



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/sk/en/broadcast-proav/professional-camcorders/ag-ux90>

| | |
|---|---|
| General -> Power Supply | DC 7.28 V (when the battery is used) DC 12 V (when the AC adaptor is used) |
| General -> Power Consumption | 12.2 W (when the LCD monitor is used) |
| General -> Operating Temperature | 0 °C to 40 °C (32 °F to 104 °F) |
| General -> Operating Humidity | 10 % to 80 % (no condensation) |
| General -> Weight *1 | Body: Approx. 1.9 kg (4.19 lb) (body only, excluding lens hood, battery, and accessories) Shooting: Approx. 2.3 kg (5.07 lb) (including lens hood, battery, and eye cup) |
| General -> Dimensions *1 | W 169 mm x H 195 mm x D 340 mm (6-21/32 inches x 7-11/16 inches x 13-3/8 inches) (excluding protrusion and eye cup) *W 169 mm x H 195 mm x D 382 mm (6-21/32 inches x 7-11/16 inches x 15-1/32 inches) (including eye cup, excluding protrusion) |
| Camera Unit -> Image Sensor | 1.0-type MOS solid state image sensor |
| Camera Unit -> Number of Pixels | 17.78 megapixel FHD 50.00p/25.00p 8.59 megapixel (UHD 25.00p) |
| Camera Unit -> Lens | 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 59.94p/29.97p/23.98p f=35.4 mm to 531.0 mm: UHD 29.97p/23.98p |
| Camera Unit -> Filter Diameter | 67 mm |
| Camera Unit -> Shortest Shooting Distance (M.O.D.) | Approx. 1.0 m from the front lens |
| Camera Unit -> Optical Filter -> ND Filter | 4 Positions (OFF, 1/4, 1/16, 1/64) |
| Camera Unit -> Gain Setting | L/M/H selector 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) |
| Camera Unit -> Color Temperature Setting | ATW, ATW LOCK, Ach, Bch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K) |
| Camera Unit -> Shutter Speed -> [50.00 Hz] 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. |
| Camera Unit -> Shutter Speed -> [50.00 Hz] 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. |
| Camera Unit -> Shutter Speed (Slow Shutter) -> [50.00 Hz] 50i/50p mode | 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec., 1/25 sec. |
| Camera Unit -> Shutter Speed (Slow Shutter) -> [50.00 Hz] 25p mode | 1/2 sec., 1/3 sec., 1/6 sec., 1/12 sec. |
| Camera Unit -> VFR Recording Frame Rate -> [50.00 Hz] 25p mode | 2, 12, 21, 23, 25, 27, 30, 37, 50 (fps) |
| Camera Unit -> Minimum Subject Illumination | 1.1 lx (F2.8, Super Gain 36 dB, Manual slow shutter 1/25s) |
| Camera Unit -> Digital Zoom | 2x/5x/10x, i.Zoom: max. 25x (optical zoom + digital zoom) |
| Camera Unit -> Lens Hood | Hood with lens cover |
| Memory Card Recorder -> Recording Media | SDHC memory card (4 GB to 32 GB), SDXC memory card (48 GB to 128 GB), UHS-I supported |
| Memory Card Recorder -> Recording Slot | Slot x 2 |

| | |
|--|--|
| Memory Card Recorder -> System Frequency | 50 Hz |
| Memory Card Recorder -> Recording File Format | MOV, MP4, AVCHD |
| Memory Card Recorder -> Still Picture Recording Mode | JPEG (DCF/Exif2.2) |
| Memory Card Recorder -> Still Picture Recording | 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) |
| Memory Card Recorder -> Recording Mode | Recording Mode: Please see the "Recording Format" table. |
| Memory Card Recorder -> Recording Time | Please see the "Recording Time" table. |
| Memory Card Recorder -> 2 Slot Functions | Relay, Simultaneous |
| Digital Video -> Video Compression Format -> MOV | MPEG-4 AVC/H.264 High Profile |
| Digital Video -> Video Compression Format -> MP4 | MPEG-4 AVC/H.264 High Profile |
| Digital Video -> Video Compression Format -> AVCHD | MPEG-4 AVC/H.264 High Profile |
| Digital Video -> External Output Video Signal^{*3} | 8bit 4:2:2 |
| Digital Video -> Recording Video Signal | 8bit 4:2:0 |
| Digital Audio -> Recording Audio Signal | 48 kHz/16 bit 2 ch |
| Digital Audio -> Audio Recording Format | MOV: LPCM MP4: LPCM AVCHD: Dolby Audio |
| Digital Audio -> Headroom | 12 dB |
| Video Input/Output -> VIDEO OUT | VIDEO OUT connector x 1 |
| Video Input/Output -> GL IN/VIDEO OUT | Type A connector x 1, VIERA Link not supported |
| Video Input/Output -> HDMI | Output format: 2160/25.00p, 1080/50p/25p/50i, 720/50p, 576/50 Type A connector x 1, VIERA Link not supported |
| Audio Input/Output -> Built-in Microphone | Output format: 2160/25.00p, 1080/50p/25p/50i, 720/50p, 576/50 Stereo microphone |
| Audio Input/Output -> AUDIO IN | 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) |
| Audio Input/Output -> AUDIO OUT | AUDIO OUT x 2 |
| Audio Input/Output -> HDMI OUT | 2 ch (LPCM) |
| Audio Input/Output -> Headphone | 3.5 mm diameter stereo mini jack x 1 |
| Audio Input/Output -> Built-in Speaker | 20 mm diameter, round x 1 |
| Other Input/Output -> DC IN | DC 12 V (DC 11.4 V to 12.6 V), EIAJ type 4 |
| Other Input/Output -> REMOTE^{*5} | 2.5 mm diameter super mini jack x 1 (ZOOM S/S) 3.5 mm diameter mini jack x 1 (FOCUS IRIS) |
| Other Input/Output -> USB 3.0 (DEVICE) | Micro-B connector, 10-pin, Mass storage function (read only) |
| Other Input/Output -> USB 3.0 (HOST) | Standard-A connector, 9-pin, external media device connection ^{*3} , bus power supported |
| Monitor/Viewfinder -> LCD Monitor | 3.5-type LCD monitor, Approx. 1,150,000 dots |
| Monitor/Viewfinder -> Viewfinder | 0.24-type EVF, Approx. 1,560,000 dots equivalent |

Footnote Description

1. Weight and dimensions shown are approximate.
2. 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.
3. External media devices with a capacity of below 32 GB or a capacity above 2 TB cannot be used.