

HVR-1500

Digital HD Videocassette Recorder
Preliminary

SONY®

HDV™

Bringing a New Level of Functionality and Robustness to HDV Productions – the HVR-1500 HDV Recorder

The HVR-1500 is an HDV™ source feeder/recorder*¹ positioned at the top of the Sony HDV Series.

Inheriting the design concept of the market-acclaimed DSR-1500A, the HVR-1500 offers convenient features that professional users demand, such as quick mechanical response, multi-format DV playback, and a rich set of professional video/audio interfaces ranging from analog to digital SDI and AES/EBU. The HVR-1500 also offers HD-SDI output and RS-422A control capabilities, bridging HDV source footage and assets with high-end HD formats and HD editing equipment.

The HVR-1500 can also be used as a standard definition DVCAM™ recorder, in which case the same editing features as the DSR-1500A are offered.

The HVR-1500 is certainly the HDV recorder of choice for environments where robustness and functionality are prime concerns.



Simulated Image

MAIN FEATURES

Switchable Recording and Playback

The HVR-1500 offers recording and playback of various 60i/50i DV formats:

Recording Formats

- HDV 1080i, DVCAM, DV (SP mode)

Playback Formats

- HDV 1080i, DVCAM, DV (SP mode), DVCPRO™ 25

The recording time is a long 276 minutes for the HDV 1080i and DV formats, and 184 minutes for the DVCAM format using the PHDV-276DM DigitalMaster™ standard cassette tape.

A Full Range of Professional Interfaces

The HVR-1500 is a very versatile unit equipped with a variety of interfaces from analog to digital:

Standard Interfaces

- i.LINK™*² interface 6-pin (HDV 1080i/DV switchable)
- Analog video/audio output for HD/SD component, SD composite, S-Video
- HD-SDI output, SD-SDI input/output (both with embedded TC and audio)

Optional Interfaces

- Analog video/audio input for SD component, SD composite, S-Video

Optional Boards

- Analog Input Board HVBK-1505 (SD component, SD composite, S-Video, analog audio input)

Down Conversion Capability

The HVR-1500's HDV 1080i playback signal can be down-converted to 480i and output from the i.LINK, SD-SDI, and analog video interfaces with display modes selectable between Squeeze and Edge Crop.

RS-422A Control

2.7-inch (Viewable area, measured diagonally) LCD Monitor for Material Review and VTR Parameter Adjustment

Auto Repeat Function

HD and SD Reference Inputs

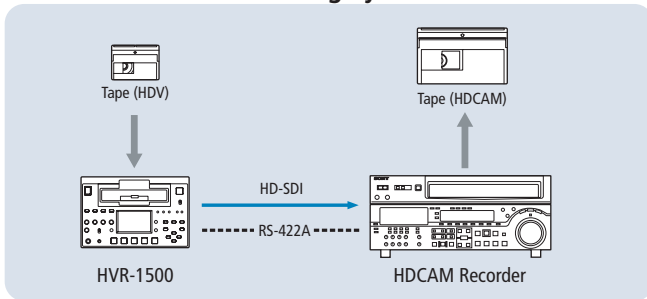
Reliable Operation With Tape/Head Cleaners, Robust Aluminum Diecast, and Direct Drive Reel Motors

*¹ In HDV mode, editing capabilities are not available.

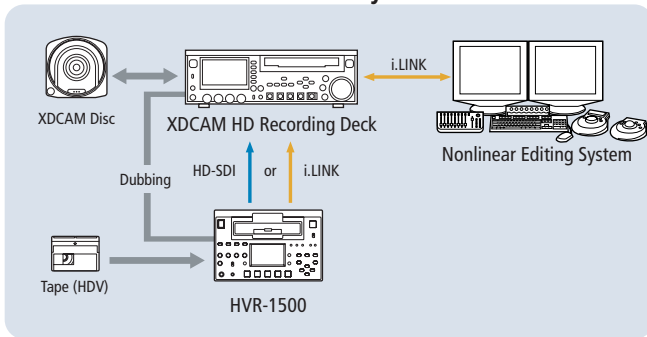
*² i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. Not all products with an i.LINK connector will necessarily communicate with each other. For information on compatibility, operating conditions, and proper connection, please refer to the documentation supplied with any device with an i.LINK connector. For information on devices that include an i.LINK connection, please contact your nearest Sony office.

