



SuperLoader™ 3A

With SDLT 600A Internal 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 2.4TB 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 also includes Quantum's "MXF-aware" 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 4.8TB CAPACITY

UP TO 36MB/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 300GB 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 Quantum's 30 year archival life Super DLTape II cartridges can be shared between different applications and devices making it an ideal exchange medium.
-  Accommodates up to 16 Super DLTape II 300GB native cartridges for 4.8TB of storage in a compact 2U enclosure
-  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

Sustained Transfer Rate	
Native:	36MB/sec
Formatted Capacity	
Native:	300GB
Average File Access Time:	79 seconds
Interfaces:	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)
Essences Supported: Mpeg 2 "I" Frame, Mpeg 4 proxy, D10 (IMX 30-40-50 Mb/s), DvCam DVCPPro 25/50
Operational Patterns: OP1A, OP-Atom
Descriptive Metadata Scheme: 1 DMS1

TAPE FORMAT

Recording Format:	640 track serial serpentine
Recording Density:	233K bits per inch
Track Density:	1490 tracks/inch
Encoding Method:	Partial Response Maximum Likelihood (PRML)
Variable Partitions:	1 - 20

MANAGEABILITY

DLTSage Support:	Full
DLTSage monitoring:	SNMP
DLTSage iTalk Infrared Interface:	Windows, Windows CE

RELIABILITY

MCBF:	400,000
Cartridge Capacity:	8 or 16 cartridges

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

OPERATIONS

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

Model Numbers and Descriptions

EC-S2BAG-YF	SuperLoader 3A with SDLT 600A, 2 Magazines, with Barcode Reader, ERS Compliant
EC-SLBAG-YF	SuperLoader 3A with SDLT 600A, 1 Magazine, with Barcode Reader, ERS Compliant

 For contact and product information, visit 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:DSS) 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.