

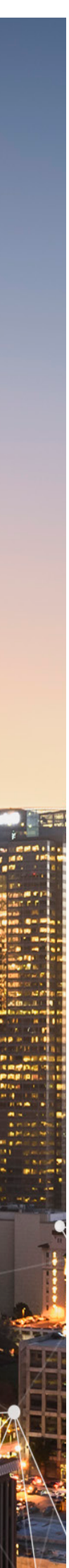
HikCentral Professional

CENTRALIZED.
COLLABORATIVE.
INTELLIGENT.

HIKVISION[®]

At Hikvision, we pioneer and deliver the best security solutions that reshape the security industry. Hikvision's flagship central video management software, HikCentral, provides a centralized system to view and manage video from anywhere. HikCentral is an intelligent system designed to help security professionals better manage all facets of security monitoring.





CENTRALIZED

HikCentral Professional is completely centralized to achieve vast integration capabilities and deliver more powerful solutions for video management and more.

It integrates and expands devices on a VMS system and enhances control to achieve maximum security for years to come.

COLLABORATIVE

HikCentral Professional empowers partnerships, enhances value for the end user, and delivers extensive benefits across a wide range of vertical markets.

INTELLIGENT

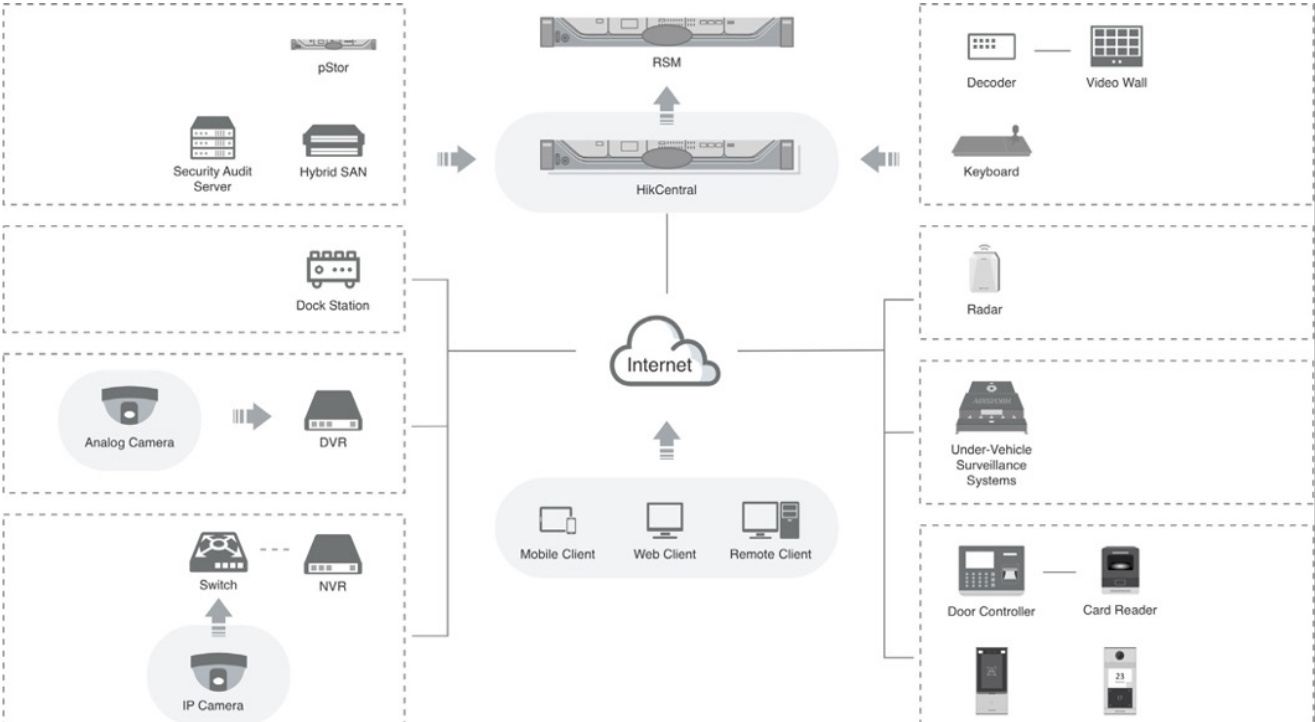
HikCentral Professional takes the latest deep learning technologies to the next level, delivering technological innovations in various applications.

