DLT

A powerful solution for mission-critical backup and mulitmedia applications

12MB/s speed and 80GB capacity

DLTtape™ uses MP (metal particle) technology in a space-saving single-reel cartridge, offering high capacity of 40GB native or 80GB compressed and high data transfer speed of 12MB/s, compressed (DLT IV cartridge in DLT8000). To support this performance, DLT employs adaptive cache buffering, multiple heads and longitudinal serpentine tracks.

Outstanding data integrity

One reason DLTtape is recommended for mission-critical data backup applications is its ultra-low bit error rate of $1x10^{-17}$. SonyÕs precision tape manufacturing technology maximizes DLT performance, with advanced defect detection to assure high quality and an optimum head-to-tape interface.

Proven archival reliability

Strict quality control and a comprehensive testing program enhance Sony DLTtape mediaÕs long-term archival reliability.

Extraordinary durability

The latest binder system helps achieve 1,000,000-pass durability for longer lasting tape as well as reduced wear on the heads. Also contributing to extended media life are the DLT driveÕs precision tape tension servo control and gentle tape path in which only the back of the tape touches any guide rollers.

Assured format compatibility

All DLT systems offer backward compatibility, so you can migrate to a higher capacity system with confidence.

Compatibility

DLT drive	2000XT	2500	2500XT	2700	2700XT
DLT tape III	●	●	●	●	●
DLT tape IIIXT	●	—	●	—	●
DLT tape IV	—	—	—	—	—
DLT Cleaning tape III	●	●	●	●	●

DLT drive	4000	4500	4700	7000	8000
DLT tape III	●	●	●	●	●
DLT tape IIIXT	●	●	●	●	●
DLT tape IV	●	●	●	●	●
DLT Cleaning tape III	●	●	●	●	●

Advanced cartridge mechanism

Deployed in U.S. government agencies and the financial industry, DLT drives are widely used for backup of network server and workstation data. Large capacity, rapid transfer rate, and quick file access also make this format highly suited to multimedia applications such as DVD mastering.

MODEL NAME	DLT TapeIII	DLT TapeIIIXT
GENERAL CHARACTERISTICS		
Magnetic Material	Metal Particle (MP)	
Recording Capacity (Compressed*)	10.0GB (20.0GB*)	15.0GB (30.0GB*)
MAGNETIC CHARACTERISTICS		
Coercive Force (kA/m)	105.0	
PHYSICAL CHARACTERISTICS		
Tape Width (mm)	12.65	
Tape Thickness (µm)	13.0	9.0
Minimum Tape Length (m)	365	557
ENVIRONMENTAL REQUIREMENTS		
Operation Conditions (°F(°C);%RH)	50~104 (10~40);20~80**	
Storage Conditions (°F(°C);%RH)	60~90 (16~32);20~80**	
Transportation Conditions (°F(°C);%RH)	41~90 (5-32);5~80 (Recorded)**	
Transportation Conditions (°F(°C);%RH)	-9~118 (-23~48);5~80 (Unrecorded)**	
DIMENSIONS		
External Dimensions (mm)	105.8x105.4x25.4	
Weight (g)	290 (with case)	

MODEL NAME	DLT Tape IV
GENERAL CHARACTERISTICS	
Magnetic Material	Metal Particle (MP)
Recording Capacity (Compressed*)	40.0GB (80.0GB*)(DLT8000/DLTVS80) 35.0GB (70.0GB*)(DLT7000) 20.0GB (40.0GB*)(DLT4000)
MAGNETIC CHARACTERISTICS	
Coercive Force (kA/m)	151
PHYSICAL CHARACTERISTICS	
Tape Width (mm)	12.65
Tape Thickness (µm)	9.0
Minimum Tape Length (m)	557
ENVIRONMENTAL REQUIREMENTS	
Operation Conditions (°F(°C);%RH)	50~104 (10~40);20~80**
Storage Conditions (°F(°C);%RH)	60~90 (16~32);20~80**
Transportation Conditions (°F(°C);%RH)	41~90 (5-32);5~80 (Recorded)**
Transportation Conditions (°F(°C);%RH)	-9~118 (-23~48);5~80 (Unrecorded)**
DIMENSIONS	
External Dimensions (mm)	105.8x105.4x25.4
Weight (g)	292 (with case)

* Compression ratio 2:1.

** Maximum wet bulb temperature: 79°F(26°C) at no condensation.