



 **HikCentral**
POWERFUL.
FLEXIBLE.
EFFICIENT.

HIKVISION



What is HikCentral?

At Hikvision, we strive to develop and deliver the very best end-to-end solutions in the security industry. HikCentral provides you with a comprehensive central management system (CMS) by bringing together powerful video surveillance and access control systems of any size. The modern and powerful desktop, web, and mobile clients can access the centralized system from anywhere they are needed. A key benefit of HikCentral is the flexibility to add functions and services from collaborative partners, which is essential to providing solutions tailored to your specific needs and requirements. This highly efficient platform can be deployed on preloaded servers, virtual machines, and cloud services. HikCentral is a powerful, flexible and efficient security management platform.

POWERFUL

HikCentral has the power to manage multiple security systems from a single point of command and control. Video, access, intercom and alarm points are brought together and managed through a single graphical user interface (GUI) thereby reducing overall operational costs.

FLEXIBLE

HikCentral is modular application software. You only pay for the modules you need, and you can add modules whenever your security and business needs change. HikCentral also has the flexibility to integrate with third party access control, automation, central monitoring and other systems.

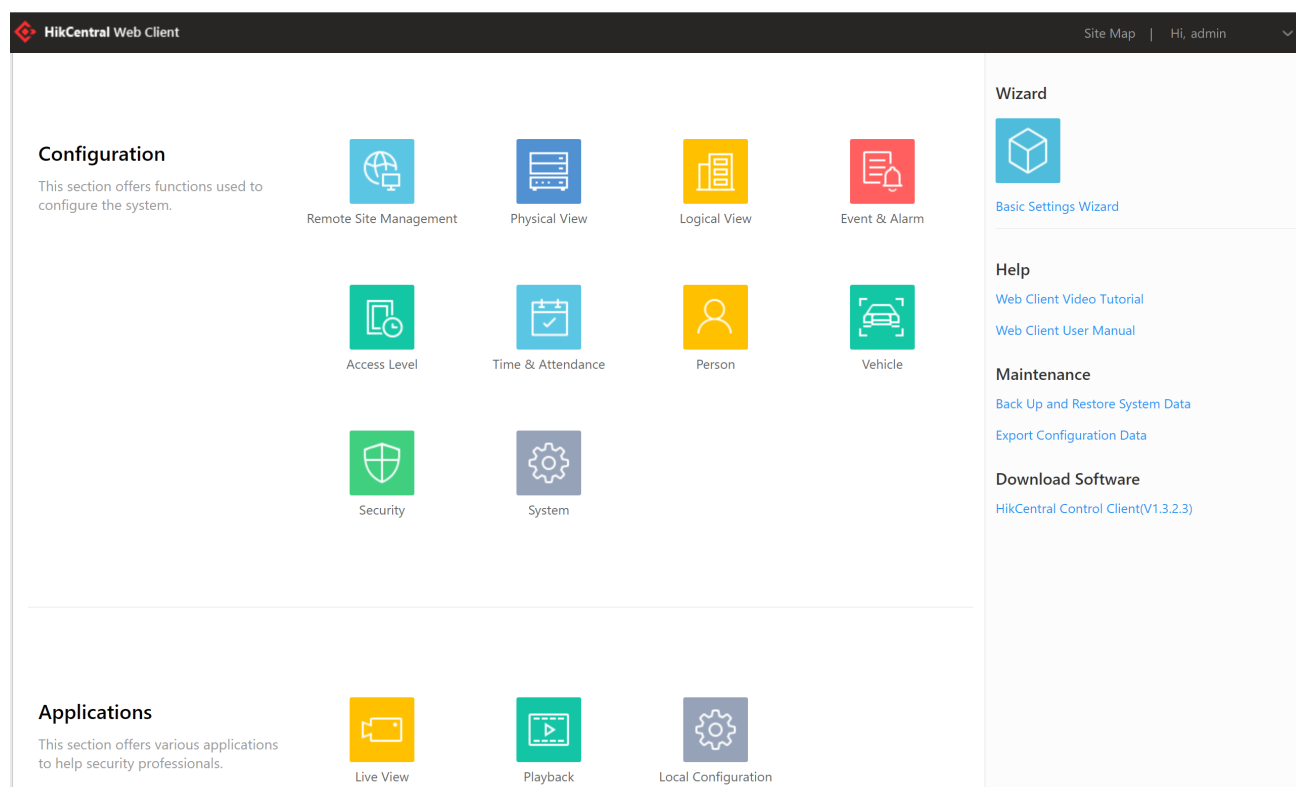
EFFICIENT

Multiple sites should not mean multiple systems to manage. HikCentral helps you easily manage thousands of local, national or global sites from a single computer. If you are away from your security system you can receive intelligent alerts via text message, email or mobile app, and log in from a remote computer.

