User Manual

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Chapter 1   Added Features

1.1 Video

1. Get recording schedule from device when adding an encoding device by Hik-Connect.
2. Highlight resources on the map which triggered unacknowledged alarms.
3. Added new events including HDD Bad Sector, HDD Full, HDD High Temperature, HDD Impact Detection, HDD Severe Failure.
4. The platform is able to get face pictures from devices.
5. Supports adding DeepinMind Server for archive search, getting similarity of two face pictures, and identity verification.
6. Display and export history online status of encoding device and camera, history online rate of encoding device and camera, history recording status and period of camera, system recording integrity rate, recording integrity rate of camera on the Control Client.
7. Health monitoring supports exporting real-time overview and detailed data.
8. Display network camera’s model, serial No., and firmware version when batch updating network cameras managed by an NVR.

10. Supports selecting all licenses for deactivation.
11. Supports adding behavior analysis server to the platform, configuring behavior analysis task, configuring and receiving DeepinMind Server Online/Offline event, displaying behavior analysis server’s status.


14. Start live view or playback by dragging an area to a window or double-click an area name via the Web Client.

15. Supports configuring people counting group to get people's moving direction, configure People Amount More/Less than Threshold alarm, and display real-time people amount and alarm status on the map.
16. Supports adding security audit server, configuring and receiving alarms from the server, and display status overview on the Health Monitoring page.

17. Supports configuring visual tracking via the Web Client, which could be used in Monitoring, Alarm Center, and Video Search.

18. Supports offline GIS map.
19. Supports Intelligent Analysis module on the Web/Control Client displaying reports including people counting, queue analysis, heat analysis, etc.

20. Users with Administrator role is able to freeze/unfreeze other users with Operator role.

21. Supports intelligent reports based on the resource groups, analyzing data in one region:
   - People Counting Group: calculating people accessing doors related with the camera.
   - Heat Analysis Group: used to know the dwell time of the people stayed in this region, how many persons stayed in this region, and average dwell time of each person.
   - Person Feature Analysis Group: analyzing gender and age of detected people.

22. New languages supported: Hebrew, Arabic, and Ukrainian.

23. Provides an installation package of Control Client in MSI format. For scenario with Active Directory Domain Services (AD DS), you can install/upgrade the Control Clients on the PCs in the AD domain in a batch by Windows® Group Policy.

24. Supports color coded heat map displaying real time color blocks of regions with different amount of stayed people.

25. Fisheye dewarping mode during live view with GPU decoding enabled.


27. Acknowledge multiple alarms in a batch.
28. Supports configuring alarm resource group of which alarm triggered in this group can be displayed on the map in real-time.

29. Vehicle brand, color, direction, and type added to vehicle passing record.

30. Supports continuing downloading video after reconnecting to the network again.

31. Enable/disable wipers in a batch after selecting cameras on the Control Client.
32. Manage FOV cameras to get GPS location, FOV, view radius, compass information, display location and detection area on GIS map, and the detection area can be changed by PTZ control.

### 1.2 Access Control

1. Supports configuring device actions for access event, card swiping, person ID, and MAC address linkage on the configuration page of the access control device.

2. Supporting verifying face quality by device and selecting a device to check its quality when uploading a face picture from the current computer or collecting a face picture by a facial recognition terminal as a person profile.
3. Supports configuration of fingerprint recognition, facial recognition related parameters, and card reader type when editing the doors in the Logical View.

4. Supports credential for dismiss including card and fingerprint when adding a person.
What’s New for HikCentral Professional

5. Supports enabling NFC card and adding related event.
6. Working mode for facial recognition terminal: permission free mode and normal mode.
7. Supports enabling deep mode for facial recognition mode.
8. Configure multi-factor authentication and related events.
9. Supports configuring resource groups for access control applications, including entry & exit counting groups, anti-passback groups, and multi-door interlocking groups.

10. Supports grouping the resources for calculating the number of people stayed in a region and locating the group on the map. The region of the group will be highlighted on the map and people list will be sent to the linked email when an alarm input event occurs.
11. Multiple languages for template of batch adding access control device.
12. Add/delete/edit person groups, move persons to other person groups.

13. Link person group with attendance group or access group. The newly added person in the person group will be automatically added to the linked attendance group or access group. Add a person to existing attendance group and access group when adding the person.
14. Supports Rental Mode oriented for users who has less permissions than normal users.

15. Get person group when importing domain persons to the platform.

1.3 Time and Attendance

1. Attendance rule configuration:
   - General rule: includes weekends, absence, and automatic calculation of attendance time.
   - Overtime parameters: includes work hour rate, daily overtime level, and overtime on
What’s New for HikCentral Professional

- Attendance check point: includes setting a facial recognition terminal as a check point, and selecting attendance check point type as check-in & out, check-in only, and check-out only.
- Leave type: includes major leave type and minor leave type.

2. Added new repeat schedule for shift.
4. Optimized attendance rules including Late Allowable, Early Leave Allowable, T&A Status on Device configuration, break duration deduction (including auto deduct and must check).

