

Panasonic CONNECT



HD Handheld Studio Camera

AG-HPX255

HD Camcorder with a high-sensitivity 1/3-type 2.2 megapixel 3-MOS image sensor

Key Features

Full-HD (1920 x 1080); 10 bit; 4:2:2 full sample images

Dynamic Range Stretch

Flash Band Compensation



AG-HPX255

<https://eu.connect.panasonic.com/fr/en/products/broadcast-proav/ag-hpx255>

General Specification

Supply Voltage	DC 7.2 V (when the battery is used) DC 7.9 V (when the AC adaptor is used)
Power Consumption	15.0 W (when the LCD monitor is used) 17.5 W (when the LCD monitor and AG-EC4G are used)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10% to 80% (no condensation)
Weight	Approx. 2.5 kg (5.5 lb) excluding battery and accessories
Dimensions (W x H x D)	180 mm x 195 mm x 438 mm (7 inches x 7-11/16 inches x 17-1/4 inches) excluding battery, accessories and protrusions

Camera Section

Pickup Devices	1/3-type progressive, 2.2-megapixel, 3MOS sensor
Effective Pixels	1920 (H)x1080 (V)
Lens	Optical image stabilizer lens, 22x motorized zoom, F1.6 - 3.2 (f=3.9 mm - 86 mm), 35 mm conversion: 28 mm - 616 mm (16:9)
Filter Diameter	72 mm
Optical System	Prism color separation
ND Filter	OFF, 1/4, 1/16, 1/64
Minimum Shooting Distance	Approx. 1 m
Hood	Large-sized lens hood with wide angle of view
Gain Settings	0/+3/+6/+9/+12/+15/+18/+24/+30 dB, (+24 dB, +30 dB: USER SW allocation only)
Shutter Speed Settings	• 60i/60p mode: 1/60 (OFF), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. • 30p mode: 1/30 (OFF), 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. • 24p mode: 1/24 (OFF), 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. • 50i/50p mode: 1/50 (OFF), 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. • 25p mode: 1/25 (OFF), 1/50, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec
Slow Shutter	• 60i/60p mode: 1/15 sec., 1/30 sec. • 30p mode: 1/7.5 sec., 1/15 sec. • 24p mode: 1/6 sec., 1/12 sec. • 50i/50p mode: 1/12.5 sec., 1/25 sec. • 25p mode: 1/6.25 sec., 1/12.5 sec.
Synchro Shutter	• 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 1/249.8 sec. • 50i/50p mode: 1/50.0 sec. to 1/250.0 sec. • 25p mode: 1/25.0 sec. to 1/250.0 sec.
Shutter Opening Angle	3 degrees to 359.5 degrees in 0.5 degree increments
Frame Rates	• 59.94 Hz mode: 1080p: 1/2/4/6/9/12/15/18/20/21/22/24/25/26/ 27/28/30 fps (frames per second) 17 step 720p: 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 fps, 25 step • 50 Hz mode: 1080p: 1/2/4/6/9/12/15/18/20/21/22/23/24/25 fps (frames per second) 14 step 720p: 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 fps, 25 step
Sensitivity	• 59.94 Hz mode: (at 2000 lx, 3200 K, 89.9% reflection) F7 (1080/59.94i, P.A.P FILTER: TYPE2) F10 (1080/59.94i, P.A.P FILTER: TYPE1) • 50 Hz mode: (at 2000 lx, 3200 K, 89.9% reflection) F8 (1080/50i, P.A.P FILTER: TYPE2) F11 (1080/50i, P.A.P FILTER: TYPE1)
Minimum Illumination	0.2 lx (F1.6, Gain +30 dB, shutter speed 1/30 sec., P.A.P FILTER: TYPE1)
Digital Zoom	x2, x5, x10

