

HikCentral Lite V1.4.0

HikCentral Lite is a Hikvision's security management software that helps overcome key security challenges on a single platform. Tailored for small and medium-sized enterprises, HikCentral Lite offers robust protection and peace of mind for your business. With advanced video and access control features, it ensures premium security across various scenarios.



Key Features

Seamless Video Experience

- **Quick Live View and Playback**
Automatic main and sub-stream switching for fast access
- **Efficient Target Search**
Smart/VCA Search, AcuSearch, AcuSeek, and target retrieval display results instantly, with one-click playback
- **Intelligent Vehicle and Personnel Management**
Manage lists, trigger alarms, and conduct attribute-based searches
- **Intuitive PTZ Control**
Easily adjust zoom, pan, speed, presets, and patrols within the video interface
- **Smart & Budget-Friendly Storage**
Use HCL servers for storing videos, pictures, and files. Easily configure multiple recording schedules for cameras and support smart search.

Cloud Connection and Application

- **On-Premises Advantage - High Compatibility**
Supports Hikvision and third-party cameras (both new and existing devices), no need for devices to support connecting to the cloud.
- **Cloud Connectivity Advantage - Easy Login**
Register via email verification, log in via the APP to access all features, no port mapping required.
- **Shared App**
Shares the same "HikCentral Mobile" APP with HCP, no need to download or learn a separate app.
- **Adaptive Multi-Network Support**
Automatically prioritizes high-speed LAN connections; supports connecting to cloud via mobile networks.
- **Multi-Site Access**
One cloud account manages multiple servers, enabling easy unified management across multiple sites.

Efficient Access Control

- **Multiple Credential Options**
Convenient access via card, fingerprint, face, iris, or PIN code
- **Quick Batch or Temporary Access**
Instantly assign and activate access permissions for hassle-free daily management
- **Real-Time Door Status Monitoring**
Monitor View or e-maps for prompt detection and resolution of anomalies
- **Access-Video Linkage for Verification**
Effectively reduces false alarms

Attendance

- **Flexible Scheduling**

Select person, time, and date to set shifts
Modify via calendar-right-click to update

- **Fast Attendance Processing**

Handle attendance corrections and leave requests instantly
Manual or automatic calculation for accurate, real-time results

Visitor Management

- **Self-Service Visitor Reservation**

Self-register and enter campus more flexibly

- **Rapid Visitor Approval**

Authorized person approves reservations quickly via Mobile Client or Desktop Client

- **Quick Visitor Check-In**

Add visitors directly in Mobile Client and assign credentials instantly

Intrusion Detection

- **Alarm Device Integration**

Support AX PRO and AX HYBRID PRO devices via OTAP protocol for seamless integration

- **Real-Time Zone Surveillance**

Centralized overview of subsystems with real-time alarm zone status

Flexible Server Cascading

- **Scalable Server Management**

Add up to 20 servers (512 cameras / 64 doors total); auto-check compatibility/license; manual override for over-limit resources.

- **Real-Time Server Monitoring**

View live online/offline status across all servers with batch refresh and anomaly alerts.

- **Unified Cross-Server Operations**

Full camera control (live view, playback, PTZ, alarms) and intelligent search (VCA, tag, AcuSearch, AcuSeek) across cascaded servers.

- **Customizable Multi-Server Views**

Combine cameras, reports, or other resources from different servers into personalized layouts for quick access.

Robust Integration Capabilities

- **ONVIF Protocol Compliance**

Allow for incorporating cameras from popular third-party security solutions

- **Support for Proprietary Protocols and Native API / SDK**

Connect video devices from other manufacturers including Dahua, Axis, and Hanwha

Comprehensive Statistics

Diverse data analysis provides multiple statistical reports with options to export detailed data summaries

Software Specifications

Features		Maximum Performance
Manageable Resources	Cameras (Including cameras accessed by ONVIF protocol and third-party cameras)	128 (No more than 8 ANPR cameras and 16 cameras for face picture comparison and body recognition are allowed.)
	Doors	32
	Security Control Panels	8
	Alarm Inputs	256
	Alarm Outputs	256
	External Streaming Servers	64
Access Control	Persons	2,000
	Cards	6,000
	Profile Pictures	2,000
	Fingerprints	4,000
	Irises	4,000
Intelligent Recognition	Face Picture Libraries	64
	Face Pictures	2,000
Main Panel for Monitoring and Control	Resources in One View	64
	Resources in Multiple Views	256
	Areas	256
	Map	● Total E-Maps: 16 ● Maps in One View: 4
Users, Roles, and Permissions	Local Users	128
	Cloud Users	128
	Roles	64
	Online Users on Desktop	64
	Online Users on Mobile Clients	64
Event and Alarm	Events Receiving	20/s
	Number of Alarm Rules	1,000
	Speed of Pushing Alarms / Events / Notifications from Server to One Client	20/s
Data Storage	Video Storage Throughput	600 Mbps
	Retention Period of Captured Faces, ANPR Records, Events, Intelligent Analysis Data, Access Records, and System Logs	3 Years
	Storage Capacity (including captured faces, ANPR records, events, intelligent analysis data, access records, and system logs)	10 million

System Requirements

** For high stability and good performance, the following system requirements must be met.*

Client	Operating System
Server	Microsoft® Windows Server 2025 Microsoft® Windows Server 2022 Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit
Desktop	Microsoft® Windows Server 2025 Microsoft® Windows Server 2022 Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit
Mobile Client	iOS 14.0+ Android 8.0+

Recommended Hardware Specifications

Feature	Configuration 1 (NVR Storage)	Configuration 2 (System Storage)
CPU	Intel® Core™ i5-12500	Intel® Core™ i7-12700
RAM	2*8 GB	2*8 GB
NIC	1 GbE NIC	1 GbE NIC
SSD for OS	Enterprise Class SSD	Enterprise Class SSD
HDD for Video Storage	Enterprise-class HDD or high performance network HDD. It should support writing or reading of 10 MB/s.	Enterprise-class HDD or high performance network HDD. It should support writing or reading of 20 MB/s.
SSD Capacity for Database	At least 500 GB	At least 500 GB
OS	Microsoft® Windows 10 64-bit or later	Microsoft® Windows 10 64-bit or later

Decoding Performance of Desktop

The performance is tested based on the following configuration.

Feature	Configuration
Recommended Model	DS-VP41D-C/HW5
CPU	Intel® Core™ i5-12500 3.0.0 GHz
RAM	16 (8+8) GB
NIC	Intel® Ethernet Connection (17) I219-LM
Graphics Card	Intel®UHD Graphics 770
OS	Microsoft® Windows 10 (64-bit)

Performance of H.264 with Hardware Decoding

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	6	1080p	35
30	12	8 MP	10
25	6	1080p	42
25	12	8 MP	12

Performance of H.264 with Software Decoding

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	6	1080p	15
30	12	8 MP	5
25	6	1080p	17
25	12	8 MP	6

Performance of H.265 with Hardware Decoding

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	3	1080p	41
30	6	8 MP	11
25	3	1080p	45
25	6	8 MP	15

Performance of H.265 with Software Decoding

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	3	1080p	13
30	6	8 MP	4
25	3	1080p	15
25	6	8 MP	5

See Far, Go Further



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