



## 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





## AJ-PX270

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

|                                                                                           |                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General -&gt; Power Supply</b>                                                         | DC 7.2 V (when the battery is used)<br>DC 12 V (when the AC adaptor is used)                                                                                                                            |
| <b>General -&gt; Power Consumption</b>                                                    | 19.5 W (when the LCD monitor is used)                                                                                                                                                                   |
| <b>General -&gt; Operating Temperature</b>                                                | 0 °C to 40 °C (32 °F to 104 °F)                                                                                                                                                                         |
| <b>General -&gt; Operating Humidity</b>                                                   | 10 % to 85 % (relative humidity)                                                                                                                                                                        |
| <b>General -&gt; Weight</b>                                                               | Approx. 2.2 kg (4.9 lbs.) (body only, excluding lens hood, battery, and accessories)<br>Approx. 2.6 kg (5.7 lbs.) (including lens hood, supplied battery, and microphone holder)                        |
| <b>General -&gt; Dimensions</b>                                                           | W 171 mm x H 176 mm x D 329 mm (6-23/32 inches x 6-15/16 inches x 12-15/16 inches)<br>(excluding protrusion)                                                                                            |
| <b>Camera Unit -&gt; Image Sensor</b>                                                     | 1/3-type MOS solid state image sensor x 3                                                                                                                                                               |
| <b>Camera Unit -&gt; Number of Pixels</b>                                                 | 2.2 million pixels                                                                                                                                                                                      |
| <b>Camera Unit -&gt; Lens</b>                                                             | Optical image stabilizer lens, optical 22x motorized zoom<br>F1.6 to F3.2 (f=3.9 mm to 86 mm)<br>35 mm conversion: 28 mm to 616 mm (16:9)                                                               |
| <b>Camera Unit -&gt; Filter Diameter</b>                                                  | 72 mm                                                                                                                                                                                                   |
| <b>Camera Unit -&gt; Shortest Shooting Distance (M.O.D.)</b>                              | 1.1 m from the front lens<br>Approx. 0.06 m from front lens (When Macro=On, at wide-end)                                                                                                                |
| <b>Camera Unit -&gt; Optical System</b>                                                   | Prism system                                                                                                                                                                                            |
| <b>Camera Unit -&gt; Optical Filter -&gt; ND Filter</b>                                   | OFF, 1/4, 1/16, 1/64                                                                                                                                                                                    |
| <b>Camera Unit -&gt; Gain Setting</b>                                                     | L/M/H selector switch, -3 dB to 18 dB (in 1 dB steps) (Negative value of gain is only in [HIGH SENS.] mode.)<br>(When assigning [S.GAIN] to the USER button: Switching between 24 dB, 30 dB, and 36 dB) |
| <b>Camera Unit -&gt; Color Temperature Setting</b>                                        | ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)                                                                                                                            |
| <b>Camera Unit -&gt; Shutter Speed -&gt; [59.94 Hz] 59.94i/59.94p mode</b>                | 1/60 (OFF) sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.                                                                                                               |
| <b>Camera Unit -&gt; Shutter Speed -&gt; [50.00 Hz] 50i/50p mode</b>                      | 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.                                                                                                                |
| <b>Camera Unit -&gt; Shutter Speed -&gt; [59.94 Hz] 29.97p mode</b>                       | 1/30 sec., 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.                                                                                                     |
| <b>Camera Unit -&gt; Shutter Speed -&gt; [50.00 Hz] 25p mode</b>                          | 1/25 sec., 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.                                                                                                     |
| <b>Camera Unit -&gt; Shutter Speed -&gt; [59.94 Hz] 23.98p mode</b>                       | 1/24 sec., 1/50 (OFF) sec., 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec.                                                                                                     |
| <b>Camera Unit -&gt; Synchro Scan Shutter -&gt; [59.94 Hz] 59.94i/59.94p mode</b>         | 1/60.0 sec. to 1/249.8 sec.                                                                                                                                                                             |
| <b>Camera Unit -&gt; Synchro Scan Shutter -&gt; [50.00 Hz] 50i/50p mode</b>               | 1/50.0 sec. to 1/250.0 sec.                                                                                                                                                                             |
| <b>Camera Unit -&gt; Synchro Scan Shutter -&gt; [59.94 Hz] 29.97p mode</b>                | 1/30.0 sec. to 1/249.8 sec.                                                                                                                                                                             |
| <b>Camera Unit -&gt; Synchro Scan Shutter -&gt; [50.00 Hz] 25p mode</b>                   | 1/25.0 sec. to 1/250.0 sec.                                                                                                                                                                             |
| <b>Camera Unit -&gt; Synchro Scan Shutter -&gt; [59.94 Hz] 23.98p mode</b>                | 1/24.0 sec. to 1/249.8 sec.                                                                                                                                                                             |
| <b>Camera Unit -&gt; Shutter Speed (Slow Shutter) -&gt; [59.94 Hz] 59.94i/59.94p mode</b> | 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec.                                                                                                                                            |
| <b>Camera Unit -&gt; Shutter Speed (Slow Shutter) -&gt; [50.00 Hz] 50i/50p mode</b>       | 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec.                                                                                                                                            |
| <b>Camera Unit -&gt; Shutter Speed (Slow Shutter) -&gt; [59.94 Hz] 29.97p mode</b>        | 1/1 sec., 1/2 sec., 1/4 sec., 1/6sec., 1/15 sec.                                                                                                                                                        |
| <b>Camera Unit -&gt; Shutter Speed (Slow Shutter) -&gt; [50.00 Hz] 25p mode</b>           | 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.                                                                                                                                                       |
| <b>Camera Unit -&gt; Shutter Speed (Slow Shutter) -&gt; [59.94 Hz] 23.98p mode</b>        | 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.                                                                                                                                                       |
| <b>Camera Unit -&gt; Shutter Open Angle</b>                                               | 3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps, angle display)                                                                                                                                     |
| <b>Camera Unit -&gt; VFR Recording Frame Rate -&gt; [59.94 Hz] 59.94i/59.94p mode</b>     | -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)                                                                                  |
| <b>Camera Unit -&gt; VFR Recording Frame Rate -&gt; [50.00 Hz] 50p mode</b>               | -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>Camera Unit -&gt; Minimum Subject Illumination</b>                                     | 0.02 lx (F1.6, gain 18 dB, [1S.EXP.], [HIGH SENS.] mode)                                                                                                                                                |

