

Aurora AVS-RK76XD2-I Network Video Server

video sentinel

The Aurora Video Sentinel Series Offers a More Capable and Agile Storage Solution

Meet the demands of your growing unstructured data with cutting-edge object storage technology:

- ▶ Enhanced performance with powerful processors and available GPUs
- ▶ 7% more storage capacity for increased data per rack
- ▶ Lower service costs to reduce overhead
- ▶ Air-cooled design for seamless integration into your existing infrastructure



SPECIFICATIONS

GENERAL

Processor

- Up to two 4th Generation Intel Xeon Scalable processors, with up to 32 cores per processor or
- Up to two 5th Generation Intel Xeon Scalable processors, with up to 28 cores per processor and optional Intel® QuickAssist Technology

Memory

- 16 DDR5 DIMM slots, supports RDIMM 1.5 TB max, speeds up to 5600 MT/s
 - Supports registered ECC DDR5 DIMMs only
- Note: The maximum memory speed the system will support is 4800 MT/s due to the limitation of the processor.
Note: 5600 MT/s RDIMMs are applicable for 5th Gen Intel Xeon Scalable Processors.

Dimensions

- Height – 86.8 mm (3.41 inches)
- Width – 481.6 mm (18.96 inches)
- Depth – 837 mm (32.95 inches)

Power Supplies

- 1800 W Titanium 200–240 VAC or 240 VDC, hot swap redundant
- 1400 W Platinum 100–240 VAC or 240 VDC, hot swap redundant
- 1400 W Titanium 277 VAC or 336 VDC, hot swap redundant
- 1400 W Titanium 100–240 VAC or 240 VDC, hot swap redundant
- 1100 W Titanium 100–240 VAC or 240 VDC, hot swap redundant
- 1100W LVDC –48 – –60 VDC, hot swap redundant
- 700 W Titanium 200–240 VAC or 240 VDC, hot swap redundant

Cooling Options

- Air cooling

Form Factor

- 2U rack serve

Drive Bays

Front bays:

- Up to 12 x 3.5-inch SAS/SATA max 264 TB

Mid bays:

- Up to 12 x 3.5-inch SAS/SATA max 264 TB

Rear bays:

- Up to 4 x 3.5-inch SAS/SATA max 88 TB
- Up to 4 x 2.5-inch NVMe with 3.5-inch carrier max 30.72 TB
- Up to 2 x 2.5-inch NVMe max 15.36 TB
- 4 x E3.S NVMe max 61.44 TB

Bezel

- N/A

OpenManageSoftware

- OpenManageEnterprise
- OpenManagePower Manager plugin
- OpenManageService plugin
- OpenManageUpdate Manager plugin
- CloudIQ for Video Sentinel series plug in
- OpenManageEnterprise Integration for VMware vCenter
- OpenManageIntegration for Microsoft System Center
- OpenManageIntegration with Windows Admin Center

Mobility

- OpenManageMobile

Embedded NIC

- 2 x 1 GbE LOM

GPU Options

- 1 x 60 W single-width GPU

Fans

- Up to 6 Standard (STD) fans, hot swappable.

Network options

- 1 x OCP card 3.0 (optional)

Embedded Management

- iDRAC9
- iDRAC Direct
- iDRAC RESTful API with Redfish
- iDRAC Service Module

Tools

- iDRAC RESTful API with Redfish
- IPMI
- RACADM CLI
- Aurora System Update
- Enterprise Catalogs
- Aurora Repository Manager

OpenManageIntegrations

- BMC Truesight
- Microsoft System Center
- OpenManageIntegration with ServiceNow
- Red Hat Ansible Modules
- Terraform Providers
- VMware vCenter and vRealize Operations Manager

Security

- Cryptographically signed firmware
- Data at Rest Encryption (SEDs with local or external key mgmt)
- Secure Boot
- Secured Component Verification (Hardware integrity check)
- Secure Erase
- Secured-core server
- Silicon Root of Trust
- System Lockdown (requires iDRAC9 Enterprise or Datacenter)
- TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ

Ports

Front Ports

- 1 x iDRAC Direct (Micro-AB USB) port
- 1 x USB 2.0

Rear Ports

- 1 x Dedicated iDRAC Ethernet port
- 1 x USB 2.0
- 1 x USB 3.0
- 1 x VGA

Internal Ports

- 1 x USB 3.2 Gen1

Storage controllers

- Internal Controllers (RAID): PERC H755, PERC H965i, PERC H355
- Internal Controllers (non-RAID): HBA355i, HBA465i
- Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSD drives (hot swappable), or USB
- External HBAs (non-RAID): HBA355e, HBA465e
- External Controllers (RAID): H965e

PCIe

Up to five PCIe slots:

- Slot 1: 1 x16 Gen4 Low profile, Half length Rear Ports
- Slot 2: 1 x8 (x16 connector) Gen4 Low profile, Half length or 1 x16 Gen4 Full height, Full length or 1 x16 Gen4 Full height, Half length
- Slot 3: 1 x16 Gen4 Low profile, Half length or 1 x16 Gen4 Full height, Full length or 1 x16 Gen4 Full height, Half length
- Slot 4: 1 x16 Gen4 Low profile, Half length
- Slot 5: 1 x16 Gen4 Low profile, Half length

Note: Slot 5 is dedicated for internal PERC card

Operating System and Hypervisors

- Microsoft Windows Server with Hyper-V
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server
- VMware ESXi
- Canonical Ubuntu Server LTS