SPECTRA

T950v

Enterprise storage at a reduced price point

Enterprise tape storage is now more affordable with Spectra's lower-cost version of its award-winning T950 Tape Library. This full-featured library model has all of the capabilities of the original but with a few bells and whistles removed to achieve significant cost savings. The T950v retains the ability to use LTO-7, LTO-7 Type M, LTO-8 and LTO-9 media, or the extra high performance of IBM® TS1160 technology. The T950v scales out to a maximum of 8 frames like the T950.

Maximum Density, Performance & Availability

The T950v achieves the same elegant, straight forward solution to managing large quantities of tapes as the T950: Spectra's patented TeraPack® cases. Each holding up to ten LTO or nine IBM® TS11XX tape cartridges. The highly dense TeraPack architecture reduces floor space requirements which allows the T950v to reduce media handling time by up to 90% compared to competitive libraries.

LTO TeraPack   T950v Interior View   IBM® TS11XX TeraPack

T950v also supports IBM® TS1160 enterprise tape technology

The IBM® TS1160 Technology offers the most reliable tape technology ever developed. Designed to provide enterprise-class reliability with 24 x 7 usage, the IBM® TS1160 Technology tape drive provides 10 times more data integrity than an LTO tape drive.

In addition to robust reliability and data integrity, the IBM® TS1160 Technology offers the largest capacity per tape and the fastest data transfer rate of any tape technology available. This translates into fewer tapes needed to store the same amount of data; less labor and time to manage the tape inventory; and reduced library, application and offsite slot costs.

BlueScale: Simple, yet powerful library management

POWERED BY
BlueScale
INTELLIGENCE

BlueScale® is the software management interface used in the T950v library. BlueScale is accessed through each library's onboard LCD color touchscreen (shown above) and also through remote web access. BlueScale is an easy-to-navigate, browser-based library management tool that works easily and flexibly with your data.
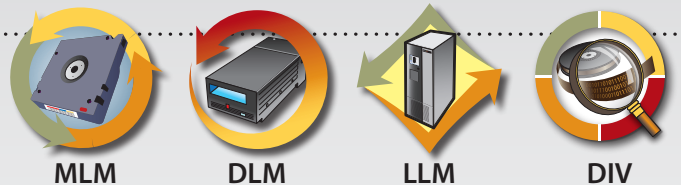
- Manage from anywhere using a secure web browser
- Monitor the library's interior with a web-based camera
- Monitor power usage with EnergyAudit®
- Secure data through integrated encryption with key management
- Support multiple partitions in a single library with Shared Library Services (SLS)

T950v
Cost-Effective Enterprise Features

Complete Lifecycle Management

For highly reliable tape archive and backup, the T950v, through its BlueScale® management interface, tracks and reports the expected lifetime utilization thresholds for tape media, drives and library components. With advance notification, you can address any potential concerns before they become an operational issue.

MLM   **DLM**   **LLM**   **DIV**

To ensure the viability of your data, **Media Lifecycle Management** (MLM) tracks and reports on over 40 health and security related statistics for Spectra Certified Media. Detailed reporting can warn you to copy and move your data onto new media when necessary. Like MLM, **Drive Lifecycle Management** (DLM) extends the same proactive approach to drives by integrating tape drive analysis and reporting within the library. Using easy-to-manage, color-coded icons, you can quickly identify the health status of a drive. Managing the health of your library's critical components is made easy with **Library Lifecycle Management** (LLM). By delivering utilization metrics relative to the expected useful life of library robotics, filters and other critical components, you are able to service your library before issues occur.

Data Integrity Verification (DIV) is built into BlueScale's management suite that allows you to proactively check each tape before and after data is written. **PreScan** ensures that tapes are usable and can accept data. **QuickScan** scans a tape uni-directionally by reading the length of one track of the tape to provide a rapid indicator of integrity of data written. **FullScan** checks an entire tape to ensure that all sectors can be read. The library stores all of the **DIV** information into a database. Users can set triggers to check the health of tapes over an interval of time to ensure that the data is valid.

T950v Capacity and Throughput

CAPACITY				
Media	Base frame max slots[2]	Base frame max capacity[2]	8 frame max slots	8 frame max capacity
IBM® TS1160 Technology	738	14.7 PB 36.9 PB*	7,614	152.2 PB 380.7 PB**
LTO-9	920	16.5 PB 41.4 PB*	10,020	180.3 PB 450.9 PB**
LTO-8	920	11 PB 27.6 PB*	10,020	120 PB 300.6 PB**

[2] With four drives installed.   *Capacities calculated using 2.5:1 compression.

THROUGHPUT				
Drive	Base frame max drives	Base frame max throughput	8 frame max drives	8 frame max throughput
IBM® TS1160 Technology	24	34.5 TB/hr 77.7 TB/hr**	120	172.8 TB/hr 388.8 TB/hr**
LTO-9 FH	24	34.5 TB/hr 77.7 TB/hr**	120	172.8 TB/hr 388.8 TB/hr**
LTO-8	24	31 TB/hr 64.8 TB/hr**	120	155.6 TB/hr 324 TB/hr**

** Throughput rate calculated using maximum compression achievable

SpectraGuard Support

Support for Spectra T950v ranges from our standard worldwide support to more advanced alternatives, including next day, same day, four-hour onsite service or our exclusive Assisted Self-Maintenance option.

Our expertise comes from over 40 years of solving real problems with hands-on lab work and onsite technical support. Our support staff is cross-trained over the entire storage environment – not just hardware – so we can assist you with all aspects of a problem. From open to close, we are committed to resolving any issue. And Spectra's PriceLock guarantee means the list price of support will not go up more than the cost of inflation year-over-year.

SPECTRAGUARD®
Worldwide Support
SPECTRAGUARD SERVICE PriceLock

About Spectra Logic Corporation

Spectra Logic develops a full range of Attack Hardened™ data management and data storage solutions for a multi-cloud world. Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once. To learn more, visit www.spectralogic.com.

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