PDW-U1

XDCAM Professional Disc drive unit

Overview

The PDW-U1 is the most affordable addition to the XDCAM line-up

XDCAM is the bestselling, most affordable and most widely supported tapeless acquisition system for broadcast and professional applications. Both SD and SD/HD switchable XDCAM products are available now.

The PDW-U1 extends the IT credentials of XDCAM by offering a simple and portable drive that can be used with a PC or Mac for viewing purposes (using free Sony software) or full read/write* access with a compatible NLE.

The PDW-U1 also supports the use of Dual Layer XDCAM media. Recording onto Dual Layer discs (50GB) is a feature of a range of new Sony products, including the PDW-F355 and PDW-F335 XDCAM HD camcorders, and the PDW-F75 XDCAM HD deck.

Standard IT interface

The PDW-U1 uses a standard USB2.0 interface - found on all the latest PC's and Mac's. Simply 'plug and play'

Full XDCAM compatibility

The PDW-U1 can be used with all available XDCAM SD

Dual Layer Ready

The PDW-U1 houses a drive that supports both Single layer (23GB) and Dual layer (50GB) media[br]- Dual layer discs allow over 3 hours of DVCAM and over 4 hours of MPEG HD to be recorded at 18Mb/s, and more than 145 minutes at 35Mb/s.

Affordability

The PDW-U1 is the most affordable deck in the XDCAM product line-up.

Easy integration with industry leading partners

The PDW-U1 will offer full interoperability with leading editing systems.

Portability

Lightweight and Portable. This unit can be used in the office or in the field

Bundled Utilities (PC)

Allowing the user to manage drive data including multi-clip access (Proxy or Hi-res) using the PC viewer.

Specifications

General	
Power Requirements	DC 12 V (AC adaptor supplied)
Power Consumption	10 W
Operating Temperature	5°C to 40°C 42°F to 104°F
Storage Temperature	-20°C to +60°C -4°F to +140°F
Humidity	20% to 90% (relative humidity)

Mass	1.4 kg 3 lb 1 oz
Dimensions (W x H x D) *1	59 x 164 x 226 mm (excluding protrusions) 2 3/8 x 6 1/2 x 9 inches (excluding protrusions)
Recording/Playback Format (Video)	MPEG HD422 (CBR, 50 Mbps) MPEG HD: - HQ mode (VBR, maximum bit rate: 35 Mbps), - SP mode (CBR, 25 Mbps), - LP mode (VBR, maximum bit rate: 18 Mbps), MPEG IMX (CBR, 50/40/30 Mbps) DVCAM (CBR, 25 Mbps)
Recording/Playback Format (Audio)	MPEG HD422: 8 ch/24 bits/48kHz, MPEG HD: 4/2 ch/16bits/48kHz, MPEG IMX: 8 ch/16 bits/48 kHz, or 4 ch/24 bits/48 kHz, DVCAM: 4 ch/16 bits/48 kHz
Recording/Playback Format (Proxy Video)	MPEG-4
Recording/Playback Format (Proxy Audio)	A-law (8 ch/8 bits/8 kHz)
	50 Mbps: Approx. 95 min

Recording/Playback Time (MPEG HD422)	(PFD50DLA), Approx. 43 min (PFD23A)
Recording/Playback Time (MPEG HD)	35 Mbps, 4-ch audio: More than 145 min (PFD50DLA), More than 65 min (PFD23A) 35 Mbps, 2-ch audio (playback only): More than 150 min (PFD50DLA), More than 68 min (PFD23A) 25 Mbps, 4-ch audio: Approx. 190 min (PFD50DLA), Approx. 85 min (PFD23A) 25 Mbps, 2-ch audio (playback only): Approx. 200 min (PFD50DLA), Approx. 90 min (PFD23A) 18 Mbps, 4-ch audio (playback only): More than 248 min (PFD50DLA), More than 112 min (PFD23A) 18 Mbps, 2-ch audio (playback only): More than 265 min (PFD50DLA), More than 122 min (PFD23A)
	50 Mbps: Approx. 100 min (PFD50DLA), Approx. 45 min (PFD23A) 40 Mbps: Approx. 120 min

Recording/Playback Time (MPEG IMX)	(PFD50DLA), Approx. 55 min (PFD23A) 30 Mbps: Approx. 150 min (PFD50DLA), Approx. 68 min (PFD23A)
Recording/Playback Time (DVCAM)	25 Mbps: Approx. 185 min (PFD50DLA), Approx. 85 min (PFD23A)

Media Drive

Media Type	Professional Disc Drive (x1)

Input/Output

USB	Hi-Speed USB (USB 2.0) (x1)

Supplied Accessories

Supplied Accessories	Operation manual (1) XDCAM Drive Software (1) XDCAM Browse Software (1)

Notes

Note	[*1] The values for dimensions are approximate.

Related products

PDW-850

Three 2/3-inch Power HAD FX CCD sensors XDCAM HD422 ultimate Professional Disc camcorder with best picture quality and easy-to-share and archive media

Gallery