

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

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   | 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   |
| 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<br><i>*The clients include Control Clients and Mobile Clients.</i>   | 120/s<br>100 Clients/s   |
|   | Notification Schedule Templates   | 200  |
| Picture                                       | Picture Storage   | 20/s (Stored in SYS Server)<br>80/s (Stored in Recording Server) |
| Reports                                       | 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<br><i>*With this limitation, you can generate a neat and clear report via the Control Client and it costs less time.</i> | 20   |
| 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  |
| <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.<br>Supports registered ECC  |   |
| <b>Storage Controllers</b>                 | Internal Controllers: SAS_H330<br>Software RAID: PERC S140<br>External HBAs: 12Gbps SAS HBA (non-RAID)<br>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)<br>Chassis Width: 434.00mm (17.08 in)<br>Chassis Depth: 595.63mm (23.45 in) (3.5"HHD)<br><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<br>(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<br>Rear Ports: 2 x USB 3.0, VGA, serial connector  |   |
| <b>Embedded Management</b>                 | iDRAC9 with Lifecycle Controller<br>iDRAC Direct<br>DRAC RESTful API with Redfish   |   |
| <b>Integrations and Connections</b>        | Integrations:<br>Microsoft® System Center<br>VMware® vCenter™<br>BMC Truesight (available from BMC)<br>Red Hat Ansible  | Connections:<br>Nagios Core & Nagios XI<br>Micro Focus Operations Manager i (OMi)<br>IBM Tivoli Netcool/OMNibus |
| <b>Operating Systems</b>                   | Certify XenServer<br>Citrix® XenServer®<br>Microsoft Windows Server® with Hyper-V<br>Red Hat® Enterprise Linux<br>Ubuntu Server<br>This model is installed with Microsoft Windows Server® 2019 multilingual operating system. | SUSE® Linux Enterprise Server<br>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 11 64-bit<br>Microsoft® Windows 10 (64-bit)<br>Microsoft® Windows 8.1 (32/64-bit)<br>Microsoft® Windows 7 SP1 (32/64-bit)<br>Microsoft® Windows Server 2022<br>Microsoft® Windows Server 2019 (64-bit)<br>Microsoft® Windows Server 2016 (64-bit)<br>Microsoft® Windows Server 2012 (64-bit)<br>Microsoft® Windows Server 2012 R2 (64-bit)<br>Microsoft® Windows Server 2008 R2 SP1 (64-bit)<br><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>Browser Version</b>       | Internet Explorer 11 and above<br>Chrome 100 and above<br>Firefox 100 and above<br>Safari 13 and above   |
| <b>OS for Smartphone</b>     | iOS 10.0 and later<br>Android 6.0 and above  |
| <b>OS for Tablet</b>         | iOS 10.0 and later<br>Android tablet with Android OS version 6.0 and above   |

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