

PetaSite S-series™

Consolidated Storage Management System



AUTOMATED LTO (Linear Tape Open) Ultrium™ LIBRARY FOR YOUR NEAR-LINE, ARCHIVE and BACKUP NEEDS

- Ideal for medium to enterprise wide data storage requirements - modular architecture designed for long term data protection in demanding production environments
- Optimize capital investment – enterprise class performance and capacity - expand from 60 slots to 2,988 and access up to 800 cartridges per hour-Sony's most scalable and reliable storage library
- SAN ready and certified for use with Sony Media Backbone™ solutions and by leading rich media and IT Independent Software Vendor applications
- Fully redundant N+1 power and drive interface controllers - hot swappable tape drives and power supplies
- Advanced PetaSite Controller Unit (PCU) - enables remote system administration, automatic health reporting, direct attached tape drive interface, Ethernet API and multiple logical library partitions
- Supported by Sony's Professional Services (SPS) organization – extended warranty services ranging from convenient web-based parts ordering, 24 hr. Helpline, advanced swap exchange to customized mission critical 24 x 365 monitoring and onsite programs

Business Challenge:

Enterprises rely on their mission critical data more than ever. As a broadcaster, news-maker or post production facility, audiovisual content is your ultimate asset. IT departments are looking beyond business continuity, regulatory compliance, consolidation, and data security. Digitization, protection and management of multimedia place a premium on scalable, reliable high capacity archiving solutions.



PetaSite Solutions for the PetaByte Generation - Protect Your Assets

Business Solution:

Sony understands audio/video workflows and data lifecycle management, which is why we developed the ultimate Consolidated Storage Management system- PetaSite S-series.

Advancing the boundaries of automated tape solutions, the PetaSite S-series is a flexible family of libraries with proven reliability that can easily expand as your storage requirements grow.

Based on Sony's experience manufacturing tape robotics and LTO (Linear Tape Open) Ultrium™ media technology the PetaSite S-series is specifically designed to address the growing high-capacity and high-speed demands of data intensive storage area networks and enterprise wide environments. The Sony PetaSite S-series provides a real solution for your business now and in the future.

PetaSite S-series provides scalable, reliable, high capacity storage solutions for...

- Business continuance (disaster recovery)
- Broadcast acquisition, automation, and news near-line storage
- Data migration & consolidation
- Digital video archives & media asset management
- Email & electronic document management
- IP Security & surveillance
- Medical records & PACS applications
- NLE (non-linear editing) near line & deep archive
- Product engineering & testing
- Public records & statistical information
- Regulatory compliance
- Satellite imaging & mapping
- Scientific research
- Seismic research & analysis
- Sony XDCAM®, HDXchange™ & SONAPST™ content
- University research, analysis & campus wide backups
- Web hosting...and more...

Specifications

Sony Model Numbers	CSM-60B	CSM-100B	CSM-200B	CSM-200D	CSM-200C
Description	Base System Console	Base System Console	Base System Console	Drive Expansion Console	Cartridge Expansion Console
General Specifications & Performance					
Drives & Cartridge Slots					
0-4 Drives (number of slots)	60 slots (up to 4 drives)	108 slots (up to 4 drives)	216 slots (up to 4 drives)	348 slots (up to 4 drives)	396 slots
5-8 Drives (number of slots)	60 slots (5-8 drives)	108 slots (5-8 drives)	204 slots (5-8 drives)	336 slots (5-8 drives)	396 slots
9-12 Drives (number of slots)	60 slots (9-12 drives)	108 slots (9-12 drives)	192 slots (9-12 drives)	324 slots (9-12 drives)	396 slots
System Start Capacity (uncompressed)	90TB	162TB	324TB* (with 4 drives)	522TB (with 4 drives)	594TB
			*Attach any combination up to seven (7) CSM-200D or CSM-200C expansion consoles without need for license key. Scalable up to 2,988 slots and 96 tape drives.		
Cartridge Exchange Time	400 Exchanges per hour (Base plus one expansion console)		Average 360 Exchanges per hour fully expanded		
Cartridge Access Time	5 sec (average)				
Bar Code Reader	Barcode Reader standard (code 39)				
IN/OUT Magazine Port	12 cartridge capacity (6 slots per magazine)				
Weight (Library only)	350 kg/772 lbs		350 kg/772 lbs	250 kg/551 lbs	250 kg/551 lbs
Dimensions H x W x D mm/inches	1,980mm x 680mm x 950mm/77.95" x 26.77" x 37.40"				
Drive Technology	Refer to individual IBM LTO drive specification datasheet				
Reliability					
MTBF (Mean Time Before Failure)	300,000 hours				
MCFB (Mean Cycles Before Failure)	2,000,000 cycles				
MTTR (Mean Time To Repair)	Less than 30 minutes				
Environmental Condition					
Operating Temperature	10°C to 30°C				
Storing Temperature	-20°C to 60°C				
Operating Humidity	25% to 80% (without condensation)				
Power Requirements					
Power Voltage, Frequency	AC 100V - 240V, 50/60 Hz				
Power Consumption	650 VA (2 drives)				
Optional Accessories					

Model CSMADRLTO5F (LTO-5 Drive Unit) • Model CSMADRLTO4F (LTO-4 Drive Unit) • Model CSMADRLTO3F (LTO-3 Drive Unit) • Model CSMAPSL (Redundant Power Unit-Library)
 • Model CSMAPSD (redundant Power Unit-Drive) • Model CSMADIF (Redundant Dive Interface Control Unit T+B) • Model CSMU100B (CSM-60B to CSM-100B Upgrade License Key)
 • Model CSMU200B (CSM-100B to CSM-200B Upgrade License Key) • Model CSM-200D (Drive Expansion Console) • Model CSM-200C (Cartridge Expansion Console)

sony.com/DataStorage