



P2HD Shoulder-Mount Camcorder

AJ-PX5000

P2HD Shoulder-Mount Camcorder with AVC-ULTRA recording and built-in microP2 card slots

Key Features

2/3-type 3MOS sensor and reduced rolling-shutter effect delivers a horizontal resolution of 1000 TV lines, sensitivity of F13 at 50i and S/N of 60dB

Equipped with CAC to maximise lens performance and DRS to compensate for lighting variations

Built-in AVC ULTRA recording that features AVC-Intra 200/500/50 and AVC-LongG50/25/12

Two P2 slots and two MicroP2 card slots supports both relay and simultaneous recording capabilities

Wired and wireless network capabilities via Wi-Fi, 4G/LTE and LAN





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<https://eu.connect.panasonic.com/nl/en/products/broadcast-proav/aj-px5000>

General	
Power	DC 12 V (11.0 V to 17.0 V)
Power Consumption	29 W (body only, 1080/59.94i, AVC-Intra 100 standard recording status, LCD ON) 70 W (with all optional accessories connected and maximum power supplied from each output terminal)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10 % to 85 % (relative humidity)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Weight	Approx. 3.4 kg (7.5 lbs.) (body only, excluding the battery and accessories)
Dimensions	147 mm (W) x 267 mm (H) x 342 mm (D) (5-25/32 inches x 10-1/2 inches x 13-15/32 inches) Body only, excluding protrusion
Camera Unit	
Pickup Devices	2/3-type 2.2 million pixels, MOS x 3
Lens Mount	2/3-type bayonet
CC Filter	A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K
ND Filter	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
Gain Setting	NORMAL mode: -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB HIGH SENS mode: -6 dB, -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB
Digital Super Gain (DS.GAIN)	Selectable from 6 dB, 10 dB, 12 dB, 15 dB, 20 dB, 24 dB, 28dB, 34 dB
Super Gain (S.GAIN)	Selectable from 30 dB, 36 dB, 42 dB
Shutter Speed	59.94 Hz 60i/60p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 30p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 24p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg 50 Hz 50i/50p mode: 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 25p mode: 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg
Synchro Scan Shutter	1/60.1 sec. to 1/7200 sec. (60i/60p mode) 1/30.0 sec. to 1/3600 sec. (30p mode) 1/24.0 sec. to 1/2880 sec. (24p mode) 1/50.1 sec. to 1/6000 sec. (50i/50p mode) 1/25.0 sec. to 1/3000 sec. (25p mode)
Shutter Open Angle	Configurable between 3 deg and 359.5 deg (in 0.5 deg steps)
Sensitivity	NORMAL mode: F9 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F10 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i) HIGH SENS mode: F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
Minimum Subject Illumination	Approx. 0.004 lx (F1.4, +42 dB (S.GAIN), +34 dB (DS.GAIN))
Image S/N	62 dB (standard)
Horizontal Resolution	1000 TV or higher (center)
Memory Card Recorder	
Recording Media	P2 card, microP2 card
System Format	1080/59.94p, 1080/59.94i, 1080/23.98PsF, 720/59.94p, 480/59.94i, 1080/50p, 1080/50i, 720/50p, 576/50i
Recording Formats	AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV formats switchable
Recording Video Signal	1080/59.94p, 1080/59.94i, 1080/29.97pN, 1080/23.98pN, 720/59.94p, 720/29.97pN, 720/23.98pN, 480/59.94i, 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i

