



## DLTtape® VS1

Capacity, Performance,  
Cost Effectiveness

UP TO 320GB  
COMPRESSED CAPACITY

QUALITY CHOICE FOR  
MANY APPLICATIONS

DURABILITY AND RELIABILITY  
BY DESIGN

DLTtape VS1 delivers value like no other media in its class. DLTtape VS1 is the media used on the DLT VS160 and DLT-V4 tape drives. Quantum DLTtape VS1 media exceeds expectations by using the latest magnetic and mechanical innovation to deliver high capacity and a low cost per gigabyte (GB). DLTtape VS1 media boasts a capacity of up to 160GB native and 320GB compressed – so customers can focus on protecting their data rather than managing more tapes. DLTtape VS1 media, can be used with DLT VS160 and DLT-V4 tape drives, providing a flexible solution for either high-performance or value-level server platforms. This outstanding versatility makes DLTtape VS1 the quality choice for many applications – from desktop to data center.

In order to meet the higher capacity and performance of the DLT VS160 and DLT-V4 tape drives, Quantum developed DLTtape VS1 media. DLTtape VS1 uses the latest technology in media formulation and design, to deliver advances in three key areas:

- Media surface
- Magnetic layer thickness
- Cartridge reliability

### FEATURES AND BENEFITS

- High performance – 160GB native and up to 320GB compressed<sup>1</sup>
- Increased cartridge reliability – The innovative take-up leader design provides reliable tape path threading
- Compatibility – DLTtape VS1 media can be used in the DLT VS160 and the DLT-V4 tape drives, providing the value you have come to expect from DLT technology

### Media Surface

Media surface characteristics are critical to high capacity recording. The DLTtape VS1 media is engineered to minimize variation in the media surface allowing for shorter wavelength recording and less spacing loss.

### Magnetic Layer Thickness

As capacities increase thinner magnetic layers are required. The magnetic layer of the DLTtape VS1 media has been reduced by 50% (compared to lower capacity media) in order to accommodate 160GB (native) of recording capacity.

### COMPATIBILITY

Media:	DLTtape VS1
Recording Format:	DLT VS320
Capacity:	160GB native/320GB compressed
SDLT 220:	8MB/sec

### TAPE CHARACTERISTICS

Tape Type:	Advanced Metal Particle
Overall Length:	1,847' (557.2 m)
Tape Width:	.498 (12.65 mm)
Tape Thickness (µm):	8.75

### MAGNETIC PROPERTIES

Coercivity (Oe):	1,850
Remanence (G):	3,000

### PHYSICAL SPECIFICATIONS

Width:	4.16" (105.6mm)
Length:	4.15" (105.3mm)
Height:	1.0" (25.4mm)
Weight:	7.85 oz. (222.5 g)
Color:	Black

<sup>1</sup>: Based on 2:1 compression

### Cartridge Reliability

Quantum has built upon experience to develop a robust cartridge design and deliver the reliability DLT® customers have come to expect. The DLTtape VS1 mechanical cartridge design provides:

- Accurate tape reel positioning which ensures load/unload reliability
- Stable tape movement and reliable leader engagement through a robust hub and take-up leader
- A new Write Protect switch for better visibility, minimizing the potential for human error

Continuing to build on DLT cartridge technology, Quantum developed a new media specifically targeted to meet the needs of the DLT VS160 drive. The DLTtape VS1 media provides customers with the confidence their mission critical data is protected with the reliability they have come to count on from DLT technology.

### TAPE LIFE

Archive Storage:	More than 30 years with less than 10% loss in demagnetization at 20°C and 40% non-condensing humidity
Durability:	Up to 200 uses

### OPERATING ENVIRONMENT

Ambient Temperature:	50°F to 104°F (10°C to 40°C)
Relative Humidity:	20% to 80%
Max. Wet Bulb Temperature:	79°F (26°C)

### STORAGE ENVIRONMENT

Non Archival	
Temperature:	60°F to 90°F (16°C to 32°C)
Relative Humidity:	20% to 80%
Archival	
Temperature:	64°F ± 82°F (18°C ± 28°C)
Relative Humidity:	40% to 60%
Stray Magnetic Field:	<4,000G

### WARRANTY

Quantum DLTtape VS1 half-inch cartridge tapes are free from defects in material and manufacture at the time of purchase. This limited lifetime warranty extends to the original end-user purchaser of the product and is not assignable or transferable to any subsequent purchaser or end-user.

### Model Numbers and Descriptions

MR-V1MQN-01	DLTtape VS1 Media Cartridge
MR-V1CQN-01	DLT VS160 and DLT-V4 Cleaning Cartridge

 For contact and product information, visit [quantum.com](http://quantum.com) or call **800-677-6268**

**Quantum**<sup>®</sup>

**Backup. Recovery. Archive. It's What We Do.**

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### About Quantum

Quantum Corp. is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.