![HikCentral Professional logo]

HikCentral Professional

Versatile Security in One Platform

HIKVISION®

What is
HikCentral Professional

HikCentral Professional is Hikvision's security management software for integrating and managing security systems. It's designed to meet a variety of security challenges on a single platform.

With HikCentral Professional, you will manage multiple individual systems with ease, such as video security, access control, alarm detection, and more, explore cross-system functionalities, and optimize your day-to-day security and operation with lightweight solutions for a variety of scenarios. Daily operations become more efficient while protection of people and property improve all around. Users of all kinds are making smarter decisions.

Keep reading to see how HikCentral Professional can boost operations in your unique situation.

System Architecture

01 / Light and efficient

HikCentral Professional's lightweight architecture features reduced consumption of system resources. It is capable of managing multiple systems of varying sizes with consistent efficiency.

03 / Integrated and open

This amazing platform is compatible with virtually all Hikvision products and their abundance of applications, including deep-learning-based analytics and statistics. And the platform's open architecture permits easy integration with third-party systems and hardware.

02 / Unified and flexible

The platform supports combining various application plug-ins under a unified, on-demand architecture for collaboration across business segments. What's more, new plug-ins can be continually developed to meet new business needs.

A variety of applications cover a broad range of business needs

Mobile Monitoring · Digital Signage · Intelligent Analysis · Visitor · Attendance · Video · Alarm detection · Maintenance · Vehicle · Access Control

Diverse business applications to choose from

All major security needs are covered through a variety of core-security modules, including video, access control, visitor, attendance, vehicle, mobile monitoring, alarm detection, intelligent analysis, digital signage, and maintenance. Whatever your situation, you will find what you need right here.

A unified security system that enhances management operations

All applications connect in an interactive way to build a truly unified architecture, enhancing your operational efficiency – for example, an intrusion alarm plus access control combine with video verification, or perhaps visitor access with pre-registration of vehicles, and much more.

Lightweight solutions for diverse scenarios

HikCentral Professional offers ready-to-go solutions for specific scenarios like stores, logistics parks, bus stations, etc., improving their daily security and operation with data insights and unified management.

Key Benefits

Streamlines operations and management

With situational awareness powered by informative dashboards and interactive E-maps, optimal approaches advised by operation wizards, and the flexibility of a user-defined control panel, you will be making smarter decisions fluidly and efficiently on day one.
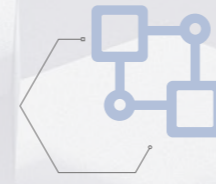
Scales as business grows

By virtue of a flexible and scalable architecture, the platform can be scaled as your business needs evolve. You can expand it from a small 32-channel, 8-door system to an ultra-large-scale system that links up to 100,000 channels of equipment (under the RSM mode).

Promises security and reliability

Get a new sense of security with advanced system protection with constant data encryption and privacy, along with comprehensive redundancy and disaster recovery mechanisms.

01

02

03

04

05

Simplifies deployment and maintenance

With minimum system requirements – Intel i3 CPU and 8 GB RAM – you'll have your own security platform deployed with limited hardware costs. Moreover, maintenance of the whole system is much easier with visualized health monitoring in real time.

Facilitates hassle-free integration

Through an open architecture design and a series of highly adaptive OpenAPI interfaces, you will enjoy hassle-free integration with a wide range of third-party systems such as ARCs and payroll systems.

