



HD VTR

AJ-HD1400

Multi-Format HD VTR with Editing

Key Features

720/1080 video format cross conversion

IEEE 1394 and HD-SDI digital input/output

Gamma conversion of F.REC cine-gamma sources.



AJ-HD1400

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

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