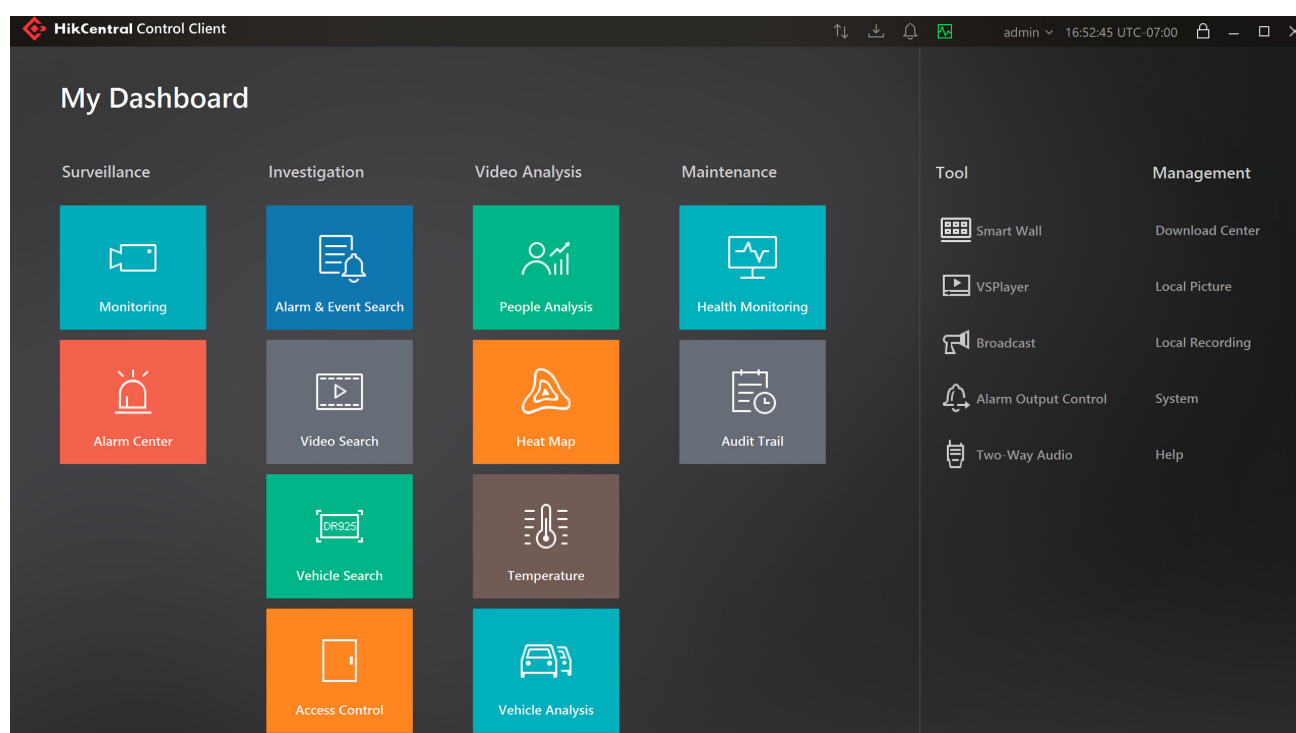
The Advanced Functionality of HikCentral

Based on a client-server model, HikCentral offers a central management system for businesses to manage and run daily security tasks. You will find surveillance-related functions such as live viewing and playback on the platform along with other integrated functions such as facial recognition, access control, alarm management and configuration, vehicle management with license plate recognition, under vehicle surveillance and more. All these functions combine to create a powerful, flexible and efficient central management system.

One server can manage up to 3,000 cameras and 512 access points. Through the use of the Remote Site Management (RSM) module you can add and manage multiple servers to create a system with up to 100,000 cameras altogether. While being highly sophisticated, HikCentral is designed for ease of operation. The user interface is clear and intuitive without any right-click menus, making it convenient to perform tasks ranging from video management to user-authorization management. With robust data protection, a fail-safe design, high scalability and user friendliness, HikCentral is the ideal central security system.



Main dashboard of HikCentral Web Client for centralized system management



Main dashboard of HikCentral Control Client for full client capabilities on Windows-based machines



HikCentral Overview

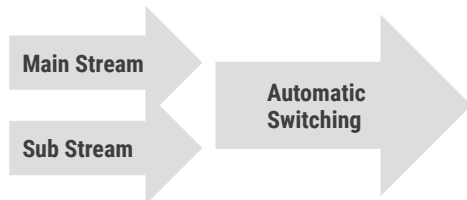
HIKCENTRAL ADVANCED FUNCTIONS INCLUDE:

- Active Directory Integration
- Flexible Video Controls
- Powerful Video Search and Playback
- Low Bandwidth Adaptability
- Advanced Alarm Management
- Powerful Map Integration
- Access Control Management
- Dynamic Smart Walls
- Modern Clients for Web, Workstation and Mobile
- Intuitive Fisheye View Expansion and PTZ Controls
- Facial Recognition Surveillance and Access Control
- License Plate Recognition Management
- Under Vehicle Surveillance System (UVSS)
- Health Monitoring and Audit Trail Assist Maintenance
- 3rd-Party Integration with OpenSDK
- Flexible Middleware Based on OpenSDK Available

