HIKVISION

HikCentral Professional V1.4

What's New

This document briefly introduces the new functions and features in the **HikCentral Professional 1.4** updated from Version 1.3.2.

The content of this manual is furnished for informational use only and it is subject to change without notice.

1. Added

1.1 Global

- **Supports server distributed deployment of System Management Service and Application Data Service (available when License supports).**
- **Video**
  - Facial recognition server (firmware version V1.2) accessible.
  - Dock station accessible.
  - Supports evidence collection function. After enabled, you can upload the videos to SFTP as evidence.
  - Supports setting bandwidth limit for video downloading from NVR (V4.1.50 and above) and pStor (V1.3.1 and above) save on the total bandwidth.
  - Supports heat analysis of second generation of fisheye cameras (fisheye camera V5.5.70 and above, NVR V4.21.000 and above)
  - Supports pathway analysis of second generation of fisheye cameras (V5.5.71 and above). This function is not supported if the camera is accessed via an NVR.
  - Supports accessing people counting, ANPR, and heat map cameras via NVR (V4.21.000 and above). After added, the system can get the data recorded 7 days before. System can get the data recorded during the disconnected period after connecting to the camera again.
  - Supports accessing devices which are not in the same time zone with the SYS server.
  - Newly added event and alarm type: Dock Station Online/Offline, Device Armed/Arming Failed, Channel Armed/Arming Failed, HDD Exception
- **Access Control**
  - Newly supported device models: DS-K2600 series, DS-K1T607 series, DS-K1T501SF, DS-K1T500S, etc.
  - Newly added event and alarm type: Multi-Door Interlocking and Calling Surveillance Center.
  - Added camera management of the video access control terminal: importing to area, live view, recording settings, playback, etc.
- **Security Control**
  - Axiom security control panel and video security control panel accessible.
  - Added camera management of the video security control panel: importing to area, live view, recording settings, playback, etc.
  - Newly added event and alarm type for the newly supported device type.
- **Added logs downloading on the Service Manager**

- **During installation, the recommended running environment will show.**
- **Added package of Control Client (64-bit). The complete package only contains the 64-bit Control Client.**

1.2 Web Client

- **Supports access the Web Client via Safari web browser on Mac OS.**
- **Supports upgrade device firmware version.**
- **Physical View**
  - ➢ Supports N+1 hot spare for NVRs (V3.1.0 and above)
  - ➢ NVR (V4.21.000) accessible via EHome protocol 5.0
  - ➢ Adding NVR to system as Recording Server for picture storage.
  - ➢ Supports setting the video copy-back's start and end time and set the video expiration for Hybrid SAN (V2.3.4-3)
  - ➢ Supports adding Application Data Server for distributed deployment
  - ➢ Supports adding facial recognition server
- **Event and Alarm**
  - ➢ Set active control for events and alarms and set a threshold for reactivation. The same events/alarms triggered within the threshold will be regarded as one event/alarm.
  - ➢ If you set one alarm's arming schedule as event based, you can enable the auto-ending arming function and set the specified time to automatically end arming for this alarm even if the end event doesn't occur.
- **Access Control**
  - ➢ Device accessible via EHome protocol 5.0, functions supported including device adding, access point settings, access control application settings, etc.
  - ➢ Added door access forbidden schedule and multi-door interlocking settings to the access control applications
  - ➢ Added time zone settings of the device.
  - ➢ Firmware upgrade for the devices and card readers.
  - ➢ Added access forbidden schedule settings when editing access point's parameters.
  - ➢ Added access forbidden schedule when copying the access point's settings to others.
  - ➢ Added multi-door interlocking settings.
  - ➢ Added entry & exit counting rule settings.
- **Person Management**
  - ➢ Supports reporting card loss and canceling card loss.
  - ➢ Support dual-frequency card.
  - ➢ Supports getting person information from access control device, including person and credential information.

- ➢ Supports issuing cards, the card numbers of which are in one segment, to persons in a batch by setting a start card number.
- ➢ Supports dock station group settings and setting login password when adding person.

- **System**
  - ➢ Supports setting the first day of the week which is used in the report.
  - ➢ Supports setting the temperature unit to Celsius degree, Fahrenheit degree, or Kelvin degree.
  - ➢ Supports encrypt the data transmission between servers in Transfer Protocol settings
  - ➢ Supports setting the health check frequency of the system's resources.
  - ➢ Supports viewing database's password

- **Role and Users**
  - ➢ Added Close Auxiliary Screen in the role's permissions.
  - ➢ Added Evidence Collection, Camera Settings in License, Person Access in the role's permissions.
  - ➢ Added permission schedule and supports assigning permission schedule to different roles to define the valid time period on different days in one week.

1.3 Control Client

- **Monitoring**
  - ➢ Supports adding tag to the video in live view.
  - ➢ Optimized the tag type to event triggered tag, manually added tag, and others. Supports searching tagged video by tag type.
  - ➢ Added map in the view.
  - ➢ Provides diagnosis when live view and playback failed.
  - ➢ In Camera Status, supports displaying the constant bitrate configured on the connected NVR.

