

# SPECTRA Tape Libraries



Library	Max. Media/Slot Count <sup>1</sup>	Max. Native Capacity <sup>1</sup>	Max. Compressed Capacity <sup>1</sup>	Max. Drives <sup>2</sup>	Max. Throughput (TB/hr)	Max. Throughput 2.5:1 Compression <sup>1</sup>	Max. SLS Partitions	Tape Drives Supported	Dual Robotics	Dimensions H x W x D (inches) Rack Units
T380	380 (LTO)	6.8 PB	17.1 PB	12	17.3	38.88	12*	LTO,	N/A	49 x 17.5 x 41 (28U)
	261 (TS1160)	5.2 PB	13.05 PB	12	17.3	43.2	12*	IBM® TS11XX	N/A	
T680	670	12 PB	30.1 PB	12	17.28	38.88	12*	LTO	N/A	80.5 x 24 x 39.4 (42U) (Rack Enclosure Dimensions)
Spectra Stack	560	10.8 PB	25.2 PB	42 Half Height (LTO) 21 Full Height (LTO)	30.24	68.04	20	LTO	N/A	78.7 x 19x 48 (42U) (Standard 19-inch rack)
T950 T950v	10,020 (LTO) (8-frame)	180.3 PB	450.9 PB	120	172.8	388.8	16*	LTO,	N/A	79.12-82 x 29 x 39.4 (45U) (Individual frame)
	7,614 (TS1160) (8-frame)	152.2 PB	380.7 PB	120	172.8	432	16*	IBM® TS11XX	N/A	
TFinity ExaScale	56,400 (LTO) (45-frame)	1.01 EB	2.53 EB	144	207.36	466.56	16*	LTO,	Yes	79.12-82 x 29 x 43.25 (45U) (Individual Frame)
	42,930 (TS1160) (45-frame)	858.6 PB	2.14 EB	144	207.36	518.4	16*	IBM® TS11XX, Oracle® T10000	Yes	

<sup>1</sup>Capacities and throughputs are based on LTO-9 and IBM's TS1160 tape technology. Compression ratios are 2.5:1. <sup>2</sup> Drive types are full height unless noted. \*RIM required.

## 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 T380, T950 and TFinity ExaScale libraries.



LTO-9 TeraPack IBM® TS11XX TeraPack

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Regardless of size, most organizations face the same data management challenge – efficiently and cost-effectively protecting ever-growing data. Whether you are managing gigabytes or several petabytes of data, finding the optimal backup and archive solution is critical to staying nimble and responsive to your changing business requirements. No matter how much data your organization manages, it is the core of your success.

Spectra tape libraries offer exclusive efficiencies for small to large organizations all the way to the most data-dependent enterprises. Every Spectra library **lowers costs** – through significantly reduced management time, lower power and footprint usage, and on-demand scalability; **reduces risk** – through very high reliability, decreased downtime, and pain-free encryption; and **saves time** – through extreme ease of use and management by leveraging our BlueScale® software interface.

Feature	Benefits
Integrated encryption and key management	Highest level of security with AES-256 encryption; Key management for LTO-4, 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 and mixed media	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.