What is HikCentral Professional?

HikCentral Professional is a highly effective centralized software platform designed to improve central Video Management Software (VMS) systems and integrate related hardware. HikCentral offers customers what they need to launch a multitude of smart applications over a wide range of industries.

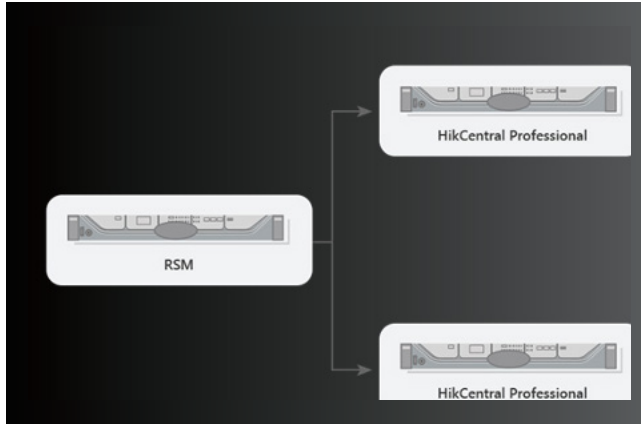
System

System Architecture



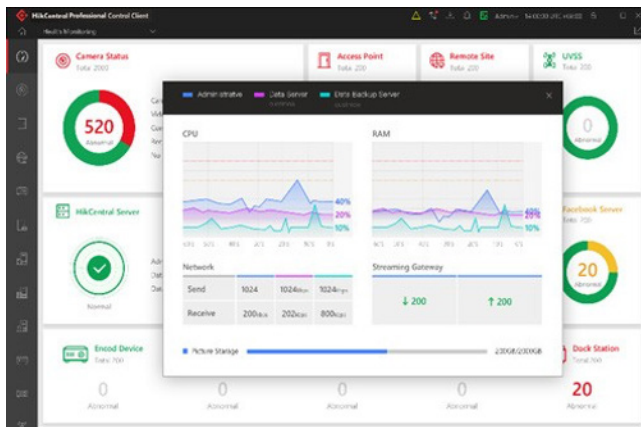
Key Advantages

HikCentral Professional covers traditional VMS functions as well as site implementation, daily maintenance, and user accessibility. It also hosts these benefits:



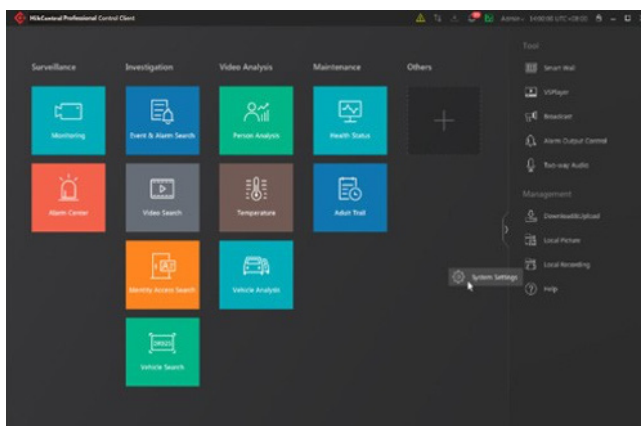
Scalable

RSM (Remote Site Management) enables single site to multi-site expansion, making it convenient for users to remotely manage servers located at different sites. This is an ideal solution for companies or organizations with multiple locations.



Easy to Maintain

It's easy to quickly and accurately diagnose errors to ensure system efficiency. The system will diagnose and generate detailed event logs, device logs, and health monitoring reports. It also supports batch firmware upgrades. Reduce the risk of missing an event knowing all your devices are online using HikCentral Health Monitoring.

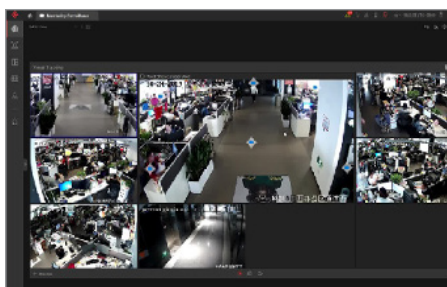


User-Friendly

Drag-and-drop application icons on the Control Client help you to easily create your own user-defined dashboard. The monitoring view also supports self-adaptive window division and more.