Flexible Video Controls

LIVE VIEW

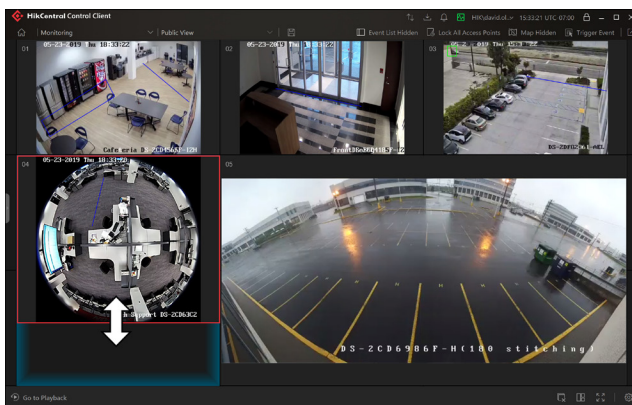
Automatic switching between high definition main stream and lower resolution sub-stream helps maintain high quality of service by requiring less network bandwidth and PC performance when multiple cameras are viewed simultaneously. Plus, the window size threshold for automatic stream switching is adjustable in the Control Client.



With the main/sub-stream auto-switch threshold set to 1/9 of the screen, three streams above remain in main stream.

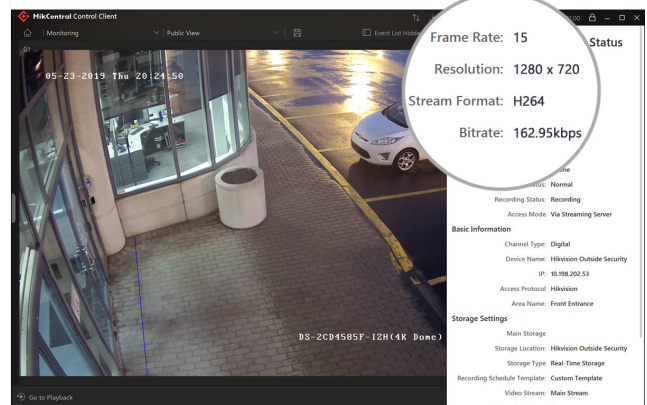
ADAPTIVE WINDOW DIVISION

Adaptive window division provides more intuitive and convenient video channel organization.



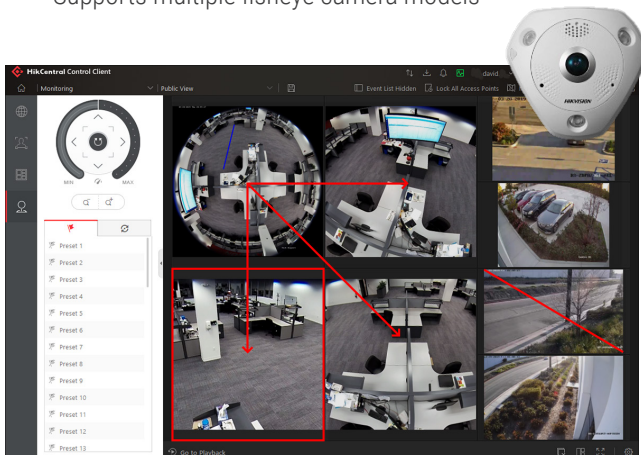
SMOOTH STREAM

Video bit rates auto-adjust for slow networks going from supported video recorders and cameras to HikCentral clients.



FISHEYE CAMERAS

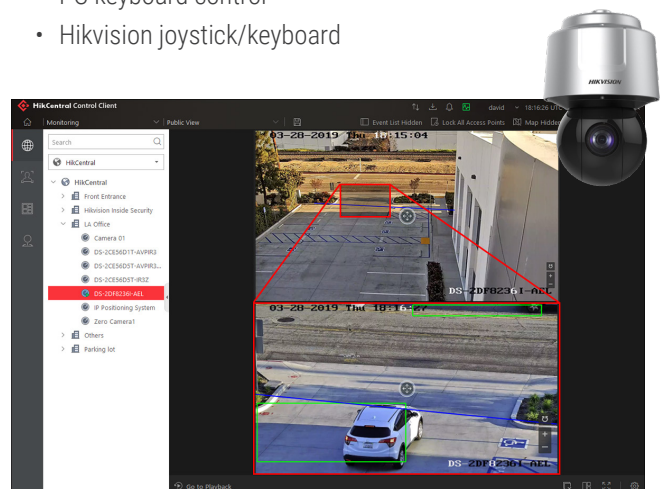
- Flexible PTZ operation
- Intuitive zoom and expanded viewing
- View multiple fisheye expansions and other cameras together
- Supports multiple fisheye camera models



