

HikCentral-Storage/256/16H

HikCentral-Storage/256/16H is a flexible, reliable, and powerful central security system.

HikCentral-Storage/256/16H provides central management, information sharing, convenient connection and multi-service cooperation. It is capable of adding devices for management, live view, storage and playback of video files, alarm linkage, access control, and so on.



Key Feature

Live View and Playback

- Custom window division configurable
- Viewing maps and real-time events during live view and playback
- Adding tags during playback and playing tagged video
- Transcoded playback, frame- extracting playback, and stream type self-adaptive
- Fisheye Dewarping

Visual Tracking

Recording and Storage

- Recording schedule for continuous recording, event recording and command recording
- Storing videos on encoding devices, Hybrid SANs, and cloud storage servers
- Providing main storage and auxiliary storage
- Providing video copy-back
- Storing alarm pictures on NVRs, Hybrid SANs, cloud storage servers, pStors, or system management server

Event Management

- Camera linkage, alarm pop-up window and multiple linkage actions
- Multiple events for video security, access control, resource group, resource maintenance, etc.

Person Management

- Getting person information from added devices
- Provides multiple types of credentials, including card number, face, and fingerprint, for composite authentications

Access Control and Video Intercom

- Setting schedules for free access status and access forbidden status of doors
- Supports multiple access modes for both card reader authentication and person authentication
- Setting access groups to relate persons, templates, and access points, which defines the access levels of different persons
- Supports advanced functions such as multi-factor authentication, anti-passback, and multi-door interlocking
- Controlling door status in real-time
- Calling indoor station by the Control Client
- Calling the platform by door station and indoor station, and answering the call by the Control Client

Face and Body Recognition

- Displaying the information of the recognized persons in real-time
- Searching history records of recognized persons, including searching in captured pictures, searching matched persons, searching by features of persons, and searching frequently appeared persons



Entrance and Exit Control

- Managing parking lot, entrances and exits, and lanes. Supports linking a LED screen with lane for information display
- Setting entry & exit rules for vehicles in the vehicle lists as well as vehicles not in any vehicle lists
- Entrance and exit control based on license plate recognition, card, or video intercom
- Viewing real-time and history vehicle information and controlling barrier gate manually on the Control Client

Temperature Screening

- Displaying the skin-temperature and whether wearing a mask or not about the recognized persons in real time
- Triggering events and alarms when detects abnormal temperature and no mask worn
- Viewing reports about skin-surface temperature and mask-wearing

Time and Attendance

- Setting different attendance rules for various scenarios, such as one-shift and man-hour shift
- Customizing overtime levels and setting corresponding work hour rate
- Supports flexible and quick settings of timetables and shift schedule
- Supports multiple types of reports according to different needs and sending reports to specified emails regularly
- Sending the original attendance data to a third-party database (Microsoft® SQL Server, MySQL, or PostgreSQL), thus the client can access third-party T&A and payment system

Intelligent Analysis

- Supports setting resource groups and analyzing data by different groups
- Supports intelligent analysis reports including people counting, queue analysis, heat analysis, pathway analysis, person feature analysis, vehicle analysis, and skin-surface temperature analysis.
- Display the number of people in specified regions in real-time

Security Control

- Real-time alarm management for added security control panels
- Adding zone as hot spot on E-map and viewing the video of the linked camera
- Event and alarm linkage with added cameras, including pop-up live view, captured picture
- Subscribing the events that the Control Client can display in real-time
- Acknowledging the received alarm on the Control Client

Network Management

- Managing network transmission devices such as switches, displaying the network connection and hierarchical relationship of the managed resources by a topology
- Viewing the network details between the device nodes in the topology, such as downstream and upstream rate, port information, etc. and checking the connection path
- Exporting the topology and abnormal data to check the device connection status and health status

