



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



HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

AVC INTRA

AVC LongG

AVC ULTRA



AJ-PX230

<https://eu.connect.panasonic.com/gb/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, 1/6sec., 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

Synchro 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, [1S.EXP.], [HIGH SENS.] mode)
Digital Zoom	x2/x5/x10
Lens Hood	Hood with lens cover
Memory Card Recorder	
Recording Media	microP2 card
Recording Slot	microP2 card slot ×2
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 Format	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 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
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