

HikCentral-VSS-Base-HW-300Ch

HikCentral-VSS-Base-HW is integrated with the HikCentral Professional Server, and the licenses are pre-activated. The out of box product meets versatile security challenges in medium and large security scenes in one intuitive platform: from managing individual systems such as video security, access control, intrusion alarm, etc., to collaborating multiple systems under a unified architecture. While protecting people and property, it makes daily operations more efficient, and helps various kinds of users make smarter decisions.



Key Feature

Live View and Playback

- Custom window division configurable
- Viewing maps and real-time events during live view and playback
- Stream type self-adaptive, transcoded playback, and frame- extracting playback
- Fisheye dewarping of multi-channel
- Controlling PTZ in visualization way
- Supports decoding stream from cameras with high-definition, such as PanoVu series camera

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
- Providing main storage and auxiliary storage
- Providing video copy-back
- Storing alarm pictures on NVRs, Hybrid SANs, cloud storage servers, or HikCentral server
- Supports search of VCA event related videos, video footages, and event triggered video footages.

Event Management

- Camera linkage, alarm pop-up window and multiple linkage actions
- Multiple events for video security, access control, resource group, resource maintenance, etc.
- Supports adding combined alarms in a visualization way

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
Devices and Resources	Cameras	300 ^①
	Alarm Inputs	300
	Alarm Outputs	300
	Recording Servers	64
	Streaming Servers	64
	Areas	300
	Cameras per Area	64
	Alarm Inputs per Area	64
	Alarm Outputs per Area	64
Recording	Recording Schedule	3,000
	Recording Schedule Template	200
Event & Alarm	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
Picture	Picture Storage	20/s (Stored in SYS Server)
		80/s (Stored in Recording Server)
Users and Roles	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
Streaming Server's Maximum Performance		
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 300, the exceeded cameras cannot be imported to the areas.

Hardware Specification

Processor	Intel® Xeon® E-2124	
Memory	16G DDR4 DIMM slots, Supports UDIMM, up to 2666 MT/s, 64GB Max. Supports registered ECC	
Storage Controllers	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)	
Drive Bays	1T 7.2K SATAx2	
Power Supplies	Single 250W (Bronze) power supply	
Dimensions	Form Factor: Rack (1U) Chassis Width: 434.00mm (17.08 in) Chassis Depth: 595.63mm (23.45 in) (3.5"HHD) Note: These dimensions do not include: bezel, redundant PSU	
Dimensions with Package (W × D × H)	750 mm × 614 mm × 259 mm (29.53" × 24.17" × 10.2")	
Net Weight	12.2 kg	
Weight with Package	18.5 kg	
Embedded NIC	2 x 1GbE LOM Network Interface Controller (NIC) ports	
Device Access	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	
Embedded Management	iDRAC9 with Lifecycle Controller iDRAC Direct DRAC RESTful API with Redfish	
Integrations and Connections	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
Operating Systems	Certify XenServer Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux Ubuntu Server This model is installed with Microsoft Windows Server® 2019 multilingual operating system.	SUSE® Linux Enterprise Server VMware® ESXi

System Requirement

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

Feature	Description
OS for Control Client	Microsoft® Windows 11 64-bit Microsoft® Windows 10 (64-bit) Microsoft® Windows 8.1 (32/64-bit) Microsoft® Windows 7 SP1 (32/64-bit) Microsoft® Windows Server 2022 Microsoft® Windows Server 2019 (64-bit) Microsoft® Windows Server 2016 (64-bit) Microsoft® Windows Server 2012 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit) Microsoft® Windows Server 2008 R2 SP1 (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 11 and above Chrome 100 and above Firefox 100 and above Safari 13 and above
OS for Smartphone	iOS 10.0 and later Android 6.0 and above
OS for Tablet	iOS 10.0 and later Android tablet with Android OS version 6.0 and above

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