Software Specification

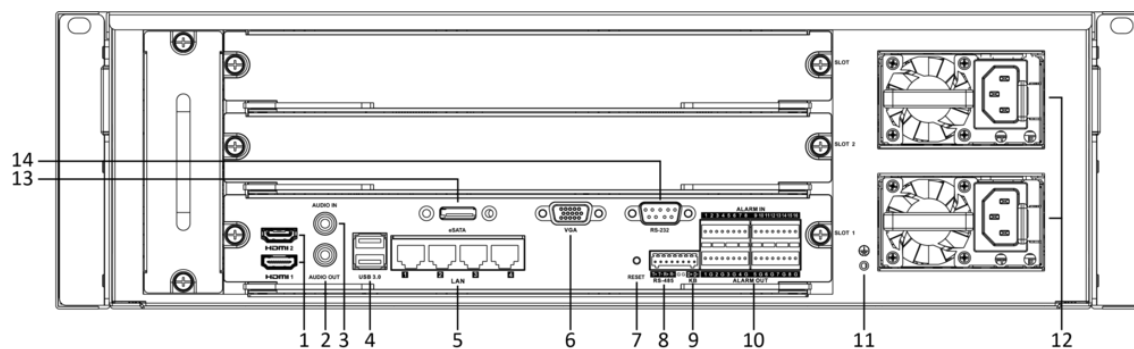
Features		Maximum Performance
Devices and Servers	Cameras	256
	Video Intercom Devices	64
	Alarm Inputs	64
	Alarm Outputs	64
	ANPR Cameras	32
	Facial Recognition Cameras	16
	Security Radars and Radar PTZ Cameras	16
	Recording Server	16
	People Counting Cameras	16
	Heat Map Cameras	16
	Thermal Cameras	16
	Queue Management Cameras	16
Recording	Recording Schedule	64
	Recording Schedule Template	32
Event & Alarm	Event and Alarm Rules	1,500
	Storage of Events or Alarms without Pictures	100/s
	Events or Alarms Sent to Clients	15/s 32 Clients/s
Storage	Picture Storage <i>*Including event/alarm pictures, face pictures, and vehicle pictures.</i>	20/s
	Data Retention Period	Stored for 3 Years
Users and Roles	Concurrent Accesses via Web Clients, Control Clients, and OpenAPI Clients	32
	Concurrent Accesses via Mobile Clients and OpenAPI Clients	32
	Users	256
	Roles	32
Entrance & Exit	Vehicle Lists	100
	Vehicles per Vehicle List	5,000
	Lanes	8
	Vehicle Passing Frequency in Each Lane	1 Vehicle/s
Face Comparison	Persons with Profiles for Face Comparison	10,000
	Face Comparison Groups	16
	Persons in One Face Comparison Group	1,000
Access Control	Persons with Credentials for Access Control	10,000
	Total Credentials (Card + Fingerprint)	50,000
	Cards	50,000
	Fingerprints	40,000
	Profile Pictures	10,000
	Access Points (Doors + Outdoor Station)	128
	Access Levels	256
Time and Attendance	Persons for Time and Attendance	10,000
	Shift Schedules	128
	Major Leave Types	64
	Minor Leave Types of One Major Type	128
Smart Wall	Decoding Devices	32
	Smart Walls	32
	Views Auto-Switched Simultaneously	32

Hardware Specification



System	
Operating System	Embedded Linux
Main Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series
Memory	16GB DDR4. ECC parity. Extendable up to 64 GB
System Bandwidth	Multi-address/net fault-tolerance mode: 768 Mbps; Load balancing mode: 1,000 Mbps
Number of Storage Channels	256
Video and Audio	
HDMI 1 Output	1024 × 768/60 Hz
HDMI 2 Output	1024 × 768/60 Hz
VGA Output	1024 × 768/60 Hz
Video Output Mode	HDMI1/HDMI2/VGA simultaneous output
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Network	
Network Mode	Net fault-tolerance, load balance, multi-address
Network Interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60, JBOD
Auxiliary Interface	
SSD	Industrial-level SSD with 128 GB capacity
SATA	16 SATA interfaces supporting hot-swapping (except the HDD at the first slot which contains the system disk)
eSATA	1 eSATA interface
Capacity	Up to 10 TB capacity for each disk
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/8
Extension Board	The extension board is optional to support. It has four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, 32 alarm inputs, and 16 alarm outputs.
General	
Power Parameter	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 140 W (without HDD)
Working Temperature	0 °C to 50 °C (32 °F to 122 °F);
Working Humidity	10% to 90% RH (no freezing and no condensation)
Chassis	3U
Dimension (W × D × H)	446 × 495 × 133 mm (17.6 × 19.5 × 5.2 inch)
Weight	≤ 17 kg (37.5 lb.)

