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DAT320 Cleaning Tape

Sony's cleaning cartridge, exclusively developed for the DAT320 format, offers **optimum cleaning** effect, **minimizing head wear** and maintaining the head condition in an optimum state.

About Sony storage media

Sony has spent more than 50 years driving innovation and this pioneering spirit has led us to develop many popular storage standards. Today, Sony manufactures media for many different formats – including AIT and half-inch tape formats such as S-AIT and LTO, as well as optical discs like MO, Blu-ray, DVD and CD – all to the same demanding standards for absolute performance and reliability. Businesses and consumers get the widest choice of storage solutions from a single supplier. And with the backing of Sony technical support and time-saving services like pre-labelling, the answer is clear: whether you need archival, backup or file transfer, trust Sony with your data.

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DAT

DAT320
Digital Data Storage



Ideal for backup applications in small and medium networks

DAT320 Media, using Sony's Metal Evaporated technology for outstanding reliability and performance

Sony brings over 20 years experience as a Metal Evaporated media expert to bear on the DAT320, with tangible benefits in terms of quality and reliability.

A newly developed super-fine magnetic layer results in high output and low error-rate while a carbon protective layer increases the durability of the tape.

A high-performance lubricant coating minimizes stress on the tape heads and ensures smooth and stable operation.

Thanks to its small size, great reliability and affordability, DAT320 is the ideal storage solution for SMB.



Key features and benefits

➤ Greater Capacity in a Tiny Cartridge

Sony's DAT320 cartridge offers the storage capacity of 160GB (native) and 320GB (compressed). Thanks to Sony's technological experience as a Metal Evaporated media expert for over 20 years, DAT320 provides greater recording density in a small cartridge by adopting our ME and helical scan technologies already proven reliable in our AIT format.

➤ DAT Format, the De-Facto Standard for Small-to-Medium Storage

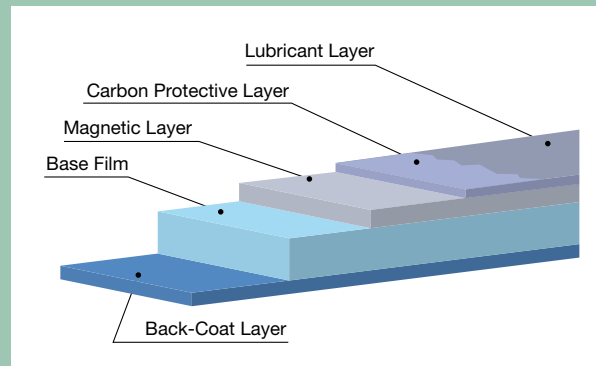
With entry-level storage capacities and high reliability, the DDS/DAT format has the largest installed base of any tape technology and is the de-facto standard for small and medium sized businesses. The DAT320 generation offers greater capacity and faster transfer speed but maintains its small size providing space, cost and energy saving benefits.

DAT



DAT320
Digital Data Storage

Sony's Metal Evaporation Technology



Sony's metal evaporation technology, derived from the development of the AIT format, delivers newly developed super-fine magnetic layer that is optimized for DAT320. This enables the tape to have higher coercivity and greater magnetic flux density, resulting in high output and low noise level. The carbon protective layer deposited on the magnetic layer ensures a strong wear resistance, providing a higher durability. The application of a lubricant layer provides lower friction which reduces head wear. Again, Sony's expertise in metal evaporation technologies has led to the development of this highly reliable next generation.

DAT Roadmap

	DDS-1	DDS-2	DDS-3	DDS-4	DAT 72	DAT 160	DAT320	DAT 8 th Gen
Read/Write Compatibility	←	←	←	←	←	←	←	←
Media Type	90m Tape	120m Tape	125m Tape	150m Tape	170m Tape	150m Wide Tape	Wide Tape	Wide Tape
Compressed* Capacity	4 GB	8 GB	24 GB	40 GB	72 GB	160 GB	320 GB	~600 GB
Compressed* Transfer Rate	360 KB/s	≤1.4 MB/s	≤3 MB/s	2-6 MB/s	≥6 MB/s	≥10 MB/s	24 MB/s	≥32 MB/s
	1990	1993	1996	1999	2003	2007	2009	~2 Yrs

Drive / Media Compatibility

Format	Media Model	Drive Type				
		DAT320	DAT160	DAT72	DDS4	DDS3
DAT320	DGDAT320N	Write/Read	-	-	-	-
DAT160	DGDAT160N	Write/Read	Write/Read	-	-	-
DAT72	DGDAT72N	-	Write/Read	Write/Read	-	-
DDS4	DGD150N	-	Write/Read	Write/Read	Write/Read	-
DDS3	DGD125N	-	-	Write/Read	Write/Read	Write/Read

Specifications

General Characteristics	DGDAT320N
Format	DAT320
Storage Capacity: Compressed (Native)*	320GB (160GB)
Linear Recording Density (kbpi)	202
Physical Characteristics	
Tape Width (mm)	8.0
Tape Thickness (μm)	5.9
Tape Length (m)	153
Environmental Requirements	
Operating Conditions (°F (°C); %RH)	41~113 (5~45); 10~80**
Storage Conditions (°F (°C); %RH)	41~89.6 (5~32); 20~60**
Transportation conditions (°F (°C); %RH)	-40~113 (-40~45); 5~80**
Tape Dimensions (nominal)	
External Dimensions (mm)	73x54x14,7
Weight (g)	53 (with case)

* Compression ratio 2:1 ** Maximum wet bulb temperature: No condensation at 26°C (79°F).

Logistics

Sub carton	DGDAT320
External Dimensions (mm)	200 x 83 x 61
Weight (kg)	0.559
Quantity	10
Master carton	DGDAT320
External Dimensions (mm)	332 x 220 x 213
Weight (kg)	6.122
Quantity	100

Cartridge with High Performance

Sony's low torque cartridge technology helps minimize the torque effect during winding. From experience as the DDS/DAT manufacturer, Sony specially designed hub and shell as well as upper sheet and lower sheet newly designed for the wide tape to help improve cartridge strength and ensure smooth tape running.