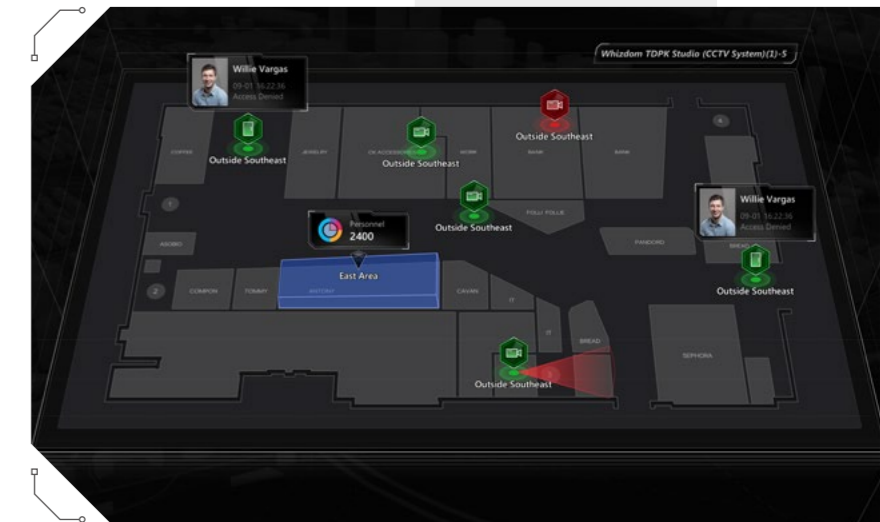# User-centric design ensures personalized and optimized experience

Personalized security management

Whatever your role – manager, decision maker, HR, receptionist, security, or maintenance staff – HikCentral Professional will help you get up and running quickly with pre-set modes. Alternatively, users can customize their own systems with the applications they need to create a personal control panel for specific duties and routines, empowering staff with custom, optimized management approaches.

Visualized systems, data, and maintenance

Data collected from various applications becomes easy to understand with HikCentral Professional's dynamic reports and helpful, intuitive dashboards. The dashboard supports creating a personalized display for the information you care about the most, contributing to smarter decision making with more situational awareness.

Interactive E-Maps

Interactive E-Maps give users an instant, dynamic view of multiple sites and the status of various devices all at the same time, as well as a shortcut to handle events and alarms directly onboard. It enables management and security staff to get accurate and timely notifications while responding to incidents promptly, enhancing day-to-day operational efficiency.

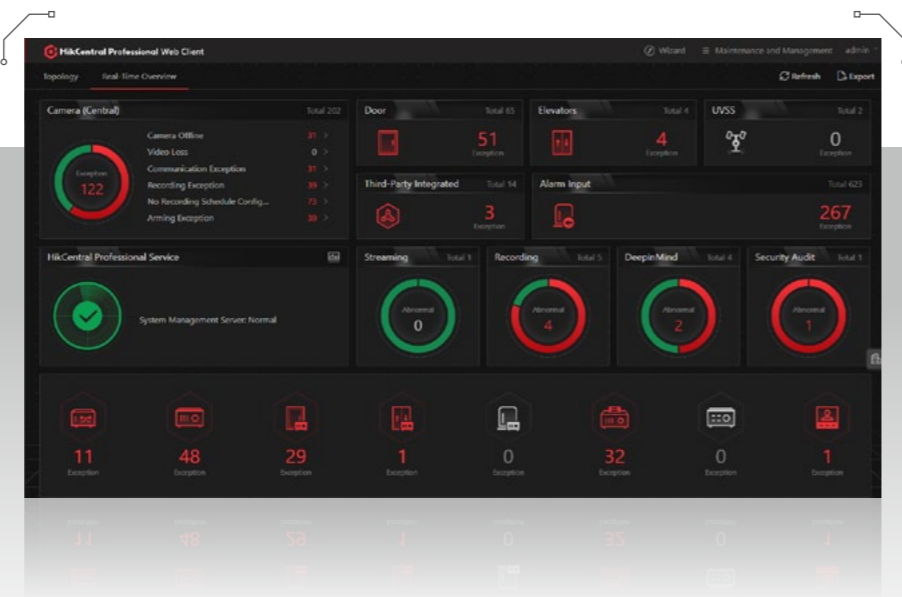# Light but powerful software simplifies installation and maintenance

Easy installation

Minimum system requirements for HikCentral Professional is an i3 CPU and 8 GB of RAM.

