



## 4K Memory Card Camera Recorder

# AG-UX90

UHD/FHD Camcorder with wide-angle, 15x optical zoom and variable frame-rates

### Key Features

15x optical zoom and 24.5mm wide-angle LEICA DICOMAR lens

1.0-type UHD MOS sensor with UHD 25p or FHD 50p recording capabilities

Intelligent Auto-Focus supports smooth and fast focusing when shooting in 4K

Advanced Optical Image Stabilisation (OIS)

Variable frame-rate between 2 and 60fps at 1080p





## AG-UX90

<https://eu.connect.panasonic.com/se/en/products/broadcast-proav/ag-ux90>

<b>General</b>		
<b>Power</b>	DC 7.28 V (when the battery is used)	
	DC 12 V (when the AC adaptor is used)	
<b>Power Consumption</b>	12.2 W (when the LCD monitor is used)	
<b>Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)	
<b>Operating Humidity</b>	10 % to 80 % (no condensation)	
<b>Weight</b>	Body: Approx. 1.9 kg (4.19 lb)	
	(body only, excluding lens hood, battery, and accessories)	
	Shooting: Approx. 2.3 kg (5.07 lb)	
<b>Dimensions</b>	(including lens hood, battery, and eye cup)	
	169 mm (W) x 195 mm (H) x 340 mm (D)	
	(6-21/32 inches x 7-11/16 inches x 13-3/8 inches)	
	(excluding protrusion and eye cup)	
	169 mm (W) x 195 mm (H) x 382 mm (D)	
(6-21/32 inches x 7-11/16 inches x 15-1/32 inches)		
(including eye cup, excluding protrusion)		
<b>Camera Unit</b>		
<b>Pickup Devices</b>	1.0-type MOS solid state image sensor	
<b>Effective Pixels</b>	17.78 megapixel: FHD 50.00p/25.00p	
	8.59 megapixel: UHD 25.00p	
<b>Lens</b>	Optical image stabilizer lens,	
	optical 15x motorized zoom	
	F2.8 to F4.5 (f=8.8 mm to 132 mm)	
	35 mm equivalent:	
	f=24.5 mm to 367.5 mm: FHD 50.00p/25.00p	
	f=35.4 mm to 531.0 mm: UHD 25.00p	
	Filter Diameter: 67 mm	
	ND Filter: 4 Positions (OFF, 1/4, 1/16, 1/64)	
	Shortest Shooting Distance (M.O.D.):	
	Approx. 1.0 m from the front lens	
<b>Gain Setting</b>		
L/M/H selector switch (toggle switch)		
Standard mode: 0 dB to 30 dB (Adjustable in 1 dB steps)		
(Automatic setting can be assigned to L/M/H)		
Extended ON: -3 dB to 30 dB (Adjustable in 1 dB steps)		
(Automatic setting can be assigned to L/M/H)		
33 dB and 36 dB switched		
(when assigning [S.GAIN] to the USER button)		
<b>Color Temperature Setting</b>	ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)	
<b>Shutter Speed</b>	50i/50p mode: 1/50 sec., 1/60 sec., 1/100 sec.,	
	1/125 sec., 1/180 sec., 1/250 sec., 1/350 sec.,	
	1/500 sec., 1/750 sec., 1/1000 sec., 1/1500 sec.,	
	1/2000 sec., 1/3000 sec., 1/4000 sec., 1/8000 sec.	
	25p mode: 1/25 sec., 1/50 sec., 1/60 sec., 1/100 sec.,	
	1/125 sec., 1/180 sec., 1/250 sec., 1/350 sec.,	
	1/500 sec., 1/750 sec., 1/1000 sec., 1/1500 sec.,	
	1/2000 sec., 1/3000 sec., 1/4000 sec., 1/8000 sec.	
	<b>Shutter Speed (Slow Shutter)</b>	50i/50p mode: 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec., 1/25 sec.
	25p mode: 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec.	
<b>VFR Recording Frame Rate</b>	25p mode: 2, 12, 21, 23, 25, 27, 30, 37, 50 (fps)	
<b>Minimum Subject Illumination</b>	1.1 lx	
	(F2.8, Super Gain 36dB, Manual slow shutter 1/25s)	

