



## P2HD Shoulder-Mount Camcorder

# AJ-PX380

P2HD Shoulder-Mount Camcorder with AVC-ULTRA recording and studio camera configuration

### Key Features

1/3-type 2.2 megapixel 3MOS sensor delivers Full HD resolution with sensitivity of F12 (50Hz) or F11 (59.94Hz) in a lightweight body of 2.7kg

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

Integrated studio camera adapter which enables easy configuration into a fully-functional studio camera system by connecting to the optional AG-BS300G base station through two standard HD-SDI cables



## AJ-PX380

<https://oc.connect.panasonic.com/nz/en/aj-px380>

### General

<b>Power</b>	DC 12 V (11.0 V to 17.0 V)
<b>Power Consumption</b>	19 W (body only, 1080/60i, AVC-Intra 100 standard recording status, LCD ON) 58W (with all optional accessories connected and maximum power supplied from each output terminal)
<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. 2.7 kg (6.0 lb)  (body only, excluding the battery and accessories)

### Dimensions

144 mm (W) x 267 mm (H) x 348 mm (D)  
(5-21/32 inches x 10-1/2 inches x 13-11/16 inches)  
  
Body only, excluding protrusion

### Camera Unit

<b>Pickup Devices</b>	1/3 type 2.2 million pixels, MOS x 3
<b>Lens Mount</b>	1/3 type bayonet
<b>ND Filter</b>	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
<b>Gain Setting</b>	NORMAL mode:

0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB

HIGH SENS mode:

-3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB

### Super Gain (S.GAIN)

Selectable from 24 dB, 30 dB, 36 dB

### Shutter Speed

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.

### Synchro Scan Shutter

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.  
50i/50p mode: 1/50.0 sec. to 1/250.0 sec.  
25p mode: 1/25.0 sec. to 1/250.0 sec.

### Slow Shutter Speed

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.

### Shutter Open Angle

3.0 deg to 360.0 deg (in 0.5 deg steps, angle display)

### Sensitivity

NORMAL mode:  
F8 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i)  
F9 (2000 lx, 3200 K, 89.9% reflection, 1080/50i)  
HIGH SENS mode:  
F11 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i)  
F12 (2000 lx, 3200 K, 89.9% reflection, 1080/50i)

### Horizontal Resolution

1000 TV or higher (center)

### Memory Card Recorder

### Recording Media

P2 card x1, microP2 card x2

<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 Format</b>	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/ AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV formats switchable
<b>Recording Video Signal</b>	1080/59.94p, 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*   AVC-Intra 100/DVCPRO HD</b>	30 GB x 1: Approx. 30 min., 32 GB x 1: Approx. 32 min. 60 GB x 1: Approx. 60 min., 64 GB x 1: Approx. 64 min.
<b>Recording/Playback Time*   AVC-Intra 50/AVC-LongG 50/DVCPRO50</b>	30 GB x 1: Approx. 60 min., 32 GB x 1: Approx. 64 min. 60 GB x 1: Approx. 120 min., 64 GB x 1: Approx. 128 min.
<b>Recording/Playback Time*   AVC-LongG 25/DVCPRO/DV</b>	30 GB x 1: Approx. 120 min., 32 GB x 1: Approx. 128 min. 60 GB x 1: Approx. 240 min., 64 GB x 1: Approx. 256 min.
<b>Recording/Playback Time*   AVC-LongG12</b>	30 GB x 1: Approx. 225 min., 32 GB x 1: Approx. 240 min. 60 GB x 1: Approx. 450 min., 64 GB x 1: Approx. 480 min.
<b>Digital Video</b>	
<b>Sampling Frequency   AVC-Intra100/AVC-LongG25/AVC-LongG12</b>	Y: 148.3516 MHz, PB/PR: 74.1758 MHz (1080/59.94p) Y: 148.5000 MHz, PB/PR: 74.2500 MHz (1080/50p)
<b>Sampling Frequency   AVC-Intra100/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD</b>	Y: 74.1758 MHz, PB/PR: 37.0879 MHz (59.94 Hz) Y: 74.2500 MHz, PB/PR: 37.1250 MHz (50 Hz)
<b>Sampling Frequency   DVCPRO50</b>	Y: 13.5 MHz, PB/PR :6.75 MHz
<b>Sampling Frequency   DVCPRO</b>	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</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, 4 CH and 48 kHz/24 bit, 4 CH switch AVC-LongG50/AVC-LongG25: 48 kHz/24 bit, 4 CH AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 48 kHz/16 bit, 4 CH
<b>Headroom</b>	18 dB/20 dB (switchable with menu)
<b>Proxy</b>	
<b>Video Compression Format</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.
<b>Video Input/Output</b>	
<b>SDI Out1</b>	BNCx1 HD SDi (3G/1.5G), SD SDI: 0.8 V [p-p], 75 ohms
<b>SDI Out2/In</b>	BNCx1, SDI OUT2, SDI IN (menu selection) (Can be switched to HD SDI/SD SDI on SmartUI.) HD SDi (1.5G), SD SDI: 0.8 V [p-p], 75 ohms
<b>GL In/Video Out</b>	BNC x1, GENLOCK IN, VIDEO OUT (menu selection) GENLOCK IN: 1.0 V [p-p], 75 ohms VIDEO OUT: 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/Output</b>	
<b>Audio In CH1/3, Audio In CH2/4</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) x 1, +48 V supported (selectable menu) -40 dBu/-50 dBu/-60 dBu (selectable menu)
<b>Wireless In</b>	25 pin, D-SUB, -40 dBu, 2 CH 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 Signal</b>	
<b>TC In/Out</b>	BNCx1, IN/OUT (menu 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>LAN</b>	100BASE-TX/10BASE-T
<b>USB 2.0 (Device)</b>	Type B connector, 4 pin
<b>USB 2.0 (Host)</b>	Type A connector, 4 pin
<b>USB 2.0 (Sub Host)</b>	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
<b>DC In</b>	XLR x 1, 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>EVF</b>	20 pin
<b>Included Accessories</b>	Shoulder strap, Mount cap
<b>Note</b>	* 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.