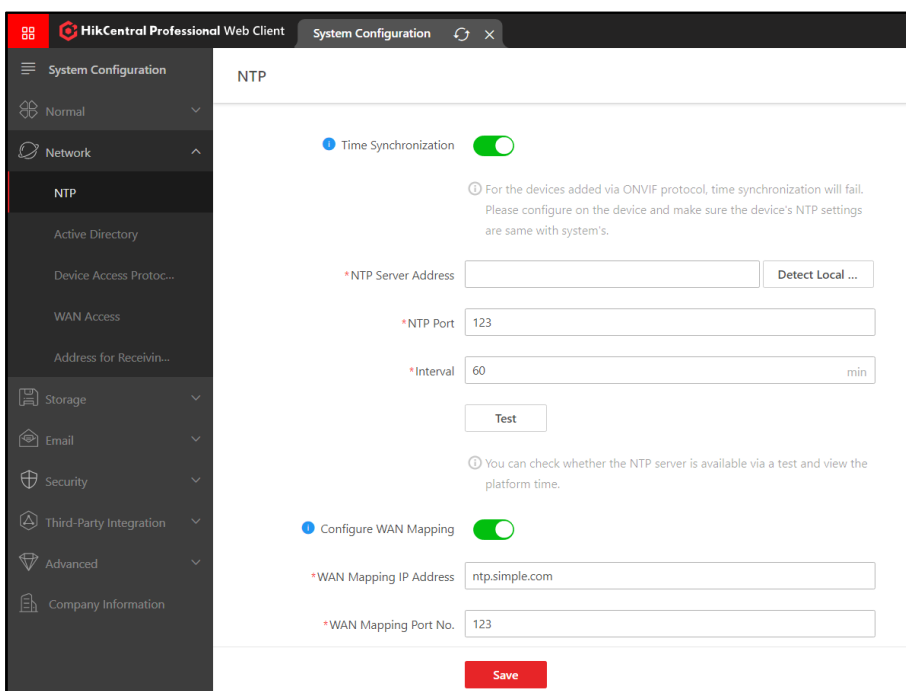
- Supports configuring an IPv6 address for WAN access.



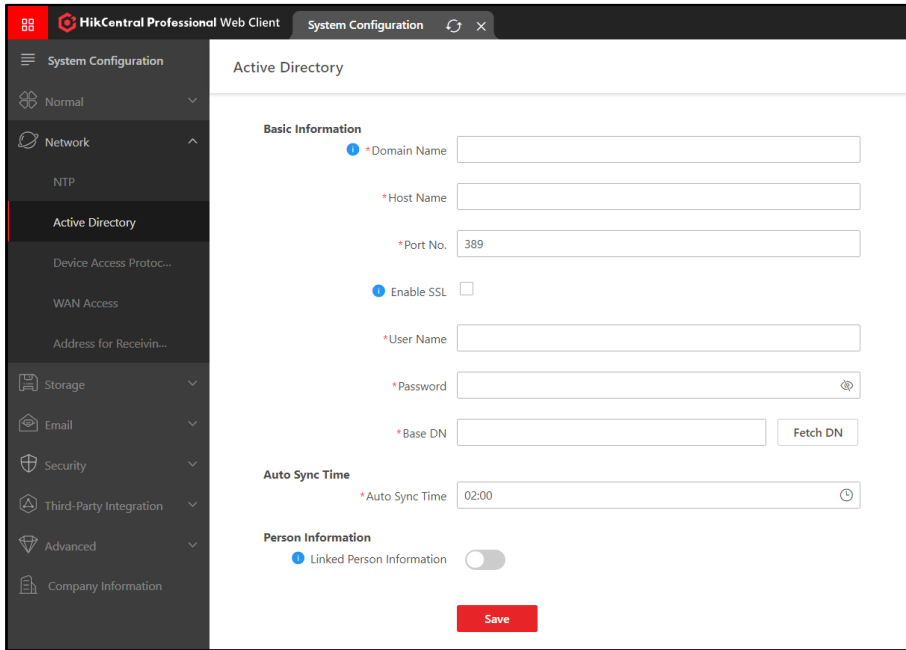
- Supports configuring an IPv6 address for receiving the device information.



