



**The AW-UB50 and AW-UB10 are box-style cameras with large sensors housed in a compact body, offering excellent resolution and expression capabilities. They adopt a common IP control protocol that enables seamless integration with our remote camera systems**

## **AW-UB10**

The AW-UB50 is equipped with a 24.2-megapixel effective full-size MOS sensor, while the AW-UB10 features a 10.3-megapixel effective 4/3-inch MOS sensor. Both achieve high sensitivity by optimizing dynamic range and signal-to-noise ratio for exceptional resolution, tonal gradation, color reproduction, and low noise. Both models come with Dual Native ISO for high-sensitivity video even in low-light environments, allowing shooting with compact lighting equipment or natural light without significantly compromising video quality. This also reduces the need for extensive post-production work, such as noise reduction. In ISO Auto mode, ISO sensitivity is displayed in real time to visualize noise levels while shooting.

### **Key Features**

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Compact, lightweight

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Interchangeable lens type

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Remote camera integration

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Combination with Pan-Tilt heads (3rd party)



## AW-UB10

<https://latam.connect.panasonic.com/co/es/productos/broadcast-y-proav/aw-ub10>

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| <b>General -&gt; Power Supply</b>                                      | When using Lithium-ion battery pack: 7.28 V<br>When using included AC adapter: 12 V/3 A<br>When using PoE+ compatible hub: IEEE802.3at compliant  |
| <b>General -&gt; Weight</b>  | Approx. 545 g / 1.2 lb (body only)  |
| <b>General -&gt; Dimensions</b>  | W 93.0 mm x 93.0 mm x 78.0 mm<br>(3.66 inches x 3.66 inches x 3.07 inches)<br>(excluding protrusions)   |
| <b>General -&gt; Type</b>  | Interchangeable lens digital camera   |
| <b>Camera Unit -&gt; Imaging Sensor</b>                                | 4/3" MOS x 1  |
| <b>Camera Unit -&gt; Effective Pixels</b>                              | Approx. 10.3 megapixels   |
| <b>Camera Unit -&gt; Latitude</b>                                      | V-Log L: 13 stops   |
| <b>Camera Unit -&gt; Photo Style</b>                                   | PTZ camera (UE160) / Standard / Vivid / Natural / Landscape / Portrait / Cinelike D2 / Cinelike V2 / Like709 / V-LOG L / Hybrid Log Gamma / My Photo Style 1-10   |
| <b>SD Card Recording -&gt; SD Card Type</b>                            | SD Memory Card, SDHC Memory Card, and SDXC Memory Card for dual-slot recording  |
| <b>Footnote Description</b>  | *1 Slots 1 and 2 compatible with UHS-I/UHS-II UHS Speed Class 3 and UHS-II Video Speed Class 90   |
| <b>General -&gt; PoE</b>   | PoE+<br>IEEE802.3at compliant   |
| <b>General -&gt; Power Consumption -&gt; when recording</b>            | 7.9 W (When the interchangeable lens H-ES12060 is attached)   |
| <b>General -&gt; Power Consumption -&gt; when playing back</b>         | 6.7 W (When the interchangeable lens H-ES12060 is attached)   |
| <b>General -&gt; Operating Temperature</b>                             | -10 °C to 40 °C (14 °F to 104 °F)   |
| <b>General -&gt; Operating Humidity</b>                                | 10 % to 80 %  |
| <b>General -&gt; Storage Temperature</b>                               | -20 °C to 60 °C (-4 °F to 140 °F)   |
| <b>General -&gt; Storage Humidity</b>                                  | 0 % to 90 %   |
| <b>General -&gt; Dust Proof</b>  | —   |
| <b>Camera Unit -&gt; Latitude</b>                                      | V-Log L: 13 stops   |
| <b>Camera Unit -&gt; Focus -&gt; Focus mode</b>                        | AF / MF   |
| <b>Camera Unit -&gt; Focus -&gt; AF mode</b>                           | Motion picture: Auto Detection (Face, Eye, Body, Animal) / Tracking / 225-Area / Zone (Oval) / 1-Area<br>Still image: Auto Detection (Face, Eye, Body, Animal) / 225-Area / 1-Area<br>(Tethered photo shooting with LUMIX Tether for Multicam software)   |
| <b>Camera Unit -&gt; ISO Sensitivity (Standard Output Sensitivity)</b> | AUTO / 160 to 51200 (When [Extended ISO] is set: AUTO / 80 to 204800)<br>AUTO / 0 dB to 50 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 62 dB)<br>* ISO sensitivity can be changed in 1/3EV steps   |
| <b>Camera Unit -&gt; Dual Native ISO -&gt; Normal</b>                  | [AUTO] Base sensitivity: ISO160/800 (dB display values are based on ISO160)<br>AUTO / 160 to 51200 (When [Extended ISO] is set: AUTO / 80 to 204800)<br>AUTO / 0 dB to 50 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 62 dB)<br>[LOW] Base sensitivity: ISO160<br>AUTO / 160 to 800 (When [Extended ISO] is set: AUTO / 80 to 800)<br>AUTO / 0 dB to 14 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 14 dB)<br>[HIGH] Base sensitivity: ISO800<br>AUTO / 800 to 51200 (When [Extended ISO] is set: AUTO / 800 to 204800)<br>AUTO / 0 dB to 36 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 48 dB)         |
| <b>Camera Unit -&gt; Dual Native ISO -&gt; PTZ Camera (AW-UE160)</b>   | [AUTO] Base sensitivity: ISO320/1600 (dB display values are based on ISO320)<br>AUTO / 320 to 51200 (When [Extended ISO] is set: AUTO / 160 to 204800)<br>AUTO / 0 dB to 44 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 56 dB)<br>[LOW] Base sensitivity: ISO320<br>AUTO / 320 to 1600 (When [Extended ISO] is set: AUTO / 160 to 1600)<br>AUTO / 0 dB to 14 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 14 dB)<br>[HIGH] Base sensitivity: ISO1600<br>AUTO / 1600 to 51200 (When [Extended ISO] is set: AUTO / 1600 to 204800)<br>AUTO / 0 dB to 30 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 42 dB) |