PTZ CAMERAS

Four intuitive PTZ control methods

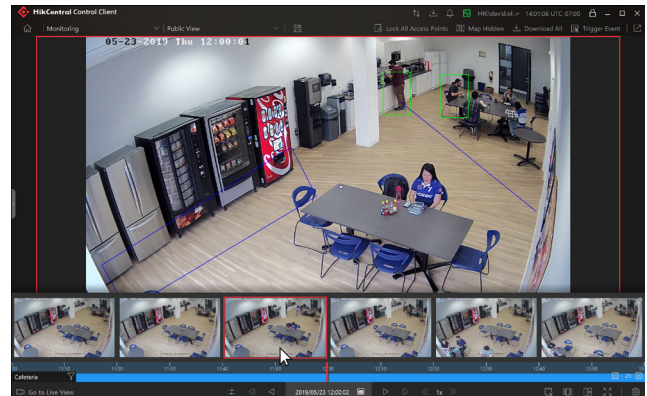
- On-screen drag, scroll and 3D positioning
- On-screen sidebar controls
- PC keyboard control
- Hikvision joystick/keyboard



Powerful Video Search, Playback, and Export

PLAYBACK FEATURES

- Thumbnails provide quick incident location
- Tag incidents for subsequent review
- Lock video segments to protect from overwriting
- Export video for secure, easy sharing
- Digitally zoom in to capture details
- Expand and explore fisheye video post-recording
- Capture pictures and print with notes
- Send playback to your smart wall
- Synchronize or desynchronize multiple channels
- Smooth streaming adapts to slow networks
- Frame-extracting playback saves more bandwidth



Thumbnail timeline in video playback



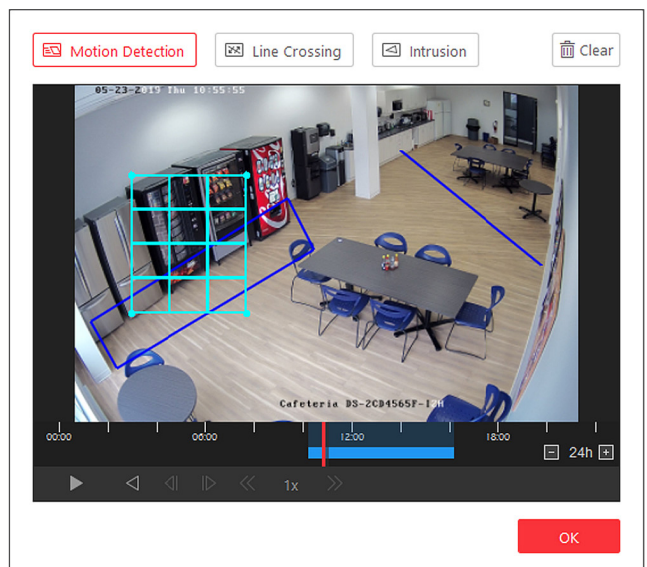
Toolbar for video playback features

VIDEO CONTENT SEARCH

After-the-fact video content analysis (VCA) speeds pinpointing the event of interest using any of these search types.

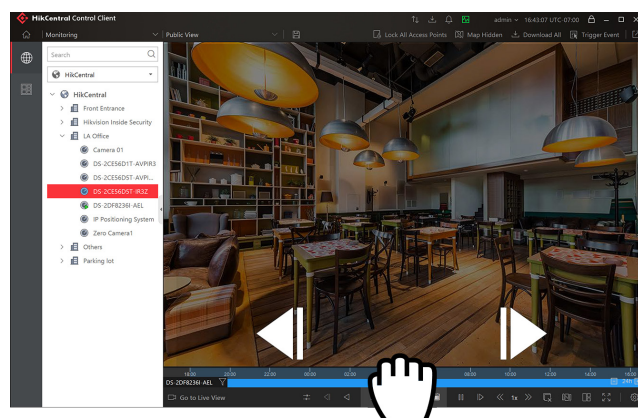
- Rectangular area motion detection
- Line crossing detection
- Polygonal area intrusion detection

Video content searching requires Hikvision cameras with VCA capabilities.



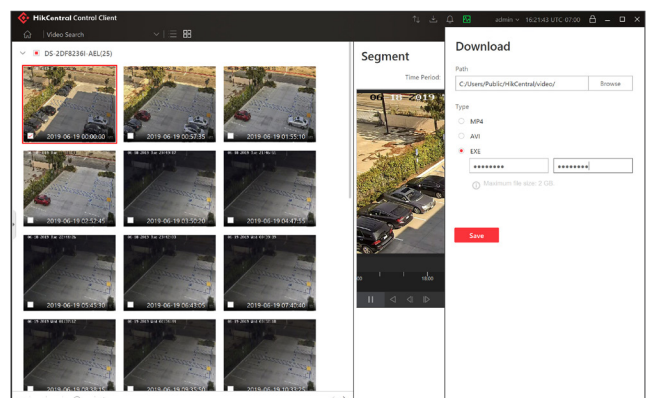
PLAYBACK AT YOUR SPEED

- Drag the time bar to skim through video
- Forward and reverse as fast as needed
- Quickly find the events you are looking for



