

# XDCAM HD422 - At the Top of the XDCAM Series

Sony is proud to introduce the XDCAM HD422 lineup as its top-of-the-line products in the XDCAM Series. These powerful tools provide stunning, high-quality recording in both image and audio, as well as versatile operation enabled by a range of interfaces.

## HD 1920 x 1080 and 1280 x 720 Recording Using the MPEG HD422 Codec

XDCAM HD422 products record and play back high-definition video with 1920 x 1080 and 1280 x 720 resolutions using MPEG HD422 compression, which employs MPEG-2 4:2:2P@HL compression technology. Data rates of up to 50 Mbps are used for recording, providing the highest picture quality in the XDCAM Series while keeping data size as low as possible for easy transfer and transmission. Moreover, the MPEG HD422 codec is based on industry-standard MPEG compression, offering high compatibility with many other devices such as nonlinear editing systems.

## Wide Choice of Video Formats: Interlace and Progressive

XDCAM HD422 products offer a wide choice of video formats for different frame rates and scanning modes. They include 59.94i, 50i, 29.97p, 25p, and 23.98p\*<sup>1</sup> in a resolution of 1920 x 1080, and 59.94p and 50p in 1280 x 720.

\*1: The PDW-700 requires the CBKZ-FC02 key. The PDW-HD1500 requires the PDBK-F1500 hardware key.

## A Variety of Selectable Recording Modes and Video Formats

In addition to high-quality MPEG HD422 50-Mbps mode, the XDCAM HD422 lineup can record and play back videos at different bit rates and in a variety of video formats. In terms of the common system frequency, clips recorded in different formats can be recorded on a single disc\*<sup>1</sup>.

\*1: When playing back across clips recorded in different recording formats, video and audio playback may stop and then restart at the point where formats change.

## High-quality Uncompressed Audio Recording

In addition to HD video recording, eight-channel high-quality audio is an equally significant feature in the XDCAM HD422 system. The PDW-F1600/HD1500 has eight audio channels (HD-SDI), while the PDW-F800/700 camcorder has four audio channels. Both can record 24-bit, 48 kHz uncompressed audio on each channel.

## Up/down- and Cross-conversion Capability

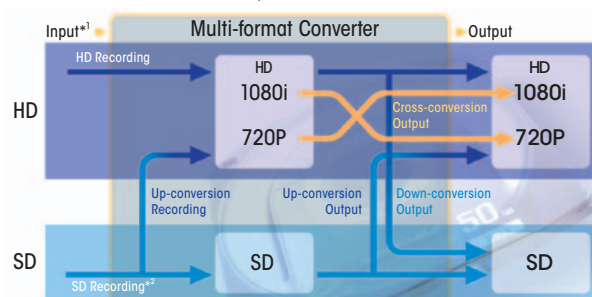
XDCAM HD422 products come equipped with powerful up/down- and cross-conversion systems, which provide great operational flexibility. Conversions can be done via HD-SDI input\*<sup>1</sup>/output, SD-SDI input\*<sup>2</sup>/output and composite input\*<sup>2</sup>/output.

\*1: The PDW-F800/700 requires an optional CBK-HD01 board.

\*2: The PDW-F800/700 requires an optional CBK-SC02 board.

\*1 \*2: The PMW-500 requires an optional CBK-HD02 board.

XDCAM HD422 Format Conversion Capability on PDW-F800/700/F1600/HD1500, and HR1



\*1: Optional boards are required for signal input: CBK-HD01 or CBK-SC02 (PDW-F800/700); CBK-HD02 (PMW-500). Please refer to P12: Pool-feed Operation.

\*2: Optional hardware keys are required: CBKZ-MD01 (PDW-700); PDBK-S1500 or PDBK-F1500 (PDW-HD1500); CBK-MD01 (PMW-500).

\*1 \*2: The PMW-500 can record the cross-converted or HD up-converted signal after it is processed at input stage. Yet, there is no cross-conversion nor HD up-conversion at output stage. The SD down-conversion is provided at output stage.

