



**HD Camcorder**

# **AG-HPX600EJ**

P2 HD Camcorder with 10-bit 4:2:2 AVC-Intra recording

## **Key Features**

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Compact body

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Smart user interface

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MOS Sensor for excellent image quality



## AG-HPX600EJ

<https://eu.connect.panasonic.com/gb/en/products/broadcast-proav/ag-hpx600ej>

<b>Supply Voltage</b>	DC 12 V (DC 11 V to 17 V)
<b>Power Consumption</b>	18 W (main unit only) 22 W (with AG-YDX600G and AG-YA600G)
<b>Operating Humidity</b>	10% to 85% (no condensation)
<b>Weight</b>	Approx. 2.8 kg (6.2 lb) excluding battery and accessories
<b>Dimensions (W x H x D)</b>	144 mm x 267 mm x 350 mm (5-21/32 inches x 10-1/2 inches x 13-25/32 inches) excluding prominent parts
<b>Pickup Devices</b>	2/3-type MOS x 1
<b>Lens Mount</b>	2/3-type bayonet type
<b>ND Filter</b>	4 position (Clear, 1/4ND, 1/16ND, 1/64ND)
<b>Color Temperature Settings</b>	ATW, ATW LOCK, Ach, Bch, Preset 3200 K/Preset 5600 K/VAR (2400K to 9900K)
<b>Shutter Speed (Preset)</b>	SYSTEM MODE = 59.94 Hz •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. SYSTEM MODE = 50 Hz •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.
<b>Shutter Speed (Synchro Scan)</b>	SYSTEM MODE = 59.94 Hz (SYNC SCAN •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 1/249.8sec. SYSTEM MODE = 50 Hz (SYNC SCAN TYPE = sec) •50i/50p mode: 1/50.0 sec. to 1/250.0 sec. •25p mode: 1/25.0 sec. to 1/250.0 sec.
<b>Digital Zoom</b>	x 2, x 4
<b>Headroom</b>	20 dB/18 dB switching via menu
<b>Remote</b>	10 pin
<b>Included Accessories</b>	Shoulder strap, Mount cap*7, CD-ROM
<b>Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Keeping Temperature</b>	-20 °C to 60 °C (-4 °F to 140 °F)
<b>Gain Selection</b>	-3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB (18 dB: USER SW allocation)
<b>Shutter Speed (Slow)</b>	SYSTEM MODE = 59.94 Hz •60i/60p mode: 1/15 sec., 1/30 sec. •30p mode: 1/15 sec. •24p mode: 1/12 sec. SYSTEM MODE = 50 Hz •50i/50p mode: 1/12.5 sec., 1/25 sec. •25p mode: 1/12.5 sec.
<b>Shutter Speed (Open Angle)</b>	SCENE FILE VFR = OFF 3 deg to 360 deg, 0.5 deg step select SCENE FILE VFR = ON*2 (FRAME RATE 12p or more) 3 deg to 360 deg, 0.5 deg step select SCENE FILE VFR = ON*2 (Less than FRAME RATE 12p) 3 deg to 22.5 deg, 0.5 deg step select 45 deg, 90 deg, 180 deg, 360 deg
<b>Frame Rates*2 (59.94Hz Mode)</b>	•1080: 1/2/4/6/9/12/15/18/20/21/22/24/25/26/27/28/30 (frames per second) 17 steps •720: 1/2/4/6/9/12/15/18/20/21/22/24/25/26/27/28/ 30/32/34/36/40/44/48/54/60 (frames per second) 25 steps
<b>Frame Rates*2 (50Hz Mode)</b>	•1080: 1/2/4/6/9/12/15/18/20/21/22/23/24/25 (frames per second) 14 steps •720: 1/2/4/6/9/12/15/18/20/21/22/23/24/25/26/27/ 28/30/32/34/37/42/45/48/50 (frames per second) 25 steps
<b>Sensitivity*3</b>	F12 (2000 lx, 3200 K, 89.9% reflect, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9% reflect, 1080/50i)
<b>Video S/N*3</b>	59 dB (standard)
<b>Recording Video Signal</b>	1080/59.94i, 1080/29.97p, 1080/29.97pN, 1080/23.98p, 1080/23.98pA, 1080/23.98pN, 1080/50i, 1080/25p, 1080/25pN, 720/59.94p, 720/29.97p, 720/29.97pN, 720/23.98p, 720/23.98pN, 720/50p, 720/25p, 720/25pN, 480/59.94i, 480/29.97p, 480/23.98p, 480/23.98pA, 576/50i, 576/25p
<b>Recording Formats</b>	AVC-Intra100/AVC-Intra50/DVCPRO HD/ DVCPRO 50/DVCPRO/DV formats switchable
<b>Recording/Playback Time*4 (with a 64GB P2 Card)</b>	AVC-Intra100/DVCPRO HD: approx. 64 min AVC-Intra50/DVCPRO 50: approx. 128 min. DVCPRO/DV: approx. 256 min.
<b>Recording/Playback Time*4 (with a 32GB P2 Card)</b>	AVC-Intra100/DVCPRO HD: approx. 32 min AVC-Intra50/DVCPRO 50: approx. 64 min. DVCPRO/DV: approx. 128 min.
<b>Recording/Playback Time*4 (with a 16GB P2 Card)</b>	AVC-Intra100/DVCPRO HD: approx. 16 min AVC-Intra50/DVCPRO 50: approx. 32 min. DVCPRO/DV: approx. 64 min.
<b>Recorded Video Signals</b>	AVC-Intra100/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) DVCPRO 50: Y: 13.5 MHz, P PB/PR: 6.75 MHz DVCPRO: Y: 13.5 MHz, PB/PR: 3.375 MHz
<b>Quantizing</b>	AVC-Intra100/AVC-Intra50: 10 bit DVCPRO HD/DVCPRO 50/DVCPRO/DV: 8 bit
<b>Video Compression</b>	AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile DVCPRO HD: DV-Based Compression (SMPTE 370M) DVCPRO 50/DVCPRO: DV-Based Compression (SMPTE 314M) DV: DV Compression (IEC 61834-2)
<b>Recording Audio Signal</b>	AVC-Intra100/AVC-Intra50: 48 kHz, 16 bit, 4CH DVCPRO HD/DVCPRO 50: 48 kHz, 16 bit, 4CH DVCPRO/DV: 48 kHz, 16 bit, 2CH/4CH switchable
<b>SDI Out/In (OP)*5</b>	BNC×1 HD SDI: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω
<b>MON Out</b>	BNC×1, HD SDI/SD SDI/VBS (Analog Composite) can be switched on SmatUI HD SDI: 0.8 V [p-p], 75 Ω / SD SDI: 0.8 V [p-p], 75 Ω / VBS: 1.0 V [p-p], 75 Ω
<b>HDMI Out</b>	HDMI x 1 (HDMI TypeA terminal), VIERA Link not supported

