

# 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

