



XDSPD1000

Entry Level
Professional Media
Station with Dual SxS
Card Slots and Quad
Layer Professional
Disc Drive

\$30,000.00

U.S.List Price

Overview

The XDS-PD1000 is a blend of video server technology integrated with Sony SxS memory card readers, and our new 4th generation Professional Disc drive with front panel controls similar to XDCAM decks. The XDS-PD1000 has 1.0 TB of RAID-4 hard drive internal storage, has dual SxS card readers and our new generation XDCAM drive which support our new 128 GB write once XDCAM discs. The XDS-PD1000's engine can provide up to 200 Mbps of bandwidth for file transfers and base band I/O operations.

Highlights

- * Available September 1, 2011
- * HD recording at up to 50 Mb/s using MPEG HD422
- * Support for existing XDCAM HD and XDCAM SD formats as standard
- * 1080i and 720P recording
- * Dual-layer disc (50 GB, PFD50DLA) and single-layer disc (23.3 GB, PFD23A) support
- * Thumbnail operation
- * Built-in up-conversion to HD from SDI input when recording
- * HD/SD conversion and cross conversion between 1080 and 720 at the output during playback
- * Multi-format compact HD/SD Recorder
- * *Video format (4:2:2 HD 1080 50i, 59.94i)
- * *High-quality eight-channel audio recording
- * 4.3-inch type* color LCD display
- * *Tilt up front panel
- * VTR-like jog/shuttle operation (for playing material on disc or internal storage)
- * Video control (via front panel and remote)
- * Ethernet interface

Specifications

General Specifications	Detail
Power Requirements	AC 100 V to 240 V, 50/60 Hz
Power Consumption	190 W
Operating Temperature	+5 to +40°C (+41 to +104°F)
Storage Temperature	-20 to +60°C (-4 to +140°F)
Humidity	25 to 90% (relative humidity)
Mass	16 kg (35 lb 9 oz)
Dimensions (W x H x D) (Excluding Protrusions)	424 x 132 x 460 mm (16 3/4 x 5 1/4 x 18 1/8 inches)
Search Speed Range	Jog mode: -1 to +1 times normal speed

	Variable mode: -2 to +2 times normal speed Shuttle mode: -20 to +20 times normal speed: F.Fwd/Rev: -35 to +35 times normal speed
Inputs/Outputs Specifications	Detail
Reference Input	BNC x 2 (including loop through), HD/SD HD Tri-level sync (0.6 Vp-p/75 /negative), HD/SD or SD blackburst/composite sync (0.286 Vp-p/75 /negative), HD/SD
SDI Input	BNC x 1, HD (HD/SD switchable) SMPTE 292M (w/embedded audio), HD SMPTE 259M (w/embedded audio), HD
Analog Audio Input	XLR 3-pin (female) x 2 (channel selectable) +4/0/-3/-6 dBu (selectable) 10 k, balanced
Digital Audio Input (AES/EBU)	BNC (x4) - 8 channels total (2 ch each) AES-3id-2001
Time Code Input	BNC x 1, SMPTE time code, 0.5 to 18 Vp-p/3.3 k/unbalanced
Composite Ouput	BNC (x1) - 1.0 Vp-p/75 /negative, SMPTE 170M
SDI Output	BNC (x 2), HD 1: SMPTE 292M (w/embedded audio), HD 2: SMPTE 292M (w/embedded audio), character On/Off, HD BNC (x 2), SD 1: SMPTE 259M (w/embedded audio), SD 2: SMPTE 259M (w/embedded audio), character On/Off, SD
Monitor Video	BNC (x1) - HD-SDI Monitor Output (w/ embedded audio) - Play and Record Channel Monitoring (character on/off) BNC (x1) - SD-SDI Monitor Output (w/ embedded audio) - Play and Record Channel Monitoring (character on/off) HD15 (VGA) x1 - for front LCD panel output HDMI (type A, 19 pin) x1 - HDMI Monitor Output
Analog Audio Output	XLR 3-pin (male) x 2 (channel selectable) +4/0/-3/-6 dBu (selectable), 600 , Lo-Z, balanced
Monitor Audio	XLR 3-pin (male) x 2, +4 dBu, 600, Lo-Z, balanced
Digital Audio Output (AES/EBU)	BNC (x4) - 8 channels total (2 ch each) AES-3id-2001
Headphone Output	JM-60 Stereo phone jack x 1 -13 dBu, 8 , unbalanced
Time Code Output	BNC x 1, SMPTE time code, 1.0 Vp-p/75 /unbalanced
Video Control	D-sub 9-pin (female) x 1, EIA RS-423
Ethernet	RJ-45 x 1 1000Base-T: IEEE802.3ab 100Base-TX: IEEE802.3u 10Base-T: IEEE802.3
USB	Hi-Speed USB 2.0 (Front: x1, Rear: x4)
Remote (9P) Input	D-sub, 9-pin (female) (x2), RS-422A Sony 9-pin VTR protocol (player commands only) VDCP (play and record commands)
AC Input	x 1, 100 to 240 V, 50/60 Hz
GPIO	D-sub, 15-pin (female) (x1), Input: TTL Level, Output: open collector
Audio Performance Specifications	Detail
Sampling Frequency	48 kHz
Quantization	24 bits

Frequency Response	20 Hz to 20 kHz +0.5/-1.0 dB (0 dB at 1 kHz)
Dynamic Range	More than 90 dB
Distortion	Less than 0.05% (at 1kHz)
Headroom	20/18/16/12 dB (selectable)
Built-In Display Specifications	Detail
Built-In Display	4.3-inch type color LCD monitor

Accessories		
Optional Accessories		
Model:	Description:	U.S.List Price
PDBK202	MPEG Transport Stream Option Board for PDWHR1, PDW-HR1/MK1, and Professional Media Station Products	\$3,630.00

Resources		
Family Brochure		
Description:	Release Date	Type/Size
New XDCAM HD422 Family (PDW-F800/700/F1600/HD1500/HR1-MK1/U2/U1/XDS-1000/PD1000/PD2000/Archive)		pdf / 5,543K
Brochure		
Description:	Release Date	Type/Size
Professional Media Station Family (XDS-1000, XDS-PD1000, XDS-PD2000)		pdf / 2,314K
It's all about workflow		pdf / 657K
User Manual		
Description:	Release Date	Type/Size
PDBK-202 MPEG Transport Stream Option Board for the PDW-HR1 and PDW-HR1/MK1 - Operation and Installation Manual (Ed 1. Rev 3)		pdf / 2,278K
XDS-PD1000 and XDS-PD2000 Operation Manual for Firmware Version 1.1 (Ed. 1)		pdf / 7,585K

Media		
Model:	Description:	U.S.List Price
PFD50DLA/3	Dual Layer 50GB Rewritable Optical Disc For XDCAM 95 min on MPEG HD422	Pricing available upon request
PFD23A/3	Single Layer Pre-Formatted 23GB Rewritable Optical Disc For XDCAM 43 min on MPEG HD422	Pricing available upon request
PFD128QLW	128GB Write Once Professional Disc	Pricing available upon request