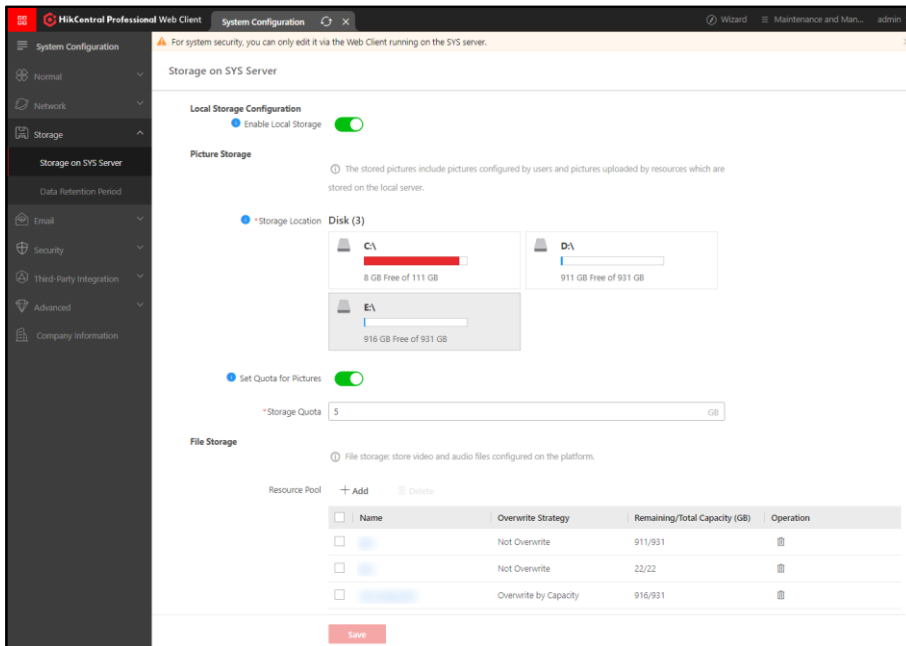
3. Supports detecting whether the server supports local NTP.
4. Supports configuring WAN mapping for the NTP server.



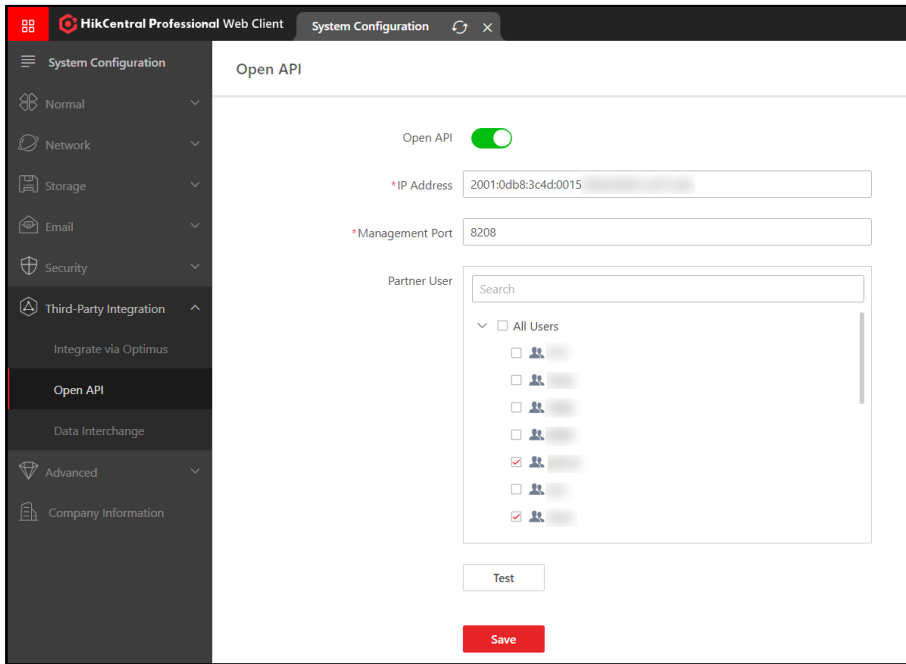
5. Supports configuring the automatic synchronization time for the AD domain.



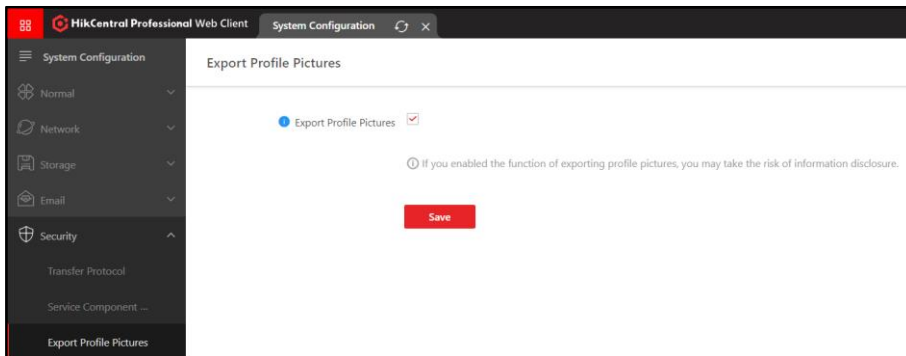
- Supports adding, editing, deleting, and searching resource pools of local storage.