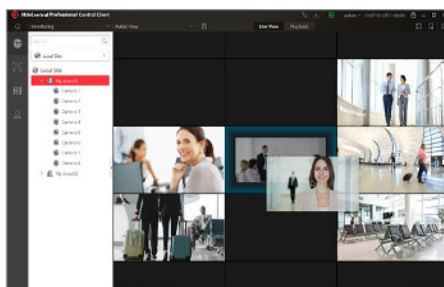
Video

◉ Live View



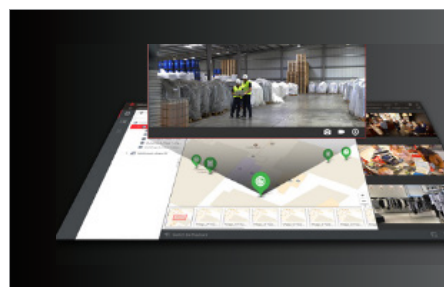
Visual Tracking

- Compatible with traditional security cameras
- Detailed and simple tracking of movement
- Visual Tracking mode supports export of a complete video of certain targets



Adaptive Window Division

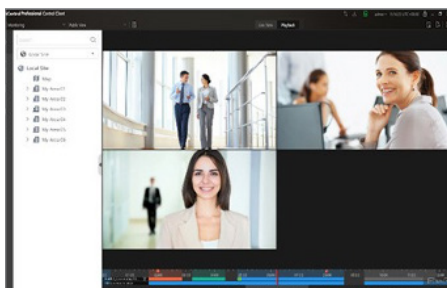
- Auto-adapting window division brings a more user-friendly experience and better visual control
- Supports quick drag and drop of any part of the view into a new window to see more details, optimize HD and panoramic camera usage, and create a more user-friendly experience



Map Management

- Label cameras as resources, then drag and drop them to a destination on the map
- Control video live view and playback, and find other operations on the map
- Receive and respond to alarms in real-time

◉ Playback



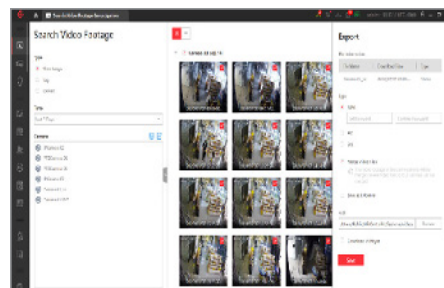
Playback Features

- Video playback offers various useful features, including:
- Flexible network configuration, supporting sub-stream, transcoded, and frame-extracting playback
 - Quick incident location with thumbnails
 - Adding tags to suspicious events for later review
 - Locking video footage to prevent overwriting



VCA Search

- VCA search provides convenient analyses, including:
- Motion Analysis
 - Line Crossing Detection
 - Intrusion Detection