Recording/Playback Time*	<p>Approx. 8 min. Approx. 16 min. Approx. 32 min.</p> <p>AVC-Intra100: Approx. 16 min. Approx. 32 min. Approx. 64 min.</p> <p>AVC-Intra50: Approx. 32 min. Approx. 64 min. Approx. 128 min.</p> <p>AVC-LongG50: Approx. 32 min. Approx. 64 min. Approx. 128 min.</p> <p>AVC-LongG25: Approx. 64 min. Approx. 128 min. Approx. 256 min.</p> <p>AVC-LongG12: Approx. 120 min. Approx. 240 min. Approx. 480 min.</p> <p>DVCPRO HD: Approx. 16 min. Approx. 32 min. Approx. 64 min.</p> <p>DVCPRO 50: Approx. 32 min. Approx. 64 min. Approx. 128 min.</p> <p>DVCPRO/DV: Approx. 64 min. Approx. 128 min. Approx. 256 min.</p> <p>These are reference values for continuous recording using the Panasonic products. The recording time may differ depending on the scene or the number of clips.</p>
Digital Video	
Sampling Frequency	<p>AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD:</p> <p>Y: 74.1758 MHz, PB/PR: 37.0879 MHz (59.94 Hz)</p> <p>Y: 74.2500 MHz, PB/PR: 37.1250 MHz (50 Hz)</p> <p>DVCPRO50: Y: 13.5 MHz, PB/PR: 6.75 MHz</p> <p>DVCPROY: Y: 13.5 MHz, PB/PR: 3.375 MHz</p>
Quantizing	<p>AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25: 10 bit</p> <p>AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit</p>
Video Compression Format	<p>AVC-Intra200/AVC-Intra100/AVC-Intra50:</p> <p>MPEG-4 AVC/H.264 Intra Profile</p> <p>AVC-LongG50/AVC-LongG25/AVC-LongG12:</p> <p>MPEG-4 AVC/H.264</p> <p>DVCPRO HD: DV-Based Compression</p> <p>DVCPRO50/DVCPRO: DV-Based Compression</p> <p>DV: DV Compression</p>
Digital Audio	
Recording Audio Signal	<p>AVC-Intra200/AVC-LongG50/AVC-LongG25:</p> <p>48 kHz/24 bit, 4 CH</p> <p>AVC-Intra100/AVC-Intra50:</p> <p>48 kHz/16 bit, 4 CH and 48 kHz/24 bit, 4 CH switch</p> <p>AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV:</p> <p>48 kHz/16 bit, 4 CH</p>
Headroom	18 dB/20 dB switchable menu
Proxy	
Video Compression Format (Proxy)	<p>MPEG4 Simple Profile, H.264/AVC Baseline Profile,</p> <p>H.264/AVC High Profile</p>
Audio Compression Format	AAC-LC, Linear PCM
Approx. Recording Time*2 (1GB)	<p>AVC-G6 2 CH MOV Approx. 13 min, STD 2 CH MP4 Approx. 78 min</p> <p>SHQ 2 CH MOV Approx. 25 min, HQ 2 CH MOV Approx. 78 min</p> <p>HQ 4 CH MOV Approx. 72 min, LOW 2 CH MOV Approx. 135 min</p>
Video Input/Output	
SDI In	<p>BNC x 1</p> <p>HD-SDI: 3 G: 0.8 V [p-p], 75 ohms 1.5 G: 0.8 V [p-p], 75 ohms</p> <p>SD-SDI: 0.8 V [p-p], 75 ohms</p> <p>Switch the menu to use as terminal/ return video input terminal/ terminal</p>
SDI Out1	<p>BNC x 1</p> <p>HD-SDI: 3 G: 0.8 V [p-p], 75 ohms, 1.5 G: 0.8 V [p-p], 75 ohms</p> <p>SD-SDI: 0.8 V [p-p], 75 ohms</p>
SDI Out2	<p>BNC x 1</p> <p>HD-SDI: 3 G: 0.8 V [p-p], 75 ohms, 1.5 G: 0.8 V [p-p], 75 ohms</p> <p>SD-SDI: 0.8 V [p-p], 75 ohms</p>
Video Output	BNC x 1, Composite: 1.0 V [p-p], 75 ohms
HDMI Out	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Audio Input/Output	
Audio In (CH1/CH2)	<p>XLR x 2, 3-pin, LINE/MIC/MIC+48V switchable type</p> <p>LINE: 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)</p> <p>MIC: -60 dBu (-60 dBu/-50 dBu selectable menu)</p> <p>MIC+48V: Phantom +48 V supported, -60 dBu (-60 dBu/-50 dBu selectable menu)</p>
MIC In	XLR x 1, 5 pin, Phantom +48 V (selectable menu), -40 dBu (-50 dBu/-40 dBu selectable menu)
Wireless Slot	25 pin, D-SUB, -40 dBu, 2 CH supported

Audio Out (CH1/CH2)	XLRx1, 5 pin, equilibrium low impedance 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)
Phones Out	Stereo mini jack x 2
Speaker	20 mm diameter, round x 1
Other Input/Output	
Genlock In	BNC x 1, 1.0 V [p-p], 75 ohms
TC In	BNC x 1, 0.5 V [p-p] - 8 V [p-p], 10 k ohms
TC Out	BNC x 1, 2.0 ±0.5 V [p-p], low impedance
DC In	XLR x 1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
DC Out	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.5 A
Remote	10 pin
Lens	12 pin
VF	20 pin
LAN	100BASE-TX/10BASE-T
USB 2.0 (Device)	Type B connector, 4 pin
USB 3.0 (Host)	Type A connector, 9 pin
USB 2.0 (Host)	Type A connector, 4 pin
Light	2 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 4.5 A (up to 50 W equivalent)
LCD Monitor	8.76 cm (3.45 inches) LCD monitor, approx. 921000 dots (16:9)
Included Accessories	Shoulder strap, Mount cap
Note	Weight and dimensions shown are approximate. Specifications are subject to change without notice.