|                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera Unit -&gt; Digital Zoom</b>                                                          | x2/x5/x10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Camera Unit -&gt; Lens Hood</b>                                                             | Hood with lens cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Memory Card Recorder -&gt; Recording Media</b>                                              | microP2 card *2, P2 card                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Memory Card Recorder -&gt; Recording Slot</b>                                               | microP2 card slot x2, P2 card slot x1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Memory Card Recorder -&gt; 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>Memory Card Recorder -&gt; Recording Format</b>                                             | AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/AVC-LongG12<br>DVCPRO HD/DVCPRO50/DVCPRO/DV formats                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Memory Card Recorder -&gt; 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>Memory Card Recorder -&gt; Recording/Playback Time&lt;sup&gt;*2&lt;/sup&gt;</b>             | AVC-Intra200: 16GB x 1: Approx. 8min., 32GB x 1: Approx. 16min., 64GB x 1: Approx. 32min.<br>AVC-Intra100: 16GB x 1: Approx. 16min., 32GB x 1: Approx. 32min., 64GB x 1: Approx. 64min.<br>AVC-Intra50: 16GB x 1: Approx. 32min., 32GB x 1: Approx. 64min., 64GB x 1: Approx. 128min.<br>AVC-LongG50: 16GB x 1: Approx. 32min., 32GB x 1: Approx. 64min., 64GB x 1: Approx. 128min.<br>AVC-LongG25: 16GB x 1: Approx. 64min., 32GB x 1: Approx. 128min., 64GB x 1: Approx. 256min.<br>AVC-LongG12: 16GB x 1: Approx. 120min., 32GB x 1: Approx. 240min., 64GB x 1: Approx. 480min.<br>DVCPRO HD: 16GB x 1: Approx. 16min., 32GB x 1: Approx. 32min., 64GB x 1: Approx. 64min.<br>DVCPRO 50: 16GB x 1: Approx. 32min., 32GB x 1: Approx. 64min., 64GB x 1: Approx. 128min.<br>DVCPRO/DV: 16GB x 1: Approx. 64min., 32GB x 1: Approx. 128min., 64GB x 1: Approx. 256min. |
| <b>Digital Video -&gt; Quantization -&gt; AVC-Intra200</b>                                     | 10 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Digital Video -&gt; Quantization -&gt; AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25</b> | 10 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Digital Video -&gt; Quantization -&gt; AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV</b>         | 8 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Digital Video -&gt; Video Compression Format -&gt; AVC-Intra200</b>                         | MPEG-4 AVC/H.264 Intra Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Digital Video -&gt; Video Compression Format -&gt; AVC-Intra 100/AVC-Intra 50</b>           | MPEG-4 AVC/H.264 Intra Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Digital Video -&gt; Video Compression Format -&gt; AVC-LongG50/AVC-LongG25/AVC-LongG12</b>  | MPEG-4 AVC/H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Digital Video -&gt; Video Compression Format -&gt; DVCPRO HD</b>                            | DV-Based Compression (SMPT E 370M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Digital Video -&gt; Video Compression Format -&gt; DVCPRO50/DVCPRO</b>                      | DV-Based Compression (SMPT E 314M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Digital Video -&gt; Video Compression Format -&gt; DV</b>                                   | DV Compression (IEC 61834-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Digital Audio -&gt; Recording Audio Signal -&gt; P2</b>                                     | 48 kHz/24 bits, 4 CH (AVC-Intra200/AVC-LongG50/AVC-LongG25)<br>48 kHz/16 bits, 4 CH and 48 kHz/24 bits, 4 CH switch (AVC-Intra100/AVC-Intra50)<br>48 kHz/16 bits, 4 CH (AVC-LongG12/DVCPRO HD/DVCPRO50)<br>48 kHz/16 bits, 4 CH (DVCPRO/DV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Digital Audio -&gt; Headroom</b>                                                            | 12 dB/18 dB/20 dB switchable menu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AVC Proxy -&gt; File Format</b>                                                             | MOV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AVC Proxy -&gt; Video Compression Format</b>                                                | H.264/AVC Baseline Profile, H.264/AVC High Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AVC Proxy -&gt; Audio Compression Format</b>                                                | AAC-LC, Linear PCM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AVC Proxy -&gt; Recording Time&lt;sup&gt;*2&lt;/sup&gt;</b>                                 | AVC-G6 2CH MOV: Approx. 13 min.<br>SHQ 2CH MOV: Approx. 25 min.<br>HQ 2CH MOV: Approx. 78 min.<br>LOW 2CH MOV: Approx. 