## XDCAM HD 422 Recording/Playback Specifications

Mode (Codec)	Number of Pixels	Bit Rate (Mbps)	Audio Bits	Audio Channels	Y/C Sampling	Frame Frequency	Recording Time (Unit: Minutes)		
							PFD23A 23.3 GB	PFD50DLA 50 GB	SxS-1 ** 64 GB
MPEG HD422 (MPEG-2 4:2:2P@HL)	1920 x 1080	50	24	8* <sup>3</sup>	4:2:2	59.94i, 50i, 29.97p, 25p, 23.98p* <sup>4</sup>	Approx. 43	Approx. 95	Approx. 120
	1280 x 720					59.94p, 50p, 29.97p* <sup>5</sup> , 25p* <sup>5</sup> , 23.98p (Pull-down)* <sup>7</sup>			
MPEG HD (MPEG-2 MP@HL)	1920 x 1080* <sup>6</sup>	35	16	4	4:2:0	59.94i, 50i, 29.97p, 25p, 23.98p* <sup>4</sup>	-	-	Approx. 200
				2* <sup>2+5</sup>			more than 65	more than 145	Approx. 180
				4			more than 68	more than 150	-
				2* <sup>2+5</sup>			Approx. 85	Approx. 190	Approx. 280
	1440 x 1080	25	16	4		59.94i, 50i, 29.97p, 25p, 23.98p* <sup>4</sup>	Approx. 90	Approx. 200	-
				2			more than 112	more than 248	-
				4			more than 122	more than 265	-
				2			more than 65	more than 145	Approx. 180
MPEG IMX* <sup>1</sup> (MPEG-2 4:2:2P@ML)	1280 x 720	35	16	4	4:2:2	59.94p, 50p, 29.97p* <sup>5</sup> , 25p* <sup>5</sup> , 23.98p (Pull-down)	Approx. 85	Approx. 190	-
				4			more than 65	more than 145	Approx. 180
				4			Approx. 85	Approx. 190	-
				4			Approx. 85	Approx. 190	-
	720 x 480 (NTSC)	25	16	4		59.94i, 50i, 29.97p* <sup>5</sup> , 25p* <sup>5</sup>	Approx. 45	Approx. 100	Approx. 120
				4			Approx. 55	Approx. 120	-
				4			Approx. 68	Approx. 150	-
				4			Approx. 85	Approx. 185	Approx. 220

\*1: Optional hardware keys are required: CBKZ-MD01 (PDW-700); PDBK-S1500 or PDBK-F1500 (PDW-HD1500); CBK-MD01 (PMW-500).

\*2: For the PDW-700/F800, playback is only available.

\*3: Up to four-channel with the PDW-F800/700 and PMW-500.

\*4: Optional hardware keys are required: CBKZ-FC02 (PDW-700); PDBK-F1500 (PDW-HD1500).

\*5: Only in the PDW-700/F800 (not available in the PMW-500).

\*6: Only in the PMW-500 (not available in the PDW-700/F800).

\*7: Pull-down recording is only in the PDW-700/F800. The PMW-500 has 23.98p recording.

\*8: The PMW-500 has two recording modes (UDF and FAT), and recording times may vary.

## Powerful Nonlinear Recording - Professional Disc Media



PFD128QLW

PFD50DLA

PFD23A

Media characteristics are critical to video production workflow. Sony's Professional Disc media are highly reliable yet cost effective, and specifically developed with utmost consideration for professional recording applications.

- PFD50DLA 50 GB disc and PFD23A 23 GB disc PFD128QLW\*<sup>1</sup> 128 GB disc (Write Once)
- Split-second random access
- No need to cue up when starting recording
- Long recording times: in MPEG HD422, up to 95 minutes (50 Mbps) with the PFD50DLA, up to 240 minutes (50 Mbps) with the PFD128QLW\*<sup>2</sup>
- Outstanding archival life
- No mechanical contact between disc and optical pickup - achieving high durability for rewriting
- Phase change recording - effective against erosion caused by ultraviolet rays
- Robust against any degradation caused by ultraviolet rays or ambient storage conditions
- Packaged in an extremely durable, dust-resistant and Easy-to-handle cartridge

