



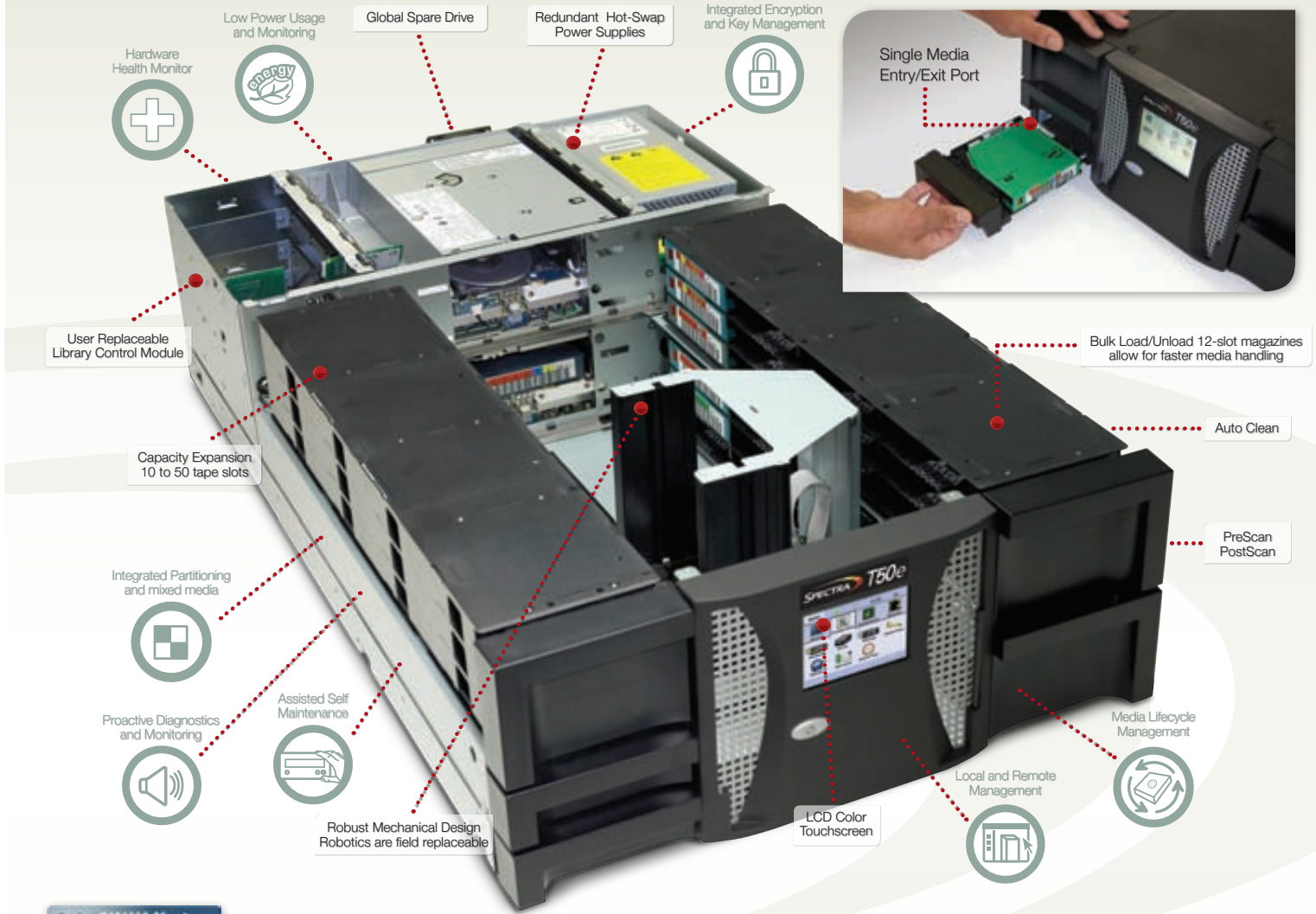
**Corporate Headquarters**  
46600 Landing Parkway  
Fremont, CA 94538  
tel 510.933.8300  
fax 408.321.0293  
www.sgi.com

**Global Sales and Support**  
North America +1 800.800.7441  
Latin America +55 11.5185.2860  
Europe +44 118.912.7500  
Asia Pacific +61 2.9448.1463

By combining field-proven reliability with cutting-edge storage innovation, the Spectra® T50e gives you enterprise capabilities in a compact, 4U rackmount or desktop library. Built upon five generations of Spectra Logic hardware knowledge and 11 generations of BlueScale® software, the Spectra T50e is simply the most reliable and feature-rich solution available in the small library market today. The T50e offers you advanced LTO technology, powerful library management, increased security through our integrated BlueScale® Encryption, plus a range of support options to suit your needs. With more innovative features than any other library in its class, the T50e easily stands out in front.

