



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/products/broadcast-proav/aj-px380>

General

Power	DC 12 V (11.0 V to 17.0 V)
Power Consumption	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)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 85% (relative humidity)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Weight	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

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

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-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/ AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV formats switchable
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* AVC-Intra 100/DVCPRO HD	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.
Recording/Playback Time* AVC-Intra 50/AVC-LongG 50/DVCPRO50	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.
Recording/Playback Time* AVC-LongG 25/DVCPRO/DV	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.
Recording/Playback Time* AVC-LongG12	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.
Digital Video	
Sampling Frequency AVC-Intra100/AVC-LongG25/AVC-LongG12	Y: 148.3516 MHz, PB/PR: 74.1758 MHz (1080/59.94p) Y: 148.5000 MHz, PB/PR: 74.2500 MHz (1080/50p)
Sampling Frequency AVC-Intra100/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)
Sampling Frequency DVCPRO50	Y: 13.5 MHz, PB/PR :6.75 MHz
Sampling Frequency DVCPRO	Y: 13.5 MHz, PB/PR: 3.375 MHz
Quantizing	AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25: 10 bit AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit
Video Compression	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
Digital Audio	
Recording Audio Signal	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
Headroom	18 dB/20 dB (switchable with menu)
Proxy	
Video Compression Format	H.264/AVC Baseline Profile, H.264/AVC High Profile
Audio Compression Format	AAC-LC, Linear PCM
Approx. Recording Time* (1GB)	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 Out1	BNCx1 HD SDi (3G/1.5G), SD SDI: 0.8 V [p-p], 75 ohms
SDI Out2/In	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
GL In/Video Out	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
HDMI Out	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Audio Input/Output	
Audio In CH1/3, Audio In CH2/4	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)

MIC In	XLR (3 pin) x 1, +48 V supported (selectable menu) -40 dBu/-50 dBu/-60 dBu (selectable menu)
Wireless In	25 pin, D-SUB, -40 dBu, 2 CH supported
Audio Out	Pin jack x 2 (CH1, CH2), Output level: 600 ohms, 316 mV
Phones Out	3.5 mm diameter stereo mini jack x1
Speaker	20 mm diameter, round x 1
Other Input/Output Signal	
TC In/Out	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
LAN	100BASE-TX/10BASE-T
USB 2.0 (Device)	Type B connector, 4 pin
USB 2.0 (Host)	Type A connector, 4 pin
USB 2.0 (Sub Host)	Type A connector, 4 pin (exclusively for wireless module AJ-WM30)
DC In	XLR x 1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
DC Out	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.5 A
Remote	10 pin
Lens	12 pin
EVF	20 pin
Included Accessories	Shoulder strap, Mount cap
Note	* 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.