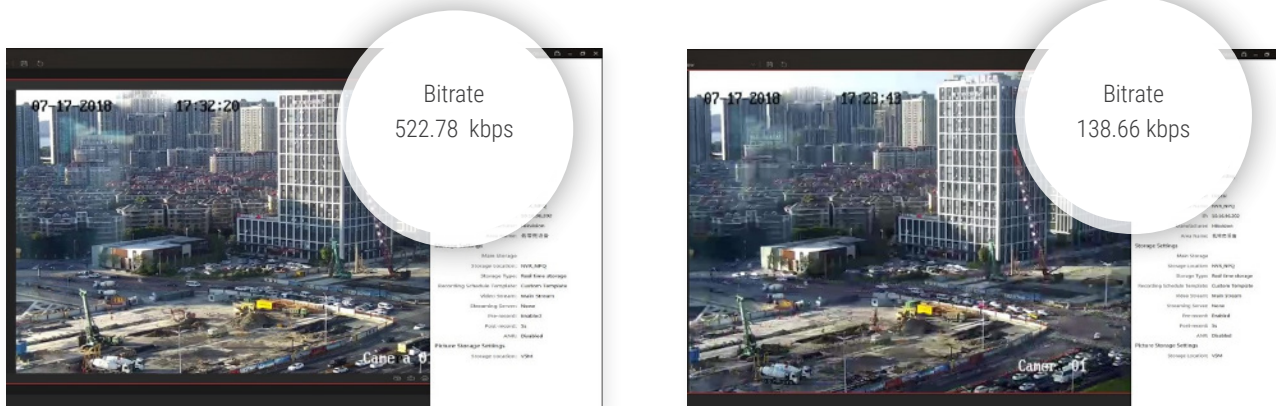
Video Export as Evidence

- Supports merging several clips into one video file for downloading, making management flow simpler and easier
- File export is available in various formats including .exe, .avi, .mp4, and more

Video Network Optimization

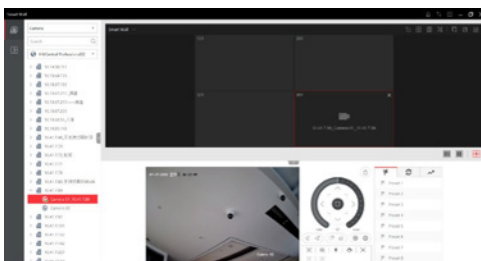
Low Bandwidth Network Adaptability

Smooth streaming automatically adjusts bitrate and resolution between clients and NVRs / IPCs according to real-time network conditions, which makes the live view more fluid.

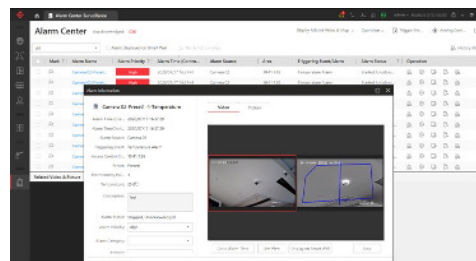


Smart Wall

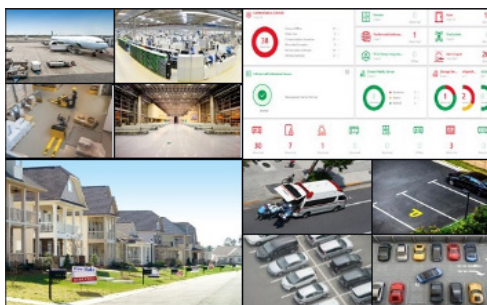
- Decodes multiple devices and integrates easily with third-party devices
- Enables flexible event-triggered, alarm rule settings. Alarm message can be accessed via software and the smart wall for quick notifications
- Remote projection on the smart wall using a PC, enabling easy review of operations and maintenance status on the software platform, BI dashboard, and more
- View-saving and manual switching on the smart wall, along with viewing schedules and automatic switching
- Use a USB-connected keyboard to control the software and network keyboard to control the smart wall
- Increase operational efficiency by monitoring all your alarm points simultaneously using the HikCentral video wall module



