



## P2HD Shoulder-Mount Camcorder

# AJ-PX800

P2HD Shoulder-Mount Camcorder with AVC-ULTRA recording

### 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 supports both relay and simultaneous recording capabilities

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





## AJ-PX800

<https://eu.connect.panasonic.com/en/products/broadcast-proav/aj-px800>

<b>General</b>	
<b>Power</b>	DC 12 V (11.0 V to 17.0 V)
<b>Power Consumption</b>	22 W (when the optional board AG-YA600G is installed)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Operating Humidity</b>	10% to 85% (relative humidity)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Weight</b>	Approx. 2.8 kg (6.2 lbs.)  (body only, excluding the battery and accessories)
<b>Dimensions</b>	
	144 mm (W) x 267 mm (H) x 350 mm (D)  (5-21/32 inches x 10-1/2 inches x 13-25/32 inches)  Body only, excluding protrusion
<b>Camera Unit</b>	
<b>Pickup Devices</b>	2/3 type 2.2 million pixels, MOS x 3
<b>Lens Mount</b>	2/3 type bayonet
<b>ND Filter</b>	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
<b>Gain Setting</b>	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
<b>Super Gain (S.GAIN)</b>	Selectable from 30 dB, 36 dB, 42 dB
<b>Shutter Speed</b>	60i/60p mode: 1/60 (OFF) sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.  30p mode: 1/30 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec.  24p mode: 1/24 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec.  50i/50p mode: 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.  25p mode: 1/25 (OFF) sec., 1/50 sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec.
<b>Synchro Scan Shutter</b>	60i/60p mode: 1/60.0 sec. to 1/250.0 sec.  30p mode: 1/30.0 sec. to 1/250.0 sec.  24p mode: 1/24.0 sec. to 1/250.0 sec.  50i/50p mode: 1/50.0 sec. to 1/250.0 sec.  25p mode: 1/25.0 sec. to 1/250.0 sec.
<b>Slow Shutter Speed</b>	60i/60p mode: 1/15 sec., 1/30 sec.  30p mode: 1/15 sec.  24p mode: 1/12 sec.  50i/50p mode: 1/12.5, 1/12.5 sec.  25p mode: 1/12.5 sec.
<b>Shutter Open Angle</b>	3.0 deg to 360.0 deg (in 0.5 deg steps, angle display)
<b>Sensitivity</b>	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)
<b>Minimum Subject Illumination</b>	Approx. 0.22 lx (HIGH SENS MODE, F1.4, +42 dB (S.GAIN))
<b>Image S/N</b>	62 dB (standard)
<b>Horizontal Resolution</b>	1000 TV or higher (center)
<b>Memory Card Recorder</b>	
<b>Recording Media</b>	P2 card (for microP2 card: adaptor is required)
<b>System Format</b>	1080/59.94i, 1080/23.98psF, 720/59.94p, 480/59.94i, 1080/50i, 720/50p, 576/50i
<b>Recording Formats</b>	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV  formats switchable