APPLICATION EXAMPLES

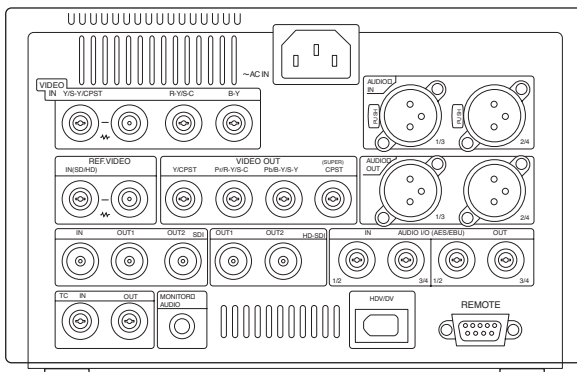
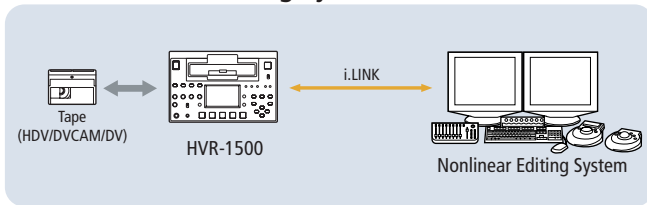
HDV/HDCAM™ Linear Editing System



HDV/XDCAM™ HD Production System



HD/SD Nonlinear Editing System



Rear Panel of the HVR-1500 (with the optional HVBK-1505 analog input board)

SPECIFICATIONS

| | | HVR-1500 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Recording/Playback Performance | | |
| Recording format | 1080/60i, 1080/50i, 480/60i (NTSC), 576/50i (PAL) | |
| Playback & down conversion format | 1080/60i, 1080/50i, 480/60i (NTSC), 576/50i (PAL) | |
| Tape speed | HDV/DV SP | 18.831 mm/s (at system frequency 50Hz) 18.812 mm/s (at system frequency 59.94Hz) |
| | DVCAM | 28.221 mm/s (at system frequency 50Hz) 28.193 mm/s (at system frequency 59.94Hz) |
| | | |
| Playback/recording time | HDV/DV SP | Max. 276 min with PHDV-276DM cassette Max. 63 min with PHDVM-63DM cassette |
| | DVCAM | Max. 184 min with PDV-184ME cassette Max. 40 min with PDVM-40ME cassette |
| | | |
| Fast forward/rewind time | Approx. 3 min with PHDV-276DM, PDV-184ME cassette | |
| Video Input | | |
| Analog video | Ref. video (SD/HD) | BNC x1, BNC x1 loop-through |
| | Video ¹¹ | BNC x4 ¹³ (Component /Composite with loop-through/S-Video BNC x2) |
| Digital video | SD-SDI BNC x1 | |
| Audio Input | | |
| Analog audio ¹¹ | Audio XLR 3-pin female x2 | |
| Digital audio | AES/EBU BNC x2 | |
| Video Output | | |
| Analog video | Component BNC x3 (SD/HD)/ Composite BNC x1/S-Video BNC x2 ¹³ Composite with Superimpose BNC x1 | |
| | Digital video | SD-SDI BNC x2 HD-SDI BNC x2 |
| | | |
| Audio Output | | |
| Analog audio | Audio XLR 3-pin male x2 Monitor RCA pin x1 Headphones JM-60 jack x1 | |
| | Digital audio | AES/EBU BNC x2 |
| | | |
| i.LINK[®] Interface | | |
| | i.LINK 6-pin x1 | |
| Time Code Input/Output | | |
| TC In | BNC x1 | |
| TC Out | BNC x1 | |
| Remote | | |
| | RS-422A x1, Control-S (SIRCS) x1 | |
| General | | |
| Weight | Approx. 14 lb 8 oz (6.6 kg) | |
| Dimension (W x H x D) | 8 3/8 x 5 1/8 x 16 5/8 inches (211(W) x 130 (H) x 420 (D) mm) | |
| Power requirement | AC 100 V to 240 V, 50/60 Hz | |
| Power consumption | Approx. 60 W | |
| Supplied Accessories | | |
| | Operating instructions, AC cable | |
| Optional Accessory | | |
| | HVBK-1505 Analog Input Board | |

¹¹ The HVBK-1505 Analog Input Board is required.

¹² DV and HDV streams share the same i.LINK connector.

¹³ Selected via the menu.

SONY

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