

Digital Master

Highly affordable and accessible, Digital Master™ Tape for HDV is the ideal first step into the thrilling world of High Definition.



Overview

Designed for MiniDV, DVCAM and HDV camcorders, Digital Master tape is the only professional videotape with 2 active magnetic layers, improving carrier to noise ratio by 2.5db for 95% fewer errors and 60% fewer dropouts than consumer DV tape!

A new AMEII metal evaporation technology has been used to improve the packing of grains inside the magnetic layer, increase tape retentivity (Br) and output as well as achieve better C/N and error ratios.

Quality Control has been enhanced following a complete review of the production process, resulting in improved drop-out figures.

By using a new method for creating the Diamond Like Carbon protective layer on the tape surface, a dramatic improvement in wear resistance has been achieved, resulting in reduced head wear.

A new lubricant ensures low friction and reduced head stain. With superior stability, tape damage is minimised.

Digital Master is also highly flexible and convenient media, enhancing compatibility between camcorder and VTR. It also offers a protective locking album case preventing accidental opening.

Cleaning Tape: PDVM-12CL and PDV-12CL

Specifications

General Characteristics

Master Carton Quantity (piece)	PHDV-276DM: 50 PHDV-186DM: 50 PHDV-124DM: 50 PHDV-64DM: 50 PHDVM-63DM: 50
Master Carton Weight (kg)	PHDV-276DM: 7.6 PHDV-186DM: 7.3 PHDV-124DM: 7.0 PHDV-64DM: 6.9 PHDVM-63DM: 4.434
Playing time (min)	PHDV-276DM: 276 PHDV-186DM: 186 PHDV-124DM: 124 PHDV-64DM: 64 PHDVM-63DM: 63

Tape length (m)	PHDV-276DM: 315 PHDV-186DM: 214 PHDV-124DM: 143 PHDV-64DM: 75 PHDVM-63DM: 73
Weight (g)	PHDV-276DM: 142 PHDV-186DM: 135 PHDV-124DM: 130 PHDV-64DM: 127 PHDVM-63DM: 64

Magnetic Properties

Intrinsic coercivity (kA/m)	125
Retentivity (mT)	550
Squareness (Br/Bm)	0.82

Physical Properties

Thickness: backcoating (μm)	0.5
Thickness: base (μm)	6.3
Thickness: magnetic layer (μm)	0.2
Thickness: total (μm)	7
Width (mm)	6.35
Thickness non-magnetic layer (μm)	6.3

Video and Audio Performance

RF Playback output (dB)	2.5
C/N	1.5

Gallery