Easy maintenance

System health status is displayed visually in real time, contributing to faster notifications and locating of abnormal situations. What's more, all system historical records are conveniently trackable.
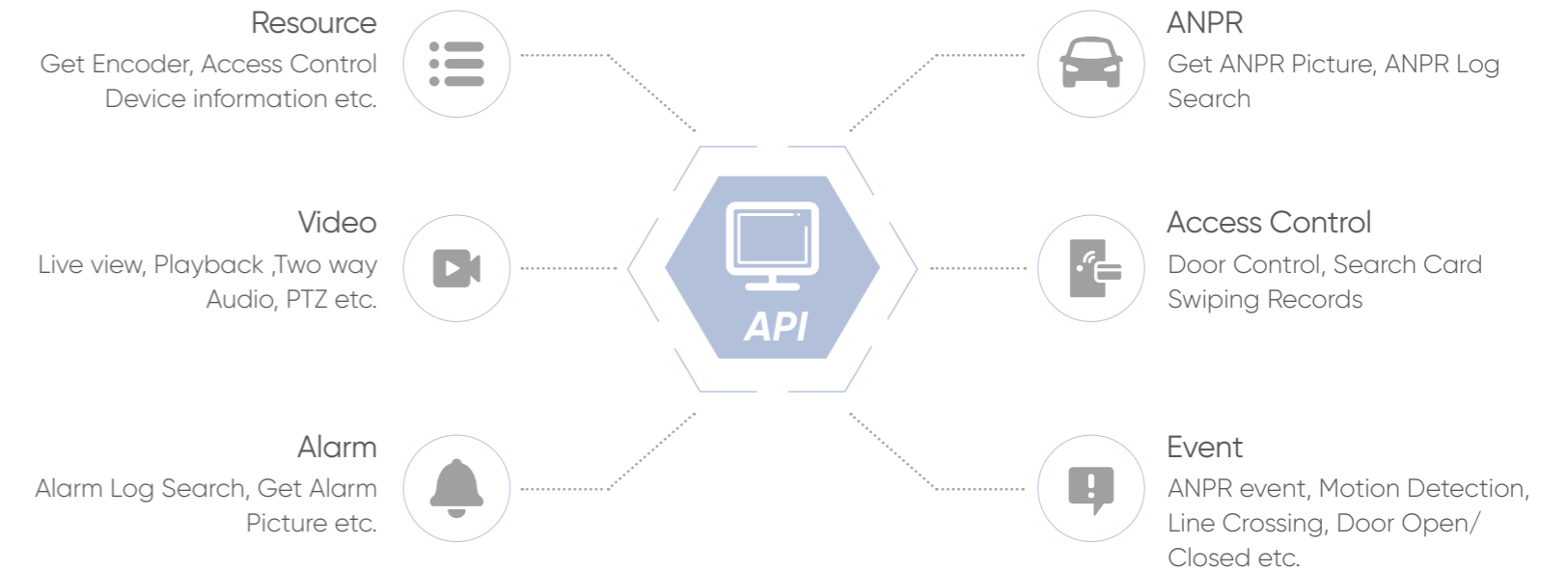
Open system architecture allows easy and convenient integration

Open API — Collaborative, goal-oriented development creates the most useful and customizable applications. Hikvision has created an open Software Development Kit for innovated systems to meet any particularized demand.

Resource
Get Encoder, Access Control Device information etc.

ANPR
Get ANPR Picture, ANPR Log Search

Video
Live view, Playback ,Two way Audio, PTZ etc.

Access Control
Door Control, Search Card Swiping Records

Alarm
Alarm Log Search, Get Alarm Picture etc.

Event
ANPR event, Motion Detection, Line Crossing, Door Open/ Closed etc.

