

## HikCentral-VSS-Base-HW-64Ch

HikCentral Professional is a flexible, scalable, reliable and powerful central surveillance system. It can be delivered after pre-installed on a server.

HikCentral Professional 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, and so on.



### Key Feature

#### Live View and Playback

- Up to 256 channels live view simultaneously
- 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, cloud storage servers, pStors, or in pStor cluster service
- Providing main storage and auxiliary storage
- Providing video copy-back
- Storing alarm pictures on NVRs, Hybrid SANs, cloud storage servers, pStors, or HikCentral server

#### Event Management

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

#### 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

The following table shows the maximum performance of the HikCentral Professional server. For other detailed data and performance, refer to *Software Requirements & Hardware Performance*.

Features		Maximum Performance
<b>Devices and Resources</b>	Cameras	64 <sup>①</sup>
	Alarm Inputs	64
	Alarm Outputs	64
	Recording Servers	64
	Streaming Servers	64
	Areas	64
	Cameras per Area	64
	Alarm Inputs per Area	64
	Alarm Outputs per Area	64
<b>Recording</b>	Recording Schedule	3,000
	Recording Schedule Template	200
<b>Event &amp; Alarm</b>	Event and Alarm Rules	3,000
	Storage of Events or Alarms without Pictures	100/s
	Events or Alarms Sent to Clients <i>*The clients include Control Clients and Mobile Clients.</i>	120/s 100 Clients/s
	Notification Schedule Templates	200
<b>Picture</b>	Picture Storage	20/s (Stored in SYS Server)
		120/s (Stored in Recording Server)
<b>Reports</b>	Regular Report Rules	100
	Event or Alarm Rules in One Event/Alarm Report Rule	32
	Records in One Sent Report	10,000 or 10 MB
	Resources Selected in One Report <i>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</i>	20
<b>Users and Roles</b>	Concurrent Accesses via Web Clients, Control Clients, and OpenAPI Clients	100
	Concurrent Accesses via Mobile Clients and OpenAPI Clients	100
	Users	3,000
	Roles	3,000
<b>Streaming Server's Maximum Performance</b>		
Video Input Bandwidth per Streaming Server		300 × 2 Mbps
Video Output Bandwidth per Streaming Server		300 × 2 Mbps

①: If the number of the manageable cameras (including the cameras directly added to the site and the cameras connected to these added devices) exceeds 64, the exceeded cameras cannot be imported to the areas.

## Hardware Specification

<b>Processor</b>	Intel® Xeon® E-2124	
<b>Memory</b>	16G DDR4 DIMM slots, Supports UDIMM, up to 2666 MT/s, 64GB Max. Supports registered ECC	
<b>Storage Controllers</b>	Internal Controllers: SAS_H330 Software RAID: PERC S140 External HBAs: 12Gbps SAS HBA (non-RAID) Boot Optimized Storage Subsystem: 2x M.2 240GB (RAID 1 or No RAID), 1x M.2 240GB (No RAID Only)	
<b>Drive Bays</b>	1T 7.2K SATA×2	
<b>Power Supplies</b>	Single 250W (Bronze) power supply	
<b>Dimensions</b>	Form Factor: Rack (1U) Chassis Width: 434.00mm (17.08 in) Chassis Depth: 595.63mm (23.45 in) (3.5”HHD) <b>Note:</b> These dimensions do not include: bezel, redundant PSU	
<b>Dimensions with Package (W × D × H)</b>	750 mm × 614 mm × 259 mm (29.53" × 24.17" × 10.2")	
<b>Net Weight</b>	12.2 kg	
<b>Weight with Package</b>	18.5 kg	
<b>Embedded NIC</b>	2 x 1GbE LOM Network Interface Controller (NIC) ports	
<b>Device Access</b>	Front Ports: 1x USB 2.0, 1 x IDRAC micro USB 2.0 management port Rear Ports: 2 x USB 3.0, VGA, serial connector	
<b>Embedded Management</b>	iDRAC9 with Lifecycle Controller iDRAC Direct DRAC RESTful API with Redfish	
<b>Integrations and Connections</b>	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight (available from BMC) Red Hat Ansible	Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNibus
<b>Operating Systems</b>	Microsoft Windows Server® with Hyper-V	

## System Requirement

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

Feature	Description
<b>OS for Control Client</b>	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>
<b>OS for Visitor Terminal</b>	Android 7.1 and later
<b>Browser Version</b>	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)
<b>OS for Smartphone</b>	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
<b>OS for Tablet</b>	iOS 10.0 and later Android tablet with Android OS version 5.0 and later

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