

# Xcellis

## Application Director



### > DATASHEET

## Application Server & Storage With the Ability to Expand Using a Multi-Tier Storage Approach

Security and law enforcement professionals are facing the challenges created by more cameras, higher resolutions, and increasingly complex analytics. Quantum's solutions for Video Surveillance offer an intelligent, scalable storage platform that provides a simple-to-manage foundation, which can grow under a single file system, designed specifically for video applications. Our intelligent solution leverages different tiers of storage, maintaining transparent and direct access to video content. A single, accessible file system eliminates the need for extra IT help, allowing you to spend less on storage so you can spend more on other surveillance tools in your workflow.

### AN ENTRY-LEVEL SOLUTION THAT CAN BE INCORPORATED INTO A TIERED ENVIRONMENT AS IT EXPANDS

Users in entry-level surveillance and security environments can leverage Xcellis™ Application Director and Quantum QXSTM disk for the Video Management System of choice.

Xcellis Application Director not only provides a server and storage hardware platform, but also seamlessly provides a foundation into a tiered environment as video surveillance workflows expand. There is no need for forklift upgrades when you are ready to grow your existing QXS infrastructure—instead, leverage Xcellis Application Director to build out your multi-tier storage infrastructure. Use the Director as either a standalone device or to run analytics and VMS applications, so end-users won't have to move data across the ingest network, instead operating on data that is in place. As your workflow expands, this can be part of the StorNext® infrastructure. With this approach, Xcellis Application Director will work as a bridge from your existing QXS disk to Xcellis Workflow Storage, allowing you to take advantage of a multi-tier storage approach that leverages low-cost high-capacity disk, file-based tape, or cloud as your security infrastructure grows.

## FEATURES & BENEFITS

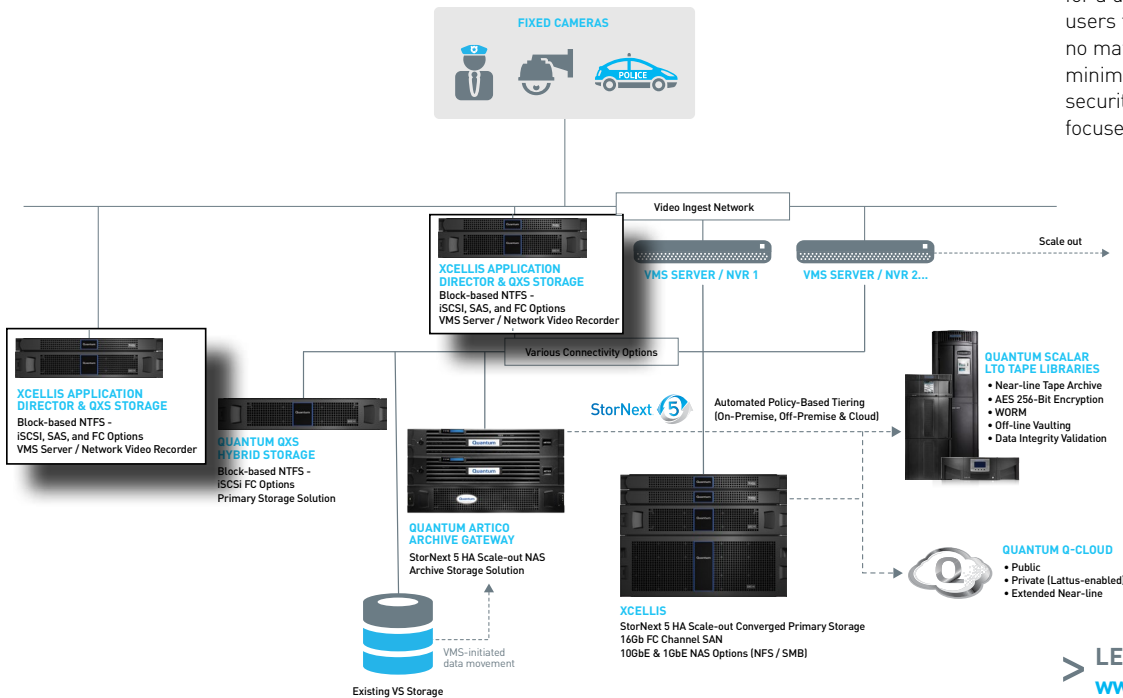
**Ideal for entry-level surveillance and security environments**  
Experience the cost efficiency of a large video infrastructure as you scale.

**Flexibility to work as your storage needs expand**  
Can be used as a standalone device or run analytics and/or VMS applications of choice.

**Ability to leverage a multi-tier storage approach**  
Adapt the same high performance, immediate access, and cost efficiency while your video infrastructure needs grow.

**Performance**  
Supports higher resolutions, increased camera & sensor counts, and real-time analytics, utilizing Quantum's heritage of managing video-based data.

**Access**  
Data accessibility is as easy as looking for a document on a C: drive, allowing users to get information when needed, no matter what tier of storage it is on—minimizing IT intervention, and keeping security & law enforcement professionals focused on safety, not managing data.



> **LEARN MORE:**  
[www.quantum.com/video-surveillance](http://www.quantum.com/video-surveillance)

# 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	On-board 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

To learn more about Quantum Xcellis,  
please visit [www.quantum.com/xcellis](http://www.quantum.com/xcellis)

**Quantum**