

# DAT72

## DAT72 Data Cartridge

**Sony's ultra-thin coating technology packs 72GB into one DAT72 cartridge.**



### DAT72, Massive Capacity by a small Cartridge

DAT72 delivers high compressed capacities of up to 72GB (Native 36GB) of data protection in a single, small data cartridge. Utilizing Sony's outstanding dual, ultra-thin magnetic layer and helical scanning technologies.

### Passed Hewlett-Packard's Certification Test

Sony's DAT72 Cartridge (DGDAT72) has been certified by Hewlett-Packard's Qualification Test and can be used in DAT72

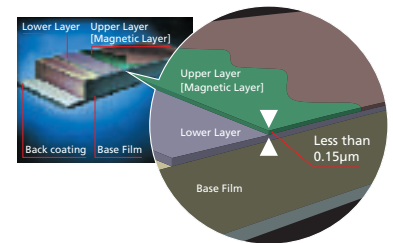
### DAT72•DDS Series Drive/Media Compatibility

Model	Format	Drive Type				
		DAT72	DDS-4	DDS-3	DDS-2	DDS-1
DGDAT72	DAT72	Read/Write	Reject	Reject	Reject	Reject
DGD150P	DDS-4	Read/Write	Read/Write	Reject	Reject	Reject
DGD125P	DDS-3	Read/Write	Read/Write	Read/Write	Reject	Reject
DGD120P	DDS-2	Reject	Read/Write	Read/Write	Read/Write	Reject
DG90P	DDS-1	Reject	Read/Write*	Read/Write	Read/Write	Read/Write
DG60P	DDS-1	Reject	Read/Write*	Read/Write	Read/Write	Read/Write

\* This depends on the drive's specifications. Sony's DDS-4 drive is read and write compatible.

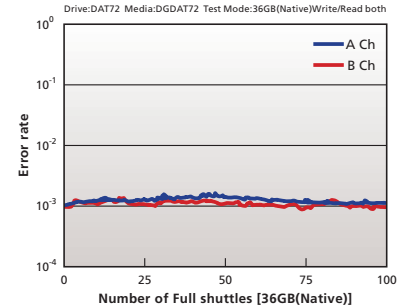
### Dual ultra-thin magnetic layer technology

Sony's DAT72 Tape uses a dual-layer film coating, an ultra-thin magnetic layer and a non-magnetic layer. Sony's unique coating technology has achieved one of the thinnest magnetic layers for products with an upper layer that is less than 0.15µm meters thick. The ultra-thin film magnetic layer made possible by this technology ensures high output and low tape noise even in a high frequency range necessary for achieving a high recording density. Likewise, the non-magnetic layer significantly improves the surface smoothness for a more stable and durable tape transport.



### Excellent durability

The chart on the right shows the results of a full backup test, in which read/write of 36GB data (native) was performed repeatedly. Sony's DAT72 (DGDAT72) displayed its superior reliability by maintaining a highly stable error rate even when it was repeatedly run for the length of the tape.



MODEL NAME	DGDAT72
<b>GENERAL CHARACTERISTICS</b>	
Format	DAT72
Linear Recording Density (kbp/)	163 (8kftpm)
Recording Capacity (Compressed*)	36GB (72GB*)
<b>MAGNETIC CHARACTERISTICS</b>	
Coercive force (kA/m)	195
<b>PHYSICAL CHARACTERISTICS</b>	
Tape width (mm)	3.81
Tape thickness (µm)	5.3
Tape length (m)	170
<b>ENVIRONMENTAL REQUIREMENTS</b>	
Operation Conditions ( F (C);%RH)	15-55 (59-131);10-80**
Storage Conditions ( F (C);%RH)	5-32 (41-89.6);20-60**
Transportation Conditions ( F (C);%RH)	-40-45 (-40-113);5-80**
<b>DIMENSIONS</b>	
External dimensions (mm)	73 x 54 x 10.5
Weight (g)	42 (with case)

\* 2:1 Compression ratio.

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