



# SuperLoader™ 3A

With LTO-3 A-Series Drive

The SuperLoader 3A incorporates Quantum's revolutionary technology developed specifically as a storage solution for professional video environments with file-based workflows. By leveraging standard video industry formats and proven IT industry standard tapes and drives, Quantum is expanding its line of digital storage solutions. The Quantum SuperLoader 3A accommodates 1 or 2 magazines, each holding 8 data cartridges for a total of 16 cartridges, all housed within a two rack-unit enclosure. Individual tape cartridges can be loaded or removed from the convenient front "mail" slot, or complete magazines can be removed for loading, unloading or shelf-storage in convenient 3.2TB modules.






The SuperLoader 3A includes a gigabit Ethernet interface and a built-in FTP server, so it can be network attached and visible to every workstation. The SuperLoader 3A storage system is also "MXF-aware" which enables direct access to metadata and allows subclip access to content by timecode. Each tape has its own file system and directory and can be freely moved between SuperLoaders, stand-alone drives and even video facilities. With this standard file system and MXF-aware file support, this ProVideo technology delivers a new level of transparent cross-platform and cross-application storage solution.

UP TO 6.4TB CAPACITY

UP TO 68MB/s TRANSFER RATE

2U RACKMOUNTABLE FORM FACTOR

## FEATURES AND BENEFITS

-  Made for Professional Video – Designed specifically for storing and sharing rich media assets
-  Complete "Pro Video" feature set including:
  - File system on each 400GB cartridge: Makes media application-independent, transportable, exchangeable
  - Network-attached media and drive sharing: Available to any workstation on the network over Gigabit Ethernet
  - MXF-aware technology: Restores sub-clips by timecode to save time and increase productivity
-  Content on LTO Ultrium 3 cartridges can be shared between different applications and devices making it an ideal exchange medium.
-  When combined with available asset management applications, creates a complete backup, archive and restore solution for video professionals
-  Provides Quantum's proven reliability and expert support for the highest security and reliability for video archiving

**PERFORMANCE**

<b>Sustained Transfer Rate</b>	
Native:	68MB/sec
<b>Formatted Capacity</b>	
Native:	400GB
<b>Interfaces:</b>	Gigabit Ethernet

**IP SERVICES**

FTP server – with MXF service extensions  
 FTP Java client with partial restore support  
 HTTP Server – Cross platform configuration, status, and FTP client SNMP monitoring (DLTSage™)

**MXF SERVICES**

**Metadata**  
 - File directory & basic MXF metadata available within <18 seconds of cartridge load  
 - Display basic metadata in FTP client and Windows Explorer™ properties  
 - Retrieve full MXF header

**Partial restore of essence:** (Generates new MXF file)  
**Supported Essence Types:** Mpeg 2 "I" Frame, Mpeg 4 proxy, D10 (IMX 30-40-50 Mb/s), DvCam DVCPPro 25/50, DVC Pro HD, 720P/50 and 720P/60

**Operational Patterns:** OP1A, OP-Atom  
**Descriptive Metadata Scheme:** 1 DMS1

**RELIABILITY**

<b>MCCBF:</b>	400,000
<b>Cartridge Capacity:</b>	8 or 16 cartridges

**COMPATIBILITY**

**Operating Systems:** Windows Desktops, Windows Server, UNIX, Linux, Mac OSX  
**Software/Hardware:** Go to [www.quantum.com](http://www.quantum.com) for the most up to date tested solutions

**PHYSICAL SPECIFICATIONS**

Width (in/cm)	16.7 inches (8.66cm)
Height (in/cm)	3.41 inches (42.42cm)
Length (in/cm)	27.5 inches (69.85cm)
Weight (lbs/kg)	31 lbs for typical configuration (14.06cm)

**MANAGEMENT REQUIREMENTS**

Integrated Web-based Management standard on all SuperLoader 3A products  
**Power Requirements:** 90 to 256 VAC  
**On-board Remote Management Tools:** 10/100baseT Ethernet  
**Available Operations:** Review System Status, Remote Diagnostics, Browse System Logs, Configuration, Firmware Upgrades, Drive Operations, Remote Management, Check Inventory, System Upgrades

**OPERATIONS**

**Cartridge Loader:** Single front loader slot (mail slot) and bulk cartridge loading in removeable active magazines.  
**Barcode Reader:** Standard

**ENVIRONMENTAL LIMITS**

**Temperature Range (Dry Bulb):**  
**Operating:** +10°C to +35°C  
**Non-Operating:** -40°C to +65°C

**Temperature Variation**  
**Operating:** 10°C per hour  
**Non-Operating:** 20°C per hour

**Humidity**  
**Operating:** 20% to 80% non-condensing  
**Non-Operating:** 10% to 90% non-condensing  
**Gradient:** 10% per hour without condensation

**Temperature Range (Wet Bulb):**  
**Operating:** 26°C max  
**Non-Operating:** 29°C max

**Altitude**  
**Operating:** -500 to 10,000 feet (-153 m to 3048 m)  
**Non-Operating:** -500 to 40,000 feet (-153 m to 12192 m)

**AGENCY APPROVALS**

**Safety:** U.S. (UL 1950) Canada (CSA 22.2 No. 950) Europe (EN60950/IEC 950) EMI/RFI ECC Directive 89336 CD BS6527 (UK) EN 55022 (EU) EN 55024 (EU) CFR 47, 1995 FCC Rules Part 15 Class A (MDOC) IEC-003 Canada V-3/97.04 VCCI Class A (Japan) AS/NZS 3548 Australia/New Zealand (C-tick Mark) CNS 13438 BSMI Class A Taiwan  
**Agency Markings:** CD, VCCI, UL, FCC, CSA

**TAPE SPECIFICATIONS**

**Cartridge Dimensions:** 4.1" x 4.1" x 1.0"  
**Archive Storage:** 30 years  
**Durability:** 5000 load/unload cycles  
**Recording Format:** LTO Ultrium 3

**Model Numbers and Descriptions**

EC-L2DAG-YF SuperLoader 3A with LTO-3 drives, 2 Magazines, with Barcode Reader, ERS Compliant

 For contact and product information, visit [quantum.com](http://quantum.com) or call **800-677-6268**

**Quantum**®

**Backup. Recovery. Archive. It's What We Do.**

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**About Quantum**

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.