

PDW-700

XDCAM HD Camcorder

PDW-HD1500

XDCAM HD Deck



SONY

Setting a New Benchmark: The XDCAM Family Expands

Since its introduction in 2003, the Sony XDCAM™ series - an optical Professional Disc-based acquisition and production system - has been offering the revolutionary benefits of file-based operation to video professionals around the world. The XDCAM series comprises a standard-definition (SD) line-up with 2/3-inch CCD camcorders and decks, and 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 camcorder and the PDW-HD1500 recording deck.

The PDW-700 and PDW-HD1500 sit at the top of the range in the XDCAM family. They offer stunning quality HD recording at a data rate of up to 50 Mb/s using MPEG-2 4:2:2P@HL compression, "MPEG HD422". Both models provide multi-format recording including 1080i, 720P, and SD, and can convert between HD and SD and between 1080i and 720P.

The PDW-700 camcorder is equipped with three 2/3-inch CCDs - using newly developed "Power HAD™ FX" progressive CCD technology with 1920 x 1080 effective pixels. Breathtaking HD images can be captured by these high-resolution CCDs and the 14-bit A/D conversion and advanced digital signal processing incorporated into the PDW-700.

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

The superb picture quality of the PDW-700 and PDW-HD1500 will increase the appeal of Professional Disc for applications such as documentary, European TV drama and mainstream entertainment programmes that require a high quality look. File-based acquisition, with thumbnail and proxy operation is also ideal for fast-turnaround news and live applications where speed of production is a critical requirement.

XDCAM HD
Professional Disc System



MPEG HD422

Preliminary



PDW-700 XDCAM HD Camcorder Features

- > Three 2/3-inch Power HAD FX **Power HAD FX** CCDs, each with 1920 x 1080 effective pixels
- > High-quality four-channel audio recording
- > 3.5-inch type* colour LCD display
- > Compact and lightweight at 4.2 kg (9 lb 4 oz) (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 (100Base-T)
- > i.LINK interface
- > Compatible with the new DWR-S01D digital wireless microphone receiver**, which can be directly installed into the camcorder body

*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* colour LCD display
- > VTR-like jog/shuttle operation
- > Video control (via front panel and remote)
- > Compact and lightweight at 6.3 kg (13 lb 14 oz) in a half-rack width chassis
- > AC, DC, or battery powered
- > Ethernet interface (1000Base-T)
- > i.LINK interface

*Viewable area measured diagonally.

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 Professional Disc (50 GB, PFD50DLA) and Single Layer Professional Disc (23.3 GB, PFD23A) support
- > Long recording time (at 50 Mb/s)
 - Approximately 95 minutes onto a Dual Layer Professional Disc and 43 minutes onto a Single Layer Professional 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

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