

# SONY®

Sony DDS-4 Tape Drive  
**SDT-10000**  
**SDT-11000**

The no-compromise tape streamer.  
Sony's new SDT-10000 offers 52 GB of storage capacity and  
6.2 MB/s data transfer rate.



# Wealth of functions packed into 3.5-inch size, outstanding cost performance and supreme reliability.

Today's rapidly-expanding networks and information systems require a fast, reliable storage solution. Sony's new DDS-4 format, based on the firmly-established DDS media system, is the answer. Its attractive features of compact size, fast speed and large capacity make this tape streamer ideal for data storage in all applications, from corporate servers and workstations, to the SOHO environment.

## Large 52GB storage capacity

The recording density has been greatly improved by the narrower track pitch, longer tape and other ingenious ways based on Sony's proven helical scan technology. 52 GB of data (20 GB without compression) can be squeezed onto a compact DAT-size cassette so that even the new generation of larger hard disks can be backed up onto a single tape.

## Fast 6.2 MB/s\*<sup>1</sup> data transfer

In addition to the RF system IC and formatter IC, new technologies such as Sony's unique 8503 rpm drum combine to deliver fast data transfer of 6.2 MB/s.

\*<sup>1</sup> Transfer rate when compressed. 2.4 MB/s without compression

## Ultra-wide SCSI/SE-LVD

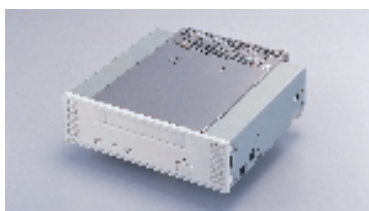
The ultra-wide SCSI disk drive interface not only supports the newest hardware environment, but also high-speed burst data transfer of 40 MB/s (synchronous). SDT-11000 has achieved this with its ultra-wide SCSI and a built-in LVD, thus improving versatility and usability when installed in a system.

## Compatibility with DDS Format

SDT-10000/11000 can write and read conventional DDS-1, 2 and 3 media to ensure that all valuable archived data can still be accessed.

## Compact Form Factor

The compact 3.5-inch form factor size is configured into system-oriented\*<sup>2</sup> form factor size. The high performance, space-saving backup system can be readily configured to be built into existing system.



\*<sup>2</sup> A 5.25-inch half-height version is available.

## Specifications

Drive type	3.5-inch DDS-4 DAT Tape Drive
Media:	150 m DDS-4 Data Cartridge 125 m DDS-3 Data Cartridge 120 m DDS-2 Data Cartridge 90/60 m DDS Data Cartridge
Standard compliance:	DDS: ISO/IEC-10777 ECMA-139 DDS-DC: ISO/IEC-DIS11557 ECMA-150 DCLZ: ISO/IEC-DIS11558 ECMA-151 DDS-2: ISO/IEC13923 ECMA-198 DDS-3: ISO/IEC 15521 ECMA-236 DDS-4: ISO/IEC T.B.D. ECMA-288
DC algorithms:	DCLZ
Interface:	<b>SDT-10000:</b> SCSI-3 Ultra Wide/SE <b>SDT-11000:</b> SCSI-3 Ultra Wide/LVD
Capacity:	20 GB (without compression) 52 GB (with compression) with 150 m data cartridge *Compression rate 2:1
Sustained transfer rate:	2.4 MB/s (without compression) 6.2MB/s (with compression) with 150 m data cartridge *Compression rate 2:1
Burst transfer rate:	14 MB/s (max.) (Asynchronous) 40 MB/s (max.) (Synchronous)
Linear recording density:	122,000 bpi
Recording block length:	Variable or fixed
Average access time:	Approx. 55 seconds with 150 m data cartridge
Search time:	Less than 90 seconds with 150 m data cartridge
Drum rotational speed:	8,503 rpm
Buffer size:	10 MB
Error rate:	Less than 10 <sup>-15</sup> bits
MTBF:	250000 POH (Duty 40%)
Vibration (operating):	0.25G peak, 5 to 500 Hz (swept)
Shock (operating):	5.0G peak, half sine wave of 3 ms duration
Max.wet bulb temperature:	26°C (79°F)
Operating temperature:	5°C to 40°C (41°F to 104°F)
Storage temperature:	-40°C to 70°C (-40°F to 158°F)
Operating humidity:	20% to 80% (non-condensing)
DC power supply:	DC 5±5% or DC 12V±10%
Power consumption:	8.0 W (typical) or less than 12.2 W (max.)
Dimensions:	101.6 (W) x 41.2 (H) x 146 (D) mm
Mass:	600 g (1lb 5oz)
Form factor:	3.5-inch standard height

*Storage capacity and transfer rate depend on the data type.  
Design and specifications are subject to change without notice.  
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