▶ Video

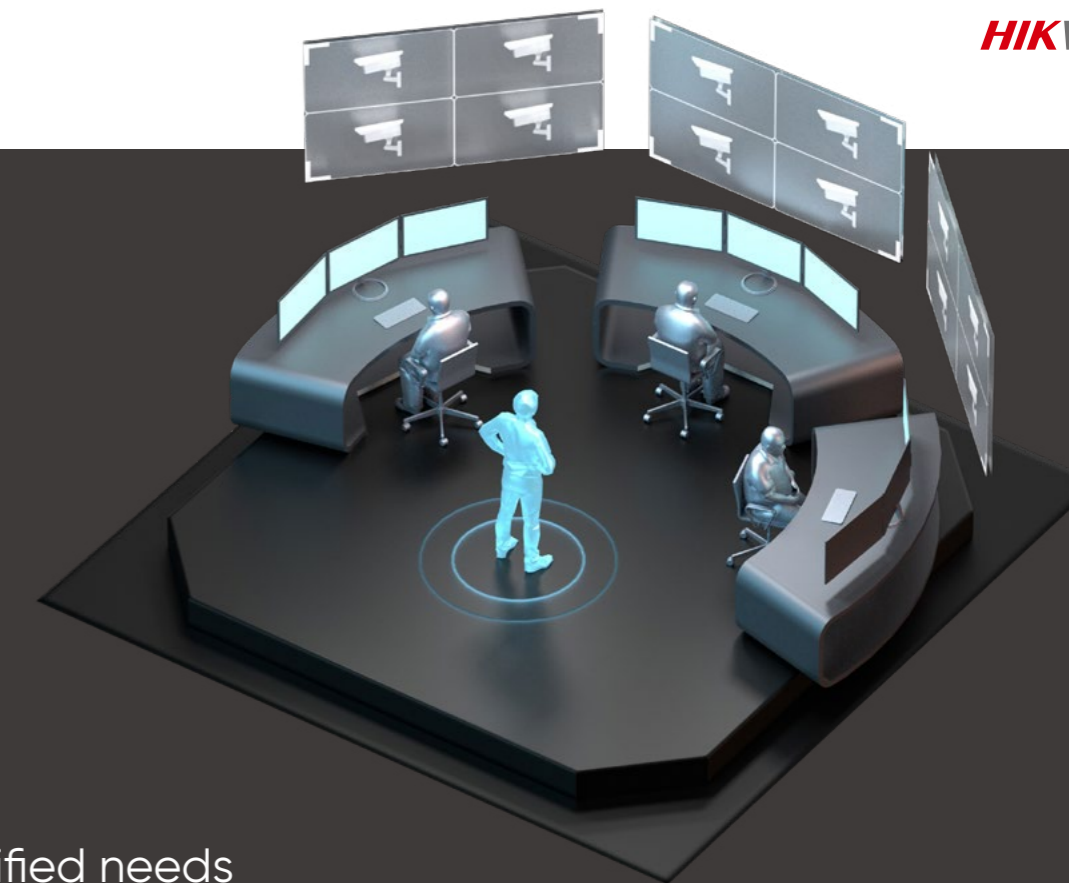## Efficient and comprehensive video surveillance

Quickly save scenes and efficiently complete daily monitoring. Users can customize their own views to have a holographic perception of all video, maps and data. Specified views can be opened in one minute for quick preview and playback.

Low bandwidth network adaptability

Smooth Streaming automatically adjusts bitrate and resolution between clients and NVRs or IP cameras according to real-time network conditions.

Video export as evidence

• Supports merging several clips into one downloadable video file, making management workflow simpler and easier.
• File export is available in various formats including exe., avi., mp4, and more.

Quick and convenient search and playback

• Users will enjoy the quick incident search and location using thumbnails, supporting sub-stream, transcoded, and frame-extracting playback.
• Convenient event search is based on tags and VCA search analysis, as well as key attributes of vehicles and persons.
• A quick go-through of video based on event types reduces potential risks by locating high-frequency events in critical areas.

Flexible auto-patrolling

Users are able to set up scheduled capture plan based on actual scenarios or needs, and the captured pictures will be sent to users automatically.

