SONY

J-H3

HDCAM compact player with multiple interfaces, including i.Link and HD-SDI

Overview

To reduce the size and cost of HDCAM off line editing

This machine is the first in a line-up to improve the flexibility, and seriously reduce the cost, of transferring your HDCAM rushes to your on line suite.

This is achieved by a unique combination of small size (same as J series) combined with every useful connection from downconverted SDI, analogue standard definition to i-Link.

A downconverter is included as standard, and it can handle both large and small HDCAM cassettes at 24PsF, 25PsF or 29.97PsF. 24PsF recorded tapes can also be played back at 25P with time code conversion.

- **Compact and cost effective HDCAM tape playback**

  Despite the compact body design, both small and large HDCAM cassettes are handled in a most cost effective viewer and off line feeder with every interface needed.

- **Wireless remote**

  Simple FF/REW/PLAY/STOP/EJECT/SEARCH are supported. Search is ± 5 times.

- **Audio monitoring**

  This is conveniently by both XLR and RCA phono jacks, as well as a headphone jack. Either tracks 1 and 2, or 3 and 4 can be monitored. The HDSDI and SDI have embedded audio and VITC

- **i-Link interface**

  Total plug and play functionality to any 1394 equipped PC.

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Features

- **Multiple interfaces**

  The J-H3 has an HDSDI output as well as analogue Y Pb Pr connectors. The built in downconverter supplies SDI and composite outputs, while the XGA computer output feeds a standard PC monitor. The downconverted signal is also provided as as i-Link (IEEE 1394) interface for a DV feed with audio, timecode and remote control of the J-H3

- **i.Link interface**

  (Requires optional HKJ-101 i.Link interface board). DV based off-line editing has become an industry norm. In order to bridge the gap between HDCAM tapes and DV, the J-H3 can be equipped with an i.Link connector by installing the HKJ-101 i.Link interface board.

  DV video (525/625 depending on SDTV output), audio (2ch or 4ch), timecode, and machine control can be communicated between the J-H3 and a non-linear editor via a single IEEE1394 connection.

  Note that machine control is effective for material capturing purposes only, and frame accurate editing is not supported. Tape-to-tape editing between an external VTR is not supported. Crash-recording via i.Link is possible.

- **Standard computer monitor interface**

  The J-H3 has an XGA computer output (regular mini 15 pin D-type), so you can display RGB pictures at 1024 x 577 pixels (that is, letterboxed from the native 1024 x 768) on virtually any computer screen or projector. Timecode and safe area markers can be superimposed.

- **System frequency**

  The J-H3 supports 24P, 25P (50i) and 29.97P (59.94i) frequencies. Original 24P tapes can also be played back at 25P with time code conversion and sound (pitch is 4% higher). Both the original 24P and the converted 25P timecode can be superimposed on the outputs. In addition there is a 23.98 PsF playback mode that has a 3:2 pulldown engine to provide 59.94i output (in 1080 and 525)

- **Off line editior connections**

  In addition to analogue and digital interfaces, the J-H3 also adds features necessary for frame accurate downloading. Included are a reference input (HD and SD), LTC time code output and an RS-422 connector for locking to an external recorder or non linear editor for straight playout applications.

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Technical Specifications

General

●	Power Requirements	AC 100 V to 240 V, 50/60 Hz
●	Power Consumption	60 W
●	Operating Temperature	5°C to 40°C 41°F to 104°F
●	Storage Temperature	'-20°C to +60°C -4°F to +140°F
●	Humidity	25% to 80% (relative humidity)
●	Mass	7.5 kg 16 lb 9 oz
●	Dimensions (W x H x D) *[1]	307 x 100 x 397 mm (excluding protrusions) 12 1/8 x 4 x 15 3/4 inches (excluding protrusions)
●	Tape Speed	HDCAM: 96.7 mm/s (59.94i/29.97PsF), 80.6 mm/s (50i/25PsF), 77.4 mm/s (24PsF/23.98PsF)
●	Recording/Playback Time	HDCAM: 50 min (24PsF/23.98PsF, with BCT-40HD cassette) 48 min (50i/25PsF, with BCT-40HD cassette) 40 min (59.94i/29.97PsF, with BCT-40HD cassette) 155 min (24PsF/23.98PsF, with BCT-124HDL cassette) 149 min (50i/25PsF, with BCT-124HDL cassette) 124 min (59.94i/29.97PsF, with BCT-124HDL cassette)
●	Fast Forward/Rewind Time	HDCAM: Approx. 5 min with BCT-124HDL cassette
●	Search Speed Range (Shuttle Mode)	HDCAM: -21 times to +21 times normal speed playback
●	Search Speed Range (Jog Mode)	-1 time to +1 time normal speed playback
●	Servo Lock Time	1 sec or less (from standby on)
●	Load/Unload Time	7 sec or less (both L and S cassette)

Input/Output

●	Reference Input	Tri-level sync, 0.6 Vp-p, 75 Ω, sync negative or black burst BNC (x2), (with a loop-through)
●	HD-SDI Output	BNC (x1) (SMPTE 292M including one character out)
●	SD-SDI Output	BNC (x1) (SMPTE 259M including one character out)
●	Analog Composite Output	Pin jack (x1) BNC (x1) 1.0 Vp-p, 75 Ω
●	Analog Component Output	Y: 1.0 Vp-p, sync negative, R-Y/B-Y: 0.7 Vp-p, 75 Ω BNC (x3) for 1 set, including one character out
●	i.LINK Output	DV (Option: HKJ-101) IEEE 1394 6-pin (x1)
●	D3 Output	EIAJ RC-5237 connector (x1) EIAJ CP-4120 standard
●	Monitor	XGA (1024 x 768 dots), RGB, 0.7 V D-sub 15-pin (x1)
●	Timecode Output	BNC (x1) 1.0 Vp-p, 75 Ω
●	Analog Audio Monitor	XLR-type 3-pin (male), (x2) Pin jack (x2) -10 dBu at 47 kΩ load, unbalanced +4 dBm at 600 Ω load, low impedance, balanced
●	Headphones	JM-60 stereo phone jack -∞ dBu to -12 dBu at 8 Ω load, unbalanced

● Remote Input	RS-422A D-sub 9-pin (female) (x1)
● RS-232C	D-sub 9-pin (male) (x1)
● AC Input	(x1), 100 V to 240 V, 50/60Hz

Supplied Accessories

● Supplied Accessories	Vertical installation stands (2) Remote commander RM-J1 with CR2025 lithium battery (1) Operation manual (1) CD-ROM manual (1)

Notes

● Note	*[1] The values for dimensions are approximate.

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