



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

SX
XC™

P2



AJ-PX270

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

General	
Power	DC 7.2 V (when the battery is used)
	DC 12 V (when the AC adaptor is used)
Power Consumption	19.5 W (when the LCD monitor is used)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10 % to 80 % (no condensation)
Weight	Approx. 2.2 kg (4.9 lbs.)
	(body only, excluding lens hood, battery, and accessories)
	Approx. 2.6 kg (5.7 lbs.)
Dimensions	(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)
Camera Section	
Pickup Devices	1/3-type 2.2 million pixels, MOS solid state image sensor x 3
Lens	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)
Filter Diameter	72 mm
Optical System	Prism system
ND Filter	OFF, 1/4, 1/16, 1/64
Shortest Shooting Distance (M.O.D.)	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)
Gain Settings	(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)
Color Temperature Setting	ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
Shutter Speed	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.	
Slow Shutter Speed	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.	
Syncro Scan Shutter	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.	
Shutter Open Angle	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps, angle display)

VFR Recording Frame Rate	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)
Sensitivity	[HIGH SENS.] mode F11 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
Minimum Subject Illumination	0.02 lx (F1.6, gain 18 dB, [1.S.EXP.], [HIGH SENS.] mode)
Digital Zoom	x2/x5/x10
Lens Hood	Hood with lens cover
Memory Card Recorder Section	
Recording Media	microP2 card, P2 card
Recording Slot	microP2 card slot x2, P2 card slot x1
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
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, 480/29.97p 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i, 576/25p
Recording/Playback Time*1	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.
Digital Video	
Sampling Frequency	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
Quantizing	AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/ AVC-LongG25: 10 bits AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bits
Video Compression Format	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)
Digital Audio Specification	
Recording Audio Signal	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
Headroom	12 dB/18 dB/20 dB switchable menu
AVC Proxy	
File Format	MOV
Video Compression Format (AVC Proxy)	H.264/AVC Baseline Profile, H.264/AVC High Profile
Audio Compression Format	AAC-LC, Linear PCM

Approximate Recording Time (1GB)*2	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.
Video Input/Output	
SDI Out	BNC x 1, HD (3G/1.5G), SD: 0.8 V [p-p], 75 ohms
Video Output	BNC x 1, Also used as the GENLOCK IN, IN/OUT switch selection Composite: 1.0 V [p-p], 75 ohms
HDMI Out	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Audio Input	
Built-in Microphone	Supports stereo microphone
Audio Input 1/Audio Input 2	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)
Audio Output	
Audio Out	3.5 mm diameter stereo mini jack x 1, Output level: 600 ohms, 316 mV
Headphone	3.5 mm diameter stereo mini jack x 1 100 ohms, -16 dBV (32 ohms load, at maximum output level)
Speaker	20 mm diameter, round x 1
Other Input/Output	
Cam Remote	2.5 mm diameter super mini jack x1 ZOOM S/S
Genlock In	BNCx1, also used as the VIDEO OUT, IN/OUT switch selection, 1.0 V [p-p], 75 ohms
TC In/Out	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
LAN	100BASE-TX/10BASE-T
USB 2.0 (Device)	Type miniB connector, 4 pin
USB 3.0 (Host)	Type A connector, 9 pin
USB 2.0 Host (Sub-Host)	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
DC In 12V	DC 12 V (DC 10.5 V - 13.5 V), EIAJ type 4
Monitor	
LCD Monitor	3.5 type QHD color monitor (Approx. 1560000 dots)
View Finder	0.5 type OLED (organic EL display) (Approx. 2360000 dots, video display area: Approx. 1770000 dots)
Included Accessories	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
Note	*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.