EXPORT VIDEO

- Continue working while exports download
- Export portable EXE, AVI or MP4 files with password protection
- Merge multiple clips into one continuous video file
- Export multiple channels as a single exe file



Advanced Alarm Management

ALARM CENTER

Efficiently manage all alarms in the Alarm Center of the Control Client. Process alarms with the help of simultaneous access to the related camera feeds and maps for situational awareness. The alarm, camera and map feeds can be displayed in one program window or split up and displayed on separate monitors

DYNAMIC ALARM ARMING

Alarms can be dynamically armed and disarmed based on other events or alarms. For example, a single input from an alarm panel can be used to arm and disarm the local surveillance system when needed. Alternatively, one alarm can arm another type of alarm to create a composite alarm having high reliability. For example, a PIR motion detector can arm a video content analysis (VCA) intrusion alarm to detect a person remaining in a certain area for a number of seconds, which can eliminate many false alarms compared to VCA only.

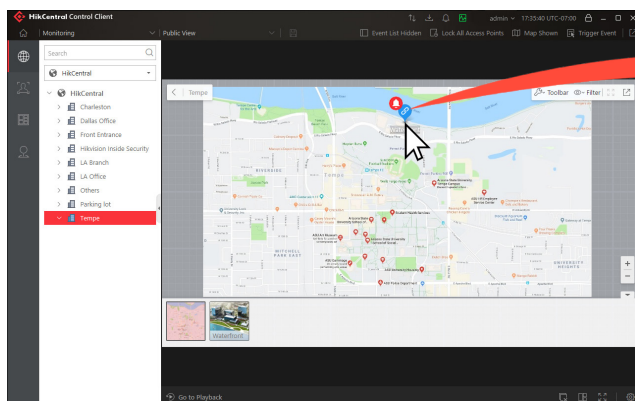


ALARM ESCALATION

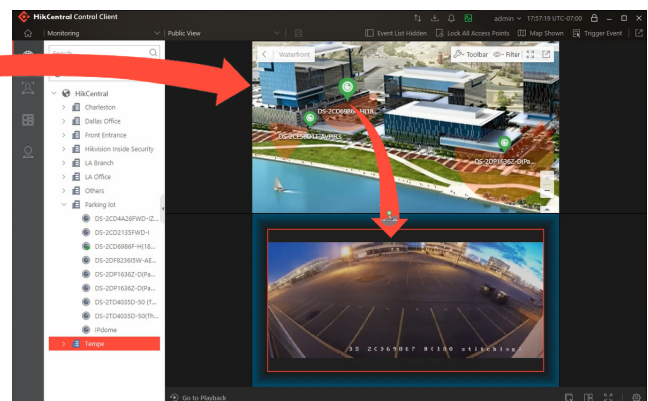
When an alarm is not handled within a user-defined number of minutes, the alarm can automatically trigger another event and escalate to another operator.

Powerful Map Integration

- Configure multi-layer maps ranging from global to floor plans
- Label relevant resources such as cameras, doors and alarms
- Operate live view, playback, and device outputs from the map
- Respond to alarms efficiently with location awareness



Click a map hot zone to open its sub-map.



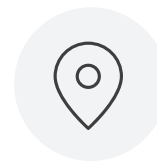
Drag cameras from the map to monitoring windows.



A user-friendly and intuitive map interface in the Logical View resource module of the Web Client simplifies map management. Maps, cameras, and other resources are managed in one place.



Call up live video to monitor various sites in the Control Client by simply clicking on or dragging icons from the map to a new adaptive window. The map can appear in the Alarm Center, a window in the Monitoring module or full screen on any monitor.

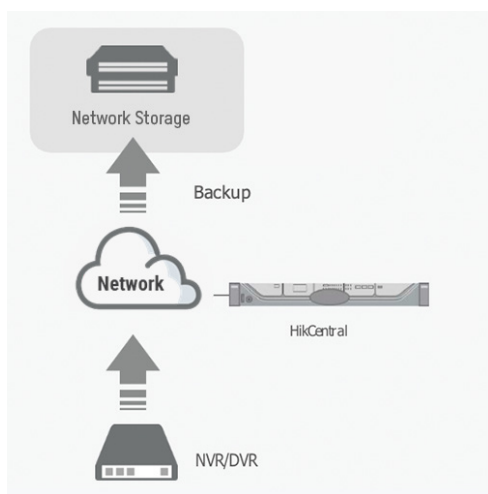


Map management supports cameras, access points, hot zones, alarm inputs and outputs, remote sites, and more. Use Google Maps*, floor plans and images for location-aware viewing and monitoring.

*Requires Google Maps API key.