### Professional Disc Specifications

	PFD128QLW	PFD50DLA	PFD23A
Dimension	5 1/8 x 5 1/4 x 3/8 inches (129 x 131 x 9 mm)		
Weight	3 oz (90 g)		
Media type	Write Once	Rewritable	
Capacity* <sup>3</sup>	128 GB	50 GB	23.3 GB
Transfer rate* <sup>4</sup> (with a single pickup)	max. 144 Mbps	max. 86 Mbps	
Read cycles	more than 1,000,000		
Rewrite cycles	1* <sup>5</sup>	more than 1,000	
Recording format	Phase-change recording		
Estimated archival life* <sup>6</sup>	50 years		

\*1: The PFD128QLW can only be used with the PDW-U2 and XDCAM Station Series (XDS-1000/PD1000/PD2000).

\*2: Recordable time may vary according to the total number of recorded files, and recording conditions.

\*3: A portion of the user data area will be used for data management. This total user area may vary.

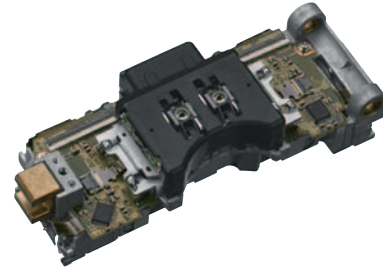
\*4: Transfer rate varies according to product and recording format.

\*5: Additional recording is supported prior to finalizing the disc.

\*6: Estimated from Sony's accelerated test.

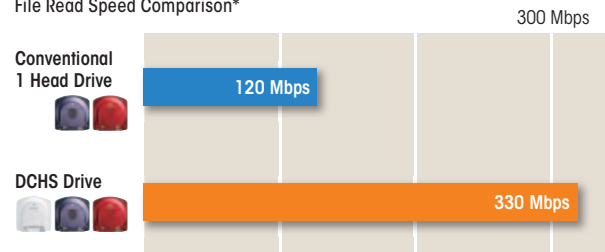
## Dual-channel Head System (DCHS) Drive

The PDW-U2 and XDCAM Station Series (XDS-1000/PD1000/PD2000) adopt the Dual-channel Head System (DCHS) for their Professional Disc drive. The DCHS drive is equipped with two optics on one head. This realizes higher transfer speeds in a more compact size and with lower power consumption compared with a drive with two optical heads.



High transfer speeds give a significant boost to ingest, edit, and archive workflows.

### File Read Speed Comparison\*



\* Drive performance.

## SxS Memory Cards Combine High Transfer Speeds and High Reliability

The PMW-500, XDCAM Station Series, and PDW-HR1/MK1 all accept the SxS memory card. These products can handle the same files as current Professional Disc products and XDCAM EX products.

Both SxS PRO™ and SxS-1™\*<sup>1</sup> memory cards use the PCI Express interface to achieve an extremely high data-transfer speed of 1.2 Gbps via SBS-64G1A/32G1A and 800 Mbps via the other SxS memory cards.

These cards can resist considerable shock (1500 G) and vibration (15 G). Also, a unique Salvage function serves to restore content damaged by power loss or memory disconnection during recording\*<sup>2</sup>.

\*1: SxS-1 memory cards support fewer re-writes than SxS PRO memory cards. Notification is given when an SxS-1 memory card approaches its end of life.

\*2: In some cases, images recorded just before an accident may not be restored (several seconds). No warranty is given on always achieving content restoration.



**SxS**

- Built-in audio speaker
- Low power consumption: 65 W (DC powered) and 55 W (in power save mode, DC powered)
- Tilt-up front panel



- A large easy-to-see 4.3-inch\*<sup>1</sup>-type color LCD display
- Trigger REC function (synchronized recording with compatible camcorders\*<sup>2</sup>)
- Video process control, by front panel operation or remote control panel via RS-422A
- Easy-to-use Jog/Shuttle dial
  - Jog: -1 to +1 times normal speed
  - Variable: -2 to +2 times normal speed
  - Shuttle: -20 to +20 times normal speed
  - Fast forward/rewind: -35/+35 times normal speed
  - A faster search mode can be used (approx. -50/50 times) in shuttle and fast forward/rewind
- Single Clip Playback for playout operation: allows users to play back just one selected clip
- Easy metadata input via USB keyboard\*<sup>3</sup> or software keyboard
- VANC (Vertical Ancillary) metadata recording and playback
  - Multiple VANC packets: handles nine packets per three lines (up to four packets in one line) and 18 packets per one frame
  - Closed-caption recording and playback via SDI input and output: SD (EIA-608), HD (EIA-708)
  - Closed-caption conversion recording: SD (EIA-608) closed-caption signals on SD-SDI input can be recorded as HD (EIA-708) closed captions
  - Optional PDBZ-UPG02 key expands functionality
- Disc Exchange Cache (up to 30 seconds)

