



## P2HD Handheld Camcorder

# AJ-PX270

P2HD Handheld Camcorder which features AVC-ULTRA codecs, microP2 card compatibility, and wired and wireless network capabilities

### Key Features

1/3-type 2.2 megapixel 3MOS sensor with a 22x optical zoom and 28mm wide-angle lens supports a superb quality of image

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

Two MicroP2 slots supports both relay and simultaneous recording capabilities

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

Ergonomic, compact and intuitive design that takes many of its key features from our professional shoulder-mount cameras

AVC Proxys P2HD

micro  
P2

HDMI™  
HIGH DEFINITION MULTIMEDIA INTERFACE

AVC INTRA

AVC LongG AVC ULTRA

SxS™  
XC

P2



## AJ-PX270

<https://eu.connect.panasonic.com/ch/en/products/broadcast-proav/aj-px270>

<b>General</b>	
<b>Power</b>	DC 7.2 V (when the battery is used)
	DC 12 V (when the AC adaptor is used)
<b>Power Consumption</b>	19.5 W (when the LCD monitor is used)
<b>Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Operating Humidity</b>	10 % to 80 % (no condensation)
<b>Weight</b>	Approx. 2.2 kg (4.9 lbs.)
	(body only, excluding lens hood, battery, and accessories)
	Approx. 2.6 kg (5.7 lbs.)
<b>Dimensions</b>	(including lens hood, supplied battery, and microphone holder)
	176 mm(H) x 171 mm(W) x 329 mm (D) (excluding protrusion)
	(6-15/16 inches x 6-23/32 inches x 12-15/16 inches)
<b>Camera Section</b>	
<b>Pickup Devices</b>	1/3-type 2.2 million pixels, MOS solid state image sensor x 3
<b>Lens</b>	Optical image stabilizer lens, optical 22x motorized zoom
	F1.6 to F3.2 (f=3.9 mm to 86 mm)
	35 mm conversion: 28 mm to 616 mm (16:9)
<b>Filter Diameter</b>	72 mm
<b>Optical System</b>	Prism system
<b>ND Filter</b>	OFF, 1/4, 1/16, 1/64
<b>Shortest Shooting Distance (M.O.D.)</b>	1.1 m from the front lens
	Approx. 0.06 m from front lens (When Macro=On, at wide-end)
	L/M/H selector switch-3 dB to 18 dB (in 1 dB steps)
<b>Gain Settings</b>	(Negative value of gain is only in [HIGH SENS.] mode.)
	(When assigning [S.GAIN] to the USER button:
	Switching between 24 dB, 30 dB, and 36 dB)
<b>Color Temperature Setting</b>	ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
<b>Shutter Speed</b>	When [SYSTEM MODE] = 59.94 Hz
	60i/60p mode: 1/60 (shutter off) sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.
	30p mode: 1/30 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.
	24p mode: 1/24 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.
	When [SYSTEM MODE] = 50 Hz
	50i/50p mode: 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.
25p mode: 1/25 sec., 1/50 (shutter off) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.	
<b>Slow Shutter Speed</b>	Setting is possible when [VFR]=[OFF]
	When [SYSTEM MODE] = 59.94 Hz
	60i/60p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec.
	30p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6sec., 1/15 sec.
	24p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.
	When [SYSTEM MODE] = 50 Hz
50i/50p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec.	
25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.	
<b>Synchro Scan Shutter</b>	When [SYSTEM MODE] = 59.94 Hz and [SYNC SCAN TYPE] = [sec]
	60i/60p mode: 1/60.0 sec. to 1/249.8 sec.
	30p mode: 1/30.0 sec. to 1/249.8 sec.
	24p mode: 1/24.0 sec. to 1/249.8 sec.
	When [SYSTEM MODE] = 50 Hz and [SYNC SCAN TYPE] = [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>Shutter Open Angle</b>	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps, angle display)