Central Video Storage and Backup



CONTINUOUS BACKUP

Backing up from front-end devices to central storage continuously requires less network speed and maximizes the data backed up before a front-end device failure event

SCHEDULED BACKUP

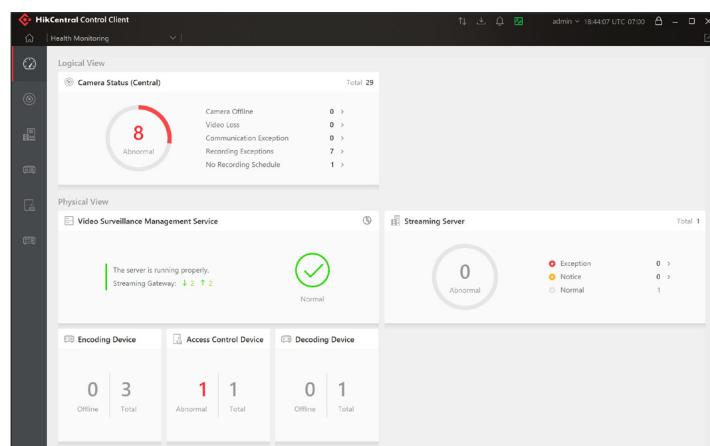
During business hours, video can be saved on front-end devices. Backup to central storage can be scheduled during closed hours when more bandwidth is available.

- Backup event or continuous recording
- Backup continuously or on a schedule

Health Monitoring

The Health Monitoring module is included with HikCentral base software and it provides an immediate view into the health of the entire system on the main dashboard. See the number of abnormal cameras and access control devices at a glance. Easily drill down to identify and diagnose any problems. Maintain a fully functioning and effective system of any size.

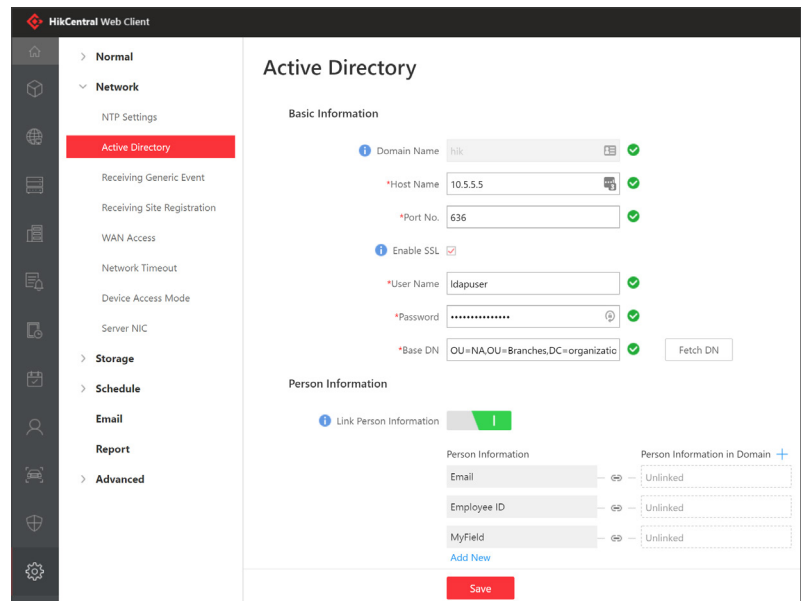
- Simplify elementary system maintenance and service for large projects and client bases
- Health Monitoring tabs include Status Overview, Streaming Server, Camera, Encoding Device, Decoding Device, and Access Control
- Configure real-time alerts of device abnormalities



Active Directory Integration

Microsoft Active Directory integration facilitates the centralized management and synchronization of Windows user accounts in HikCentral. Adding Windows users to the Active Directory will automatically create new HikCentral users.

- Ensures secure access to system
- Synchronizes organization data
- Simplifies personnel management
- Reduces repetitive work

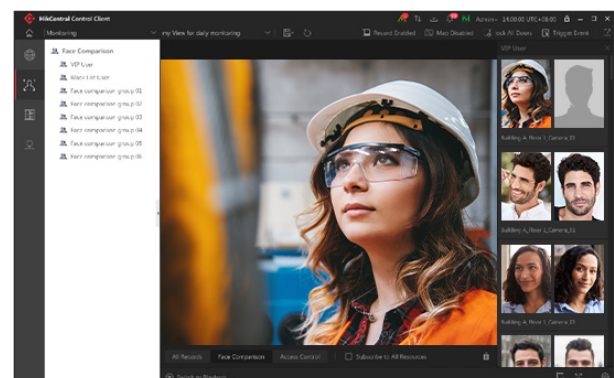


Facial Recognition Module

Respond to Recognized and Unrecognized Faces

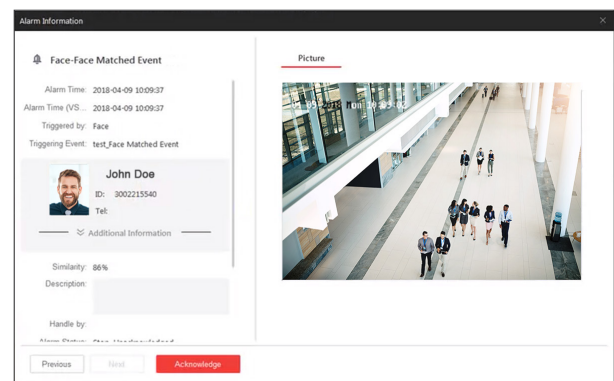
FACIAL IMAGE COMPARISON

Hikvision facial recognition devices can conduct quick facial comparisons between captured facial images and existing images in your database, making facial recognition efficient and accurate.*