- Clip Continuous REC function via RS-422A or HD-SDI using a Trigger REC function
- Optional accessories that enhance operational features:
  - PDBK-201 MPEG TS IN/OUT Board: allows users to input and output an HDV™ compatible stream in 1080i/720p format
  - PDBZ-UPG02 Software Upgrade Key
    - Expands functionality for closed-caption handling
    - User Bit Insert
  - PDBK-F1500\*<sup>4</sup> 24P Record and Playback Key: includes an SD (MPEG IMX/DVCAM) recording/playback capability
  - PDBK-S1500\*<sup>4</sup> (MPEG IMX/DVCAM) Recording and Playback Key

\*1: Viewable area measured diagonally.

\*2: PDW-F800/700, HDW-650 Series, HDW-790, and HDW-F900R camcorders.

\*3: Some keyboards cannot be used. Please refer to the supplied manual.

\*4: For the PDW-HD1500 only. The PDW-F1600 has this capability as standard.

## Inputs/Outputs

### PDW-F1600/HD1500 Inputs/Outputs

		PDW-F1600/HD1500
Signal input	SDI (HD/SD switchable)	BNC x 1
	Reference	BNC x 1
	Reference/Through	BNC x 1
	Analog Audio (Line)	XLR x 2
	Digital Audio, AES/EBU	BNC x 2, 4 Ch (2 Ch each, 1/2 Ch and 3/4 Ch)
	Time Code	BNC x 1
Signal output	HD-SDI	BNC x 1
	HD-SDI	BNC x 1 (Character On/Off)
	SD-SDI	BNC x 1
	SD-SDI	BNC x 1 (Character On/Off)
	SD Composite	BNC x 1
	SD Composite	BNC x 1 (Character On/Off)
	Analog Audio Line	XLR x 2
	Analog Audio Monitor	XLR x 2
	Digital Audio, AES/EBU	BNC x 2, 4 Ch (2 Ch each, 1/2 Ch and 3/4 Ch)
IT	Time Code	BNC x 1
	i.LINK	6-pin x 1* <sup>1</sup> , File Access Mode or HDV* <sup>2</sup> 1080i/720P
	Ethernet	1000Base-T/100Base-TX/10Base-T x 1
Others	Phones	Stereophone-jack x 1
	Remote	D-sub 9-pin x 1, RS-422A
	Video Control	D-sub 9-pin x 1, EIA RS-423
	USB	x 2 (for maintenance)
Power	AC IN	x 1
	DC IN	XLR x 1
	DC OUT (12 V)	4-pin x 1

\*1: An AV/C (DV) interface is NOT supported.

\*2: Requires an optional PDBK-201 board.

### PDW-F1600/HD1500 VANC Metadata (Closed Caption) Recording and Playback

Functions	Standard	PDBZ-UPG02
<b>E to E output and recording</b>		
HD-SDI (EIA708) input => HD-SDI output (EIA708)	●	●
HD-SDI (EIA708) input => SD-SDI output (EIA608)	-	●
HD-SDI (EIA708) input => HD recording (EIA708)	●	●
SD-SDI (EIA608) input => SD-SDI output (EIA608)	●	●
SD-SDI (EIA608) input => HD-SDI output (EIA708)	-	●
SD-SDI (EIA608) input => SD recording* <sup>1</sup> (EIA608)	●	●
SD-SDI (EIA608) input => HD recording (EIA708 with "wrapped EIA608")	●	●
<b>Playback</b>		
HD recording (EIA708) => HD-SDI output (EIA708)	●	●
HD recording (EIA708 with "wrapped EIA608") => HD-SDI output (EIA708)	●	●
HD recording (EIA708 with "wrapped EIA608") => SD-SDI output (EIA608)	-	●
SD recording* <sup>1</sup> (EIA608) => SD-SDI output (EIA608)	●	●
SD recording (EIA608) => HD-SDI output (EIA708)	-	●
HD cross conversion playback: 1080 (EIA-708) <=> 720 (EIA-708)	-	●

\*1: The PDW-HD1500 requires an optional PDBK-S1500 or PDBK-F1500 hardware key.



