Spectra Tape Libraries

Features, Capacity and Performance Specifications

Feature	Benefits
Integrated encryption and key management	Highest level of security with AES-256 encryption; Key management for LTO-5, LTO-6, LTO-7, LTO-8 and LTO-9 based encryption; BlueScale Encryption Key Management works with all major media types.
Industry-leading storage density	TeraPack design results in a smaller library footprint, allowing you to store more data in a smaller space. TeraPack design also improves media handling by reducing the time spent loading tapes into a library by 90%.
Proactive diagnostics and monitoring	Library self-monitoring features notify you and SpectraGuard® support by email to help you proactively manage your library and to minimize downtime.
Local and remote management	Intuitive, color touch-screen interface or a Remote Library Controller (RLC) that displays through any Web browser provide for ease of use and simplified management.
Assisted Self Maintenance (ASM)	Customers can easily replace certain components and keep them onsite to ensure maximum uptime.
Media Lifecycle Management	Integrated, proactive media management tool records and reports over 40 data points every time a tape is loaded, keeping your tapes and data protected.
Drive Lifecycle Management	Monitors and reports drive usage and performs verification tests to help prevent drive failures.
Library Lifecycle Management	Manage the health of your library with utilization metrics that track the expected useful life of robotics, filters, and other critical library hardware components.
Energy efficient and power monitoring	Spectra tape libraries use significantly less power than competing disk and tape products. BlueScale EnergyAudit® software also monitors exactly how much power is being consumed.
TranScale	TranScale® allows you to seamlessly grow your tape library while protecting your investment by migrating critical components and expanding capacity without changing your backup/archive setup.
Global Spare	Pre-configured failover drive option guarantees continuous operations.
Auto Drive Clean	Library automatically cleans your drives based upon needs and usage.
BlueScale Vision	Internal web cameras aid with visual diagnosis of problems.
Integrated partitioning	Shared Library Services (SLS) support multiple partitions within a single library. With SLS, a single Spectra library can appear as multiple libraries to the outside backup environment.
Data Integrity Verification	Ensure that your new media is ready to accept data with PreScan. Verify the integrity of the data stored on your LTO cartridges with QuickScan and FullScan.

Tape Solutions Overview

Library	Max Media/Slot Count[1]	Max Native Capacity[1]	Max Compressed Capacity[1]	Max Drives[2]	Max Native Throughput (TB/hr)	Max Compressed Throughput (TB/hr)	Max SLS Partitions	Tape Drive Supported	Dual Robotics
Spectra Stack	560	10.8PB	25.2PB	42 HH (LTO) 21 FH (LTO)	34.2	68	20	LTO	N/A
T950	10,020 (LTO) (8-frame)	180.3PB	450.9PB	120	172.8	388.8	16	LTO, IBM® TS11XX	N/A
	7,614 (TS1170) (8-frame)	380.7PB	1.1EB	120	172.8	388.8	16		
TFinity ExaScale	56,400 (LTO) (45-frame)	1EB	2.5EB	144	207.4	466.6	16	LTO, IBM® TS11XX Oracle® T1000	Yes
	42,930 (TS1170) (45-frame)	2.2EB	6.4EB	144	207.4	466.6	16		

[1]Capacities and throughputs are based on **LTO-9** and **IBM's TS1170 tape technology.**   Compression ratio for LTO is 2.5:1   Compression ratio for TS1170 is 3:1   [2]Drive types are full height unless noted.

Spectra Certified Media

Spectra Certified Tape Media with CarbideClean is ready to use when you receive it: Each tape is free of surface debris left from the manufacturing process, pre-labeled, pre-loaded in a TeraPack®, and covered by Spectra's Lifetime Media Guarantee. Certified Media provides a wide range of media options: Bulk or individual cartridges, cleaning cartridges and custom and standard barcode labels. Only Spectra Certified Media supports Media Lifecycle Management (MLM), a unique management tool for lifetime health tracking and notification of at-risk media. MLM provides the unparalleled ability to reduce media-related issues and ensures that your data will be accessible when you need it. Spectra can also provide IBM® TS11XX technology, the industry's highest speed and largest capacity drives and media in its T950v, T950and TFinity ExaScale libraries.

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