

## 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)

---

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)

Recording/Playback Time (MPEG HD)

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