PDW-F1600/HD1500 Rear Panel

## PDW-F800/700 Camcorder Common Options



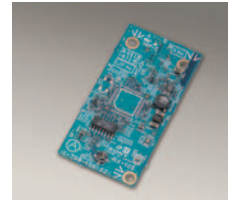
**CAC-12**  
Mic Holder



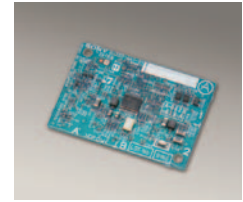
**LC-H300**  
Carrying Case (Hard)



**LC-DS300SFT**  
Carrying Case (Soft)



**CBK-HD01**  
HD/SD-SDI Input Board



**CBK-SC02**  
Analog Composite  
Input Board

## PDW-F1600/HD1500 Recording Deck and PDW-HR1 Field Station Common Options



**CBK-WA01**  
Wi-Fi Adapter



**BP-GL95A/GL95/L80S**  
Lithium-ion Battery Pack



**RM-280**  
Editing Controller  
(Ver 2.03 or later)

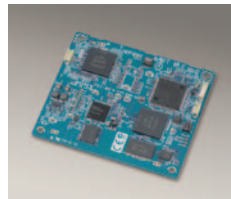


**RCC-5G**  
Remote Control Cable (5 m)

## PDW-F1600/HD1500 Recording Deck Common Options



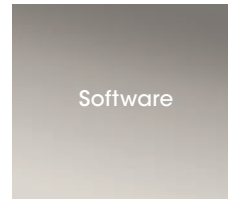
**BKP-L551**  
Lithium-ion Battery Adaptor



