

## HikCentral-VSS-Base-HW-300Ch

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	300 <sup>①</sup>
	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
<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) 80/s (Stored in Recording Server)
<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 300, 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 SATAx2	
<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>	Certify XenServer Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux Ubuntu Server This model is installed with Microsoft Windows Server® 2016 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
<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>	<b>Internet Explorer 11 and above</b> 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

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  
sateru@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