

# Hitachi Video Server is an ideal solution for video data storage and management for mid- to large-sized deployments with high performance requirements.

## DATASHEET

### HITACHI VIDEO SERVER

Hitachi Video Server is designed as an enterprise-class, high-performance video data solution for medium to large video data storage applications. Video Server offers superior performance and high storage density in a space-saving form factor. Built on best-in-class components and providing up to 192TB of storage in a 2U chassis, Video Server provides the scalability needed for a true enterprise solution (see Figure 1). With Intel Xeon processors, and four 10 gigabit Ethernet ports, the video server is capable of handling the demanding high-megapixel compute and storage requirements of enterprise-class deployments.

Hitachi Video Servers are optimal for mid- to large-scale video surveillance projects in colleges, medical facilities, office and retail environments and are scalable to a wide variety of other applications.

The server is useful for IOPS-intensive storage applications, video management system (VMS) applications such as Milestone or OnSSI, virtual storage environments, single-instance storage and data deduplication. When fully populated, the Video Surveillance Server can store 30 days of 128 full HD video surveillance streams.

Hitachi Video Server comes with four additional bays on the back of the server for serial ATA solid-state drives (SATA SSD) that can be configured with RAID-1 for running operating systems, video management systems and/or other applications to maximize primary storage for video surveillance data.

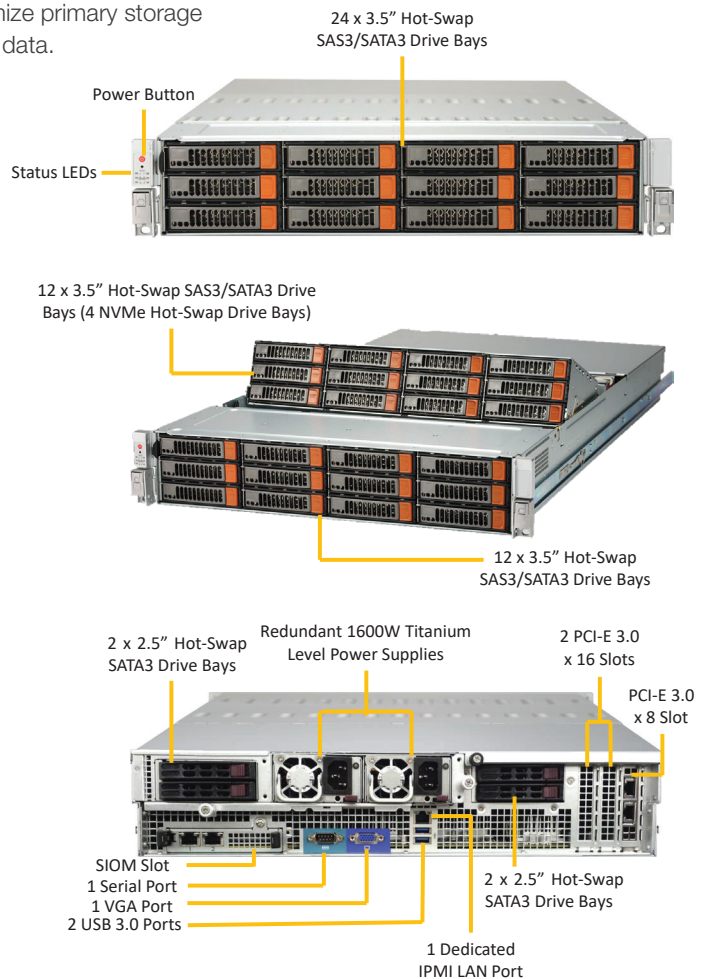


Figure 1. Hitachi Video Server Configuration

## Configuration Options:

Hitachi Video Server can be ordered to fit your requirements:

Processor: 2 Intel Xeon E5-2620 v4

Media drive type: Nearline serial-attached SCSI (NL-SAS) 4TB or 8TB enterprise-class 3.5"

Drive quantity: 12 or 24

RAM: 128GB

Networking: 4 x 10Gb NICs

Software: Microsoft Server 2016 standard

## HITACHI VIDEO SERVER STORAGE CONFIGURATION OPTIONS

	24 x 8TB Drives	12 x 8TB Drives	24 x 4TB Drives	12 x 4TB Drives
<b>Raw Capacity</b>	192TB	96TB	96TB	48TB
<b>RAID-5 Capacity</b>	184TB	88TB	92TB	44TB
<b>RAID-6 Capacity</b>	176TB	80TB	88TB	40TB
<b>RAID-10 Capacity</b>	96TB	48TB	48TB	24TB

## SURVEILLANCE VIDEO RETENTION CHART

The following table shows the number of days video files can be retained with 100 video feeds at various resolution requirements and Video Server configurations.

Drive Configurations Camera Video Feed	192TB Raw 24 8TB Drives 176TB RAID-6	96TB Raw 12 8TB Drives or 24 4TB Drives 80TB RAID-6	48TB 12 4TB Drives 40TB RAID-6
2.0 MP, 30fps, H.264	38 days	17 days	8 days
2.0 MP, 15fps, H.264	76 days	34 days	17 days
1.3 MP, 30fps, H.264	42 days	19 days	9 days
1.3 MP, 15fps, H.264	85 days	38 days	19 days
1.0 MP, 30fps, H.264	45 days	20 days	10 days
1.0 MP, 15fps, H.264	91 days	40 days	20 days

MP = megapixel, fps = frames per second



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