

AJ-PX5100GJ Specifications

As of April, 2022

General	
Power:	DC 12 V (11.0 V to 17.0 V)
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)
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) × 267 mm (H) × 342 mm (D) (5-25/32 inches × 10-1/2 inches × 13-15/32 inches) Body only, excluding protrusion

Camera Unit	
Pickup Device:	2/3-type 2.2 million pixels, MOS × 3
Lens Mount:	2/3-type bayonet
CC Filter:	A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K
ND Filter:	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
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, 28dB, 34 dB
Super Gain (S.GAIN):	Selectable from 30 dB, 36 dB, 42 dB
Shutter Speed:	SYSTEM MODE = 59.94 Hz 60i/60p/30p/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 SYSTEM MODE = 50 Hz 50i/50p/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
Synchro Scan Shutter:	1/60.1 sec. to 1/7200 sec. (60i/60p mode) 1/30.0 sec. to 1/3600 sec. (30p mode) 1/24.0 sec. to 1/2880 sec. (24p mode) 1/50.1 sec. to 1/6000 sec. (50i/50p mode) 1/25.0 sec. to 1/3000 sec. (25p mode)
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)
Horizontal Resolution:	1000 TV or higher (center)

Memory Card Recorder	
Recording Media:	P2 card, microP2 card* ¹
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 switchable
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
Recording/Playback Time* ² : (When using 64 GB x 1)	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	
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 bit AVC-LongG12/DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bit
Video Compression Format:	AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile AVC-LongG50/AVC-LongG25/AVC-LongG12: MPEG-4 AVC/H.264 DVCPRO HD: DV-Based Compression DVCPRO50/DVCPRO: DV-Based Compression DV: DV Compression

Digital Audio	
Recording Audio Signal:	AVC-Intra200: 48 kHz/24 bit, 4 CH 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 menu

Proxy	
Video Compression Format:	MPEG4 Simple Profile, H.264/AVC Baseline Profile, H.264/AVC High Profile
Audio Compression Format:	AAC-LC, Linear PCM
Approx. Recording Time* ² :	AVC-G6 2 CH MOV Approx. 13 min., STD 2 CH 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 <VIDEO IN> terminal/ return video input terminal/<GENLOCK IN> terminal
SDI OUT1:	BNC x 1, HD (3 G/1.5 G), SD: 0.8 V [p-p], 75 Ω
SDI OUT2:	BNC x 1, HD (3 G/1.5 G), SD: 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+48V switchable type LINE: 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)
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 x1, 5 pin, equilibrium low impedance 4 dBu (−3 dBu/0 dBu/4 dBu selectable menu)
PHONES 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] − 8 V [p-p], 10 kΩ
TC OUT:	BNC x 1, 2.0 ±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
USB2.0 (device):	Type B connector, 4 pin
USB3.0 (host):	Type A connector, 9 pin
USB2.0 (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:	8.89 cm (3.5 inches) QHD color monitor, approx. 1,560,000 dots

Included Accessories	
Shoulder strap, Mount cap	

*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. Weight and dimensions shown are approximate. Specifications are subject to change without notice.