Panasonic CONNECT

High-End ENG Camera Recorder with HDR Acquisition and RTSP/RTMP Streaming/Transmission.

AJ-PX5100

High-End ENG Camera Recorder

Key Features

- Supports HDR image acquisition and outputs SDR while acquiring HDR.
- Offers a streaming function compatible with RTMP, in addition to RTSP. Also P2 Cast and P2SS compatible.
- 1080/50p (60p) recording and 3G-SDI output
- AVC-Intra or AVC-LongG high-quality images and dual codec recording of AVC-Proxy.
- Includes various network connections, such as "Wired/wireless LAN"**, "4G/LTE"** and "Bonding Services"**

P2HD microP2 AVC ULTRA

Panasonic CONNECT




AJ-PX5100

https://eu.connect.panasonic.com/cz/cs/broadcast-proav/professional-camcorders/aj-px5100

General -> Power Supply	DC 12 V (11.0 V to 17.0 V)
General -> Power Consumption	29 W (body only, 1080/59.94i, AVC-Intra 100 standard recording status, LCD ON)70 W (with all optional accessories connected and maximum power supplied from each output terminal)
General -> Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
General -> Operating Humidity	10 % to 85 % (relative humidity)
General -> Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
General -> Weight *1	Approx. 3.4 kg (7.5 lbs.)(Body only, excluding the battery and accessories)
General -> Dimensions *1	W 147 mm x H 267 mm x D 342 mm (5-25/32 inches x 10-1/2 inches x 13-15/32 inches)(excluding protrusion)
Camera Unit -> Image Sensor	2/3-type 2.2 million pixels, MOS x 3
Camera Unit -> Lens Mount	2/3-type bayonet
Camera Unit -> Optical Filter -> CC Filter	A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K
Camera Unit -> Optical Filter -> ND Filter	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
Camera Unit -> Gain Setting	NORMAL mode : -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dBHIGH SENS mode : -6 dB, -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB
Camera Unit -> Digital Super Gain (DS.GAIN)	Selectable from 6 dB, 10 dB, 12 dB, 15 dB, 20 dB, 24 dB, 28dB, 34 dB
Camera Unit -> Super Gain (S.GAIN)	Selectable from 30 dB, 36 dB, 42 dB
Camera Unit -> Shutter Speed -> [59.94 Hz] 59.94i/59.94p mode	1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg,120.0 deg, 90.0 deg, 45.0 deg
Camera Unit -> Shutter Speed -> [50.00 Hz] 50i/50p mode	1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg
Camera Unit -> Shutter Speed -> [59.94 Hz] 29.97p mode	1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg,120.0 deg, 90.0 deg, 45.0 deg
Camera Unit -> Shutter Speed -> [50.00 Hz] 25p mode	1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg
Camera Unit -> Shutter Speed -> [59.94 Hz] 23.98p mode	1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 180.0 deg, 172.8 deg, 144.0 deg,120.0 deg, 90.0 deg, 45.0 deg
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 59.94i/59.94p mode	1/60.1 sec. to 1/7200 sec.
Camera Unit -> Synchro Scan Shutter -> [50.00 Hz] 50i/50p mode	1/50.1 sec. to 1/6000 sec.
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 29.97p mode	1/30.0 sec. to 1/3600 sec.
Camera Unit -> Synchro Scan Shutter -> [50.00 Hz] 25p mode	1/25.0 sec. to 1/3000 sec.
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 23.98p mode	1/24.0 sec. to 1/2880 sec.
Camera Unit -> Shutter Open Angle	Configurable between 3 deg and 359.5 deg (in 0.5 deg steps)
Camera Unit -> Minimum Subject Illumination	Approx. 0.004 lx (F1.4, +42 dB (S.GAIN), +34 dB (DS.GAIN))
Camera Unit -> Image S/N	62 dB (standard)
Camera Unit -> Horizontal Resolution	1000 TV or higher (center)
Memory Card Recorder -> Recording Media *2	P2 card, microP2 card *1
Memory Card Recorder -> 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
Memory Card Recorder -> Recording Format	AVC-Intra200/AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25/AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV formats switchable
Memory Card Recorder -> Recording Video Signal	1080/59.94p, 1080/29.97pN, 1080/23.98pN, 1080/59.94i, 720/59.94p, 720/29.97pN, 720/23.98pN,480/59.94i, 1080/50p, 1080/25pN, 1080/50i, 720/50p, 720/25pN, 576/50i
Memory Card Recorder -> Recording/Playback Time *2	AVC-Intra200: Approx. 32 min.AVC-Intra100: Approx. 64 min.AVC-Intra50: Approx. 128 min.AVC-LongG50: Approx. 128 min.AVC-LongG25: Approx. 256 min.AVC-LongG12: Approx. 480 min.DVCPRO HD: Approx. 64 min.DVCPRO 50: Approx. 128 min.DVCPRO/DV: Approx. 256 min.
Digital Video -> Quantization -> AVC-Intra200	10 bit
Digital Video -> Quantization -> AVC-Intra100/AVC-Intra50/AVC-LongG50/AVC-LongG25	10 bit
Digital Video -> Quantization -> AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV	8 bit
Digital Video -> Video Compression Format -> AVC-Intra200	MPEG-4 AVC/H.264 Intra Profile

