Data Sheet

Huawei OceanStor 2600 V3 for Video

Specially Designed Storage for Video Surveillance

OceanStor 2600 V3 for Video is a SAN/NAS converged storage system purpose-built for video surveillance scenarios. The system enables personnel to record and call up video footage, and supports storage and search of checkpoint images. The leading performance, security, reliability, converged， ease-of-use, and energy-saving credentials of the offering all help lower TCO.

Highlights

- **Professional**

  Professional-Adopts leading PCIE3.0 and SAS3.0 technologies and A-A architecture, providing enterprise-class video storage capability.

  Support for 396 disks on a single device, Supports up to 1024 channels of 2Mbps recording and playback.

- **Innovative**

  Supports intensity-9 earthquake resistance and system-level anti-corrosion, ensuring business reliability.

  Adopts innovative data protection technologies, supporting 2TB/h video restoration and ensuring zero loss of critical videos and images.

- **Excellent**

  Passes 22-step quality check, providing 99.999% device-level availability.

  Supports automatic disk scanning and restoration, reducing the annual failure rate of disks to much lower than industry average.

Features

Leading Specifications

Leading hardware: Adopts an active-active dual-controller architecture, new-gen PCI-E 3.0 buses, and 12 Gbit/s SAS 3.0 high-speed disk ports to satisfy video surveillance, checkpoint image capture, and other bandwidth- intensive use cases.

Leading performance: Can support for 396 disks on a single device; Supports up to 1024 channels of 2Mbps recording and playback.

Safe and Reliable

Online scalability: Controllers, fans, power supplies, disks, and interface modules are all hot-swappable; resources are linearly expandable online; and disk roaming technology decouples disks from slots to ensure services remain up and running.

Data protection: Innovative RAID2.0+ data protection technology achieves automatic load balancing among hard disks through virtualization of the underlying layer, reducing the disk failure rate and delivering a 20-fold improvement in data reconstruction speeds compared to traditional models. Snapshot, replication and other data protection features ensure up to six-nines data availability.

Converged and easy to use

Convergence of SAN and NAS: OceanStor 2600 V3 for video supports both SAN and NAS. In terms of SAN, it supports FC SAN and IP SAN, compatible with multiple video access protocols and paths.

Easy configurations: Huawei proprietary SmartConfig automatically completes server mounting, LUN configurations, and other operations; storage resource configurations completed in three simple steps in less than one minute.

Energy-Saving

Intelligent 32-speed fan controls: Fan speeds are intelligently adjusted according to system temperature, reducing power consumption and noise while saving on operating costs.

Efficient power supply: Uses a platinum power supply with up to 94% power conversion efficiency.

Technical Specifications

Model	OceanStor 2600 V3 for Video
Hardware Specifications	
Maximum Number of Controllers	2
System Cache	32 GB (dual controllers)

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Model	OceanStor 2600 V3 for Video
Supported Storage Protocols	iSCSI ,FC,CIFS,NFS
Front-end Port Types	1/10 Gbps Ethernet, 8/16 Gbps FC
Back-end Port Type	SAS3.0 (4 x 12 Gbps each port)
Maximum Number of Hot-swappable I/O Modules per Controller	2
Maximum Number of Front-end Ports per Controll	10Gb Eth: 8 GE: 12
Maximum Number of Disks	396
Disk Types	4TB NL-SAS disks，6 TB/8TB/10TB SATA disks，600G SAS disks，1.92TB/3.84TB ssd disks
Software Specifications	
Supported RAID Levels	0, 1, 3, 5, 6, 10, 50
Maximum Number of LUNs	4096
Storage Management Software	DeviceManager (single device)
Block-level Virtualization	RAID 2.0+, balanced data distribution, quick fault recovery
data protect	HyperSnap，HyperReplication
Easy Configuration	SmartConfig significantly simplifies configurations, allowing personnel to quickly learn how to configure devices without having to understand the complexities of the storage technology.
Performance Specifications	
Video input and output capabilities*	Supports up to 1024 channels of 2Mbps recording and playback
Checkpoint Images	Tens of millions vehicle and street image captures per day
Electrical Specifications	
Power Supply	AC: 100 V to 240 V (adaptive to 240 V high-voltage DC)
Power Consumption	Power consumption in peak hours (full configuration of disks and interface cards): Controller enclosure: 477 W Common 4 U disk enclosure: 472 W Power consumption in active mode (full configuration of disks and interface cards): Controller enclosure: 366 W Common 4 U disk enclosure: 360 W Power consumption in unloaded mode (full configuration of disks and interface cards): Controller enclosure: 317 W Common 4 U disk enclosure: 340 W
Dimensions (H x W x D)	2U disk enclosure: 86.1 mm x 447 mm x 490 mm (3.39 in. x 17.60 in. x 19.21 in.) 4U disk enclosure: 175 mm x 447 mm x 490 mm (6.89 in. x 17.60 in. x 19.21 in.)
Weight (Including Disks)	2U controller enclosure: less than 24 kg (53 lb) 4U disk enclosure: less than 44 kg (97 lb)
Environmental Parameters	
Operating Temperature	-60 m to +1800 m: 5°C to 40°C 1800 m to 3000 m: approximate 1°C drop for every 220 m increment in altitude
Operating Humidity	5% RH to 90% RH

*Note:*This performance is obtained based on Huawei VMS platform SoftVCN, please refers to the best practices when integrated with the other VMS platform.*

For More Information

To learn more about Huawei storage, please contact the local office or visit Huawei Enterprise website http://e.huawei.com.

Huawei Enterprise APP

Huawei IT

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