

Quantum SDLT 600A



FEATURES AND BENEFITS

- Made for Professional Video - Designed specifically for storing and sharing HD and SD assets
- Among the first data drives to be "MXF aware" for compatible content sharing and direct access to metadata and sub-clips
- Ease of Integration - With gigabit Ethernet and built-in FTP for network attached archiving, SDLT 600A systems are accessible to any computer anywhere in your facility
- Exceptional Performance - At 36MB/s data transfer rates, SDLT 600A drives deliver many times faster than real time data transfers, even in HD*
- Large Capacity - At 300GB native Super DLTtape® II cartridge capacity, you can store over 6 hours of HD or over 25 hours of SD on a single cartridge*
- Proven Reliability - 30 year archive life complements DLT's track record as one of the most reliable in the IT industry
- Excellent Value – Leveraging volume manufacturing makes the SDLT 600A system one of the most cost effective media archive solutions available

*based upon 100Mb/s HD or 25Mb/s SD

The Enhanced Data Tape System for Professional Video

Quantum's new SDLT 600A data tape system has been 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 providing a digital storage solution which delivers new levels of content accessibility with field proven reliability.

The SDLT 600A data tape storage system provides direct access to metadata and allows clip access to content by timecode. HD or SD content can be stored in MXF file format which is emerging as the most broadly accepted digital video storage format. Because many professional video solutions now support MXF file formats, the content on Super DLTtape® II cartridges can be shared between different applications and devices making it an ideal exchange medium.

All SDLT 600A drives include a gigabit Ethernet interface and a built-in FTP server, so they can be network attached and visible to every workstation using anything from Windows Explorer to standard browsers. They can be used in a stand-alone configuration or integrated into a variety of robotic tape

libraries. Each tape has its own file system and directory and can be freely moved between libraries, stand-alone drives and even video facilities. With this standard file system and MXF aware file support, SDLT 600A delivers a new level of transparent cross-platform and cross-application storage solution.

Worldwide Service and Support

Through Quantum's Product Warranty Support, a Rapid Exchange Service is available. Under the Rapid Exchange program, Quantum will ship a replacement product to the customer's site before the defective product is returned to Quantum. The replacement product will be shipped within 24 hours (Monday - Friday, 9 a.m. to 5 p.m., local time, excluding Quantum or country holidays) after the request. The Rapid Exchange Service also entitles the customer to hardware telephone support and access to an eSupport Web application.

For more information please visit us at www.quantum.com



Quantum SDLT 600A

About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders and libraries and is one of the pioneers in the disk-based backup market, providing solutions that emulate a tape library but are optimized for backup and recovery.

SDLT 600A SPECIFICATIONS

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, D10 Stream (IMX™), DVCPPro™ 25/50, DVCam™, DV dif
 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

MTBF	250,000 hours @ 100% duty cycle
Media Durability	1,000,000 passes
Uncorrected Error Rate	1 x 10 ¹⁷ bits read
Undetected Error Rate	1 x 10 ²⁷ bits read
Warranty	1 year

Physical Specifications

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	5.75/146.05	6.88/174.75	16.75/425.5
Height (in/mm)	3.25/82.55	6.48/164.46	3.43/87.1
Length (in/mm)	8.48/215.39	12.6/320.04	22.38/568.5
Weight (lbs/kg)	5.25/2.38	13.81/6.27	54/24.5

Environmental Limits

Operating	
Temperature	50° to 104° F (10° to 40° C)
Humidity	20% to 80% (non-condensing)
Altitude	-500ft. to 30,000 ft. (-152.4 m to 9,144 m)
Non-Operating	
Temperature*	-40° to 151° F (-40° to 66° C)
Humidity	10% to 95% (non-condensing)

* Excluding media

Power

Voltage	+5V, +12V
Power Consumption	40 W typical streaming/writing

Media Specifications

Super DLTtape® II media	300 GB native capacity
Tape Width	0.498" (12.65 mm)
Tape Length	2,066' (614m)
Cartridge Dimensions	4.1" x 4.1" x 1.0" (104.1 mm x 104.1 mm x 25.4 mm)

Media Archive Storage

More than 30 years with less than 15% loss in demagnetization at 20° C and 40% non-condensing humidity

Media Durability

Average 1,000,000 head passes in a typical office/computing environment

Media Warranty

Limited lifetime warranty, approved for use in all SDLT 600A drives

Quantum



For more information,
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