- **Access Control**
  - ➢ Added entry & exit counting to calculate the amount of persons staying in certain region.
  - ➢ Supports forgiving anti-passback violations (real-time and history).
  - ➢ Supports displaying the access direction (entering or exiting) of turnstile.
  - ➢ Supports handling opening door request from video access control terminal, including voice talk and unlocking door.
  - ➢ Supports showing access point's real-time status on map
  - ➢ Supports remaining all access points unlocked

- **Smart Wall (Graphic Card)**
  - ➢ Display all contents in live view on smart wall.

- ➢ Display live view of one camera on smart wall.

- ➢ Display live view of all cameras in one area on smart wall.

- ➢ Display e-map and GIS map on smart wall.

- ➢ Display view and view group on smart wall.

- ➢ Display alarm's related video on smart wall.

- ➢ Display Health Monitoring page on smart wall.

- **Smart Wall (Decoding Device)**

  - ➢ When the window is locked, the operations, such as window division, sub-window enlarging and restoring, displaying live view on smart wall, etc., are not allowed.

  - ➢ When the window is in playback, the operations, including window division, sub-window enlarging and restoring, and switch views, are not allowed.

  - ➢ Displaying live view of cameras of added video security control panels and video access control terminals on smart wall.

  - ➢ Newly supported decoding device: DS-6500UD-T series decoder.

  - ➢ Newly supported network keyboard: DS-1100KI (firmware V3.1.1, V4.0, and V4.1)

- **Supports displaying the arming status in Health Monitoring page.**

- **Supports setting the auto-refresh interval of Health Monitoring for the client gets the latest resource status from server.**

- **Supports scheduled downloading in the Download Center.**

1.4 Mobile Client

- **Supports adding tags to specific parts of the video footage during playback.**

- **Supports adding person to face comparison group.**

- **Supports marking the days with recorded videos on the calendar when setting the time to start playback.**

- **Supports displaying resources by resource types (camera, door, or UVSS) or displaying all the resources in the Favorites.**

2 Edited

2.1 Global

- **Changed the product name from HikCentral to HikCentral Professional.**

- **Optimized the error code description.**

- **Users need to specify the detailed cameras with facial recognition, ANPR, and thermal imaging functions respectively. The price of these functions depend on the number of the**

    cameras.
- **Up to 512 access points can be managed in the system.**
- **Upgraded the system database version to 9.6.10.**

2.2 Web Client

- **Edited the process of device adding by Hik-Connect service. If the device is added to the system, it will be added to the Hik-Connect account.**
- **Highlights the presets and patrols that are configured.**
- **Edited the user interface of fisheye dewarping on the Web Client.**
- **Supports getting device's recording schedule when importing encoding device by an Excel.**
- **Supports linking all access points as event's linkage action.**
- **Person Management:**
  - Up to 1,000,000 persons can be managed (50000 for access control).
  - Up to 250,000 credentials can be managed.
  - Supports storing person profiles in database.
  - Changed the template format to Excel for importing persons.
  - Supports additional information when importing and exporting person information in a batch.
  - Supports card operations when importing person information in a batch.
  - Supports dock station group settings when importing person information in a batch.
  - Supports searching and filtering persons by additional information.
  - Supports deleting the persons after filtering by certain conditions.
  - Supports time zone for the person and card's effective period.
  - Optimized profile uploading to solve the problem that applying profiles to device may fail due to the picture compression.
  - Optimized profiles matching rule.
  - Supports linking person profile in the AD domain with the one in the system.
- **Time and Attendance:**
  - Supports calculating the attendance records in different time zones.
  - Supports filtering the attendance results by the attendance group name.
  - When exporting attendance records, supports compressing the exported file to a ZIP package if the exported file is larger than 50 MB.
  - Supports sending an attendance report automatically and regularly.

2.3 Control Client

- **Monitoring**

➢ Edited the minimum interval of auto-switch to 5s.

➢ Edited the maximum playback speed to 16X.

➢ Optimized the process of view configuration. You can add the cameras in the resource list to the view directly.

● **Edited the device arming mode as arming by event type. Only the events and alarms configured in the system can be armed.**

● **Access Control**

➢ Supports searching access records by device time or client time.

➢ Added card number and profile in the person information of real-time access records.

● **Smart Wall (Decoding Device)**

➢ When the window is locked, the operations, such as window division, sub-window enlarging and restoring, displaying live view on smart wall, etc., are not allowed.

➢ When the window is in playback, the operations, including window division, sub-window enlarging and restoring, and switch views, are not allowed.

➢ Fixed the bug that when the decoding device is offline, if the service is restarted, the linkage between the window and decoding output will be lost. The linkage will recover after the device gets online.

➢ Fixed the bug that the access might be denied when switching the views.

2.4 Mobile Client

● **For iOS mobile client, the client will play audio prompt when receiving an alarm no matter the App is running background or front, when the mobile device's audio is on.**

● **Supports sub-areas in the resource tree.**

● **Supports playing the live videos or video footage of multiple resources simultaneously.**

● **Optimized the logic of remembering password.**

● **Supports Private View and Public View.**

● **Make the HD version's user interfaces of Live View and Playback page consistent with the phone version.**