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| <b>Camera Unit -&gt; Dual Native ISO -&gt; V-Log</b>                         | [AUTO] Base sensitivity: ISO400/2000 (dB display values are based on ISO400)<br>AUTO / 400 to 25600<br>AUTO / 0 dB to 36 dB<br>[LOW] Base sensitivity: ISO400<br>AUTO / 400 to 2000<br>AUTO / 0 dB to 14 dB<br>[HIGH] Base sensitivity: ISO2000<br>AUTO / 2000 to 25600<br>AUTO / 0 dB to 22 dB   |
| <b>Camera Unit -&gt; Dual Native ISO -&gt; HLG</b>                           | [AUTO] Base sensitivity: ISO320/1600 (dB display values are based on ISO320)<br>AUTO / 320 to 51200 (When [Extended ISO] is set: AUTO / 320 to 204800)<br>AUTO / 0 dB to 44 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 56 dB)<br>[LOW] Base sensitivity: ISO320<br>AUTO / 320 to 1600<br>AUTO / 0 dB to 14 dB<br>[HIGH] Base sensitivity: ISO1600<br>AUTO / 1600 to 51200 (When [Extended ISO] is set: AUTO / 1600 to 204800)<br>AUTO / 0 dB to 30 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 42 dB)  |
| <b>Camera Unit -&gt; Dual Native ISO -&gt; Cinelike D2/V2</b>                | [AUTO] Base sensitivity: ISO160/800 (dB display values are based on ISO160)<br>AUTO / 160 to 51200 (When [Extended ISO] is set: AUTO / 80 to 204800)<br>AUTO / 0 dB to 50 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 62 dB)<br>[LOW] Base sensitivity: ISO160<br>AUTO / 160 to 800 (When [Extended ISO] is set: AUTO / 80 to 800)<br>AUTO / 0 dB to 14 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 14 dB)<br>[HIGH] Base sensitivity: ISO800<br>AUTO / 800 to 51200 (When [Extended ISO] is set: AUTO / 800 to 204800)<br>AUTO / 0 dB to 36 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 48 dB) |
| <b>Camera Unit -&gt; Creative Video Mode</b>                                 | [Custom Mode C1] to [Custom Mode C12]   |
| <b>Camera Unit -&gt; Exposure Compensation</b>                               | Motion picture: 1/3 EV step $\pm$ 3 EV<br>Still image: 1/3 EV step $\pm$ 5 EV<br>* Tethered photo shooting with LUMIX Tether for Multicam software.   |
| <b>Camera Unit -&gt; Exposure Bracketing</b>                                 | —   |
| <b>Camera Unit -&gt; Light metering system/mode</b>                          | 1728-zone metering,<br>multi-metering / center-weighted metering / spot metering / highlight-weighted metering (only for video)   |
| <b>Camera Unit -&gt; Shutter Speed-&gt; Still</b>                            | 1/16,000 - 1 (Tethered photo shooting with LUMIX Tether for Multicam software)  |
| <b>Camera Unit -&gt; Shutter Speed-&gt; Movie</b>                            | 1/16,000 - 1/2  |
| <b>Camera Unit -&gt; White Balance</b>                                       | AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent lights / White Set 1, 2, 3, 4 / Color temperature 1, 2, 3, 4   |
| <b>Camera Unit -&gt; Still Picture Recording -&gt; Recording file format</b> | JPEG (DCF, Exif 2.31)<br>* Tethered photo shooting with LUMIX Tether for Multicam software  |
| <b>Camera Unit -&gt; Still Picture Recording -&gt; File size</b>             | 3680 x 2760 (L) / 2592 x 1944 (M) / 1824 x 1368 (S)   |



