SONY

PDW-D1

XDCAM™
Professional Disc System

Professional Disc™

Professional Disc Drive Unit

The PDW-D1, a new addition to the XDCAM family, is an XDCAM disc drive unit specifically designed for use in non-linear editing systems. The drive unit features an i.LINK interface supporting DV IN/OUT and File Access Mode* protocols, allowing connection with a variety of non-linear editing (NLE) systems. Its highly compact and lightweight design allows installation in any working environment - even on a busy journalist's desktop as well as awkward working areas in the field. The PDW-D1 provides a smart, yet cost-effective option for editing tasks.

* For connection with third party products using this mode, please contact your nearest Sony office or contact your non-linear software supplier.

Main Features

i.LINK Interface Supports both File Access Mode and AV/C Protocols

The PDW-D1 supports not only File Access Mode but also AV/C protocols on an i.LINK interface, so it can be easily connected to existing DV-based NLE systems. By accessing this unit with the AV/C protocol, the DVCAM format can be recorded onto or played back from disc. In File Access Mode, high-resolution AV files (both MPEG IMX and DVCAM) can be written.

i.LINK (DV Stream) Output from MPEG IMX Recordings

By playing back a disc recorded in MPEG IMX format from a NLE with the AV/C protocol, a signal converted to the DVCAM format can be output.

Automatic Proxy AV Recording

The proxy AV data is a low-resolution, MPEG-4 based version of the full-resolution MPEG IMX/DVCAM stream. When high-resolution AV is recorded by AV/C protocol or written by File Access Mode on disc, a proxy AV file is automatically generated and recorded beside the high- resolution file in the same manner as the other XDCAM products. In File Access Mode, Proxy AV files can be uploaded to a PC 30 times faster than real time.

Metadata Recording

XDCAM can record various type of metadata together with video and audio data, such as the date and time of shooting, the cameraman, the recording method and comments about the materials. The PDZ-1 Proxy Browsing Software allows various kinds of metadata, including essence marks, to be stored on the disc and clip list "write-back" is also available.

AC, DC & Battery-Powered Operation

The PDW-D1 supports not only AC-powered but also DC or battery-powered operation (which requires the optional BKP-L551 adaptor). Its highly compact design and battery-powered operation allows field editing in combination with a laptop PC.

Compact Design

With a compact and lightweight design, the PDW-D1 can easily be placed on journalists' and editors' desks. It measures just 78 x 182 x 257 mm and weighs only 3kg. It can be used horizontally or placed upright, allowing users to position it as desired, even in space-constrained or awkward environments.

Setup Utility Software**

By installing the supplied setup utility software on a PC, it is possible to carry out setup, maintenance and system menu operations. Software updates can also be carried out using this utility software. The utility software operates using the FAM (File Access Mode) protocol and therefore requires the FAM driver (supplied) to be installed on the PC.

** To set up the PDW-D1, a Windows-based PC running the supplied setup utility software is required (not compatible with Macintosh OS.)

PDW-D1 Specifications

GENERAL		
Power requirements		AC 100 to 240 V, 50/60Hz, DC (with battery)
Power consumption		25W
Operating temperature		0 to 40 °C
Storage temperature		-20 to +60 °C
Humidity		20 to 90 % (relative humidity)
Mass		3.0kg (6lb 9oz)
Dimensions (W x H x D)		78 x 182 x 257 mm (3 1/8 x 7 1/4 x 10 1/8 inches)
Recording format(AV/C)	Video	DVCAM (25Mb/s)
	Proxy Video	MPEG-4
	Audio	4ch/16bit/48kHz
	Proxy Audio	A-law (4ch, 8bit, 8kHz)
Recording format	Video	MPEG IMX (50/40/30Mb/s),DVCAM (25Mb/s)
(File Access Mode)	Proxy Video	MPEG-4
	Audio	MPEG IMX: 8ch/16bit/48kHz or 4ch/24bit/48kHz DVCAM:4ch/16bit/48kHz
	Proxy Audio	A-law(4/8ch, 8bit, 8kHz)
Playback format	Video	MPEG IMX(50/40/30Mb/s),DVCAM(25Mb/s)
	Proxy Video	MPEG-4
	Audio	MPEG IMX: 8ch/16bit/48kHz or 4ch/24bit/48kHz DVCAM:4ch/16bit/48kHz
	Proxy Audio	A-law(4/8ch, 8bit, 8kHz)
Recording/playback time	MPEG IMX	50Mb/s:45 min, 40Mb/s:55 min, 30Mb/s:68 min
	DVCAM	85 min

INPUTS/OUTPUTS	
i.LINK (switchable)	IEEE1394, DV IN/OUT for Windows-based PC and Macintosh OS*
	i.LINK File Access Mode (FAM) 6 pin x 1 for Windows-based PC

SUPPLIED ACCESSORIES

Operation manual(x1), PDZ-1 Proxy browsing software(x1), MXF proxy viewer (x1), Setup utility software(x1)*

OPTIONAL ACCESSORIES

PFD23	Professional Disc
VMC-IL4615/4635	i.LINK Cable (4-pin to 6-pin, 1.5m/3.5m)
VMC-IL6615/6635	i.LINK Cable(6-pin to 6-pin, 1.5m/3.5m)
BKP-L551	Battery Adaptor
BP-GL65	Lithium-ion Battery Pack
BP-GL95	Lithium-ion Battery Pack
BP-L60S	Lithium-ion Battery Pack
BC-M150	Battery Charger

Front view

Rear view


Ideal for field use
with a laptop computer

* Setup utility software runs only on a Windows-based PC (not compatible with Macintosh OS)

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