Reliable storage satisfies diversified needs

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 be configured as well.

Multiple Storage Media
Video and images can be stored on various media storage platforms, such as NVRs/DVRs, pStor, Hybrid SAN, and Cluster Storage Servers.
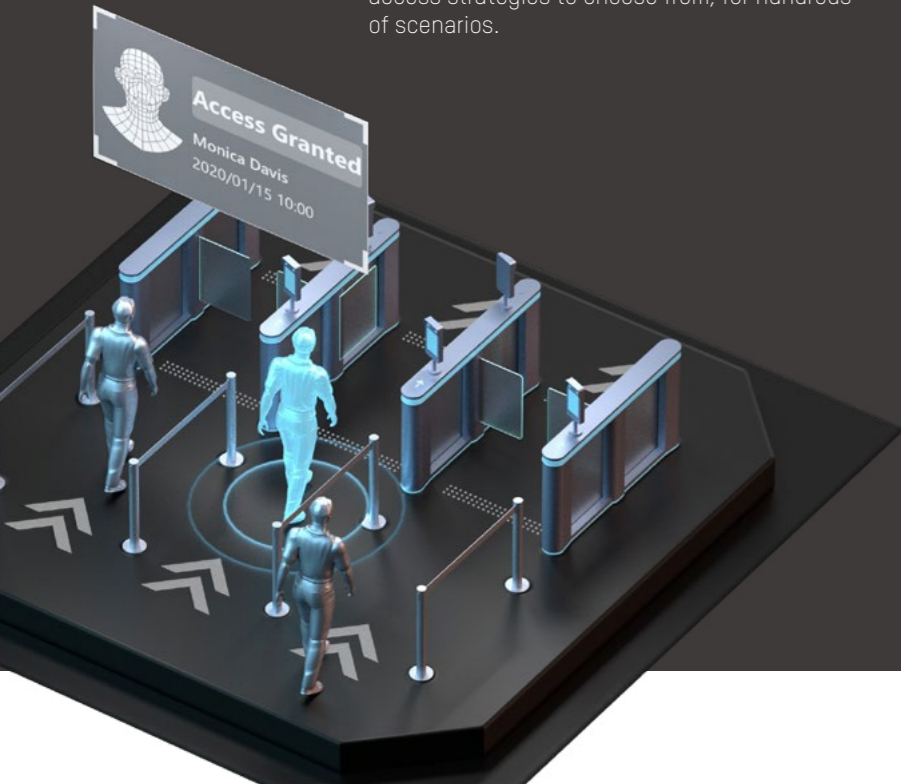
High Availability
HikCentral Professional features a fail-safe / high availability design with redundant remote & local backup and scheduled copy-back, along with pStor cluster services and NVR hot swapping.

⊗ Access control

Comprehensive and flexible access management

Users get flexible, customized, and comprehensive access control systems for their employees and visitors with diverse credentials including face, iris, fingerprint, card, QR code, and PIN code, 512 authentications, and 5 access strategies to choose from, for hundreds of scenarios.

Easy and convenient personnel management

Credentials are easy to assign to various groups of people with the step-by-step guidance. To register, employees can use their smartphone to scan a QR code generated by HikCentral Professional and register their information remotely; they will receive access permission instantly.

What's more, with HikCentral Professional, it is easier than ever to enter employee information and design their badge with several unique styles and layouts to choose from. With a few clicks, users can enter their information and print employee badges with all necessary access permissions.

Quick alarm handling

When incidents occur, the access control system will trigger IP cameras to capture images and record video. Security staff can check the video in real time and take any necessary action.

Emergency mustering

Instant response to emergencies

When emergencies occur, HikCentral Professional can automatically or manually trigger to start the emergency state with just one click.

Enhanced evacuation

The system will trigger IP speakers for a cycled broadcast of evacuation messages and keep all doors open along the escape route, helping personnel quickly assemble at muster points.