# Robust and Reliable

More features and functionality than any competing tape library.



## Simplified Management

Available through the library's on-board LCD color touch screen and remote web access, BlueScale is a library interface solution built into Spectra Logic products that enables our libraries to work simply, flexibly, and safely with your data. For over 15 years, BlueScale has been continuously updated and enhanced with features ranging from self-monitoring to encryption and media management, giving you a tightly integrated structure that supports new technologies and requirements to better safeguard your data.

## Complete Lifecycle Management



For highly reliable tape archive and backup, Spectra T-Series tracks and reports the expected lifetime utilization thresholds for tape media, drives and library components. With advance notification, you can address any potential concerns about the critical components of your entire library before they become an operational issue.

To ensure the viability of your data, Media Lifecycle Management (MLM) tracks and reports on health and security related statistics for Spectra Certified Media. Detailed reporting mitigates media problems and restore issues, allowing you to copy and move your data onto new media before degraded media affects your data.

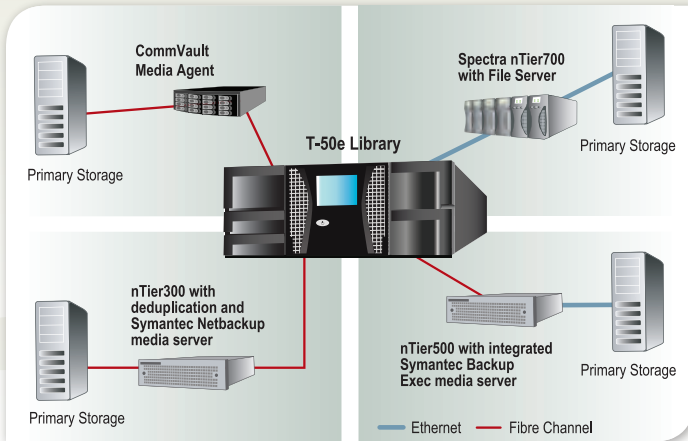
For further integrity, MLM PreScan tape verification ensures that newly imported tapes are in good health and ready to use. After writing, MLM PostScan tape verification assures that your data is available on the tape by confirming there are no media errors.

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. DLM also offers easy-to-use tape drive diagnostics to test and verify drive health and operation.

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.

## Integrates with Your Environment

The T50e is compatible with most channel interfaces and networking protocols, ensuring the best possible data transfer performance. It is also compatible with all industry standard operating systems including Windows, Linux, UNIX and Mac OS; and seamlessly integrates with the major backup applications including Backup Exec, Networker, CommVault, NetBackup and NetVault.



The T50e is shown above with various sample network configurations and allows for up to four partitions to help manage different operations, which can include backup, archive, and encryption.

The T50e can be shared with multiple servers and applications, allowing sites to partition the library into a maximum of four virtual tape libraries. Spectra also offers disk-based options to complement the T50e, easily adding deduplication, VTL and D2D2T to your backup environment. The Spectra nTier Backup and Archive Appliance is designed specifically for backup and archival data, providing an integrated, flexible, and powerful platform to meet all of your storage needs. By using both the Spectra T50e and nTier, you simplify your backup and archive solution. The common BlueScale interface manages your tiered tape and disk environment, consolidating your service and support into a single contract.

## The Only Library that Takes Care of Itself

Eliminate downtime by preventing unexpected failures with the T50e's AutoSupport feature. The T50e self-monitors its drives, power supplies, controller and robotics, alerting you when they need attention. It also "phones home" by emailing a notification to SpectraGuard Support and opening a ticket automatically. You can be on the way to a resolution—without making a phone call. When you're ready to call SpectraGuard, your agent has the trace logs, status information and library configuration details to help you quickly resolve the issue before it can have an operational impact.

