

SONY®

Preliminary

Digital HD Videocassette Recorder

HVR-1500

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 the same 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.



HDV™

HDV 1080i

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

Optional Interfaces

- Analog video/audio input for SD component, SD composite, S-Video
- HD-SDI output, SD-SDI input/output (both with embedded TC and audio)

Optional Boards

- HD Digital Interface Board HVBK-1510 (HD-SDI output, SD-SDI input/output, AES/EBU input/output)
- SD Digital Interface Board HVBK-1501 (SD-SDI input/output, AES/EBU input/output)
- 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*³ 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

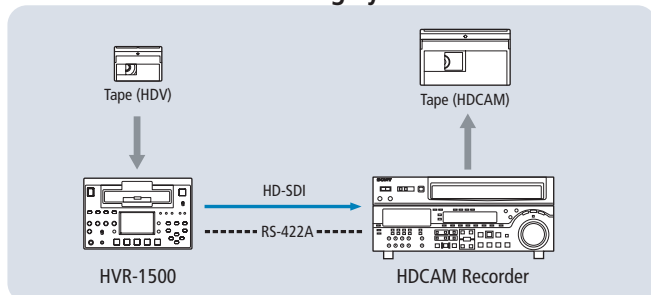
*¹ In HDV mode, editing capabilities are not available.

*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.

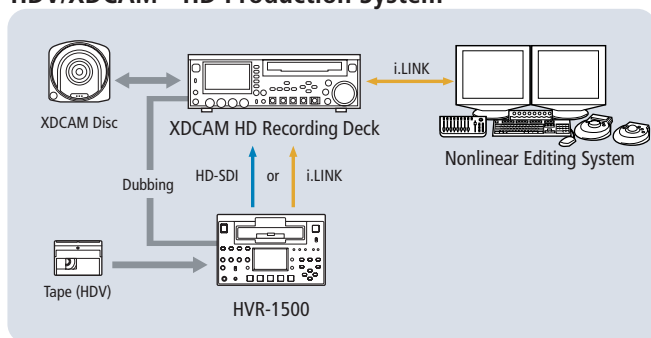
*³ Viewable area, measured diagonally.

APPLICATION EXAMPLES

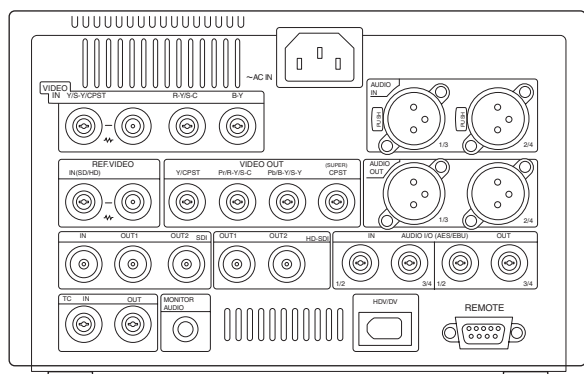
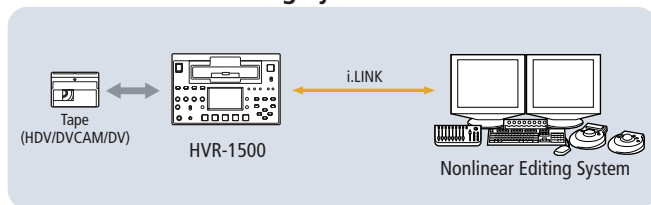
HDV/HDCAM™ Linear Editing System



HDV/XDCAM™ HD Production System



HD/SD Nonlinear Editing System



Rear Panel of the HVR-1500 (with the optional HVBK-1510 and HVBK-1505 boards)

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 ¹⁴ (Component /Composite with loop-through/S-Video BNC x2)
Digital video ¹²		SD-SDI BNC x1
Audio Input		
Analog audio ¹¹		Audio XLR 3-pin female x2
Digital audio ¹²		AES/EBU BNC x2
Video Output		
Analog video		Component BNC x3 (SD/HD)/ Composite BNC x1/S-Video BNC x2 ¹⁴
		Composite with Superimpose BNC x1
Digital video	SD-SDI BNC x2 ¹²	
	HD-SDI BNC x2 ¹⁵	
Audio Output		
Analog audio		Audio XLR 3-pin male x2
		Monitor RCA pin x1
		Headphones JM-60 jack x1
Digital audio ¹²		AES/EBU BNC x2
i.LINK ¹³		
		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		
Mass		Approx. 6.6 kg (14 lb 8 oz)
Dimension (W x H x D)		211(W) x 130 (H) x 420 (D) mm (8 3/8 x 5 1/8 x 16 5/8 inches)
Power requirement		AC 100 V to 240 V, 50/60 Hz
Power consumption		Approx. 60 W
Supplied Accessories		
		Operating instructions, AC cable

¹¹ The HVBK-1505 Analog Input Board is required.

¹² The HVBK-1501 SD Digital Interface Board or HVBK-1510 HD Digital Interface Board is required.

¹³ DV and HDV streams share the same i.LINK connector.

¹⁴ Selected via the menu.

¹⁵ The HVBK-1510 HD Digital Interface Board is required.

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