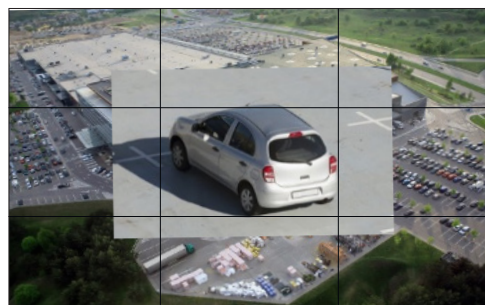
Single Mode



Joint Mode

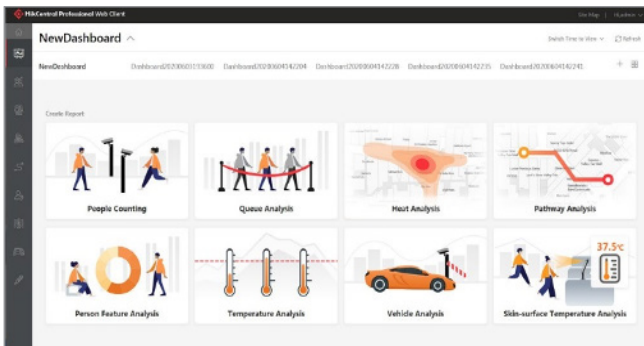


Division Mode



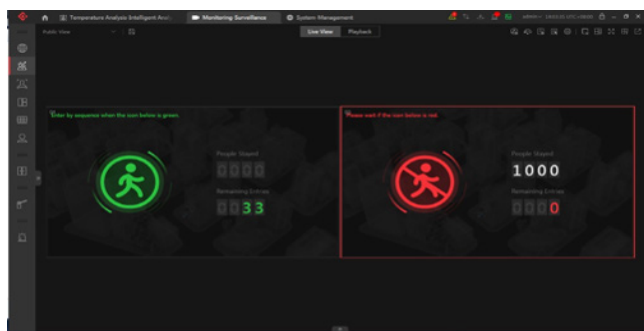
Roaming Mode

Video Analysis



Intelligent Analysis Dashboard

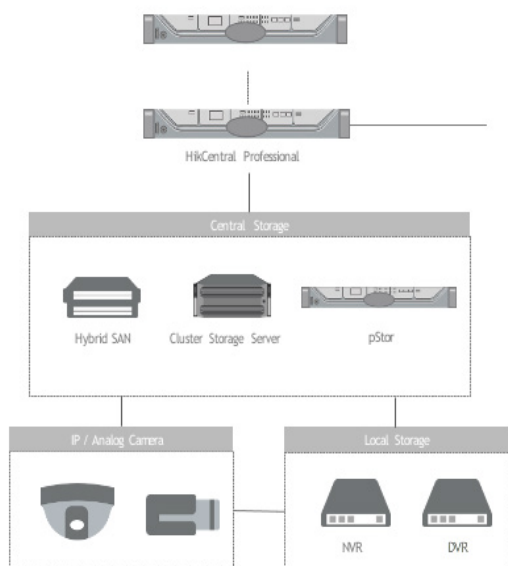
- The video-based intelligent analysis dashboard enables flexible and extensible digital applications
- Includes smart commercial analysis like flow, attribute, wait-time, and visitor trend analysis, as well as vehicle management and temperature measurement



Flow Analysis

Real-time flow status can be displayed on the platform along with mapping, temperature screening, and other important video footage.

Extensible Storage



Flexible Storage

HikCentral Professional offers event-triggered video recording and playback, along with automated video backup during idle periods. Channel-based video and image storage can also be configured.



Multiple Storage Media

Video and images can be stored on various media storage platforms, such as NVRs/ DVRs, pStor, and Hybrid SAN.



High Availability

HikCentral Professional features a fail-safe, high availability design with redundant remote & local backup and scheduled copy-back, along with pStor cluster services and NVR hot swapping.

Access Control

- Stay in compliance by having logs on who entered a certain area and when.
- Determine who can enter specific areas of your facility and at what times.
- Mitigate risk by locking down critical areas to only authorized personnel.

Key Features



Alarm Monitoring

Enables monitoring and alarms for active, abnormal or violent door openings



QR Credential

Supports completing personnel registration via QR code scanning



Lockdown

Supports automatic printing of personnel name lists where fire alarms are installed



Record Retrieval

Supports checking "Who" is allowed to access "Where" and "When"



Access Control System

HikCentral Professional integrates with Hikvision's access control systems and third-party gates

New functions

Attendance

Automated Attendance

Automated attendance for greater convenience and efficiency

Easy Third-Party Integration

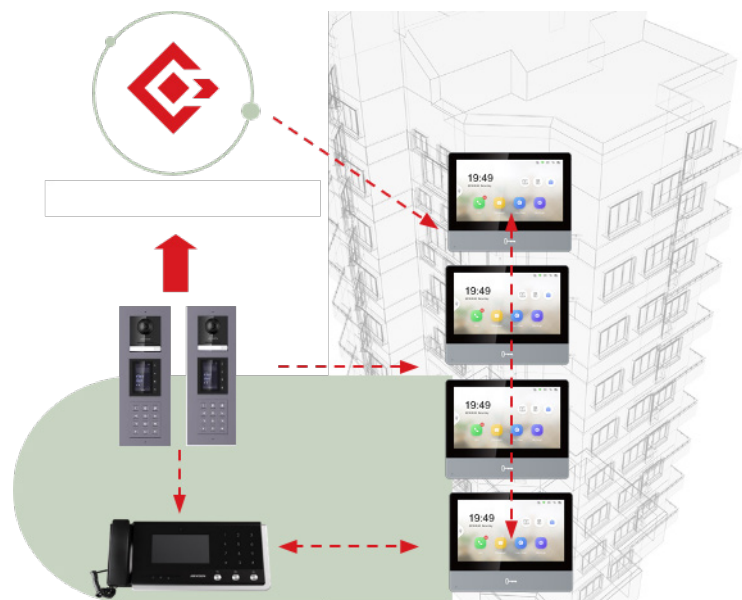
Easy integration with third-party attendance systems and automatic generation of attendance reports with multiple formats to choose from