Physical Interface



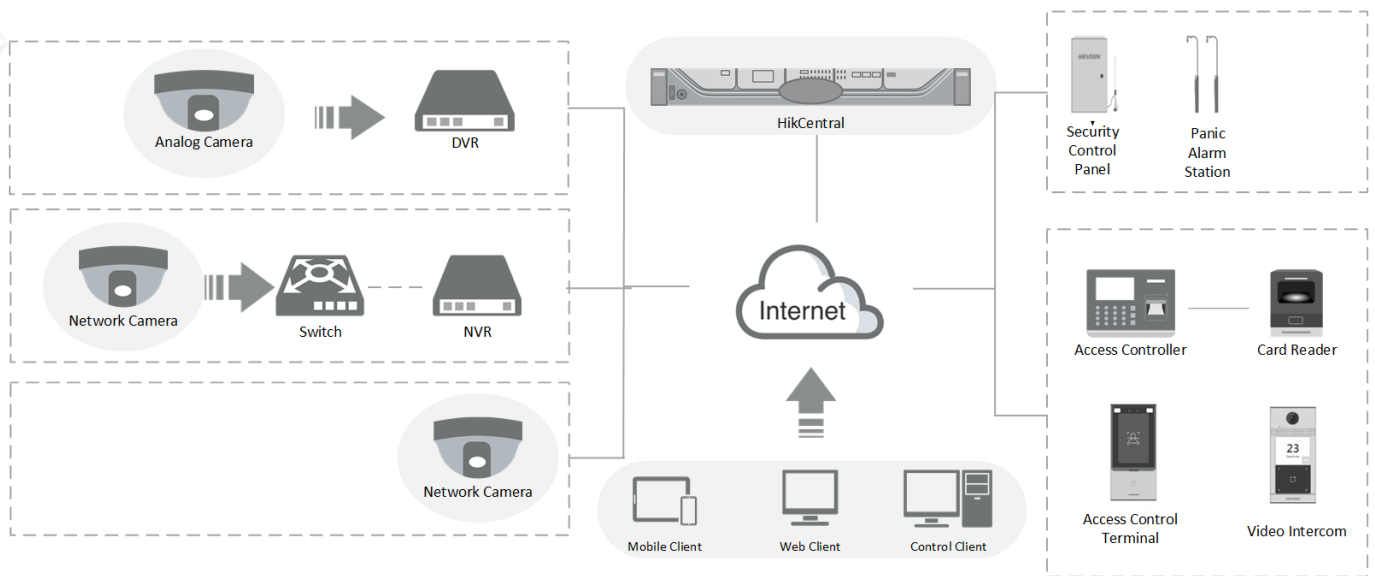
No.	Description	No.	Description
1	HDMI 1/HDMI 2 Port	8	RS-485 Serial Port
2	AUDIO OUT, RCA Connector	9	Keyboard Port
3	AUDIO IN, RCA Connector	10	ALARM IN/OUT
4	USB 3.0 Port	11	Ground
5	LAN Network Port	12	100 to 240 VAC Power Supply
6	VGA Port	13	RS-232 Serial Port
7	Reset Button	14	eSATA Port

System Requirement

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

Feature	Description
OS for Control Client	Microsoft® Windows 7 SP1 (32/64-bit) Microsoft® Windows 8.1 (32/64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 (64-bit) Microsoft® Windows Server 2012 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit) Microsoft® Windows Server 2016 (64-bit) Microsoft® Windows Server 2019 (64-bit) <i>*For Windows 8.1 and Windows Server 2012 R2, make sure it is installed with the rollup (KB2919355) updated in April, 2014.</i>
Browser Version	Internet Explorer 10/11 and above Chrome 61 and above Firefox 57 and above Safari 11 and above (running on Mac OS X 10.3/10.4)
Database	PostgreSQL V9.6.13
OS for Smartphone	iOS 10.0 and later Android phone OS version 5.0 or later, and dual-core CPU with 1.5 GHz or above, and at least 2G RAM
OS for Tablet	iOS 10.0 and later Android tablet with Android OS version 5.0 and later

Typical Application



Distributed by



HIKVISION®

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com