<b>Recording Video Signal</b>	1080/59.94i, 1080/29.97pN, 1080/23.98pN, 720/59.94p, 720/29.97pN, 720/23.98pN, 480/59.94i, 480/29.97p,
	1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i, 576/25p
<b>Recording/Playback Time*</b>	16GB x 1 32GB x 1 64GB x 1
	AVC-Intra100: Approx. 16min. Approx. 32min. Approx. 64min.
	AVC-Intra50: Approx. 32min. Approx. 64min. Approx. 128min.
	AVC-LongG50: Approx. 32min. Approx. 64min. Approx. 128min.
	AVC-LongG25: Approx. 64min. Approx. 128min. Approx. 256min.
	AVC-LongG12: Approx. 120min. Approx. 240min. Approx. 480min.
	DVCPRO HD: Approx. 16min. Approx. 32min. Approx. 64min.
	DVCPRO 50: Approx. 32min. Approx. 64min. Approx. 128min.
	DVCPRO/DV: Approx. 64min. Approx. 128min. Approx. 256min.
	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.
<b>Digital Video</b>	
<b>Sampling Frequency</b>	AVC-Intra100/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD: Y: 74.1758 MHz, PB/PR: 37.0879 MHz (59.94 Hz)
	Y: 74.2500 MHz, PB/PR: 37.1250 MHz (50 Hz)
	DVCPRO50: Y: 13.5 MHz, PB/PR: 6.75 MHz
	DVCPRO: Y: 13.5 MHz, PB/PR: 3.375 MHz
<b>Quantizing</b>	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25: 10 bit
	AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit
<b>Video Compression Format</b>	AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile
	AVC-LongG50/AVC-LongG25/AVC-LongG12: MPEG-4 AVC/H.264
	DVCPRO HD/DVCPRO50/DVCPRO: DV-Based Compression
	DV: DV Compression
<b>Digital Audio</b>	
<b>Recording Audio Signal</b>	AVC-Intra100/AVC-Intra50:
	48 kHz/16 bit, 4CH and 48 kHz/24 bit, 4CH switch
	AVC-LongG50/AVC-LongG25:
	48 kHz/24 bit, 4CH
	AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV:
	48 kHz/16 bit, 4CH
<b>Headroom</b>	18 dB/20 dB (switchable with menu)
<b>Proxy</b>	
<b>Video Compression Format (Proxy)</b>	H.264/AVC Baseline Profile, H.264/AVC High Profile
<b>Audio Compression Format</b>	AAC-LC, Linear PCM
<b>Approx. Recording Time* (1GB)</b>	AVC-G6 2CH MOV: Approx. 13 min.
	SHQ 2CH MOV: Approx. 25 min.
	HQ 2CH MOV: Approx. 78 min.
	LOW 2CH MOV: Approx. 135 min.
	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.
<b>Video Input/Output</b>	
<b>SDI Out/In (Option)</b>	BNCx1
	1.5 G HD SDI: 0.8 V [p-p], 75 ohms
	SD SDI: 0.8 V [p-p], 75 ohms
<b>MON Out</b>	BNCx1
	(Can be switched to HD SDI/SD SDI/analog composite on SmartUI.)
	1.5 G HD SDI: 0.8 V [p-p], 75 ohms
	SD SDI: 0.8 V [p-p], 75 ohms
	Composite: 1.0 V [p-p], 75 ohms
<b>HDMI Out</b>	HDMIx1 (HDMI type A terminal, not compatible with VIERA Link)
<b>Audio Input/Output</b>	
<b>Audio In</b>	XLR (3 pin) x 2
	LINE/MIC (switch selection)
	LINE: 0 dBu
	MIC: -50 dBu/-60 dBu (menu selection), +48 V ON/OFF (switch selection)
<b>MIC In</b>	XLR (3 pin) x1,
	+48 V supported (selectable menu)
	-40 dBu/-50 dBu/-60 dBu (selectable menu)
<b>Wireless In</b>	25 pin, D-SUB, -40 dBu, 2CH supported

<b>Audio Out</b>	Pin jack x 2 (CH1, CH2), Output level: 600 ohms, 316 mV
<b>Phones Out</b>	3.5 mm diameter stereo mini jack x1
<b>Speaker</b>	20 mm diameter, round x 1
<b>Other Input/Output</b>	
<b>Genlock In</b>	BNCx1, 1.0 V [p-p], 75 ohms
<b>TC In/Out</b>	BNCx1, IN/OUT switch selection
	IN: 0.5 V [p-p] to 8 V [p-p], 10 k ohms
	OUT: 2.0 ±0.5 V [p-p], Low impedance
<b>DC In</b>	XLRx1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
<b>DC Out</b>	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.5 A
<b>Remote</b>	10 pin
<b>Lens</b>	12 pin
<b>VF</b>	20 pin
<b>LAN</b>	100BASE-TX/10BASE-T
<b>USB 2.0 (Host)</b>	Type A connector, 4 pin
<b>USB 2.0 (Device)</b>	Type B connector, 4 pin
<b>USB 2.0 (Sub Host)</b>	Type A connector, 4 pin

(exclusively for wireless module AJ-WM30)

<b>Included Accessories</b>	Shoulder strap, Mount cap
-----------------------------	---------------------------

**Note** Weight and dimensions shown are approximate. Specifications are subject to change without notice.

\* Time shown above is when you record a series of 1 shot to a P2 card. Depending on numbers of

shots you record, the time will get shorter than the number shown above.