

## Digital Master

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



### Overview

### Digital Master

- 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

\* Product assortment may vary by region. Please consult your local Sony Account Representative.

## 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

	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 ( $\mu\text{m}$ )	0.5
Thickness: base ( $\mu\text{m}$ )	6.3
Thickness: magnetic layer ( $\mu\text{m}$ )	0.2
Thickness: total ( $\mu\text{m}$ )	7
Width (mm)	6.35
Thickness non- magnetic layer ( $\mu\text{m}$ )	6.3

## Video and Audio Performance

RF Playback output (dB)	2.5
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C/N	1.5
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## Gallery