Customized System Configuration

Supports complex attendance settings to satisfy various needs, including various working hours, weekends, late arrivals and early departures, absence, overtime working, leave types etc.

Video Intercom

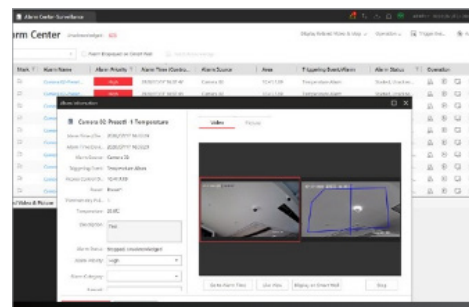
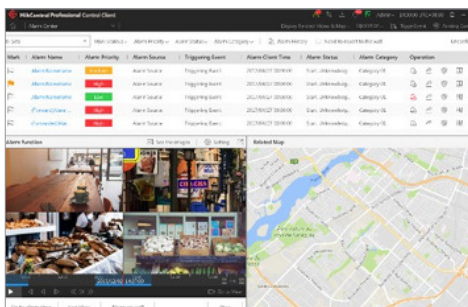
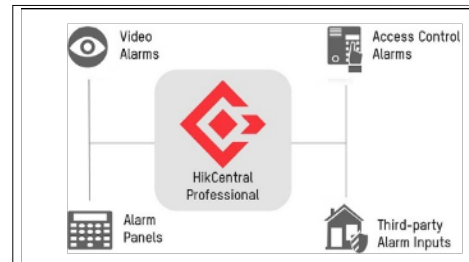
- Serves as a centralized platform to manage the video intercom system
- Supports configuring related devices and setting rules for device interaction
- Uniformly configures personnel access permissions and remotely controls access control
- Pushes calls from the indoor or outdoor station to the management staff



Alarm Management

Alarm Sources

HikCentral Professional can centrally manage various alarm sources, such as video, access control, and third-party alarm inputs.



Alarm Center

- Real-time display of various alarms
- Linked videos and locations will be displayed automatically when an alarm is selected

Alarm Linkage

- Configure flexible linkages with access control devices, cameras, and more
- Displays the status of alarm-triggering devices and quickly locates devices that have triggered alarms

Composite Alarm

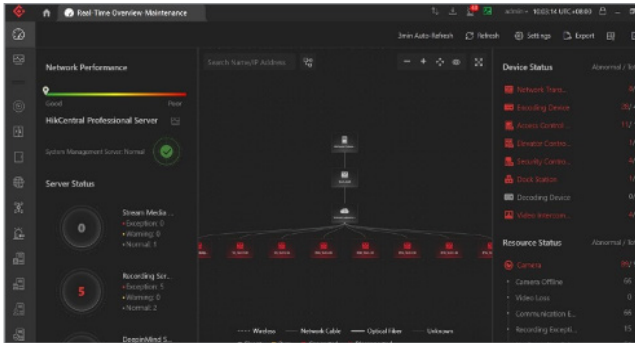
A composite alarm enables arming or disarming to promote flexibility and accuracy of alarm management. For example, you may use composite I/O signals and motion detection events by installing infrared beams, effectively reducing the false alarm rate.

Alarm Escalation

Alarm escalation takes place when the primary operator does not respond. An unprocessed alarm will be forwarded and escalated to upper-level management when the original operator does not respond.

