

PDW-D1

XDCAM Professional Disc drive unit with i.Link interface



Overview

The PDW-D1 is an XDCAM Drive Unit specifically designed for use in non-linear editing systems. The drive unit supports the i.LINK interface supporting DV IN/OUT (AV/C) and File Access Mode (FAM) protocols, allowing connection with a variety of non-linear editing systems. It features MPEG IMX/DVCAM switchable recording.

The approximate recording times for the XDCAM disc are as follows: 85 minutes of 25 Mbps DVCAM, 68 minutes of 30 Mbps MPEG IMX, 55 minutes of 40 Mbps MPEG IMX, and 45 minutes of 50 Mbps MPEG IMX. Also, proxy AV and a variety of metadata can be created and stored on the disc. Through i.LINK (AV/C), the PDW-D1 supports real time conversion of MPEG IMX recorded material to DVCAM which is subsequently output as a DVCAM stream over i-LINK. This enables a customer to acquire in the highest picture quality and use their existing DV editing infrastructure. Through the i.LINK (FAM) interface, the PDW-D1 appears as a removable storage device and enables an application to access the files directly off the disc.

The PDW-D1's highly compact and lightweight design makes it ideal for many different work environments like a busy journalist's desktop as well as other awkward workspaces in the field.

Record and playback MPEG IMX/DVCAM

PDW-D1 supports MPEG IMX (30, 40, 50 Mbps) DVCAM switchable recording and playback as a standard feature. This feature provides users with flexible operation in both programme distribution and exchange.

Proxy AV and metadata recording

Proxy AV file is created and recorded onto the disc along with high-resolution audio and video. Also a variety of metadata can be created and stored on the disc using an external PC. After transferring the proxy file to an external PC with a high speed connection, creating EDLs, scripting and annotating can be done by viewing proxy AV. The metadata can be sent back to the disc and carried with the high resolution AV files.

i.LINK interface

i.LINK interface supports both DV IN/OUT (AV/C) and File Access Mode (FAM). Through i.LINK (AV/C), DV stream output from MPEG IMX recordings is supported.

Equipped with one optical head

A single optical head provides up to 30x faster than realtime file transfer for Proxy, 2.5x for DVCAM and 1.25x for MPEG IMX (50Mbps) files.

AC/battery powered operation

PDW-D1 works with AC or battery operation. Battery connection requires the optional BKP-L551.

Features

MPEG IMX/DVCAM recording

Proxy AV data recording

Metadata recording

i.LINK interface supports both DV IN/OUT and File Access Mode

DVCAM stream output from MPEX IMX playback

High speed file transfers of up to 30x for Proxy, 2.5x for DVCAM and 1.25x for MPEG IMX (at 50Mbps) files

Equipped with one optical head

Highly compact and lightweight

AC/battery-powered operation

Specifications

Generic Specifications

Power requirements	AC 100 to 240V.50/60Hz, DC (with battery)
Power consumption	25W
Operating temperature	0 - 40C
Humidity	20 to 90% (relative humidity)
Mass	3.0kg (6lb 9oz)
Dimensions (WxHxD)	78x182x257mm (3 1/8 x 7 1/4 x10 1/8 inches)
AVC Recording Format:	Video - DVCAM (25Mb/s), Proxy Video (MPEG-4), Audio (4ch/16bit/48kHz), Proxy Audio A-law (4ch, 8bit, 8kHz)
File Access Mode Recording Format:	Video - MPEG IMX (50/40/30 Mb/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)
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)

Generic Specifications

Recording/playback time	MPEG IMX: 50Mb/s - 45 min, 40Mb/s - 55 min, 30Mb/s - 68 min, DVCAM - 85 min
Note:	Through i.LINK AVC, IMX format is down-converted to DV format

Supplied Accessories

Set-up software for Windows
PC

PDZ-1 software

XDCAM proxy server

Manual

Gallery



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