High-End ENG Camera Recorder

AJ-PX5100GJ

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

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"**

The AJ-PX5100 2/3 type B4 lens mount shoulder camera recorder combines superb image production and exchangeable lenses with a light built. The AJ-PX5000G's three 2.2M pixel MOS sensors deliver a horizontal resolution of 1000 TV lines and sensitivity of F13 at 50i and a signal to noise ratio of 62dB.

The camcorder features HDR (HLG) support, dual codec recording with AVC-proxy and can record in AVC-Intra200/100/5 and AVC-LongG25/50. It includes two slots for P2 cards and 2 slots for microP2 cards. The unit is 50Hz- and 59.94Hz-switchable for global usage.

Incorporating the real-time messenger protocol (RTMP) function, the PX5100 camcorder can be used for interviews in news reporting, producing documentaries and other special feature stories. With its breadth of recording options, exceptional image quality, and expandability the AJ-PX5100 is also targeted at high-end corporate and sports production, as well as the rental market.

SPECIFICATIONS

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
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, /16, 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
SDI In	BNC x 1 HD SDI: 3 G: 0.8 V [p-p], 75 ? 1.5 G: 0.8 V [p-p], 75 ? SD SDI: 0.8 V [p-p], 75 ? 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 ?, 1.5 G: 0.8 V [p-p], 75 ? SD SDI: 0.8 V [p-p], 75 ?,
SDI Out2	BNC x 1 HD SDI: 3 G: 0.8 V [p-p], 75 ?, 1.5 G: 0.8 V [p-p], 75 ? SD SDI: 0.8 V [p-p], 75 ?
VIDEO OUT	BNC x 1 Composite: 1.0 V [p-p], 75 ?
HDMI Out	HDMI x 1 (HDMI type A terminal, not compatible with VIERA Link)
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	Stere o mini jack x 2
Speaker	20 mm diameter, round x 1
Genlock In	BNC x 1, 1.0 V [p-p], 75 ?
TC In	BNC x 1, 0.5 V [p-p] to 8 V [p-p], 10 k?
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