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| <b>Camera Unit -&gt; Recording Format (MP4) -&gt; System frequency: 59.94Hz Image Area of Video: FULL</b>                | 3840x2160 (4K), 59.94p, 100Mbps (420/10bit LongGOP), H.265/HEVC, AAC<br>3840x2160 (4K), 29.97p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC<br>3840x2160 (4K), 23.98p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC<br>3840x2160 (4K), 29.97p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>3840x2160 (4K), 23.98p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 59.94p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 29.97p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 23.98p, 24Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC   |
| <b>Camera Unit -&gt; Recording Format (MP4) -&gt; System frequency: 59.94Hz Image Area of Video: PIXEL/PIXEL</b>         | 1920x1080 (FHD), 59.94p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 29.97p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 23.98p, 24Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC   |
| <b>Camera Unit -&gt; Recording Format (MP4) -&gt; System frequency: 50.00Hz Image Area of Video: FULL</b>                | 3840x2160 (4K), 50.00p, 100Mbps (420/10bit LongGOP), H.265/HEVC, AAC<br>3840x2160 (4K), 25.00p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC<br>3840x2160 (4K), 25.00p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 50.00p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 25.00p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC  |
| <b>Camera Unit -&gt; Recording Format (MP4) -&gt; System frequency: 50.00Hz Image Area of Video: S35mm / PIXEL/PIXEL</b> | 1920x1080 (FHD), 50.00p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC<br>1920x1080 (FHD), 25.00p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC  |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 59.94Hz Image Area of Video: FULL</b>           | 1920x1080 (FHD), 59.94p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 29.97p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 23.98p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 151 or more.  |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 59.94Hz Image Area of Video: S35mm</b>          | —   |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 59.94Hz Image Area of Video: PIXEL/PIXEL</b>    | 1920x1080 (FHD), 59.94p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 29.97p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 23.98p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 201 or more.  |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 50.00Hz Image Area of Video: FULL</b>           | 4096x2160 (C4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>3840x2160 (4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>3328x2496 (4:3 [Anamorphic 4K]), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>1920x1080 (FHD), 50.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 25.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 50.00Hz Image Area of Video: S35mm</b>          | —   |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 50.00Hz Image Area of Video: PIXEL/PIXEL</b>    | 1920x1080 (FHD), 50.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>1920x1080 (FHD), 25.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 201 or more.   |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 24.00Hz Image Area of Video: FULL</b>           | 4096x2160 (C4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>3840x2160 (4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>3328x2496 (4:3 [Anamorphic 4K]), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM<br>1920x1080 (FHD), 24.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 151 or more.  |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 24.00Hz Image Area of Video: S35mm</b>          | —   |
| <b>Camera Unit -&gt; Recording Format (MOV, VFR) -&gt; System frequency: 24.00Hz Image Area of Video: PIXEL/PIXEL</b>    | 1920x1080 (FHD), 24.00p (Maximum output of sensor is 240fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM*<br>* Angle of view narrows if you select a frame rate with a number of frames 201 or more.  |

