



Shoulder Mount Broadcast Camera

AG-HPX610

A light 2/3 type shoulder mount P2HD camera recorder with versatility built-in AutoFocus lens

Key Features

High zoom ratio 16x (8 mm ~ 128 mm)

Manual or Auto focus operation with macro focus

A compact body for superb mobility.

DVCPRO HD

DVCPRO

AVC INTRA

DVCPRO 50

DN



AG-HPX610

<https://eu.connect.panasonic.com/pt/en/products/broadcast-proav/ag-hpx610>

Supply Voltage	DC 12 V (DC 11 V to 17 V)
Power Consumption	18 W (main unit only)
	22 W (with AG-YDX600G and AG-YA600G)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10% to 85% (no condensation)
Keeping Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Weight	Approx. 2.8 kg (6.2 lb)
	excluding battery and accessories
Dimensions (W x H x D)	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
Camera Section	
Pickup Devices	2/3-type MOS x 1
Lens Mount	2/3-type bayonet type
ND Filter	4 position (Clear, 1/4ND, 1/16ND, 1/64ND)
Gain Selection*1	-3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 18 dB
	(18 dB: USER SW allocation)
Color Temperature Settings	ATW, ATW LOCK, Ach, Bch,
	Preset 3200 K/Preset 5600 K/VAR (2400K to 9900K)
Shutter Speed (Preset)	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.
	•24p mode: 1/24 (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.
Shutter Speed (Slow)	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.
Shutter Speed (Synchro Scan)	SYSTEM MODE = 59.94 Hz (SYNC SCAN TYPE = sec)
	•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.
Shutter Opening Angle	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

Frame Rates*2 (59.94Hz Mode)	<ul style="list-style-type: none"> •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
Frame Rates*2 (50Hz Mode)	<ul style="list-style-type: none"> •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
Sensitivity*3	<ul style="list-style-type: none"> F13 (2000 lx, 3200 K, 89.9% reflect, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9% reflect, 1080/50i)
Video S/N*3	59 dB (standard)
Digital Zoom	x 2, x 4
Memory Card Recorder Section	
Recording Media	P2 card
System Format	1080/59.94i, 1080/23.98PsF*2, 720/59.94p, 480/59.94i, 1080/50i, 720/50p, 576/50i
Recording Video Signal	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
Recording Format	AVC-Intra100/AVC-Intra50/DVCPRO HD/ DVCPRO 50/DVCPRO/DV formats switchable
Recording/Playback Time*4 (with a 64GB P2 Card)	AVC-Intra100/DVCPRO HD: approx. 64 min. AVC-Intra50/DVCPRO 50: approx. 128 min. DVCPRO/DV: approx. 256 min.
Recording/Playback Time*4 (with a 32GB P2 Card)	AVC-Intra100/DVCPRO HD: approx. 32 min. AVC-Intra50/DVCPRO 50: approx. 64 min. DVCPRO/DV: approx. 128 min.
Recording/Playback Time*4 (with a 16GB P2 Card)	AVC-Intra100/DVCPRO HD: approx. 16 min. AVC-Intra50/DVCPRO 50: approx. 32 min. DVCPRO/DV: approx. 64 min.
Digital Video	
Recording Video Signals	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
Quantizing	AVC-Intra100/AVC-Intra50: 10 bit DVCPRO HD/DVCPRO 50/DVCPRO/DV: 8 bit
Video Compression	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)
Digital Audio	
Recording Audio Signal	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
Headroom	20 dB/18 dB switching via menu
Video Input/Output	
SDI Out/In (OP)*5	BNC×1 HD SDI: 0.8 V [p-p], 75 Ω SD SDI: 0.8 V [p-p], 75 Ω
MON Out	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
HDMI Out	HDMI x 1 (HDMI TypeA terminal), VIERA Link not supported
Audio Input/Output	
Audio In	XLR (3 pin) x 2 LINE/MIC switchable, high impedance, LINE: 0 dBu, MIC: -50 dBu/-60 dBu (switching via menu) MIC +48 V ON/OFF (switchable)

MIC In	XLR (3 pin) × 1 +MIC/+48 V switchable, -40 dBu/-50 dBu/-60 dBu (switching via menu)
Wireless In	25 pin, D-SUB, -40 dBu 2CH supported
Audio Out	Pin jack × 2 (CH1/CH2), Output: 316 mV, 600 Ω
Phones Out	ø3.5 mm stereo mini jack × 1
Speaker	20 mm diameter × 1
Other Input/Output	
Genlock In	BNC × 1, 1.0 V [p-p], 75 Ω
TC In/Out	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)
DC In	XLR × 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), Max. 1.5 A
Remote	10 pin
Lens	12 pin
VF	20 pin
USB 2.0 (Host)	Type-A, 4 pin USB ver 2.0 Standard
USB 2.0 (Device)	Type-B, 4 pin USB ver 2.0 Standard
USB 2.0 (Host)*6	Type-A, 4 pin USB ver 2.0 Standard for Wireless Module AJ-WM30 or UPLINK USB cable
Included Accessories	Upgrade Software Key AG-SFU601G, Shoulder strap, Mount cap*7, CD-ROM
Note	*1: When SHOOTING MODE is NORMAL on SYSTEM SETUP MENU, -3 dB setting is treated as 0dB and 18dB setting can not be active. *2: AG-SFU602G Upgrade Software Key is required. *3: When SHOOTING MODE is LOW LIGHT on SYSTEM SETUP MENU *4: Time shown above is when you record a series of 1 shot onto P2 card. Depending on numbers of shots you record, time will get shorter than the number shown above. *5: Mounting the optional AG-YA600G HD/SD SDI Input Board makes this system SDI Input. (SDI OUT/IN switching via menu) *6: When Upgrade Software Key AG-SFU601G is installed, the network function of cable LAN and wireless LAN becomes effective. *7: It is attached to the main body. Weight and dimensions shown are approximate. Specifications are subject to change without notice.