

Xcellis

Application Director



> DATASHEET

Flexible Application Server Tuned to Video Surveillance Workloads

SEAMLESSLY TRANSITION TO MULTI-TIER STORAGE AS YOUR STORAGE INFRASTRUCTURE NEEDS EXPAND

Xcellis™ Application Director is a server that can connect to Quantum's direct attached storage (QXS™-3, QXS-4, or QXS-6 Series) or seamlessly connect to a StorNext® client in an Xcellis platform environment. These two use cases allow customers to expand their infrastructure when the time is right without the need for a complete forklift upgrade. The upgrade path is simple—Xcellis Application Director interfaces with the StorNext file system and QXS storage is integrated into the multi-tier Xcellis platform workflow. This allows clients to easily redeploy assets no matter how the infrastructure changes.

Xcellis Application Director can also allow customers to run video management systems (VMS) and analytics applications directly connected to storage. This means customers will not have to move data across the ingest network, instead operating on

data that is in place. This configuration is suitable for smaller environments and can scale to larger environments.

How does it work? The Xcellis Application Director server runs applications such as video management systems (VMS) and analytics and attaches directly to our Quantum QXS-3, QXS-4, or QXS-6 Series storage to create a low-cost, entry-level VMS and analytics storage solution.

Why is this different? This server expands Quantum's portfolio ranging from camera installations of tens to tens of thousands. The Xcellis Application Director can work in low camera count infrastructures; however, when the customer is ready to expand, the Xcellis Application Director can be integrated into a StorNext multi-tier storage environment. This gives the customer the ability to leverage low-cost high-capacity disk, file-based tape, or cloud to tier longer retention data to more cost-effective forms of storage technologies.

FEATURES & BENEFITS

Flexible/Multi-Use

Can be used with direct attached storage (QXS-3, QXS-4, or QXS-6 Series) and/or run VMS and analytics applications of choice.

Versatile

Expansive portfolio ranging from camera installations of tens to tens of thousands.

Minimize Network Traffic

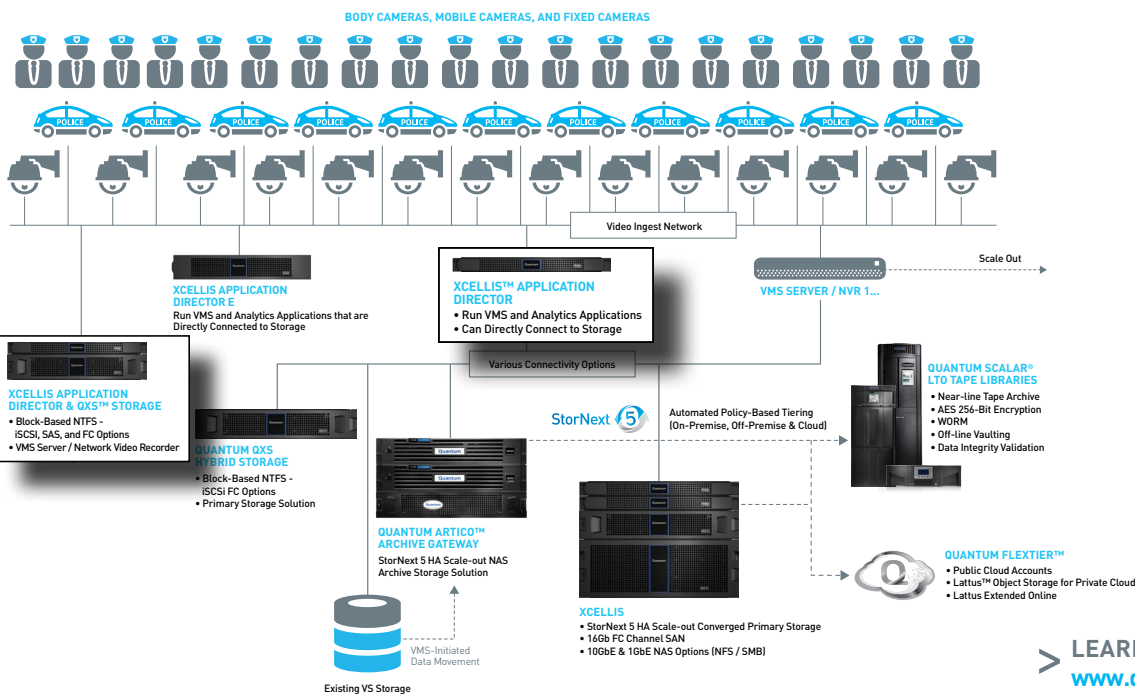
Applications connecting directly to storage eliminate the movement of data across the ingest network.

