

# XDCAM HD Decks / Drive

PDW-F75 Recording Deck / PDW-F30 Viewing Deck / PDW-U1 Drive Unit

XDCAM HD decks are highly versatile and are ideal for many different applications including HD video recording, editing, playout, archiving and presentations at large exhibition or conference venues.

The PDW-F75 is a fully-featured recording deck that can record in both high definition (MPEG HD) and standard definition (DVCAM) modes\*. It can record onto both PFD50DLA Dual Layer and PFD23A Single Layer Professional Disc and provides up to 4.5 hours of HD recording onto one PFD50DLA. The PDW-F75 is equipped with a comprehensive range of interfaces for integration into both AV and IT-based systems. HD-SDI input and output, HD analogue component and composite outputs and more are provided.

The PDW-F30 is a viewer and NLE feeder, which can also record MXF files (in both MPEG HD and DVCAM) via its i.LINK (File Access Mode) or Ethernet\*\* interfaces. It works with PFD23A Single Layer Professional Discs.

Both models can also input and output a 25 Mb/s HDV stream (MPEG-2 TS) for interfacing with HDV™ products or HDV-based non-linear editors via their i.LINK port\*\*\*.

The PDW-F75 and PDW-F30 have been designed to offer maximum speed of operation. They are equipped with a VTR-like jog dial, providing familiar and fast control of playback. In addition to the random-access capability, “Thumbnail Search”, “Expand” and “Scene Selection” functions significantly increase operational efficiency.

\*Possible from inputs via the SD-SDI or SD analogue composite interfaces, which require the optional PDBK-104 board.

\*\*Requires the optional PDBK-101 board.

\*\*\*Requires the optional PDBK-102 board.



PDW-F75



PDW-F30



PDW-F75



PDW-F30



## Common Features of the PDW-F75 and PDW-F30

- > Playback of MPEG HD and DVCAM material
- > Down-converted output: replayed HD pictures can be converted to SD signals and output via the SD-SDI\*, SD composite, and i.LINK (DV OUT) connectors.
- > Up-converted output: replayed DVCAM can be converted to 1080i HD and output via the HD connectors.
- > Thumbnail Search operation
- > Expand function
- > Scene Selection function for in-deck cuts-only editing\*\*
- > Equipped with a Jog/Shuttle dial, providing
  - Jog: +/1 times normal speed
  - Variable: -1 to +2 times normal speed
  - Shuttle: +/-20 times normal speed
- > 16:9, 3.5-inch\*\*\* colour LCD screen for displaying replayed pictures, audio monitors, timecode and setup menus
- > Repeat playback
- > A simple Remote Commander™ unit is supplied.
- > Gigabit Ethernet capability for network-based file transfer (requires the optional PDBK-101 board)
- > Input and output of a 25 Mb/s HDV stream (MPEG-2 TS) for interfacing with HDV products or HDV-based non-linear editors via an i.LINK port (requires the optional PDBK-102 board)
- > Compact and lightweight design; can be placed either horizontally or vertically
- > Four types of software supplied\*\*\*\*: PDZ-1 Proxy Browsing Software, PDZ-VX10 XDCAM Viewer Software, Proxy Viewer Software and PDZK-P1 XDCAM Transfer Software (for Apple Final Cut Pro)

\* SD-SDI interface is available only on the PDW-F75 deck.

\*\* The video and audio cannot be edited independently.

\*\*\* Viewable area measured diagonally.

\*\*\*\* The latest versions of software can be downloaded from the Sony Website. Please contact your nearest Sony office for details.

## Interface Options

Four optional boards are available:

- > PDBK-101: Provides a Gigabit Ethernet interface with the PDW-F75 and PDW-F30
- > PDBK-102: Allows a 25 Mb/s HDV stream (MPEG-2 TS) to be input and output between the PDW-F75/F30 decks and an HDV device
- > PDBK-103: Adds HD analogue component and RGB inputs to the PDW-F75 (these inputs share the same BNC connectors)
- > PDBK-104: Adds the SD-SDI and SD composite inputs to the PDW-F75

\* Only one of the PDBK-102, PDBK-103 or PDBK-104 boards can be installed at any one time.