135 min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Video Input/Output -&gt; SDI OUT1</b>                                                       | BNC x 1, HD (3G/1.5G), SD: 0.8 V [p-p], 75 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Video Input/Output -&gt; VIDEO OUT</b>                                                      | BNC x 1, Also used as the GENLOCK IN, IN/OUT switch selection<br>Composite: 1.0 V [p-p], 75 Ω                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Video Input/Output -&gt; GL IN/VIDEO OUT</b>                                                | HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Video Input/Output -&gt; HDMI</b>                                                           | HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Audio Input/Output -&gt; Built-inMicrophone</b>                                             | Supports stereo microphone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                                    |                                                                                                                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Audio Input/Output -&gt; AUDIO IN</b>           | XLR x 2, 3 pin. Input high impedance, LINE/MIC switch selection<br>LINE: 4 dBu/0 dBu (selectable menu)<br>MIC: -40 dBu/-50 dBu/-60 dBu (selectable menu),<br>+48 V on/off (switch selection) |
| <b>Audio Input/Output -&gt; AUDIO OUT</b>          | 3.5 mm diameter stereo mini jack x 1, Output level: 600 $\Omega$ , 316 mV                                                                                                                    |
| <b>Audio Input/Output -&gt; Headhone</b>           | 3.5 mm diameter stereo mini jack x 1<br>100 $\Omega$ , -16 dBV (32 $\Omega$ load, at maximum output level)                                                                                   |
| <b>Audio Input/Output -&gt; Built-in Speaker</b>   | 20 mm diameter, round x 1                                                                                                                                                                    |
| <b>Other Input/Output -&gt; GENLOCK IN</b>         | BNCx1, also used as the VIDEO OUT, IN/OUT switch selection,<br>1.0 V [p-p], 75 $\Omega$                                                                                                      |
| <b>Other Input/Output -&gt; TC IN/OUT</b>          | BNCx1<br>Used as the input and output terminals, IN/OUT switch selection<br>Input: 1.0 V - 4.0 V [p-p], 10 k $\Omega$<br>Output: 2.0 V $\pm$ 0.5 V [p-p], low impedance                      |
| <b>Other Input/Output -&gt; DC IN</b>              | DC 12 V (DC 10.5 V - 13.5 V), EIAJ type 4                                                                                                                                                    |
| <b>Other Input/Output -&gt; REMOTE</b>             | 2.5 mm diameter super mini jack x1 (ZOOM S/S)<br>3.5 mm diameter mini jack x1 (FOCUS IRIS)                                                                                                   |
| <b>Other Input/Output -&gt; LAN</b>                | 100BASE-TX/10BASE-T                                                                                                                                                                          |
| <b>Other Input/Output -&gt; USB 2.0 (DEVICE)</b>   | Type miniB connector, 4 pin                                                                                                                                                                  |
| <b>Other Input/Output -&gt; USB 2.0 (HOST)</b>     | Type A connector, 9 pin                                                                                                                                                                      |
| <b>Other Input/Output -&gt; USB 2.0 (SUB HOST)</b> | Type A connector, 4 pin (exclusively for wireless module AJ-WM30)                                                                                                                            |
| <b>Monitor/Viewfinder -&gt; LCD Monitor</b>        | 3.5 type QHD color monitor (Approx. 1560000 dots)                                                                                                                                            |
| <b>Monitor/Viewfinder -&gt; Viewfinder</b>         | 0.5 type OLED (organic EL display)<br>(Approx. 2,360,000 dots, video display area: Approx. 1,770,000 dots)                                                                                   |

#### Footnote Description

Weight and dimensions shown are approximate.

The production of microP2 cards have been discontinued. When recording to SD memory cards in P2 format, please use SDXC memory cards with video speed class V90 or faster. Please use the latest version of the camera recorder software.

Figures are for continuous recording as one clip. Depending on the number of clips, the overall recording time may be shorter than the above.

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.