**PDBK-201**  
MPEG TS IN/OUT Board

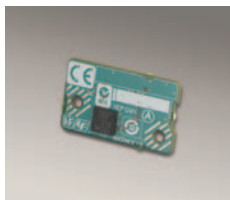


**HKDV-900**  
Video Control Unit  
(Ver 2.00 or later)

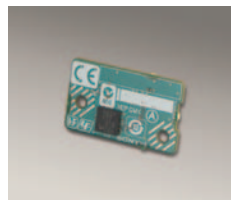


**PDBZ-UPG02**  
Software Upgrade Key

## PDW-HD1500 Recording Deck Options

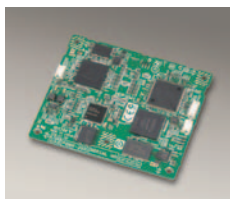


**PDBK-S1500**  
SD Record and  
Playback Key

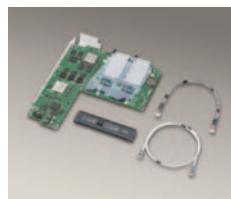


**PDBK-F1500**  
24P Record and  
Playback Key

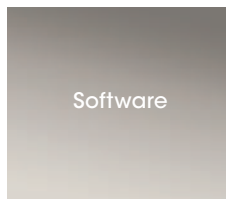
## PDW-HR1 Field Station Options



**PDBK-202**  
MPEG TS IN/OUT Board



**PDBK-MK1**  
SxS Memory Adaptor for HR1



**PDBZ-UPG03**  
Software Upgrade Key

## XDCAM HD422 Common Options



**LUMA Series**  
Professional LCD Monitor



**Vegas® Pro 10**



# XDCAM HD422 Deck and Field Station Specifications

	PDW-F1600	PDW-HD1500	PDW-HR1
General			
Power requirements	AC 100 V to 240 V, 50/60 Hz, DC 12 V		AC 100 V to 240 V, 50/60 Hz, DC +12 V, Battery
Power consumption	AC: 80 W, DC: 65 W, SAVEMODE (DC): 55 W		AC: 65 W, DC: 55 W
Operating temperature	+41°F to 104°F (5°C to 40°C)		32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to +140°F (-20°C to +60°C)		
Humidity	25% to 90% (relative humidity)		
Weight	14 lb 5 oz (6.5 kg)		16 lb 5 oz (7.4 kg)
Dimensions (W x H x D) (excluding protrusions)	8 3/8 x 5 1/4 x 15 5/8 inches (210 x 132 x 396 mm)		11 7/8 x 5 1/8 x 15 3/4 inches (300 x 129 x 400 mm)
Recording/Playback format (Video)	MPEG HD422 (CBR: 50 Mbps)		
	MPEG HD:		
	HQ mode (VBR, maximum bit rate: 35 Mbps),		
	SP mode (CBR, 25 Mbps),		
	LP mode (VBR, maximum bit rate: 18 Mbps) (playback only),		
Recording/Playback format (Audio)	MPEG IMX*1 (CBR, 50/40/30 Mbps)		
	DVCAM*1 (CBR, 25 Mbps)		
	MPEG HD422: 8 ch/24 bits/48 kHz		
	MPEG HD: 4 ch/16 bits/48 kHz		
	MPEG IMX*1: 4 ch/24 bits/48 kHz or 8 ch/16 bits/48 kHz		
DVCAM*1: 4 ch/16 bits/48 kHz			
Recording/Playback format (Proxy Video)	MPEG-4		
Recording/Playback format (Proxy Audio)	A-law (8 ch/8 bits/8 kHz)		
Recording/Playback time (MPEG HD422)	50 Mbps: Approx. 95 min (PFD50DLA), Approx. 43 min (PFD23A)		
Recording/Playback time (MPEG HD)	35 Mbps, 4-ch audio: More than 145 min (PFD50DLA), More than 65 min (PFD23A)		
	35 Mbps, 2-ch audio (playback only): More than 150 min (PFD50DLA), More than 68 min (PFD23A)		
	25 Mbps, 4-ch audio: Approx. 190 min (PFD50DLA), Approx. 85 min (PFD23A)		
	25 Mbps, 2-ch audio (playback only): Approx. 200 min (PFD50DLA), Approx. 90 min (PFD23A)		
	18 Mbps, 4-ch audio (playback only): More than 248 min (PFD50DLA), More than 112 min (PFD23A)		
Recording/Playback time (MPEG IMX)	18 Mbps, 2-ch audio (playback only): More than 265 min (PFD50DLA), More than 122 min (PFD23A)		
	50 Mbps*1: Approx. 100 min (PFD50DLA), Approx. 45 min (PFD23A)		
	40 Mbps*1: Approx. 120 min (PFD50DLA), Approx. 55 min (PFD23A)		
	30 Mbps*1: Approx. 150 min (PFD50DLA), Approx. 68 min (PFD23A)		
	25 Mbps*1: Approx. 185 min (PFD50DLA), Approx. 85 min (PFD23A)		
Recording/Playback time (DVCAM)			
Search speed range (Shuttle mode)	-20 times to +20 times normal speed		
Search speed range (Variable mode)	-2 times to +2 times normal speed		-1 time to +1 time normal speed
Search speed range (Jog mode)	-1 time to +1 time normal speed		-1 time to +1 time normal speed
Search speed range (FFwd/Rev)	-35/+35 times normal speed		-20/+20 times normal speed