<b>Digital Zoom</b>	2x/5x/10x, i.Zoom: max. 25x (optical zoom + digital zoom)
<b>Lens Hood</b>	Hood with lens cover
<b>Memory Card Recorder</b>	
<b>Recording Media*1</b>	SDHC memory card (4 GB to 32 GB), SDXC memory card (48 GB to 128 GB) UHS-I supported
<b>Recording Slot</b>	Slot x 2
<b>System Format</b>	50 Hz
<b>Recording Format</b>	MOV, MP4, AVCHD
<b>Recording Mode</b>	Please see page 1 for the Recording Format table.
<b>Recording Time</b>	Please see below for the Recording Time table.
<b>2 Slot Functions</b>	Relay, Simultaneous
<b>Still Picture Recording Mode</b>	JPEG (DCF/Exif2.2)
<b>Still Picture Recording</b>	Motion Picture Playback: 8.3 M: 3840 x 2160 (16:9), 2.1 M: 1920 x 1080 (16:9), 0.9 M: 1280 x 720 (16:9)
<b>Digital Video</b>	
<b>Video Signal for External Output</b>	8 bit 4:2:2
<b>Recording Video Signal</b>	8 bit 4:2:0
<b>Video Compression Format</b>	MPEG-4 AVC/H.264 High Profile (MOV/MP4/AVCHD)
<b>Digital Audio</b>	
<b>Sampling Frequency</b>	48 kHz/16 bit 2 ch
<b>Audio Signal Format</b>	LPCM (MOV/MP4), Dolby Audio (AVCHD)
<b>Headroom</b>	12 dB
<b>Video Input/Output</b>	
<b>Video Output</b>	VIDEO OUT connector x 1
<b>HDMI</b>	Type A connector x 1, VIERA Link not supported Output format: 2160/25.00p, 1080/50p/25p/50i, 720/50p, 576/50p
<b>Audio Input</b>	
<b>Built-in Microphone</b>	Stereo microphone
<b>XLR Input</b>	XLR (3-pin) x 2 (INPUT1, INPUT2) high impedance, LINE/MIC/MIC+48V (switchable SW) LINE: +4 dBu/0 dBu (switchable menu) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu)
<b>Audio Output</b>	
<b>HDMI (Audio Output)</b>	2 ch (LPCM)
<b>Audio Out</b>	AUDIO OUT x 2
<b>Headphone</b>	3.5 mm diameter stereo mini jack x 1
<b>Speaker</b>	20 mm diameter, round x 1
<b>Other Input/Output</b>	
<b>Camera Remote</b>	2.5 mm diameter super mini jack x1 (ZOOM, S/S) 3.5 mm diameter mini jack x1 (FOCUS, IRIS)
<b>USB 3.0 (Host)</b>	Standard-A connector, 9-pin, external media device connection*2, bus power supported
<b>USB 3.0 (Device)</b>	Micro-B connector, 10-pin, Mass storage function (read only)
<b>DC In 12V</b>	DC 12 V (11.4 V to 12.6 V) EIAJ Type4
<b>Monitor/Viewfinder</b>	
<b>LCD Monitor</b>	3.5-type LCD color monitor, Approx. 1,150,000 dots
<b>View Finder</b>	0.24-type LCD EVF monitor, Approx. 1,560,000 dots equivalent
<b>Included Accessories</b>	Battery (AG-VBR59), Battery charger (AG-BRD50), AC adaptor, Microphone holder, Screw for microphone holder (12 mm), AC cable x 2, Eye cup, Lens hood, INPUT terminal cap, Operating instructions
<b>Note</b>	*1: An SD memory card with a capacity of UHS Speed Class 3 (U3) is required to shoot videos with a bit rate of 100 Mbps or higher. *2: External media devices with a capacity of below 32 GB or a capacity above 2 TB cannot be used.