Augmented security levels for everyone

At the muster points, the security staff can efficiently count and verify everyone's safety. If someone is missing, they can check the most recent locations where stranded personnel swiped ID cards.

❯ Time & attendance

Flexible rule setting

Users can schedule attendance rules for normal, man-hour, multiple, or temporary shifts based on specific scenarios for offices, factories, stores, and more, and support scheduling designated attendance points.

Various attendance reports

Diverse attendance reports and customizable templates are available. Users can also create personalized report templates based on their needs. Reports can be exported in Excel, PDF, and CSV formats, among others.

Easy integration with payroll systems

HikCentral integrates widely with third-party software systems such as salary calculation systems, meeting complex demands in a variety of businesses.

❯ Visitor

Improved visitor experience

• Quick visitor pass with ANPR vehicle number plate recognition, fast access using ID card or face recognition, registration via passport, and self-service checkout at designated places.
• A Watchlist function along with personalized design and printing of badges offer a unique experience for certain visitor groups, like VIPs.

Manage guest visits securely

Visitors are only allowed to enter areas where they are given access. Their visiting history is also traceable, adding to security levels.

Multi-tenant visitor management function

Companies inside the same building can manage its own visitors independently, protect the privacy of visitors, and reduce the management burden of the property management company.

❯ Video intercom

• Serves as a centralized platform to manage the video intercom system
• Supports configuring related devices and setting rules for device interaction
• Pushes calls from the indoor or outdoor station to the management staff
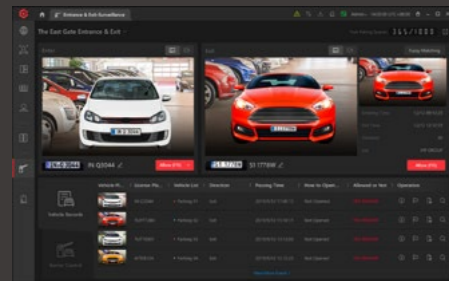• Supports sending notifications to indoor stations in batches

Vehicle

Intelligent parking system

Vehicle entrance & exit management

HikCentral Professional supports both self-service card or ticket dispensers and Automatic Number Plate Recognition (ANPR) cameras to customize vehicle entry rules and check entrance & exit records.
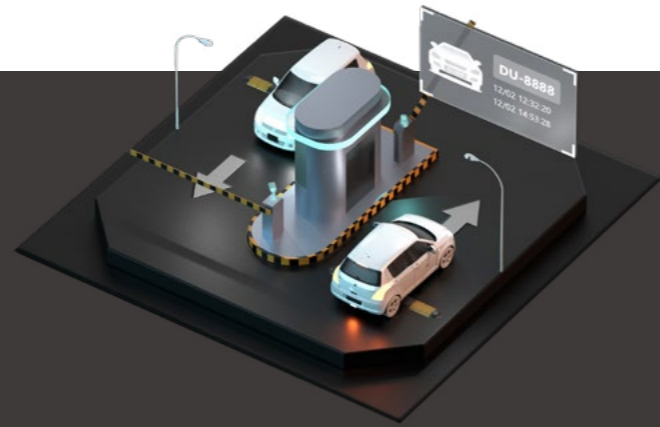
Self-service parking query

Drivers can quickly find their cars using the self-service query of vehicle parking spaces via the plate number, to further enhance and improve their experience.

Parking fee calculation

HikCentral Professional supports flexible billing and scheduling for the varying needs of parking lots. This includes, for example, charging yearly, monthly or other scheduled time periods, or setting up unique billing rules for different types of drivers.

Statistics and reports

HikCentral Professional enables intuitive and efficient parking operation analysis and transaction analysis reports, helping management staff analyze operations as well as income and expenses.

