



**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"***





AJ-PX5100

<https://eu.connect.panasonic.com/pt/en/products/broadcast-proav/aj-px5100>

General

Power Supply	DC 12V (11.0V to 17.0V)
Power Consumption	29W (body only, 1080/59.94i, AVC-Intra100 standard recording status, LCD ON) 70W (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. 3.4 kg (7.5 lbs.) (body only, excluding the battery and accessories)
Dimensions	147 mm (W) x 267 mm (H) x 342 mm (D) (5-25/32 inches x 10-1/2 inches x 13-15/32 inches) Body only, excluding protrusion
Camera Section	
Pickup Devices	2/3-type, 2.2 million pixels, MOS x 3
Lens Mount	2/3-type bayonet
CC Filter	A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K
ND Filter	CLEAR, 1/4, 1/6, 1/64
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 dB HIGH 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
Digital Super Gain (DS.GAIN)	Selectable from 6 dB, 10 dB, 12 dB, 15 dB, 20 dB, 24 dB, 28 dB, 34 dB
Super Gain (S.GAIN)	Selectable from 30 dB, 36 dB, 42 dB
Shutter Speed(Preset)	[59.94 Hz] 60i/60p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 30p mode: 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 24p 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 [50 Hz] 50i/50p mode: 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF 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
Shutter Speed(Synchro Scan)	60i/60p mode: 1/60.1 sec. to 1/7200 sec. 30p mode: 1/30.1 sec. to 1/3600 sec. 24p mode: 1/24.1 sec. to 1/2880 sec. 50i/50p mode: 1/50.1 sec. to 1/6000 sec. 25p mode: 1/25.1 sec. to 1/3000 sec.
Shutter Open Angle	Configurable between 3 deg and 359.5 deg (in 0.5 deg steps)
Sensitivity	NORMAL mode: F9 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F10 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i) HIGH SENS mode: F12 (2000 lx, 3200 K, 89.9 % reflection, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9 % reflection, 1080/50i)
Minimum Subject Illumination	Approx. 0.004 lx (F1.4, +42 dB (S.GAIN), +34 dB (DS.GAIN))
Image S/N	62 dB (standard)
System Format	1080/59.94p, 1080/59.94i, 1080/23.98PsF, 720/59.94p, 480/59.94i, 1080/50p, 80/50i, 720/50p, 576/50i
Recording Formats	AVC-Intra200/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, 1080/50p, 1080/50i, 1080/25pN, 720/50p, 720/25pN, 576/50i
Video Input/Output	
SDI In	BNC x 1 HD SDI: 3 G: 0.8 V [p-p], 75 Ω 1.5 G: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω Switch the menu to use as terminal/return video input terminal terminal
SDI Out1	BNC x 1 HD SDI: 3 G: 0.8 V [p-p], 75 Ω, 1.5 G: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω,
SDI Out2	BNC x 1 HD SDI: 3 G: 0.8 V [p-p], 75 Ω, 1.5 G: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω
VIDEO OUT	BNC x 1 Composite: 1.0 V [p-p], 75 Ω
HDMI Out	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
Audio Input/Output	
Audio In (CH1/CH2)	XLR x 2, 3-pin, LINE/MIC/MIC +48 V switchable type LINE: 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu) MIC: -60 dBu (-60 dBu/-50 dBu selectable menu) MIC+48 V: Phantom +48 V supported, -60 dBu (-60 dBu/-50 dBu selectable menu)
MIC In	XLR x 1, 5-pin Phantom +48 V (selectable menu), -40 dBu (-50 dBu/-40 dBu selectable menu)
Wireless Slot	25-pin, D-SUB, -40 dBu, 2 CH supported
Audio Out (CH1/CH2)	XLR x 1, 5-pin, equilibrium low impedance (CH1/CH2) 4 dBu (-3 dBu/0 dBu/4 dBu selectable menu)
PHONS Out	Stereo mini jack x 2
Speaker	20 mm diameter, round x 1
Other Input/Output	
Genlock In	BNC x 1, 1.0 V [p-p], 75 Ω
TC In	BNC x 1, 0.5 V [p-p] to 8 V [p-p], 10 kΩ
TC Out	BNC x 1, 2.0 V [p-p] ±0.5 V [p-p], low impedance
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
VF	20-pin
LAN	100BASE-TX/10BASE-T
USB 2.0 (Device)	Type B connector, 4-pin
USB 3.0 (Host)	Type A connector, 9-pin
USB 2.0 (Host)	Type A connector, 4-pin
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)
LCD Monitor	3.5-type QHD color monitor (approx. 1560000 dots)
Included Accessories	Shoulder strap, Mount cap