Cost-Effective

Ability to grow into lowest cost per day of retention.

Ability to Leverage a Multi-Tier Storage Approach

Seamlessly integrate with the StorNext file system and the multi-tier Xcellis platform workflow.



> LEARN MORE:
www.quantum.com/vs-ref-architecture

TECHNICAL SPECIFICATIONS

Feature	
Form Factor	1U Rack Server
Processor	Dual Intel Xeon E5-2620 v3 (six cores per CPU)
Processor Sockets	Dual
Dimensions	H: 4.28 cm (1.68 in.) W: 48.23 cm (18.98 in.) D: 70.05 cm (27.57 in.)
Cache	2.5MB per core, total of 15MB per processor
Chipset	Intel C610
Memory	Includes 32GB organized as eight 4GB RDIMMs Optional additional RDIMMs available in 4GB, 8GB, 16GB, and 32GB sizes Maximum memory total of 768GB All memory modules are 2133MT/s
I/O Slots	3 low-profile PCIe 3.0 slots
RAID Controllers	Built-in hardware RAID for internal drives
Internal Storage	Includes two 500GB 7.2k RPM SATA drives
Embedded NIC	Onboard Broadcom quad port 1Gb Ethernet
Optional Storage Networking	Dual 12Gb SAS HBA Dual 16Gb FC HBA
Optional Ethernet Networking	Quad 1Gb Ethernet Dual 10Gb Ethernet (SFP+) Dual 10GBase-T Ethernet
Power Supplies	Dual 750W redundant power supplies
AC Power	Heat dissipation: 2891 BTU/hr maximum Power supply voltage: 100–240 V AC, autoranging, 50/60 Hz
Systems Management	IPMI 2.0 compliant systems management Remote lights-out management iDRAC8 Enterprise
Rack Rails	Tool-less sliding rails Compatible with 4-post racks with square, unthreaded round holes, and threaded hole racks
Operating System	Windows Server 2012 Standard Edition
Warranty	3 year 24x7x4 on-site parts
StorNext SAN Client	Optional
Number of Cameras Supported	Supports up to 150 cameras at 1080p, 15 frames per second, 50% motion, H.264 compression (recording rate up to 1500Mbps)

QXS-3 SPECIFICATIONS FOR STORAGE VMS DAS OPTIONS*:

	2U-12 Drive	2U-24 Drive
Controller Ports	4 FC, iSCSI, or 4-8 SAS Ports	
Controller Connectivity	16Gb, 8Gb Fibre Channel 10Gb, 1Gb iSCSI 12Gb SAS	
Primary Capacity	96TB	48TB
Expanded Capacity	384TB	192TB
Read Performance	3.3GB/s Read	
Write Performance	2.4GB/s Write	
Supported Drive Sizes	3.5"	2.5"
Supported Drive Types	SSD, SAS 10K RPM, 15K RPM, and Nearline Drives	
Mix SSD & HDD	Yes	

* Also supports all other models of QXS storage

ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive, and data protection. The company's data management platform and tiered storage approach provide a unique combination of high performance, low-cost capacity, and easy access that enables security and law enforcement professionals to address the challenges created by more cameras, higher resolutions, and increasingly sophisticated analytics. Learn more at www.quantum.com/video-surveillance.

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