



## PDW75MD

### 1080i High Definition Medical Grade Video Recorder

Pricing available upon request

## Overview

The PDW-75MD XDCAM HD is an optical based HD video disc recorder designed for medical applications. The device records high definition video in 1440 x 1080i resolution, delivering outstanding HD image quality and accurate color reproduction. To accommodate the increasing adoption of HD imaging in the surgical environment, this second generation recorder employs a newly developed dual layer optical disc technology that greatly increases the recording time per disc. The PDW-75MD can store up to 4.5 hours of high definition video on the 50 gigabyte dual-layered disc and up to 2 hours on one 23 gigabyte single layered disc. Together with the optional PDW-U1 XDCAM drive unit, doctors can easily transfer recorded HD video material from the operating room to their office computer, laptop or other workstation for viewing and editing. Superb quality HD video can then be stored in patient archives, shared with colleagues within the hospital network or presented for education purposes.

## Highlights

- \* Compact unit can be positioned horizontally or vertically for easy integration into operating rooms and other Medical environments
- \* Record up to 4.5 hours of HD video on one PFD-50DLA professional dual layered disc
- \* Select desired bit rates of 35, 25, or 18 MB/s depending on your requirements for picture quality and recording length
- \* 3.5 inch color screen for easy viewing and setup
- \* Built-in down converter for a composite output
- \* Jog/shuttle dial equipped for VTR-like operation
- \* HD-SDI Inputs and Outputs
- \* PFD-50DLA and PFD-23 professional media discs are completely sealed to help prevent dust and scratches
- \* Discs can be recorded and re-written 1,000 times\*\* and played back 10,000 times, Data life on the discs is more than 50 years.\*\*

## Features

Features	Benefits
1440 x 1080i resolution	Outstanding image quality and accurate color reproduction
Compact design	Unit can be positioned horizontally or vertically for easy integration into operating rooms and other medical environments
Newly developed dual layer optical disc technology	Record up to 4.5 hours of HD video
Optional PDW-75MD drive unit	Doctors can easily transfer recorded HD video material from the operating room to their office computer, laptop or other workstation for viewing and editing

## Specifications

General Specifications	Detail
Dimensions	307 x 100 x 411mm (12 1/8 x 4 x 16 1/2 inches)
Power Consumption	70 W
Power Requirements	100V to 240V AC

	50/60Hz
Record / Playback Time	PDF-50DLA (50 GB): 185 minutes PD-F2LA (23.3 GB): 85 minutes
Recording Format	Video: MPEG-4 (MPEG-2 MP@HL): HQ mode (VBR maximum bit rate:35 Mb/s) SP mode (CBR 25 Mb/s) LP mode (VBR maximum bit rate: 18Mb/s) DVCAM (CBR 25 Mb/s) option PDBK 104 Proxy video MPEG4 Audio: MPEG HD:4 ch or 2 ch 16 bits/48 kHz Proxy Audio: A-law (4 ch/2 ch 8 bit 8 kHz)
Weight	7.2 kg (15lbs. 6 oz)

<b>Input/Output Specifications</b>	<b>Detail</b>
Analog Audio Input	XLR x 2 (Channel Selectable) +4/0/-3/-6 dBu (selectable) 10 k Balanced
Analog Audio Output	XLR x (2) (channel selectable) +4/0/-3/-6 dBu (selectable) 600 load Balanced
Analog Composite Input	BNC x (1) RS-170M
Analog HD Composite Input	BNC x (4) Y/Pb/Pr/ (Sync) or G/B/R (Sync)
Digital Audio Input	AES/EBU BNC x 2.4 channels
Digital Audio Output	AES/EBU BNC x 2.4 channels
i.LINK	IEEE 1394 6-pin x 1 AV/C (DV stream output) or File Access Mode
Monitor Audio Output	RCA x 2(L R Mix) -6dBu 47 Unbalanced
Monitor Output Connector	D-sub 15-pin (G/B/R or Y/Pb/Pr)
Remote Control	D-sub 9 pin x 1
Time Code Input	BNC x (1) SMPTE Timecode
Time Code Output	BNC x (1) SMPTE Timecode

## Resources

### Product Brochure

Description:	Release Date	Type/Size
XDCAM and XDCAM EX Product Brochure		pdf / 2,460K