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| <b>Camera Unit -&gt; Picture Adjustment</b>  | Contrast*1 / Highlight*1 / Shadow*1 / Saturation*2 / Color Tone*2 / Sharpness / Noise Reduction / Dual Native ISO Setting / ISO / WB<br>*1: Excluding Like709/V-Log/Like2100 (HLG) *2: Excluding V-Log   |
| <b>Camera Unit -&gt; Continuous Shooting</b>   | —  |
| <b>Input Connector -&gt; DC IN</b>   | DC 12 V (11.4–12.6 V), EIAJ Type4、PoE+ (IEEE802.3at compliant)   |
| <b>Input Connector -&gt; External Microphone</b>                                     | φ3.5 mm for external microphone / external audio device<br>MIC (Plug-in Power) / MIC / LINE is selectable  |
| <b>Input Connector -&gt; AUDIO IN</b>  | XLR (3-pin) x 2 (INPUT1, INPUT2)<br>LINE / MIC / MIC+48V is selectable   |
| <b>Input Connector -&gt; GENLOCK IN</b>  | BNC x 1  |
| <b>Output Connector -&gt; HDMI</b>   | HDMI Type A  |
| <b>Output Connector -&gt; SDI OUT</b>  | BNC x 1、0.8V[p-p]、75Ω、3G-SDI   |
| <b>Output Connector -&gt; Headphone</b>  | φ3.5mm   |
| <b>Input/Output Connector -&gt; TC IN/OUT</b>  | BNC x 1  |
| <b>Input/Output Connector -&gt; USB</b>  | USB Type-C (uper Speed USB3.1 GEN1)  |
| <b>Input/Output Connector -&gt; LAN</b>  | Remote Control: LAN Terminal (RJ-45)<br>Power Supply: PoE+ (IEEE802.3at compliant)   |
| <b>Input/Output Connector -&gt; REMOTE IN</b>  | φ2.5mm   |
| <b>Streaming-&gt; Compatible Protocol</b>  | RTP / RTSP   |
| <b>Streaming-&gt; Streaming Image Quality -&gt; System frequency: 59.94Hz (NTSC)</b> | H.264<br>3840x2160 (4K), 59.94p, 50Mbps<br>3840x2160 (4K), 59.94p, 25Mbps<br>3840x2160 (4K), 29.97p, 25Mbps<br>3840x2160 (4K), 29.97p, 12.5Mbps<br>1920x1080 (FHD), 59.94p, 16Mbps<br>1920x1080 (FHD), 59.94p, 8Mbps<br>1920x1080 (FHD), 29.97p, 6Mbps<br>1920x1080 (FHD), 29.97p, 3Mbps<br>1280x720 (HD), 59.94p, 6Mbps<br>1280x720 (HD), 29.97p, 4Mbps<br><br>H.265<br>3840x2160 (4K), 59.94p, 50Mbps<br>3840x2160 (4K), 59.94p, 25Mbps<br>3840x2160 (4K), 29.97p, 25Mbps<br>3840x2160 (4K), 29.97p, 12.5Mbps<br>1920x1080 (FHD), 59.94p, 20Mbps<br>1920x1080 (FHD), 59.94p, 16Mbps<br>1920x1080 (FHD), 29.97p, 12Mbps<br>1920x1080 (FHD), 29.97p, 6Mbps |
| <b>Streaming -&gt; Streaming Image Quality -&gt; System frequency: 50.00Hz (PAL)</b> | H.264<br>3840x2160 (4K), 50.00p, 50Mbps<br>3840x2160 (4K), 50.00p, 25Mbps<br>3840x2160 (4K), 25.00p, 25Mbps<br>3840x2160 (4K), 25.00p, 12.5Mbps<br>1920x1080 (FHD), 50.00p, 16Mbps<br>1920x1080 (FHD), 50.00p, 8Mbps<br>1920x1080 (FHD), 25.00p, 6Mbps<br>1920x1080 (FHD), 25.00p, 3Mbps<br>1280x720 (HD), 50.00p, 6Mbps<br>1280x720 (HD), 25.00p, 4Mbps<br><br>H.265<br>3840x2160 (4K), 50.00p, 50Mbps<br>3840x2160 (4K), 50.00p, 25Mbps<br>3840x2160 (4K), 25.00p, 25Mbps<br>3840x2160 (4K), 25.00p, 12.5Mbps<br>1920x1080 (FHD), 50.00p, 20Mbps<br>1920x1080 (FHD), 50.00p, 16Mbps<br>1920x1080 (FHD), 25.00p, 12Mbps<br>1920x1080 (FHD), 25.00p, 6Mbps |