## The Only Integrated Encryption and Key Management Solution Available



The Spectra T50e offers encryption and key management as seamless, integrated standard features. Spectra's BlueScale Encryption utilizes AES-256 bit encryption through the library for LTO-4 and LTO-5 drives. It lets you seamlessly and affordably add encryption to your backup strategy, with no changes to backup policies and no additional hardware or software.



T50e Remote Access

SpectraGuard Support

The T50e uses proactive monitoring tools to minimize downtime, alerting you and SpectraGuard Support of potential issues that could disrupt operations.

## Assisted Self-Maintenance (ASM)



When a component does need replacement, Spectra give you the option to do it yourself without onsite support. ASM is an industry-first support option designed for environments where normal support services are available but not always feasible for specific customers (e.g. high-security facilities, mobile sites such as ships). ASM parts are stocked at your site, giving you the ability to make immediate repairs and eliminate any waiting periods.

Our Assisted Self Maintenance feature enables you to replace select parts yourself.

## SpectraGuard Support

Support for Spectra T-Series Mid-Range libraries ranges from our standard worldwide next business day replacement 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 30 years of solving real problems with hands-on lab work and on-site 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.



## Product Specifications

### Physical Characteristics

- Supports up to two full-height or four half height LTO drives
- Tabletop unit dimensions: 7.3" H x 17.5" W x 31.6" D  
18.5 cm H x 44.4cm W x 80.4 cm D
- Rack-mount dimensions (4U): 6.9" H x 17.5" W x 31.6" D  
17.4cm H x 44.4cm W x 80.4cm D
- Weight (4 Drives): 57.5 lbs / 26.1 kg

### Power Requirements

- 100–127 VAC, 50/60 Hz; 4 amps per cord
- 200–240 VAC, 50/60 Hz; 2 amps per cord

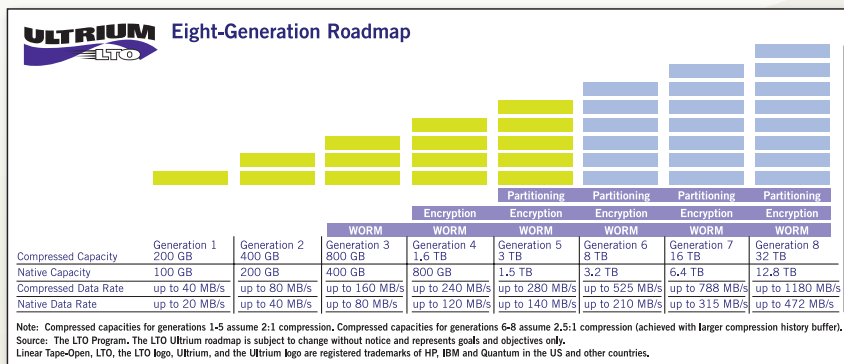
### Interface Options:

- SAS - 6 GB/s (LTO-5)
- Fibre Channel - 4 GB/s and 8GB/s

### Reliability Statistics

- Mean Cycles Between Failures (MCCBF): Over 1 million
- Mean Time Between Failures (MTBF): 100,000 power-on hours
- Mean Time to Repair (MTTR): <20 minutes for hot swap components and non-hot swap components

## LTO Technology



Capacity and Throughput				
Media	Max Drives	Max Cartridges	Max Capacity*	Max Throughput*
LTO-5	4	50	150 TB	4.0 TB/hr
LTO-4	4	50	80 TB	3.4 TB/hr

\* Values calculated using 2:1 data compression

LTO (Linear Tape-Open) Ultrium Technology is optimized for high capacity and performance with exceptional reliability in either a stand-alone or an automated environment. It uses a single reel cartridge to maximize capacity. Ideally suited for backup, restore, and archive applications, the LTO tape format establishes a new benchmark for large volume backup and archive. LTO technology will meet the needs of the enterprise through a single-server user with a roadmap and migration path that extends well into the next decade.



**Corporate Headquarters**  
 46600 Landing Parkway  
 Fremont, CA 94538  
 tel 510.933.8300  
 fax 408.321.0293  
 www.sgi.com

**Global Sales and Support**  
 North America +1 800.800.7441  
 Latin America +55 11.5185.2860  
 Europe +44 118.912.7500  
 Asia Pacific +61 2.9448.1463