On-board monitoring

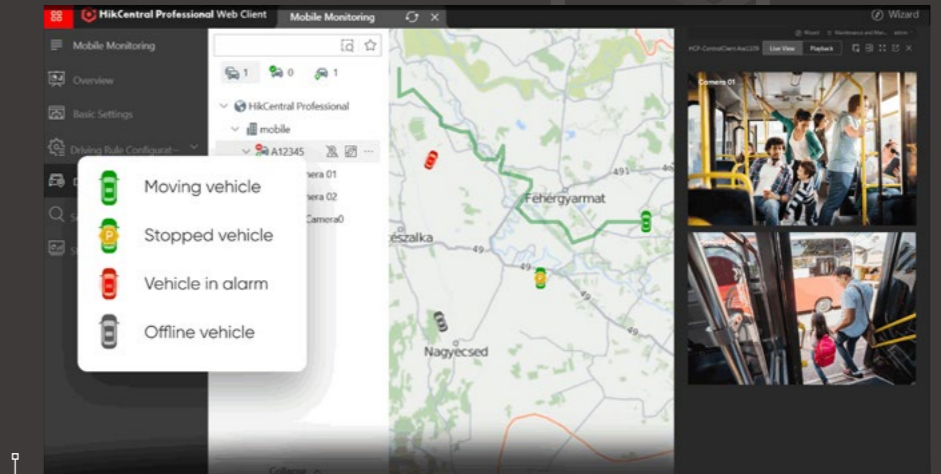### Efficient On-board monitoring for quick response

HikCentral Professional can serve as unified platform for mobile security management including real-time GPS positioning and tracking, abnormal driving behavior analysis, and more, and keeps users alerted of alarm notifications in a timely manner.

Flexible and convenient video management solution

Users get flexibility with viewing the live feed, store and play back video clips from the mobile video recorders on vehicles from the command center, upload event videos under mobile network, and back up videos using Wi-Fi.

Customized reports for enhanced operational efficiency

With a diversity of report templates to choose from, users can effectively gain insights on vehicle driving conditions like distance, time, and much more, helping them better schedule and optimize operations.

Route management

Empowered by the fusion of AI and IoT technologies, this solution aims to help ensure transportation safety, reduce cost, and improve efficiency.
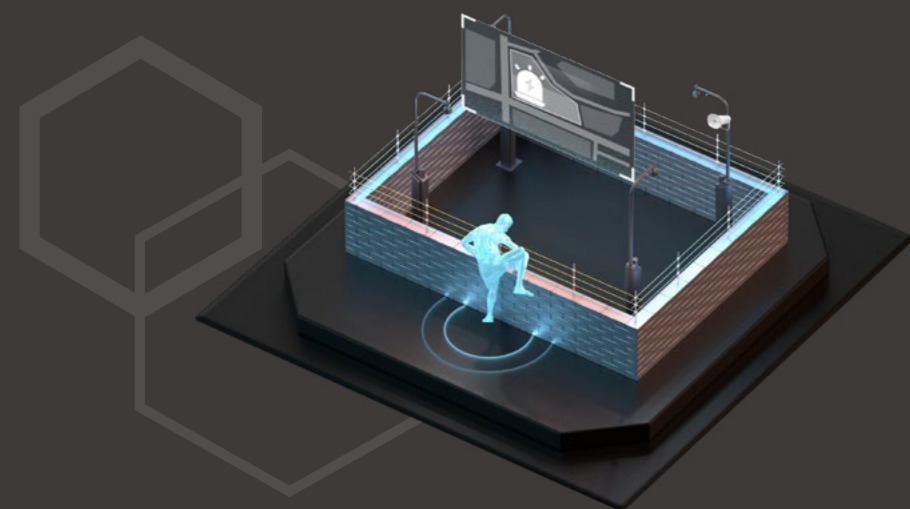
- **Help better plan routes and arrange schedules.** With visualized route monitoring panel, the operator can see the status of each site and contact driver in case of events
- **Reduce transportation costs** with details oil volume records to quickly locate oil leaks and prevent oil theft
- **Comprehensive driver performance evaluation**, based on on-time rate, fuel consumption, abnormal driving behavior analysis, etc.

