



P2 HD Camcorder

AJ-HPX3700

Broadcast camcorder with high Resolution 2.2-megapixel CCD

Key Features

Chromatic aberration compensation

Scan reverse function

Dynamic range stretch



AJ-HPX3700

<https://eu.connect.panasonic.com/it/en/products/broadcast-proav/aj-hpx3700>

Power Supply	DC 12 V (11.0 V to 17.0 V)
Power Consumption	42 W
Temperature	Operating Temperature : 0°C to +40°C (32°F to +104°F) Keeping Temperature: -20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10% to 85 % (relative humidity)
Operating Time	approx. 120 min. (when using DIONIC90 battery)
Weight	approx. 4.9 kg (10.8 lbs, main unit only, excluding VF)
Dimensions (W x H x D)	137 mm x 209 mm x 318 mm (5-7/16" x 8-1/4" x 12-9/16", excluding handle and option slot cover)
CCD Elements	CCD x 3 (2/3 inch interline transfer type, 2,200,000 pixel)
Video Format	RGB 3CCD
Quantizing	16 bits
Horizontal Drive Frequency	74.1758 MHz (59.94 Hz/23.98 Hz) , 74.25 MHz (50 Hz/24 Hz)
Sampling Frequency	74.1758 MHz (59.94 Hz/23.98 Hz) , 74.25 MHz (50 Hz/24 Hz)
Digital Signal Process	74.1758 MHz (59.94 Hz/23.98 Hz) , 74.25 MHz (50 Hz/24 Hz)
Programmable Gain	-3 dB, 0 dB, +3 dB, +6 dB, +9 dB, +12 dB, +15 dB, +18 dB, +21 dB, +24 dB, +27 dB, +30 dB
Shutter Speed	1/50 (50 Hz) sec., 1/60 sec., 1/100 (59.94 Hz) sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180 deg, 172.8 deg, 144 deg, 120 deg, 90 deg, 45 deg
Lens Mount	2/3 inch bayonet mount
Optical System	F1.4 Prizm
Sensitivity	F10 (2000 lx, 3200 K, 89.9 % reflect, 1080/59.94i)
Minimum Luminance	2.48 lx (F 1.4, +30 dB) 0.042 lx (F 1.4, +30 dB, VFR=1 FRAME)
Video S/N	54 dB (standard)
Registration	Less than 0.03 % (whole zone, without lens distortion)
Recording Format	AVC-Intra 100/AVC-Intra 50/DVCPRO HD Format switchable
Recording Video Signal	48 kHz/16 bits, 4CH
Recording Media	P2 card
Recording Playback Time*	approx. 32 min. (when using 32GB P2card AJ-P2C032RG, AVC-Intra 100 codec, recording in 1080/59.94p)
Frequency Response	20 Hz to 20 kHz ±1.0 dB (reference level)
Dynamic Range	More than 85 dB (1 kHz, AWTD)
Distortion	Within 0.1 % (1 kHz, reference level)
Headroom	18 dB/20 dB selectable
Genlock In	BNC x 1, 1.0Vp-p, 75 Ω, (switchable to VIDEO IN or Return Video)
TC In	BNC x 1, 0.5Vp-p to 8 Vp-p, 10 kΩ
TC Out	BNC x 1, low-impedance, 2.0 Vp-p±0.5 Vp-p
Audio In	XLR 3 pin x 2 (CH1/CH2) , LINE/MIC/MIC+48 V switchable, LINE: -3 dBu /0 dBu /+4 dBu selectable MIC : -60 dBu/-50 dBu selectable , MIC+48 V: Phantom +48 V, -60 dBu/-50 dBu selectable
MIC In	XLR 5 pin x 1, -50 dBu/-40 dBu selectable , Phantom +48 V (ON/OFF)
Wireless In	25 pin, D-SUB, -40 dBu
Audio Out	XLR 5 pin x 1 (CH1/CH2) , -3 dBu/0 dBu/+4 dBu selectable , balanced, low-impedance
Phones Out	Stereo Mini Jack x 2
DC In	XLR 4 pin x 1, DC12 V (11 V to 17 V)
DC Out	4 pin, DC 12 V (11 V to 17 V) , Max.1.5A
Lens	12 pin
EVF	20 pin
LCD Monitor	3.5 inches, LCD color monitor, 210,000 pixels
Supplied Accessories	Shoulder strap, Front audio volume knob (with screw), software CD-ROM
Total Picture Elements	2010 (H) x 1120 (V)
Optical Filters	CC: 3200 K, 4300 K, 5600 K, 1/2 ND ND: CLEAR, 1/4 ND, 1/16 ND, 1/64 ND
Effective Picture Elements	1920 (H) x 1080 (V)
VFR	1 to 30 fps (1080/59.94i) , 1 to 25 fps (1080/50p)
Video Compression	AVC-Intra 100/AVC-Intra 50: MPEG-4 AVC/H.264 Intra Profile, DVCPRO HD: DV-Bassed Comperssion (SMPTE370M)
Monitor Out	BNC x1 (switchable to VBS/HD SDI) , VBS: 1.0 Vp-p, 75 Ω, HD SDI: 0.8 Vp-p, 75 Ω (SMPTE292M/299M standards)
HD SDI A Out	BNC x1, 0.8 Vp-p, 75 Ω (SMPTE292M/299M/372M/352M standards) , with HD SDI B Dual Link
HD SDI B Out	BNC x1, 0.8 Vp-p, 75 Ω (SMPTE292M/299M/372M/352M standards) , with HD SDI A Dual Link
DVCPRO	—
RCU	10 pin for AJ-RC10G
GPS	6 pin for AJ-GPS910G
USB 2.0	USB: 2.0, HOST: 4 pin Type-A , DEVICE: 4 pin Type-B

Syncro Scan Sutter	1/61.7 sec. to 1/7200 sec. (1080/59.94i) 1/30.9 sec. to 1/3600 sec. (1080/29.97p) 1/24.7 sec. to 1/2880 sec. (1080/23.98p (A)) 1/51.4 sec. to 1/6000 sec. (1080/50i) 1/25.7 sec. to 1/3000 sec. (1080/25p)
Sampling HD Frequency	Y: 74.1758 MHz (59.94 Hz) /74.25 MHz (50 Hz) , PB/PR: 37.0879 MHz (59.94 Hz) /37.125 MHz (50 Hz)