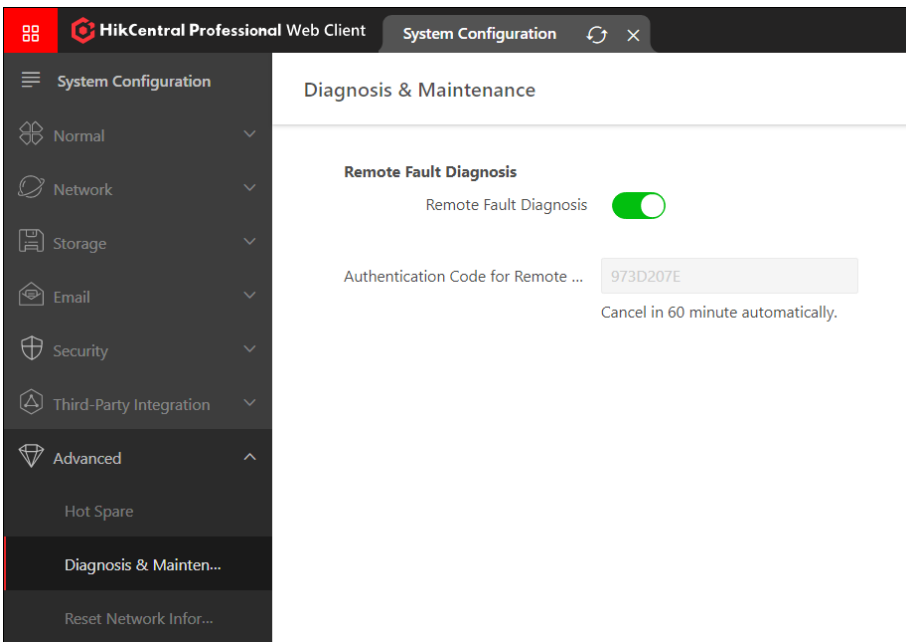
- Supports configuring an IPv6 address for third-party integration via Open API.



- 8. Supports enabling or disabling the function of exporting profile pictures.

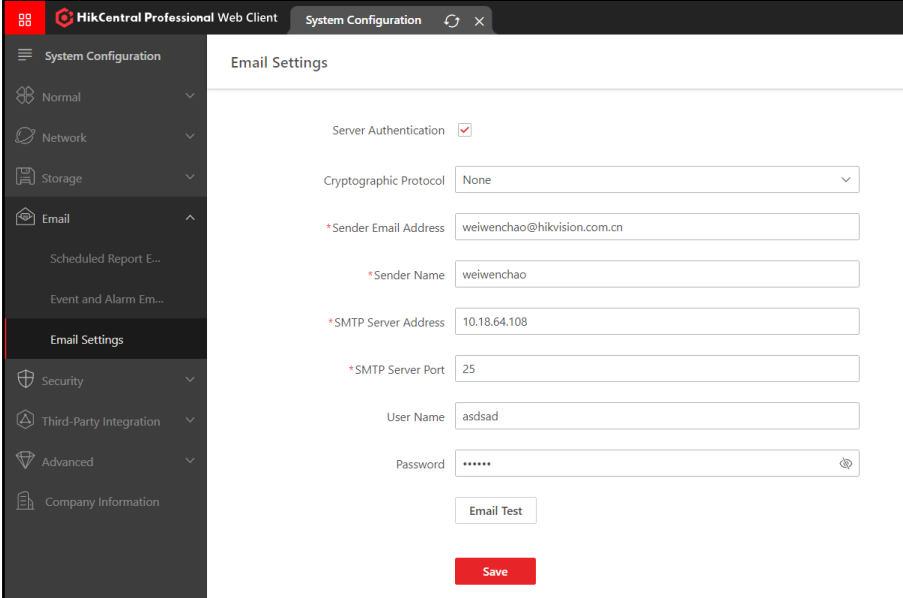


- 9. Supports enabling or managing remote fault diagnosis (getting the event tracking information).



- 10. Added database connection pools to reduce the number of database processes.

- Deleted the constraint that the password is required for email server settings.



The screenshot displays the 'Email Settings' configuration page in the HikCentral Professional Web Client. The left sidebar shows the navigation menu with 'Email Settings' selected. The main content area contains the following fields:

- Server Authentication:
- Cryptographic Protocol:
- \*Sender Email Address:
- \*Sender Name:
- \*SMTP Server Address:
- \*SMTP Server Port:
- User Name:
- Password:

Buttons: 'Email Test' and 'Save'.

## OpenAPI

- Support searching for the information about faces by camera.
- Support adding/editing/deleting a visitor's reservation records. Support searching for reservation records.
- Support searching for the custom information about visitors. Support searching for the information about visitor groups and visitors' information.
- Support searching for visitors' information by condition. Supports getting the information about a single visitor.
- Support getting the real-time statistics of resource groups. Support getting the list of resource groups.
- Added 56 alarm/event types about camera, such as loitering, people gathering, camera recording exception, wrong-way driving, and fast moving.
- Added 38 alarm/event types about card swiping, such as duress alarm, access granted by employee ID and fingerprint, and access denied by employee ID and face.
- Support getting the parking lot information list. Support searching the vehicle passing records of a specific parking lot and the vehicle's parking records and parking duration. Support getting the occupancy of parking spaces on specific floors and parking spaces of each type.



See Far, Go Further