Digital Video -> Video Compression Format -> AVC-Intra 100/AVC-Intra 50	MPEG-4 AVC/H.264 Intra Profile
Digital Video -> Video Compression Format -> AVC-LongG50/AVC-LongG25/AVC-LongG12	MPEG-4 AVC/H.264
Digital Video -> Video Compression Format -> DVCPRO HD	DV-Based Compression
Digital Video -> Video Compression Format -> DVCPRO50/DVCPRO	DV-Based Compression
Digital Video -> Video Compression Format -> DV	DV Compression
Digital Audio -> Recording Audio Signal -> P2	48 kHz/24 bit, 4 CH (AVC-Intra200, AVC-LongG50/AVC-LongG25) 48 kHz/16 bit, 4 CH and 48 kHz/24 bit, 4 CH switch (AVC-Intra100/AVC-Intra50) 48 kHz/16 bit, 4 CH (AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV)
Digital Audio -> Headroom	18 dB/20 dB switchable menu
AVC Proxy -> Video Compression Format	MPEG4 Simple Profile, H.264/AVC Baseline Profile, H.264/AVC High Profile
AVC Proxy -> Audio Compression Format	AAC-LC, Linear PCM
AVC Proxy -> Recording Time *2	AVC-G6 2CH MOV: Approx. 13 min.STD 2CH MP4: Approx. 78 min.HQ 4CH MP4: Approx. 72 min.SHQ 2CH MOV: Approx. 25 min.HQ 2CH MOV: Approx. 78 min.HQ 4CH MOV: Approx. 72 min.LOW 2CH MOV: Approx. 135 min.
Video Input/Output -> SDI IN	BNC x 1, HD (3 G/1.5 G), SD: 0.8 V [p-p], 75 Ω Switch the menu to use as terminal/ return video input terminal/ terminal
Video Input/Output -> SDI OUT1	BNC x 1, HD (3 G/1.5 G), SD: 0.8 V [p-p], 75 Ω
Video Input/Output -> SDI OUT2	BNC x 1, HD (3 G/1.5 G), SD: 0.8 V [p-p], 75 Ω
Video Input/Output -> VIDEO OUT	BNC x 1, Composite: 1.0 V [p-p], 75 Ω
Video Input/Output -> GL IN/VIDEO OUT	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Video Input/Output -> HDMI	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Audio Input/Output -> AUDIO IN	XLR x 2, 3 pin, LINE/MIC/MIC+48V switchable typeLINE: 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)MIC: -60 dBu (-60 dBu/-50 dBu selectable menu)MIC+48V: Phantom +48 V supported-60 dBu (-60 dBu/-50 dBu selectable menu)
Audio Input/Output -> MIC IN	XLR x 1, 5 pin, Phantom +48 V (selectable menu),-40 dBu (-50 dBu/-40 dBu selectable menu)
Audio Input/Output -> Wireless Slot	25 pin, D-SUB, –40 dBu, 2 CH supported
Audio Input/Output -> AUDIO OUT	XLR x1, 5 pin, equilibrium low impedance4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)
Audio Input/Output -> Headhone	Stereo mini jack x 2
Audio Input/Output -> Built-in Speaker	20 mm diameter, round x 1
Other Input/Output -> GENLOCK IN	BNC x 1, 1.0 V [p-p], 75 Ω
Other Input/Output -> TC IN	BNC x 1, 0.5 V [p-p] – 8 V [p-p], 10 kΩ
Other Input/Output -> TC OUT	BNC x 1, 2.0 ±0.5 V [p-p], low impedance
Other Input/Output -> DC IN	XLR x 1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
Other Input/Output -> DC OUT	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.5 A
Other Input/Output -> REMOTE	10 pin
Other Input/Output -> LENS	12 pin
Other Input/Output -> VF	20 pin
Other Input/Output -> LAN	100BASE-TX/10BASE-T
Other Input/Output -> USB 2.0（DEVICE）	Type B connector, 4 pin
Other Input/Output -> USB 3.0（HOST）	Type A connector, 9 pin
Other Input/Output -> USB 2.0（HOST）	Type A connector, 4 pin
Other Input/Output -> LIGHT	2 pin, DC 12 V (DC 11.0 V to 17.0 V),maximum output current 4.5 A (up to 50 W equivalent)
Monitor/Viewfinder -> LCD Monitor	8.89 cm (3.5 inches) QHD color monitor, approx. 1,560,000 dots
Footnote Description	1. 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. 2. All of the times apply when single clips are recorded continuously one after the other onto a P2 card. Depending on the number of clips to be recorded, the recordable time may be shorter than the times given.