

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 |

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|------------------------------|-------------------|
| Master Carton Weight (kg) | PHDV-276DM: 7.6 |
| | PHDV-186DM: 7.3 |
| | PHDV-124DM: 7.0 |
| | PHDV-64DM: 6.9 |
| | PHDVM-63DM: 4.434 |

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| Playing time (min) | PHDV-276DM: 276 |
| | PHDV-186DM: 186 |
| | PHDV-124DM: 124 |
| | PHDV-64DM: 64 |
| | PHDVM-63DM: 63 |

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|-----------------|-----------------|
| Tape length (m) | PHDV-276DM: 315 |
| | PHDV-186DM: 214 |
| | PHDV-124DM: 143 |
| | PHDV-64DM: 75 |
| | PHDVM-63DM: 73 |

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| | PHDV-276DM: 142 |
| | PHDV-186DM: 135 |
| | PHDV-124DM: 130 |
| | PHDV-64DM: 127 |
| | PHDVM-63DM: 64 |

Magnetic Properties

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

Physical Properties

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| 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

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