Inputs/Outputs			
Reference input	BNC (x2) (including loop-through), HD Tri-level sync (0.6 Vp-p/75 Ω/negative) or SD blackburst/composite sync (0.286 Vp-p/75 Ω/negative)		
Analog composite input	-		BNC (x1), 1.0 Vp-p/75 Ω/negative, SMPTE 170M
HD-SDI input	BNC (x1), (HD/SD switchable)		
	HD-SDI: SMPTE 292M (w/embedded audio)		
	SD-SDI: SMPTE 259M (w/embedded audio)		
Analog audio input	XLR-type 3-pin (female) (x2) (channel selectable), +4/0/-3/-6 dBu (selectable), 10 kΩ, balanced		XLR-type 3-pin (female) (x4) (channel selectable), +4/0/-3/-6 dBu (selectable), 10 kΩ, balanced CH1 and CH2: switchable phantom powered mic input
Digital audio input (AES/EBU)	BNC (x2), 4 ch (2 ch each, 1/2 ch and 3/4 ch), AES-3id-1995		-
Time code input	BNC (x1), SMPTE time code, 0.5 Vp-p to 18 Vp-p/3.3 kΩ/unbalanced		
Analog composite output	BNC (x2),		
	1: 1.0 Vp-p/75 Ω/negative, SMPTE 170M 2: 1.0 Vp-p/75 Ω/negative, SMPTE 170M, character On/Off		
HD-SDI output	BNC (x2),		
	1: SMPTE 292M (w/embedded audio) 2: SMPTE 292M (w/embedded audio), character On/Off		
SD-SDI output	BNC (x2),		
	1: SMPTE 259M (w/embedded audio) 2: SMPTE 259M (w/embedded audio), character On/Off		
HDMI	-		(x1), output
Analog audio output	XLR-type 3-pin (male) (x2) (channel selectable), +4/0/-3/-6 dBu (selectable), 600 Ω, Lo-z, balanced		XLR-type 3-pin (male) (x4) (channel selectable), +4/0/-3/-6 dBu (selectable), 600 Ω, Lo-z, balanced CH3 and CH4: switchable analog audio monitor
Analog audio monitor	XLR-type 3-pin (male) (x2), +4 dBu, 600 Ω, Lo-Z, balanced		-
Digital audio output (AES/EBU)	BNC (x2), 4 ch (2 ch each, 1/2 ch and 3/4 ch), AES-3id-1995		-
Headphone output	JM-60 Stereo phone jack (x1), -13 dBu, 8 Ω, unbalanced		
Time code output	BNC (x1), SMPTE time code, 1.0 Vp-p/75 Ω/unbalanced		
Video control	D-sub 9-pin (female) (x1), EIA RS-423		-
i.LINK	IEEE 1394*2 6-pin (x1), File Access Mode, (Option: PDBK-201) HDV 1080i/720p IN/OUT		IEEE 1394*2 6-pin (x2), 1: File Access Mode, 2: (Option: PDBK-202) HDV 1080i/720p IN/OUT
Ethernet	RJ-45 (x1), 1000BASE-T: IEEE 802.3ab, 100BASE-TX: IEEE 802.3u, 10BASE-T: IEEE 802.3		
Remote (9P) input	D-sub 9-pin (female) (x1), RS-422A		-
Remote (9P) input/output	-		D-sub 9-pin (female) (x1), RS-422A
DC input (12 V)	XLR-type 4-pin (male) (x1)		
DC output (12 V)	4-pin (female) (x1), DC 12 V, 7.5 W		
Maintenance	USB (x2)		
AC input	(x1), 100 V to 240 V, 50/60Hz		
Video Performance			
Sampling frequency	Y: 74.25 MHz, Pb/Pr: 37.125MHz		
Quantization	8 bits/sample		
Error correction	Reed Solomon Code		
Processor Adjustment Range			
Video level	∞ to +3 dB		
Chroma level	∞ to +3 dB		
Set up/black level	± 30 IRE/±210 mV		
Chroma phase	±30°		
System sync phase	±15 μs		
System sync phase (fine)	0 ns to 400 ns		
System SC phase	0 ns to 400 ns		
Audio Performance			
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 1 kHz)		
Headroom	20/18/16/12 dB (selectable)		
Others			
Built-in display	4.3-inch*3 type color LCD monitor		9-inch*3 type color LCD monitor
Built-in speaker	(x1), monaural		(x2), L/R
Supplied Accessories			
	Operation manual (x1), Installation manual (x1), XDCAM Application Software CD-ROM (x1)		

\*1: The PDW-HD1500 requires an optional PDBK-S1500 or PDBK-F1500 hardware key.

\*2: An A/V (DV) interface is NOT supported.

\*3: Viewable area measured diagonally.