Alarm detection

Alarm sources

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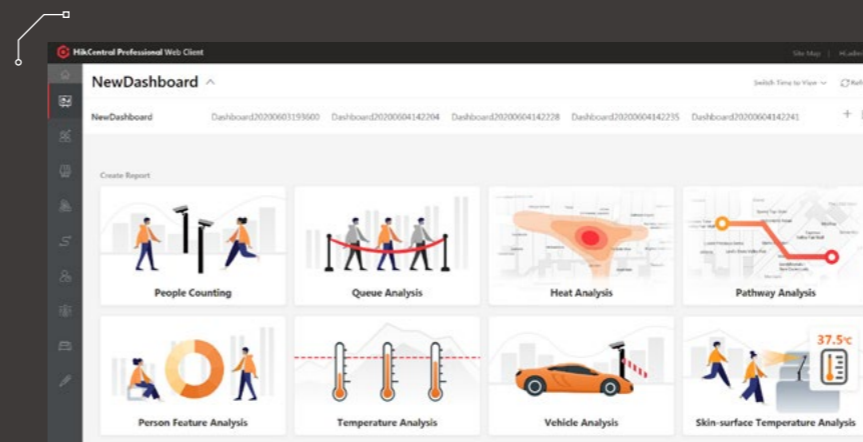
Alarm center

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

Alarm linkage

• Flexible linkage with access control devices, cameras, and more can be configured
• Supports automatic audio alarms to deter unlawful entry while linking with IP speakers
• Displays the status of alarm-triggering devices and quickly locates devices that have triggered alarms

Combined alarm

A combined alarm enables arming or disarming in order to promote flexibility and accuracy of alarm management. For example, users may employ 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 ignores.

Intelligent analysis

Intelligent analysis dashboard

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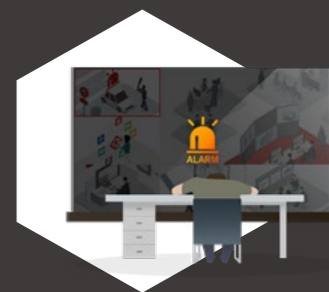
In-store BI

Data-driven operations have become increasingly important in the retail industry. This solution aims to help businesses collect multidimensional data offline to sharpen business insights and facilitate daily operation.

• **Manage multiple branches with a unified platform**, and enjoy easy configuration by following the wizard guide
• **Help store managers better evaluate and understand customer traffic flow** with accurate walk-in-rate analysis
• **Contribute to optimized store layout to increase sales opportunities** with area popularity analysis and heat map analysis providing a global or area-specific map of your store
• **Enhance customer satisfaction** by reducing customer waiting time via queue analysis and store manager notification

› Digital signage

Flexible program design and release

- Eight types of pre-installed program templates are ready for use, saving you time and money upon installation
- All programs are created visually, making advertisement creation, temperature screening, flow control, attendance, and other functions easier and more efficient.
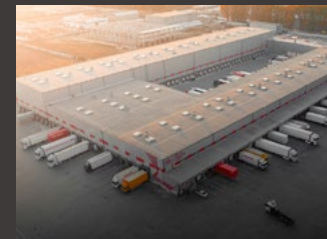

› Guard patrol

Inefficient patrol schedule management and proxy patrolling can mean headaches for security managers. This solution aims to make guided patrols more convenient and efficient.

- **Easy & efficient patrol schedules and route design** on a visualized control panel
- **Convenient patrolling & real-time event upload via mobile app**, with all patrolling data automatically uploaded and saved on HikCentral Professional
- **Comprehensive patrolling performance evaluation** by regularly checking multi-dimensional patrolling reports
- **Ensuring patrolling regulations and reducing proxy patrol** with automatic alarms sent to the management staff

Factories

Logistics parks

Office buildings

HikCentral Professional
Versatile Security in One Platform

HIKVISION®