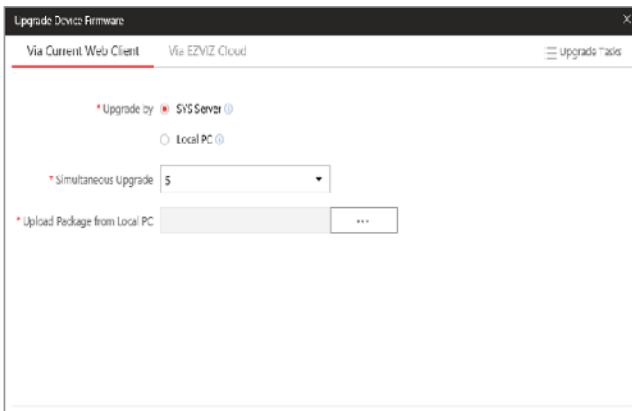


Maintenance



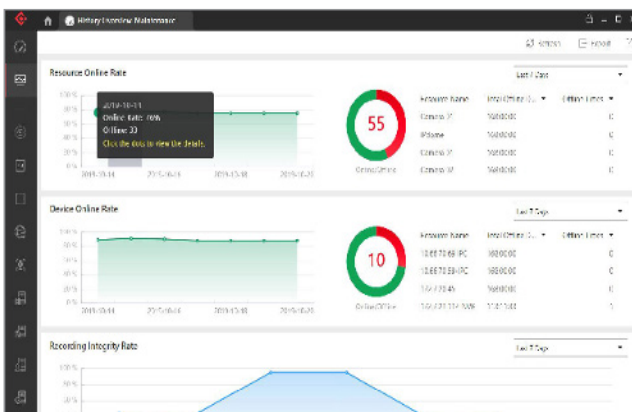
Health Monitoring

- Displays topology diagrams of various devices in real time, saving time having to view a large number of connections among devices
- Displays system information such as CPU, RAM, network speed and video streaming usage
- Users can define a threshold according to network status



Firmware Batch Upgrade

Supports upgrading of multiple devices' firmware simultaneously



History Overview - Maintenance

- Overview of resource online rate, device online rate and recording integrity rate within a certain period
- Helps you better understand the system operation status

Middleware Solution

Maximize operational efficiencies and reduce costs by managing all your systems from a single point of command and control



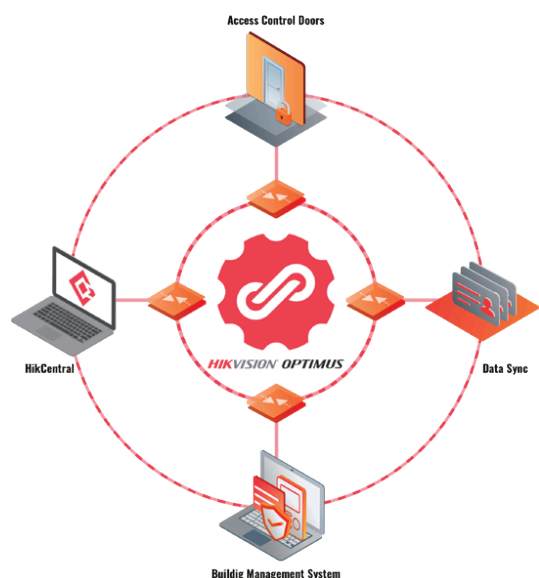
Optimus is designed to help you utilize the full power and versatility of HikCentral. Hikvision's Optimus middleware solution is equipped with a Connector Software Development Kit (SDK), which makes it simple for technology partners to integrate their products with HikCentral.

Hikvision technology partners can develop "Connectors" into Optimus that enable them to connect to HikCentral via the Optimus user-friendly graphical user interface (GUI). It's easy to create Connectors—integrations and workflows to meet your project requirements—from HikCentral to a third-party system such as access control, automation protocols, HVAC, payroll systems, and more. Connectors can also enable data synchronization and mapping among multiple systems.

Connectors Link the Systems Together

An Optimus Connector is an integration between a third-party system and HikCentral. Because Optimus is code-agnostic, Connectors can be created regardless of a product's coding. A Connector can consist of triggers, events and data via the third-party system's application program interface (API).

Hikvision's R&D team is available to develop an Optimus Connector for you. We can develop a wide range of third-party integrations to save your company resources and time.



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SCAN OR CLICK
TO VIEW ONLINE



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