VXS5300 Series VideoXpert Storage Server

450 MBPS Recording Throughput, up to 48TB Raw Capacity, RAID 6

Product Features



- Recording throughput up to 450 Mbps meets demanding performance requirements for write-intensive applications
- Hardware designed to eliminate single points of failure, including RAID 6 Storage for optimum reliability
- Includes support for third-party cameras without a translation interface
- ONVIF compliant: Supports ONVIF S-compliant cameras and devices
- Multicast recording support allows for recording of multicast data streams for restricted bandwidth scenarios
- Failover and redundant recording maximizes system uptime for mission-critical applications
- Serves up to 32 simultaneous playback streams independently of recording throughput
- Includes support for audio recording and playback for Pelco cameras
- Includes VideoXpert Storage software with a 300-channel license, 3-year upgrade plan, and full platform support
- Performance levels maintained during RAID error conditions

Overview

VXS5300 is a RAID 6, high-availability recording platform that captures, stores, and serves recorded video for your VideoXpert system.

The VXS5300 is designed to maximize uptime and ensure that you never lose access to your mission-critical video data. Its RAID 6 storage configuration provides double parity protection of recorded data; the hard drive bay is cooled through the use of high capacity, redundant fans to ensure that the drives are kept at an optimum operating temperature; and its fully redundant power supplies guard against power supply failures.

Hard drives are front-loading and hot-swappable, making it easy to remove and replace failed drives. The VXS5300 servers also maintain performance levels in both normal and RAID error conditions, preventing dips in performance and ensuring that users can always obtain the video they need through VideoXpert.

The VXS5300 hardware includes the Storage software, complete with a 3-year upgrade plan and Pelco support.

The Storage platform maximizes support for recording groups within VideoXpert. It allows you to configure pre- and post-event recording periods within VideoXpert, so that you capture the appropriate amount of video for any event. You can set the VXS5300 to operate using unicast or multicast streams, making Storage easily adaptable to your surveillance network. The VXS5300 also supports failover and redundant recording schemes, ensuring your video remains available even if a single Storage server in the cluster fails.

The VXS5300 natively supports third-party cameras as well as Optera cameras, so you can bring your third-party cameras into VideoXpert without expensive translation interfaces. Using the VXS5300, your third-party cameras aappear and operate within VideoXpert just as native Pelco cameras.

Technical Specifications

System

Item	Specification
Operating system	Windows Server 2016
RAID level	RAID 6
Effective capacity	36.10 TB
Drive interface	SAS
Web browser (recommended for PC)	Current version of Google Chrome, Mozilla Firefox, or Microsoft Edge

Networking

Item	Specification
Interface	4x 1 Gbps Ethernet RJ-45 ports (1000Base-T)
Auxiliary interfaces	
USB 2.0	2 ports (1 front, 1 rear)
USB 3.0	1 port (rear)
VGA	2 ports (1 front, 1 rear)

Power

Item	Specification
Power Input	100 to 240 VAC 50/60 Hz, autoranging
Power Supply	Internal, dual-redundant, hot swappable

Environmental

Item	Specification
Operating Temperature	10° to 35°C (50° to 95°F) at unit air intake
Non-Operating Temperature	–40° to 65°C (–40° to 149°F)
Operating relative humidity	10% to 80%

Item	Specification
Operating altitude	–15 to 3,048 m (–50 to 10,000 ft)
Non-operating altitude	-15 to 12,000 m (-50 to 39,370 ft)
Operating vibration	0.26 GRMS at 5 Hz to 350 Hz (all operation orientations)
Non-operating vibration	1.88 Grms at 10 Hz to 500 Hz for 15 min (all six sides tested)

Note: The temperature at the unit air intake, measured at the front of the bezel, can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent hard disk drive failure and unit damage, make sure the temperature at the air intake of the unit is continuously within the operating temperature range.

Physical

Item	Specification
Construction	Steel cabinet
Finish	
Front panel	Gray metallic
Chassis	Steel
Dimensions without rails (D x W x H)	75.5 x 48.3 x 8.8 cm (29.8" D x 19.0" W x 3.5" H)
Mounting	Rack, 2 RU per unit (rack rails and hardware are supplied)
Unit Weight (with drives)	32.5 kg (71.5 lb)

Certifications

- CE (Class A)
- FCC (Class A)
- UL/cUL Listed
- RCM
- CCC
- KC
- NOM

Model Numbers

License	Description
E1-VXS5300-48	Storage server with 36.10 TB storage

Supplied Accessories

- Rackmount kit, with brackets, rails, and hardware
- Power cords, 3 (US, UK, and EU)

Optional Power Accessories

- **PWRCRD-S-AR** Standard power cord, Argentina
- **PWRCRD-S-AU** Standard power cord, Australia
- **PWRCRD-S-EU** Standard power cord, Europe
- **PWRCRD-S-UK** Standard power cord, United Kingdom
- **PWRCRD-S-US** Standard power cord, United States
- **PWRCRD-R-AR** Round power cord, Argentina
- **PWRCRD-R-AU** Round power cord, Australia
- **PWRCRD-R-EU** Round power cord, Europe
- **PWRCRD-R-UK** Round power cord, United Kingdom
- **PWRCRD-R-US**Round power cord, United States



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