<b>Audio In</b>	XLR (3 pin) × 2 LINE/MIC switchable, high impedance, LINE: 0 dBu, MIC: -50 dBu/-60 dBu (switching via menu) MIC +48 V ON/OFF (switchable)
<b>MIC In</b>	XLR (3 pin) × 1 +MIC/+48 V switchable, -40 dBu/-50 dBu/-60 dBu (switching via menu)
<b>Wireless In</b>	25 pin, D-SUB, -40 dBu 2CH supported
<b>Audio Out</b>	Pin jack × 2 (CH1/CH2), Output: 316 mV, 600 Ω
<b>Phones Out</b>	ø3.5 mm stereo mini jack × 1
<b>Speaker</b>	20 mm diameter × 1
<b>Genlock In</b>	BNC × 1, 1.0 V [p-p], 75 Ω
<b>TC In/Out</b>	IN: BNC × 1, 0.5 V [p-p] to 8V [p-p], 10 kΩ OUT: BNC × 1, 2.0 V ±0.5 V [p-p], low impedance (IN/OUT switching via menu)
<b>DC In</b>	XLR × 1, 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
<b>DC Out</b>	4 pin, DC 12 V (DC 11.0 V to 17.0 V), Max. 1.5 A
<b>VF</b>	20 pin
<b>LAN*6</b>	100BASE-TX/10BASE-T
<b>USB 2.0 (Host)</b>	Type-A, 4 pin USB ver 2.0 Standard
<b>USB 2.0 (Device)</b>	Type-B, 4 pin USB ver 2.0 Standard
<b>USB 2.0 (Host)*6</b>	Type-A, 4 pin USB ver 2.0 Standard for Wireless Module AJ-WM30