5. Added new work hour calculation mode: First In & Last Out and Each Check-In/Out.

6. Set holiday as regular holiday and irregular holiday.
What's New for HikCentral Professional

7. Attendance records and correct attendance records: supports exporting attendance records, recalculating attendance time, and getting attendance records from device

8. Supports generating attendance report as a regular time schedule report

9. Handle exceptional attendance records, including correcting check-in/out and applying for leave. Supports viewing handling records.

10. Supports 23 types of attendance reports including normal attendance, abnormal attendance, and overtime as files in PDF/Excel/CSV/TXT

11. Customize display rules for attendance report including company information, format of date and time, marks of different status.

12. Set check-in/out not required and effective for overtime for an attendance group.

13. Supports setting temporary schedule for attendance group and setting up to 4 temporary shift schedules for an attendance group

14. The attendance data recorded in HikCentral Professional can be used by third-party databases of two types including SQLServer and PG databases for calculation or some other operations.
1.4 Elevator Control

1. Add elevator device:
   - Search and add detected online elevator devices
   - Add elevator by IP address/IP segment/Batch Import

2. Add floors, alarm inputs, and alarm outputs of elevator control devices into different areas for further operations.

3. Add offline elevator devices by IP segment or in a batch.

4. Manage elevator resources: name, floor No. configuration, time parameters, access schedule configuration, access level, etc.
5. Get elevator name and apply elevator name to device.


7. Support License configuration and giving permission for elevator management to a role.

8. Configure time zone for elevator control device.

9. Configure elevator control device’s parameters including time, device actions of elevator event and person ID, NFC anti-cloning, M1 card configuration, etc.

10. Add elevators to the map as hot spots.

11. On the Control Client, view the live video of the elevator’s related cameras, view floor status, view real-time access records, and control the floor status as free access, access forbidden, access with credential.

12. Control all floors’ status at a time: All free access and all access forbidden.

13. Manage card authentication records of elevator.

**1.5 Security Control**

1. Supports accessing OpenAPI. See HikCentral Professional OpenAPI Developer Guide for
What’s New for HikCentral Professional

details.
2. Supports DS-PEAP series security control devices. See HikCentral Professional V1.5_Compatibility List of HIKVISION Products for details.
4. Manage radars including DS-PR1-60 and DS-PR1-120.
5. Supports adding security audit server, receiving alarms from the server, and displaying status overview of the server on the Health Monitoring page.
6. Configure events and alarms for elevators, elevator control devices, and alarm inputs.
7. Alarm when people amount in an area exceeds the defined threshold.

1.6 Visitor

1. Visitor management: including visitor information management, visitor list management, deleting visitor, and moving visitor to other group.
2. Visitor’s access level management.
3. Register or edit information of a single visitor or multiple visitors in a batch.
4. Search and export visitor records.
5. Support automatic check-out by the system or manual check-out by the visitor.
6. Generate and download visitor QR code and send it to visitor’s email box.
7. Supports setting retention duration for visitor registration records.

8. Supports purchasing visitor-related license, giving visitor related permissions to a role, and generating visitor-related operation logs

1.7 Smart Wall

For Decoding Display:
1. Display live view of cameras with encryption key on smart wall.
2. Pop up notification of streaming failed when displaying encoding device’s video on smart wall.
3. Display multiple cameras’ live view on the smart wall in a batch.
4. Supports enabling/disabling VCA when displaying video on smart wall.
5. Supports setting schedule for displaying views on smart wall.

For Graphic Card:
Display GPU usage of graphic card on the wall.
Chapter 2  Updated Features

2.1 Video

1. Configure recording schedule by minute.

2. The Control Client will remember the Monitoring’s playing mode (live view or playback) and resume to the mode you used after restarting.

3. Select all resources on the map and start live view or playback by single-window auto-switch or play in a batch.

4. Totally different categories of Video Search:
   - Search Video Footage by Time Range, Tag, or Locked
   - Search Video on Device includes Dock Station, Transaction Event, and ATM Event
   - VCA Search for Motion Detection, Line Crossing, and Intrusion
5. Face Search includes Captured Pictures, Matched Pictures, and Frequently Appeared Person.

6. Select up to 200 cameras for person search.
7. Optimized navigation bar of the Control Client.

2.2 Access Control

1. Supports configuring different parameters for two card readers of a door respectively.
2. Collect fingerprint by Ehome5.0 devices.
3. Issue card by Ehome 5.0 devices.
4. Collect face pictures by a device when adding a person.

5. Categorized Door related triggering events into 3 types: Normal Card Swiping, Abnormal Card Swiping, and Other Door Event.
6. Check the event types you want to subscribe, so that the current Control Client can receive events from all the access points and display the events in the event list.

7. Supports applying multi-factor authentication settings to access control devices.
8. Add visitor and check in for the visitor by the Mobile Client.
9. View card swiping records of visitors and persons respectively.
10. Access group for persons and visitors.
11. Configure access level for doors and floors.
12. Supports adding up to 10,000 persons to an access group and attendance group.
13. Quick-jump to the Web Client from the Health Monitoring page when exceptions are detected.
14. Search person by multiple additional information.

2.3 Smart Wall

For Decoding Device:
1. More fluent and stable speed-up playback.
2. Optimized rule for displaying alarm related video on smart wall for higher screen usage.
See Far, Go Further