Memory Card Recorder Section

Recording Media	P2 card
Recording Formats	AVC-Intra 100/AVC-Intra 50/DVCPRO HD/ DVCPRO50/DVCPRO/DV formats switchable
Recording/Playback Time*1 (with a 64GB P2 Card)	AVC-Intra 100/DVCPRO HD: approx. 64 min AVC-Intra 50/DVCPRO50: approx. 128 min DVCPRO/DV: approx. 256 min
Recording/Playback Time*1 (with a 32GB P2 Card)	AVC-Intra 100/DVCPRO HD: approx. 32 min AVC-Intra 50/DVCPRO50: approx. 64 min DVCPRO/DV: approx. 128 min
Recording/Playback Time*1 (with a 16GB P2 Card)	AVC-Intra 100/DVCPRO HD: approx. 16 min AVC-Intra 50/DVCPRO50: approx. 32 min DVCPRO/DV: approx. 64 min

Digital Video Specification

Recorded Video Signals	1080/59.94i, 1080/29.97p, 1080/29.97pN, 1080/23.98p, 1080/23.98pA, 1080/23.98pN, 720/59.94p, 720/29.97p, 720/29.97pN, 720/23.98p, 720/23.98pN, 480/59.94i, 480/29.97p, 480/23.98p, 480/23.98pA, 1080/50i, 1080/25p, 1080/25pN, 720/50p, 720/25p, 720/25pN, 576/50i, 576/25p
Sampling Frequency	AVC-Intra 100/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-Intra 100/AVC-Intra 50: 10 bits DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bits
Video Compression	AVC-Intra 100/AVC-Intra 50: MPEG-4 AVC/H.264 Intra Profile DVCPRO HD: DV-Based Compression (SMPTE 370M) DVCPRO50/DVCPRO: DV-Based Compression (SMPTE 314M) DV: DV Compression (IEC 61834-2)

Digital Audio Specification

Recording Audio Signal	AVC-Intra 100/AVC-Intra 50/DVCPRO HD: 48 kHz/16 bits, 4CH DVCPRO50: 48 kHz/16 bits, 4CH DVCPRO/DV: 48 kHz/16 bits, 2CH/4CH switchable
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Video Input/Output

Genlock In	BNC x 1, 1.0 V [p-p], 75ohms
Video Output	Pin jack x 1, 1.0 V [p-p], 75ohms
SDI Out	BNC x 1, 0.8 V [p-p], 75ohms, HD/SD switching via menu, 10 bit 4:2:2 via camera through out
HDMI Out	HDMI TypeA
Audio Input/Output	
Built-In MIC In	Supports stereo microphones
Audio In	XLR 3 pin x 2 (INPUT 1, INPUT 2) LINE/MIC/+48 V switchable, LINE: 0 dBu, MIC: -40 dBu/-50dBu/-60 dBu switching via menu
Audio Out	Pin jack x 2 (CH1/CH2), Output: 316 mV, 600 ohms
Headphone	• 3.5 mm stereo mini jack x 1
Internal Speaker	20 mm diameter x 1
Other Input/Output	
Remote	10 pin, for AG-EC4G (AG-HPX255 only)
TC In/Out	BNCx 1, IN: 0.5 V [p-p] to 8 V [p-p], 10 k ohms OUT: low impedance, 2.0±0.5 V [p-p]
Cam Remote	2.5 mm diameter, Super mini jack x 1 (ZOOM, S/S) 3.5 mm diameter Mini jack x 1 (FOCUS, IRIS)
IEEE 1394 *2	6 pin, digital input/output (compliant with IEEE 1394)
USB 2.0 (Device)*2	Type-miniB, 4 pin USB (compliant with USB ver. 2.0)
USB 2.0 (Host)*2	Type-A, 4 pin USB (compliant with USB ver. 2.0)
Monitor, EVF and Seaker	
LCD Monitor	87.63 mm (3.45 inches) color LCD monitor with approx. 921,000 dots (16:9)
EVF	11.43 mm (0.45 inches) color LCD monitor with approx. 1,226,000 dots (16:9)
Included Accessories	AC adaptor Battery charger, AC cord, DC cord, 5400 mAh battery pack, Wireless remote controller with button-type battery, Microphone holder, Eye cup, Shoulder strap, P2 card driver software install CD-ROM
Note	<p>*1: The Recording/playback times listed are continuously recorded time as one clip. The number of recording clips may reduce the recording time.</p> <p>*2: AG-HPX255EJ/HPX250EJ don't support input via IEEE 1394 and USB 2.0.</p> <p>Weight and dimensions are approximate. Specifications are subject to change without notice.</p>