



SDLT 600A

The Data Tape Drive
Enhanced for Professional Video

Quantum's SDLT 600A was 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 provides a digital storage solution that 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 (Material Exchange 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.

The SDLT 600A drive includes a gigabit Ethernet interface and a built-in FTP server, so it can be network-attached and visible to every workstation using standard browsers such as Windows Explorer® or Safari®. The SDLT 600A can be used in a standalone 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 and standalone drive configurations as well as pro video and broadcast facilities. With this standard file system and MXF-aware file support, the SDLT 600A delivers a new level of transparent cross-platform and cross-application storage solution.








UP TO 300GB NATIVE CAPACITY,
36MB/SEC TRANSFER RATE

TAPE-BASED FILE SYSTEM

NETWORK-ATTACHED

MXF-AWARE

FEATURES AND BENEFITS

-  Made for Professional Video – Designed specifically for storing and sharing HD and SD assets
-  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
-  Among the first data drives to be “MXF-aware” for compatible content sharing and direct access to metadata and sub-clips
-  Exceptional performance – At 36MB/s transfer rate, SDLT 600A drives deliver 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 cartridge¹
-  Proven Reliability – 30 year archive life
-  Excellent Value – Leveraging volume manufacturing makes the SDLT 600A a cost effective media archive solution

¹ Based upon 100Mb/sec HD or 25Mb/sec SD

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity Native (GB)	Drive Throughput Native (MB/sec)	Data Buffer (MB)	File Access Time (sec)
SDLT 600A	300	36	128	79

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, DVCPRO 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

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

MANAGEABILITY

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

RELIABILITY

MTBF: 175,200 hours @ 100% duty cycle
Media Durability: 1,000,000 passes
Uncorrected Error Rate: 1 x 10¹⁷ bits read
Undetected Error Rate: 1 x 10²⁷ bits read
Warranty: 1 year

ENVIRONMENTAL

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

MEDIA SPECIFICATIONS

SDLT® 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

Model Numbers and Descriptions

TC-S34BC-EY	SDLT 600A, Tabletop Drive, GbitE, 5.25" Black – Includes power cord (term, SVT,125V,75in), Cat-6 Shielded Ethernet cable, Registration Warranty Card, Quick Start Card, Product Manual CD, Media Flyer, SDLT II data cartridge, SDLT Cleaning cartridge
TC-S34BC-YF	SDLT 600A, Tabletop Drive GbitE, 5.25" Opal – Includes power cord (term, SVT,125V,75in), Cat-6 Shielded Ethernet cable, Registration Warranty Card, Quick Start Card, Product Manual CD, Media Flyer, SDLT II data cartridge, SDLT Cleaning cartridge
BHKCC-EY	SDLT 600A, Single 2U Rackmount Drives, Gbit/E Black, 1 Drive, Black – Includes power cord (term, SVT, 125V, 75in), Cat-6 Shielded Ethernet Cable, Kit Rails and Assy mounting screws, Mounting Strap, Installation Instructions, 1U and 2U Racks, Registration Warranty Card, Quick Start Card, Product Manual CD, Media Flyer, SDLT II data cartridge, SDLT Cleaning cartridge
BHLCC-EY	SDLT 600A, Dual 2U Rackmount Drives, Gbit/E Black, 2 Drive, Black – Includes power cord (term, SVT,125V,75in), Cat-6 Shielded Ethernet Cable, Kit Rails and Assy mounting screws, Mounting Strap, Installation Instructions, 1U and 2U Racks, Registration Warranty Card, Quick Start Card, Product Manual CD, Media Flyer, SDLT II data cartridge, SDLT Cleaning cartridge
TC-S34AC-BR	SDLT 600A, Internal Drive, Gbit/, 5.25" Black - Includes Cat-6 Shielded Ethernet cable, Registration Warranty Card, Quick Start Card, Product Manual CD, Media Flyer, SDLT II data cartridge, SDLT Cleaning cartridge

 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.