

Mini DV Digital Videocassette

DVCassette



Those who demand exceptional image quality will demand the high-density digital recording technology of FUJIFILM. As video progresses from analog to digital, FUJIFILM is the name to trust.

High-Density Digital Recording Demands High Output and High C/N Ratio Characteristics

Compared to analog recording, the high-density digital recording of the Mini DV (Digital Video) system requires a tremendous amount of signal data. The thin cobalt-vacuum-evaporated magnetic layer of FUJIFILM's Mini DVCassette tape results in high energy levels with retentivity of 450mT and coercivity of 120kA/m for high-output digital video recording.

The DLC (Diamond-Like Carbon) Protective Layer Ensures Excellent Durability for Reliable Performance

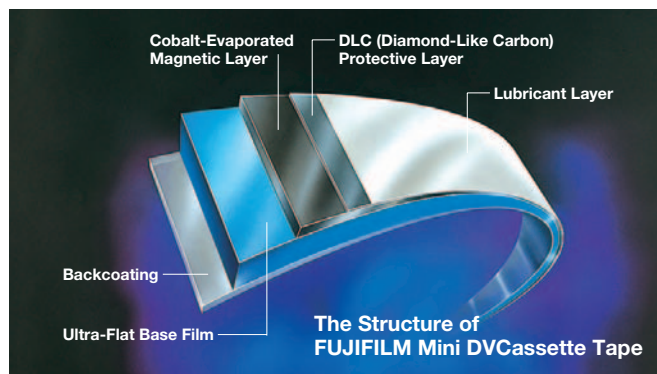
The DLC protective layer was specially formulated to safeguard the high performance of the cobalt-evaporated magnetic layer. Its diamond-like resilience offers superior wear resistance and when combined with the lubricant layer presents an impenetrable barrier to moisture, allowing high output to be maintained even after repeated playback. And the low-friction coefficient of the lubricant layer provides stable tape transport under a wide range of environments.

The Low Error Rate Enhances the Precision of Recording and Playback

The high-output characteristics of the thin cobalt-evaporated magnetic layer provide a wide margin of error while the stable head-to-tape contact and ultra-smooth magnetic layer significantly reduce spacing loss for a low error rate even in the short-wavelength range.

A Unique Cassette-Case Design Safeguards this High-Performance Tape

The design of the tightly sealed cassette shell inhibits the adhesion of dust and dirt. The three-lid structure ensures opening and closing involves the minimum of movement for exceptional sealing performance, and to achieve the precision required by the Mini DV system, a reel-lock feature prevents slack developing in the tape.



DVCassette Line-up

Model	Recording Time		Shell Color	Pack
	SP	LP		
DVM60CME U	60 min.	90 min.	Black	Single
DVM80CME U	80 min.	120 min.	Black	Single
DVM60x3CMIXME E	60 min.	90 min.	Mix (3-Color)	3-Cartridge
DVM60x5CMIXME E			Mix (5-Color)	5-Cartridge

DVCassette Technical Data

	DVM60	DVM80
Magnetic Properties		
Coercivity (Hc)	120 kA/m	
Retentivity (Br)	450 mT	
Squareness (Br / Bm)	0.8	
Physical Properties		
Tape Width	6.35 mm	
Tape Thickness	7 μm	5.3 μm
Transparency	Less than 5 %	
Recording Characteristics		
Optimum Recording Current	0 dB	
Data Signal Output Level (21 MHz)	More than - 1 dB	
Frequency Response (21 MHz / 10.5 MHz)	± 2 dB	
Overwrite Level (21 MHz / 10.5 MHz)	Less than + 2 dB	
C/N (21 MHz)	More than - 2 dB	
C/N (10.5 MHz)	More than - 2 dB	
Tracking Signal Output Level (0.47 MHz)	0 dB	
Tracking Signal Overwrite Level (0.47 MHz / 21 MHz)	Less than + 1 dB	
Impulse Response	± 5 %	

• Please note that the DV digital video system is NOT compatible with analog video systems. • Two sizes of cassettes are available for the DV digital video system – the Mini DVCassette and the DVCassette. The latter is suitable for extended recording and playback. • In accordance with copyright laws, Mini DVCassette recording are for private viewing only. • Mini DV is a commercially registered logo. • Specifications and appearance are subject to change without notice for product improvement purposes. Color and packing may differ from that shown in the catalog.



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