	PDW-F75	PDW-F30	
<b>Input</b>	HD-SDI	•	-
	HD analogue component	• w/PDBK-103	-
	RGB	• w/PDBK-103	-
	SD-SDI	• w/PDBK-104	-
	SD analogue composite	• w/PDBK-104	-
	Digital audio	•	-
	Analogue audio	•	-
<b>Output</b>	Timecode	•	-
	Reference	•	-
	HD-SDI	•	-
	HD analogue component	•*	•*
	RGB	•*	•*
	SD-SDI	•	-
	SD analogue composite	•	•
<b>Others</b>	Digital audio	•	-
	Analogue audio	•	•
	Audio monitor	•	•
	Timecode	•	-
	i.LINK (DV OUT)	•	•
	i.LINK (File Access Mode)	•	•
	i.LINK (HDV)	1 w/PDBK-102	• w/PDBK-102
Ethernet	1 w/PDBK-101	• w/PDBK-101	
Remote	RS-422, RS-232C	RS-422, RS-232C	

# XDCAM HD Product Features

## PDW-U1

The PDW-U1\* is a powerful addition to the XDCAM HD line-up, which brings XDCAM HD operation to the desktop. The PDW-U1 allows material recorded on Professional Disc media to be viewed directly on a PC via its USB interface. It can also be used as a source feeder for non-linear editing systems. The PDW-U1 can handle both XDCAM HD and SD discs, providing a high level of versatility. Its compact and lightweight design makes it equally ideal for field and in-house operation.

- > Handles files in all XDCAM HD and SD formats
- > Handles both the new Dual Layer Disc (PFD50DLA) and Single Layer Disc (PFD23A)
- > Supports the Hi-Speed USB (USB 2.0) interface - compatible with most PCs
- > Direct access to files on Professional Disc media from a USB-connected PC
- > High-speed file transfer
- > Material browsing using the supplied PDZ-VX10 XDCAM Viewer software\*\* and PDZ-1 Proxy Browsing software\*\*
- > Compact and lightweight
- > Dimensions (W x H x D): 59 x 164 x 226 mm (2 3/8 x 6 1/2 x 9 inches)
- > Mass: 1.4 kg (3 lb 1 oz)
- > Can be operated either horizontally or vertically

\* The initial version of the PDW-U1 is read-only, and cannot write files onto Professional Disc media. This capability is scheduled to be available with a software upgrade targeted for release in Spring 2008.

\*\* The latest versions of software can be downloaded from the Sony Website. Please contact your nearest Sony office for details.



PDW-U1 Drive Unit



PDW-U1		
Power requirements	DC 12 V	
Power consumption	10 W	
Operating temperature	5 to 40 °C (+41 to +104 °F)	
Storage temperature	-20 to +60 °C (-4 to +140 °F)	
Humidity	20 to 90% (relative humidity)	
Mass	1.4 kg (3 lb 1 oz)	
Dimensions	59 x 164 x 226 mm (2 3/8 x 6 1/2 x 9 inches)	
Recording playback format (available Spring 2008)	Video	MPEG HD (35/25/18 Mb/s) MPEG IMX (50/40/30 Mb/s) DVCAM (25 Mb/s)
	Proxy Video	MPEG-4
	Audio	MPEG HD: 4/2 ch/16 bits/48 kHz MPEG IMX: 8 ch/16 bit/48 kHz, or 4 ch/24 bit/48 kHz DVCAM: 4 ch/16 bit/48 kHz
	Proxy Audio	A-law (8/4/2 ch/8 bit/8 kHz)
Interfaces	Hi-Speed USB (USB 2.0) x1	
Supplied accessories	Operation manual (x1) PDZ-1 Proxy Browsing Software (x1) PDZ-VX10 XDCAM Viewer Software (x1) Proxy Viewer Software (x1) PDZK-P1 XDCAM Transfer Software (x1) Setup utility software (x1)	

