SONY
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PDW-1500

The XDCAM deck PDW-1500 is the ideal partner for both existing and next generation non-linear editing platforms.

The PDW-1500 Compact Deck is a half-rack sized recorder optimized for use with non-linear editing systems. Despite its compact size, this deck offers high-speed data transfers between compatible non-linear devices to create a powerful editing tool for news production.

Features

Multiple format recording

The PDW-1500 provides a choice of recording in DVCAM, MPEG IMX at 30, 40 or 50 Mbps. Accordingly the recording times per Professional Disc are : MPEG IMX at 30 Mb/s: 68 min., 40 Mb/s: 55 min., 50 Mb/s: 45 min., DVCAM: 85 min

Dual laser block

Two optical heads allow transfer speeds of 2.5x for MPEGIMX (recording at 50 Mb/s) and 5x for DVCAM streams.

Extensive Range of Interfaces

Sony PDW-1500 comes equipped with a wide range of interfaces. In the traditional AV world it offers SDI I/O, analogue composite I/O, digital audio I/O, analogue audio I/O, time code I/O, headphone output, audio monitor output, and i.Link AVC I/O. While for a smooth integration into an IT world it proposes Ethernet GB and i.Link (File Access Mode) in order to browse and use XDCAM files directly on your PC.

Other Features

* Proxy AV data recording
* Metadata recording
* Ability to write EDL back onto disc
* Thumbnail search operation
* Scene selection operation
* Search speed: Jog -2 to +2 times normal speed /Shuttle X35 times normal speed
* Clip audio insert
* File transfer
* Etc...

Benefits

New “Non-linear” Recording Medium

Professional discs have a natural advantage since they suffer no mechanical contact during recording or playback, making the format ideal for continuous use and re-use (up to 10 000 times!). The Professional Disc is also highly resistant to dust, shock and scratches, packaged in an extremely durable and dust-resistant cartridge. It is resistant to heat, humidity and X-rays– factors that make the Professional Disc ideal for use in harsh field environments, and also allows for long media life and long-term storage (50 Years). Finally, despite all its inherent benefits - Instant access, high speed transfer and exceptional reliability - professional discs still cost the same price as a tape and consequently can be perceived as a media.

Enhanced ergonomic

With all Sony XDCAM products, a thumbnail is automatically generated to represent each recording made. As is common in non-linear editing systems, these thumbnails allow for instant access and playback of clips. The Essence Marks used in Sony XDCAM products are also a very useful form of metadata, and provide a most effective way of searching for recordings via thumbnail pictures. Essence Marks can be set during the shoot either manually or automatically.

Benefits of Proxy AV Data

Proxy AV Data is a low-resolution, MPEG-4 based version of the full-resolution MPEG IMX/DVCAM stream. When a recording is made, a Proxy AV stream that is time code synchronized with the full-resolution stream, is also recorded automatically on the disc. This Proxy AV Data, which is smaller in size, is easier to work with and can be transferred over common networks at much greaterspeeds. Proxy AV Data is highly effective for tasks where video and sound quality are of less concern, but content delivery speed is essential. The typical benefits of its use include ‘Remote Content Browsing’ and ‘Proxy Editing’.

IT-friendly System

In the Sony XDCAM Series of products, recordings are made as data files – one for each video or audio clip. This allows material to be handled with great

flexibility in an IT-based networked environment – and easily available for copying, transferring, sharing and archiving to other IT-based devices. This file-based recording system also allows material to be viewed directly on a PC linked to the XDCAM decks or camcorders via an i.LINK (file access mode) connection – just as a PC reads files on an external drive.

Service and support

XDCAM products are provided with a 7 Years laser warranty !

Seamless Integration into Current VTR-Based Systems

In order to achieve seamless integration into current tape based systems, a great deal of thought has been put into the development of Sony XDCAM products. A range of conventional AV interfaces including SDI, analogue video and analogue/digital audio I/Os allows easy connectivity to current equipment, including a wide variety of VTRs, linear and non-linear editors, and audio mixers.

Technical Specifications

Power requirements	: AC 100 to 240 V, 50/60 Hz
Dimensions (W x H x D)	: 210 x 130 x 415 mm
Recording format	Video: MPEG IMX (50/40/30 Mb/s), DVCAM (25 Mb/s)
-	Proxy Video: MPEG-4
Search speed (in color)	Jog mode / Shuttle mode: -2 time to +2 times normal playback speed / ±35 times normal playback speed
Signal inputs	-: Analog reference input (BNC x2) Analog composite input (BNC x2) SDI input (BNC x1) Analog audio input (XLR x2) Digital audio input (AES/EBU, BNC x2) Time code input (BNC x1)
Signal outputs	-: Analog composite video output (BNC x2) SDI output (BNC x2) Analog audio output (XLR x2) Audio monitor output (RCA x1) Digital audio output (BNC x2) Headphone output Built-in audio speaker Time code output (BNC x1)
Other inputs/outputs	-: i.LINK : IEEE 1394, DV IN/OUT or file access mode, 6-pin x 1 Ethernet : GB RS-422A : (x1)

Supplied Accessories	
PDZ-1 proxy browsing software	x 1
Operation manual	x 1

Compatible Products

Mass Storage & Archive

PDJ-A640

Robotic Professional Disc Machine

PDJ-C1080

Robotic Professional Disc Machine

XDCAM

PDJ-A640

Robotic Professional Disc Machine

PDJ-C1080

Robotic Professional Disc Machine