<b>VFR Recording Frame Rate</b>	1080/59.94p: 1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 34, 36, 40, 44, 48, 54, and 60 (frames per second) 1080/50p: 1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, and 50 (frames per second)
<b>Sensitivity</b>	[HIGH SENS.] mode F11 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
<b>Minimum Subject Illumination</b>	0.02 lx (F1.6, gain 18 dB, [1.S.EXP.], [HIGH SENS.] mode)
<b>Digital Zoom</b>	x2/x5/x10
<b>Lens Hood</b>	Hood with lens cover
<b>Memory Card Recorder Section</b>	
<b>Recording Media</b>	microP2 card, P2 card
<b>Recording Slot</b>	microP2 card slot x2, P2 card slot x1
<b>System Format</b>	1080/59.94p, 1080/59.94i, 1080/23.98PsF, 720/59.94p, 480/59.94i, 1080/50p, 1080/50i, 720/50p, 576/50i
<b>Recording Formats</b>	AVC-Intra200/AVC-Intra100/AVC-Intra50/ AVC-LongG50/AVC-LongG25/AVC-LongG12 DVCPRO HD/DVCPRO50/DVCPRO/DV formats
<b>Recording Video Signal</b>	1080/59.94p, 1080/59.94i, 1080/29.97pN, 1080/23.98pN, 720/59.94p, 720/29.97pN, 720/23.98pN, 480/59.94i, 480/29.97p 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i, 576/25p
<b>Recording/Playback Time*1</b>	16 GBx1 32 GBx1 64 GBx1 AVC-Intra200: Approx. 8 min. Approx. 16 min. Approx. 32 min. AVC-Intra100: Approx. 16 min. Approx. 32 min. Approx. 64 min. AVC-Intra50: Approx. 32 min. Approx. 64 min. Approx. 128 min. AVC-LongG50: Approx. 32 min. Approx. 64 min. Approx. 128 min. AVC-LongG25: Approx. 64 min. Approx. 128 min. Approx. 256 min. AVC-LongG12: Approx. 120 min. Approx. 240 min. Approx. 480 min. DVCPRO HD: Approx. 16 min. Approx. 32 min. Approx. 64 min. DVCPRO 50: Approx. 32 min. Approx. 64 min. Approx. 128 min. DVCPRO/DV: Approx. 64 min. Approx. 128 min. Approx. 256 min.
<b>Digital Video</b>	
<b>Sampling Frequency</b>	AVC-Intra200/AVC-Intra100/AVC-Intra50/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-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/ AVC-LongG25: 10 bits AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bits
<b>Video Compression Format</b>	AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile AVC-LongG50/AVC-LongG25/AVC-LongG12: MPEG-4 AVC/H.264 DVCPRO HD: DV-Based Compression (SMPTE 370M) DVCPRO50/DVCPRO: DV-Based Compression (SMPTE 314M) DV: DV Compression (IEC 61834-2)
<b>Digital Audio Specification</b>	
<b>Recording Audio Signal</b>	AVC-Intra200/AVC-LongG50/AVC-LongG25: 48 kHz/24 bits, 4 CH AVC-Intra100/AVC-Intra50: 48 kHz/16 bits, 4 CH and 48 kHz/24 bits, 4 CH switch AVC-LongG12/DVCPRO HD/DVCPRO50: 48 kHz/16 bits, 4 CH DVCPRO/DV: 48 kHz/16 bits, 4 CH
<b>Headroom</b>	12 dB/18 dB/20 dB switchable menu
<b>AVC Proxy</b>	
<b>File Format</b>	MOV
<b>Video Compression Format (AVC Proxy)</b>	H.264/AVC Baseline Profile, H.264/AVC High Profile
<b>Audio Compression Format</b>	AAC-LC, Linear PCM

<b>Approximate Recording Time (1GB)*2</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.
<b>Video Input/Output</b>	
<b>SDI Out</b>	BNC x 1, HD (3G/1.5G), SD: 0.8 V [p-p], 75 ohms
<b>Video Output</b>	BNC x 1, Also used as the GENLOCK IN, IN/OUT switch selection Composite: 1.0 V [p-p], 75 ohms
<b>HDMI Out</b>	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
<b>Audio Input</b>	
<b>Built-in Microphone</b>	Supports stereo microphone
<b>Audio Input 1/Audio Input 2</b>	XLR x 2, 3 pin. Input high impedance, LINE/MIC switch selection LINE: 4 dBu/0 dBu (selectable menu) MIC: -40 dBu/-50 dBu/-60 dBu (selectable menu), +48 V on/off (switch selection)
<b>Audio Output</b>	
<b>Audio Out</b>	3.5 mm diameter stereo mini jack x 1, Output level: 600 ohms, 316 mV
<b>Headphone</b>	3.5 mm diameter stereo mini jack x 1 100 ohms, -16 dBV (32 ohms load, at maximum output level)
<b>Speaker</b>	20 mm diameter, round x 1
<b>Other Input/Output</b>	
<b>Cam Remote</b>	2.5 mm diameter super mini jack x1 ZOOM S/S
<b>Genlock In</b>	BNCx1, also used as the VIDEO OUT, IN/OUT switch selection, 1.0 V [p-p], 75 ohms
<b>TC In/Out</b>	BNCx1 Used as the input and output terminals, IN/OUT switch selection Input: 1.0 V - 4.0 V [p-p], 10 k ohms Output: 2.0 V±0.5 V [p-p], low impedance
<b>LAN</b>	100BASE-TX/10BASE-T
<b>USB 2.0 (Device)</b>	Type miniB connector, 4 pin
<b>USB 3.0 (Host)</b>	Type A connector, 9 pin
<b>USB 2.0 Host (Sub-Host)</b>	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
<b>DC In 12V</b>	DC 12 V (DC 10.5 V - 13.5 V), EIAJ type 4
<b>Monitor</b>	
<b>LCD Monitor</b>	3.5 type QHD color monitor (Approx. 1560000 dots)
<b>View Finder</b>	0.5 type OLED (organic EL display) (Approx. 2360000 dots, video display area: Approx. 1770000 dots)
<b>Included Accessories</b>	Battery (VW-VBD58), Shoulder strap, Battery charger, AC adaptor, Microphone holder, Screw for microphone holder (12 mm), Power code x 2, Eye cup, Lens hood, Grip belt
<b>Note</b>	*1: Figures are for continuous recording as one clip. Depending on the number of clips, the overall recording time may be shorter than the above. *2: 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. Weight and dimensions are approximate. Specifications are subject to change without notice.