



## Handheld P2HD Broadcast Camcorder

# AJ-PX230

P2HD handheld camera recorder to feature the AVC-ULTRA codec family and microP2 cards

### Key Features

AVC-Intra 200/100/50 + AVC-LongG50/25/12

High quality 10bit/4:2:2 recording video recording

New compact / lightweight 22x lens (f=28mm-616mm/35mm)

Professional Outputs for Flexible Shooting

Dual microP2 card slots for cost efficient microP2 cards



## AJ-PX230

<https://eu.connect.panasonic.com/nl/en/products/broadcast-proav/aj-px230>

### General

**Power** DC 7.2 V (when the battery is used)

DC 12 V (when the AC adapter 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.)

(including lens hood, supplied battery, and microphone holder)

**Dimensions** 176 mm (H) x 171 mm (W) x 329 mm (D) (excluding protrusions)

(6-15/16 inches x 6-23/32 inches x 12-15/16 inches)

### Camera Unit

**Pickup Devices** 1/3-type 2.2 megapixels, 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)

**Gain Setting** L/M/H selector switch, -3 dB to 18 dB (in 1 dB steps)

(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, 1/6 sec, 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, [1S.EXP.], [HIGH SENS.] mode)
<b>Digital Zoom</b>	x2/x5/x10
<b>Lens Hood</b>	Hood with lens cover
<b>Memory Card Recorder</b>	
<b>Recording Media</b>	microP2 card
<b>Recording Slot</b>	microP2 card slot ×2
<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-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 GB ×1 32 GB ×1 64 GB ×1 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