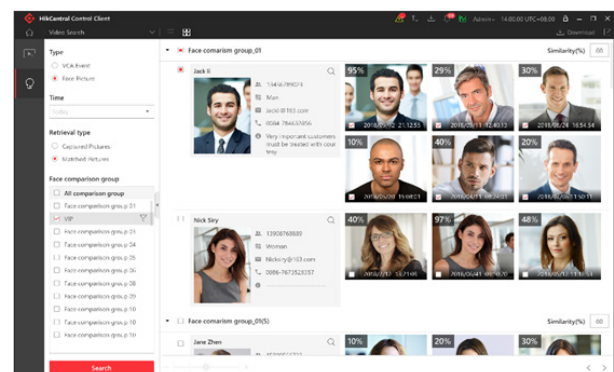
FACE GROUP ALARMS

Group up to 10,000 people in up to 64 face comparison groups. Each group can trigger different alarms or responses. For example, in a casino, a recognized person from the banned group can prompt removal by security while a recognized person from the VIP group can prompt priority service.*



SEARCH VIDEO BY FACIAL IMAGES

Find all video of specific individuals by using captured pictures or matched pictures as the search query.*



**Hikvision facial recognition cameras, recorders or servers are required for facial recognition functions.*

Access Control Module

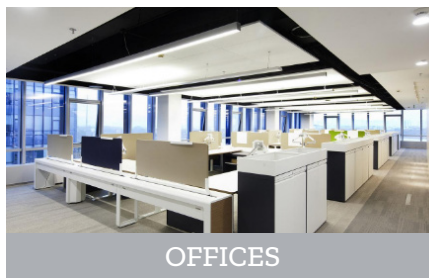
EASY AUTHORIZATION MANAGEMENT

The Access Control System (ACS) base license enables all standard features for a fully functional ACS. Expansion licenses allow your system to grow to hundreds of access points. An optional time and attendance module may be purchased to track and monitor attendance records of employees and students.

- Synchronize Active Directory users for access control
- Various "Access Levels" are location-specific and time-specific authorizations
- An "Access Level" can be granted to all members of an "Access Group"



FACTORIES



OFFICES



ADMINISTRATION

ANTI-PASSBACK

A "passback" is when an individual uses their credential to enter an area and then passes their card to an unauthorized person who then enters. Hard anti-passback rules, including up to 16 access points each, prevent this activity.

FIRST PERSON IN

Using the First Person In feature, people with time-based authorized credentials can access the building only after the designated First Person In enters through a selected access point.

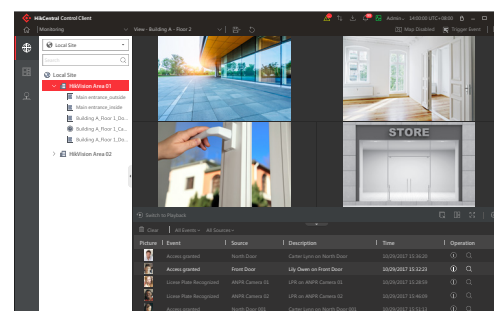
LOCKDOWN

The administrator can lock or unlock all doors with one-click. This function can be performed on the control client and mobile client so that operators can secure an area anywhere, anytime.

Access Control and Video Linkage

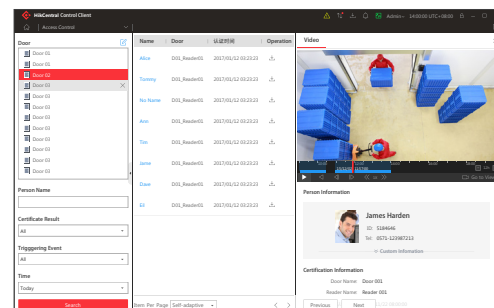
1. LIVE VIEWING

- Live view for each access
- Simultaneous display of access records and relevant information
- Dual-window view for real-time switching
- Real-time control of doors



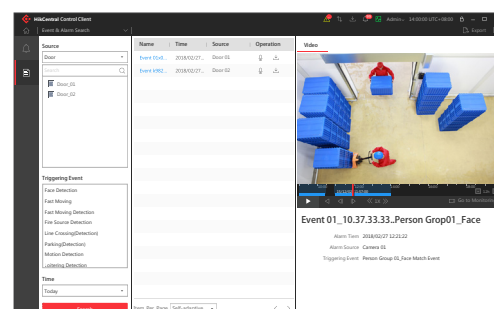
2. RECORD SEARCH

- Search access records using filters: name, access results (pass/deny), and access method (card, fingerprint, etc.)
- Supports video playback
- Relevant personal information display



