

SONY®



XDCAM HD Camcorder

PDW-700

XDCAM HD Deck

PDW-HD1500

Preliminary

Setting a New Benchmark: The XDCAM Family Expands

Since its introduction in 2003, the Sony XDCAM™ series – an optical disc-based acquisition system – has been offering tremendous benefits of revolutionary file-based operations to production workflows for many types of video productions. The XDCAM series comprises a standard-definition (SD) lineup with 2/3-inch CCD camcorders and decks, plus a high-definition (HD) lineup with 1/2-inch CCD camcorders and decks. Now, Sony is further expanding the XDCAM series by introducing two new HD products – the PDW-700 2/3-inch CCD camcorder and the PDW-HD1500 recording deck.

The PDW-700 and PDW-HD1500 premium products offer striking-quality HD recording at a data rate of up to 50 Mb/s using the MPEG-2 4:2:2P@HL compression technology, "MPEG HD422". They also provide multi-format recording flexibility including 1080i, 720P, and SD, which comes with HD/SD conversion and cross conversion between 1080i and 720P.

The PDW-700 camcorder is equipped with three 2/3-inch type CCDs – a newly developed "Power HAD™ FX" progressive CCD with 1920 x 1080 effective pixels. Stunning-quality HD images can be captured by this high-resolution CCD in conjunction with the 14-bit A/D converter and advanced digital signal processing incorporated in the PDW-700.

The PDW-HD1500 is a half-rack-wide recording deck equipped with a range of interfaces including HD-SDI, SD-SDI, i.LINK™, and Ethernet. This is ideal for both video-based installations and file-based nonlinear operations.

With fast file-based operations and superb picture quality, the PDW-700 camcorder and PDW-HD1500 deck will be invaluable tools for applications such as news gathering where speed is a key concern, production for TV dramas, documentaries, and mainstream entertainment programs where a high-quality look is crucial.

XDCAM HD
Professional Disc System


Professional Disc™
DL

MPEG HD422

Common Features

- HD recording at up to 50 Mb/s using MPEG HD422 (an MPEG-2 4:2:2P@HL compression technology)
- Support for existing XDCAM HD and XDCAM SD formats
- 1080i and 720P recording
- Dual-layer disc (50 GB, PFD50DLA) and single-layer disc (23.3 GB, PFD23A) support
- Long recording time (at 50 Mb/s)
 - Approximately 95 minutes on dual-layer disc and 43 minutes on single-layer disc
- Thumbnail operation
- Proxy data and metadata recording
- 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

PDW-700 XDCAM HD Camcorder Features

- Three 2/3-inch type Power HAD FX CCDs, **Power HAD_{TM}FX** each with 1920 x 1080 effective pixels
- High-quality four-channel audio recording
- 3.5-inch type* color LCD display
- Compact and lightweight at 9 lb 4 oz (4.2 kg) (without viewfinder, lens, microphone, and battery)
- Dual HD/SD-SDI outputs and composite/HD-Y output
- Pool-feed input (HD/SD-SDI and composite) option
- Ethernet interface
- i.LINK interface
- Compatible with the new DWR-S01D digital wireless microphone receiver**, which can be directly mounted in the camcorder's slot

*Viewable area measured diagonally.

**This product may not be available in some areas.



PDW-HD1500 XDCAM HD Deck Features

- High-quality eight-channel audio recording
- Dual optical pick-up for higher-speed file transfer
- 4.3-inch type* color LCD display
- VTR-like jog/shuttle operation
- Video control (via front panel and remote)
- Compact and lightweight at 13 lb 14 oz (6.3 kg) in a half-rack width
- AC, DC, or battery powered
- Ethernet interface
- i.LINK interface

*Viewable area measured diagonally.



SONY

Sony Electronics Inc.
1 Sony Drive
Park Ridge, NJ 07656
www.sony.com/XDCAM

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