



HD VTR

## AJ-HD1400

Multi-Format HD VTR with Editing

### Key Features

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720/1080 video format cross conversion

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IEEE 1394 and HD-SDI digital input/output

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Gamma conversion of F.REC cine-gamma sources.



## AJ-HD1400

<https://eu.connect.panasonic.com/fr/en/products/broadcast-proav/aj-hd1400>

<b>Power Supply</b>	AC (100-240) V ±10%, 50 to 60 Hz
<b>Power Consumption</b>	AC*: 85 W, DC: 64 W
<b>Operating Temperature</b>	41 °F to 104 °F (5 °C to 40 °C)
<b>Operating Humidity</b>	10 % to 85 % (non dew)
<b>Weight:</b>	18.74 lbs (8.5 kg)
<b>Dimensions (W x H x D)</b>	8-1/2" x 5-3/16" x 17-7/16" (214 x 132 x 442 mm)
<b>Recording Format</b>	DVCPRO HD-LP
<b>Sampling Frequency</b>	48 kHz
<b>Quantization</b>	16 bits
<b>Compression Method</b>	DCT + Adaptive quantization
<b>Frequency Response</b>	20 Hz to 20 kHz, ±1.0 dB (reference level)
<b>Dynamic Range</b>	More than 85 dB (1 kHz, emphasis off, "A" weighted)
<b>Cross Talk</b>	Less than -80 dB (1 kHz, between any 2 ch)
<b>Headroom</b>	20 dB (AJ-HD1400P) 18 dB (AJ-HD1400E)
<b>Recording Video Signal</b>	1080i/59.94Hz, 1080i/50Hz, 720p/59.94Hz, 720p/50Hz, and 720p/60Hz (Varicam) switchable
<b>Recording Track</b>	Video: 1080 i/ 720 p Audio: 8 channels TC: Subcode area Cue: 1 longitudinal track CTL: 1 longitudinal track
<b>Tape Speed</b>	67.64 mm/s
<b>REC/Play Time</b>	Max. 64 minutes
<b>Tape</b>	1/4" metal particle
<b>FF/REW Time</b>	Approximately 90 seconds with AJ-HP64ELG
<b>Compression Ratio</b>	1/6.7
<b>Error Correction</b>	Reed Solomon Product Code
<b>Bit Rate</b>	100 Mbps
<b>Channel</b>	8 channels
<b>Distortion</b>	within 0.1 % (1 kHz, emphasis off, reference level)
<b>Wow &amp; Flutter</b>	Below measurable limit
<b>Recording Audio Signal</b>	48 kHz, 16 bit, 8 CH
<b>HD SDI In</b>	BNC x 1, (CH1 to CH8) SMPTE 299M embedded audio
<b>HD Reference In</b>	BNC x 2 (loop-through), 75Ω auto (tri level sync) SD (B.B.) auto switching
<b>HD SDI Out</b>	BNC x 2, (CH1 to CH8) SMPTE 299M embedded audio
<b>HD Component Out</b>	BNC x 3 (Y/Pb/Pr), superimpose on/off
<b>SD Composite Out</b>	BNC x 2 (Y connector), superimpose on/off (VIDEO 2)
<b>Analog In</b>	XLR x 2 (CH1/CH2), +4/0/-20/-60 dBu switchable, 600 Ω/high-impedance switchable
<b>Analog Out</b>	XLR x 2 (CH1/CH2), +4/0/-20 dBu switchable, low-impedance
<b>Monitor Out</b>	XLR x 2, +4/0/-20 dBu switchable, low-impedance Phono x 2, -8dBV
<b>Phones Out</b>	M3, variable level control, 8Ω
<b>DVCPRO/DV In/Out</b>	6-pin x 1, transfer rate selectable; 400/200/100 Mbps IEEE 1394-1995, IEC61883-Part 1, Part 2
<b>Timecode In</b>	BNC x 1, 0.5 to 8.0 Vp-p, 10kΩ
<b>Timecode Out</b>	BNC x 1, low-impedance, 2.0 ±0.5 Vp-p
<b>Remote In</b>	D-sub 9 pin, RS-422A Interface
<b>Encoder Remote</b>	D-sub 15 pin
<b>DC In</b>	4 pin x 1, DC12V
<b>DC Out</b>	DC12V, 250mA, for AJ-A95
<b>SD SDI Out</b>	BNC x 1, superimpose on/off, SMPTE 259M-C/272M-A ITU-R BT.656-4