3. ALARM LINKAGE

- Cameras linked to doors can record video when alarms trigger
- Automatic door control can be linked to different events. For example, doors can be automatically closed when a camera recognizes intrusion behaviors

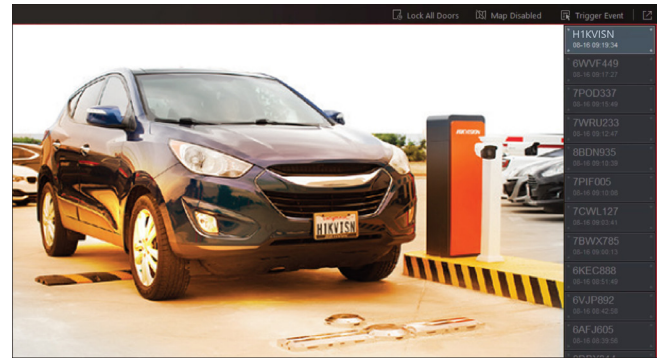


Vehicle Management Modules

AUTOMATIC LICENSE PLATE RECOGNITION (LPR) MODULE

The LPR add-on module for the VSS base integrates with and provides central management of Hikvision automatic LPR cameras.

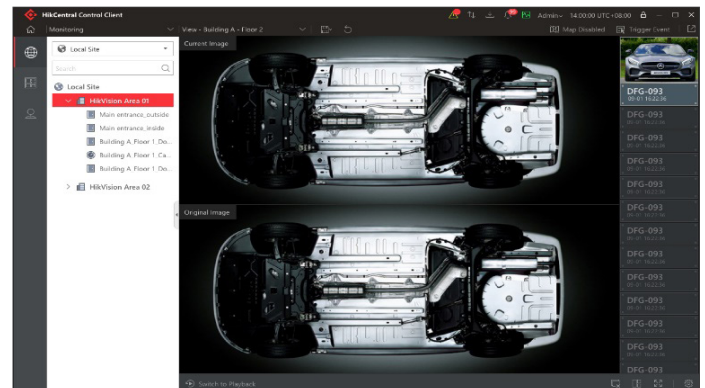
- Record video, license plate snapshots and recognition logs
- Manage up to 100 vehicle lists with 5,000 vehicles each
- Assign auto-responses for match and mismatch alarms
- Add detected license plate to a list from live view or playback
- Search video records by full or partial license plate number
- View reports of number of vehicles passing an LPR camera



UNDER VEHICLE SURVEILLANCE SYSTEM (UVSS) MODULE

The UVSS add-on module for the VSS base integrates with and provides central management of up to four Hikvision UVSS products.

- Capture snapshots of vehicle undercarriages
- Synchronize LPR camera data with undercarriage image
- Compare with original image and mark suspicious areas
- High-durability fixed and portable UVSS models
- High-quality 2048 x 16800 imaging with low distortion



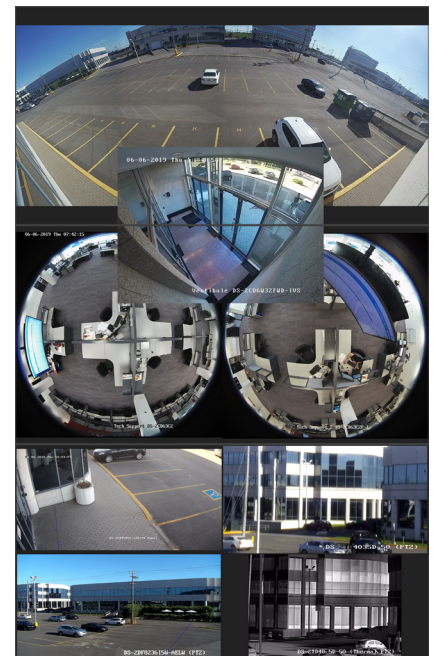
Smart Wall Module

Live View, Playback, and Alarm Linkage

A Smart Wall is a grid of ultra-thin-bezel monitors with hardware and software that provides powerful video display functions for video and alarm monitoring. The HikCentral Smart Wall module supports up to 32 separate Smart Walls, and 1,000 saved display configurations (views) with flexible viewing modes.

- Window division allows each monitor to display 1 to 36 windows
- Roaming windows can cover 1 to 100% of any portion of the Smart Wall
- Window sequencing can auto-switch channels within one window
- View sequencing can auto-switch entire Smart Wall views
- Supports keyboard/joystick controllers
- Supports Hikvision decoders and video wall controllers
- Supports using workstation graphics card outputs

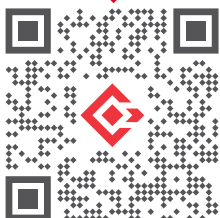
The picture on the right shows an example of a 1 by 3 Smart Wall utilizing undivided, divided and roaming windows. Video can stretch to window or maintain aspect ratio.





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SCAN OR CLICK
TO VIEW ONLINE



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