



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-UB50

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

Compact, lightweight

Interchangeable lens type

Remote camera integration

Combination with Pan-Tilt heads (3rd party)



AW-UB50

<https://latam.connect.panasonic.com/co/en/products/broadcast-proav/aw-ub50>

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| General -> Power Supply | When using Lithium-ion battery pack: 7.28 V When using included AC adapter: 12 V/3 A When using PoE+ compatible hub: IEEE802.3at compliant |
| General -> Weight | Approx. 585 g / 1.29 lb (Body only) |
| General -> Dimensions | W 93.0 mm x 93.0 mm x 78.8 mm (3.66 inches x 3.66 inches x 3.1 inches) (excluding protrusions) |
| Camera Unit -> Imaging Sensor | 35 mm full-size (35.6 mm x 23.8mm) MOS x 1 |
| Camera Unit -> Effective Pixels | Approx. 24.2 megapixels |
| Camera Unit -> Latitude | V-Log: 14+ stops |
| Camera Unit -> Photo Style | PTZ camera (UE160) / Standard / Vivid / Natural / Flat / Landscape / Portrait / Cinelike D2 / Cinelike V2 / Like709 / V-LOG / 2100-like (HLG) / My Photo Style 1-10 |
| SD Card Recording -> Recording Media | SD Memory Card, SDHC Memory Card, and SDXC Memory Card for dual-slot recording |
| Footnote Description | *1 Slots 1 and 2 compatible with UHS-I/UHS-II UHS Speed Class 3 and UHS-II Video Speed Class 90 |
| General -> PoE | PoE+ IEEE802.3at compliant |
| General -> Power Consumption -> when recording | 8.1 W (When the interchangeable lens S-R24105 is attached) |
| General -> Power Consumption -> when playing back | 6.9 W (When the interchangeable lens S-R24105 is attached) |
| General -> Operating Temperature | -10 °C to 40 °C (14 °F to 104 °F) |
| General -> Operating Humidity | 10 % to 80 % |
| General -> Storage Temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| General -> Storage Humidity | 0 % to 90 % |
| General -> Dust Proof | — |
| General -> Type | — |
| Camera Unit -> Latitude | V-Log: 14+ stops |
| Camera Unit -> Focus -> Focus mode | AF / MF |
| Camera Unit -> Focus -> AF mode | Motion picture: Auto Detection (Face, Eye, Body, Animal) / Tracking / 225-Area / Zone (Oval) / 1-Area Still image: Auto Detection (Face, Eye, Body, Animal) / 225-Area / 1-Area (Tethered photo shooting with LUMIX Tether for Multicam software) |
| Camera Unit -> ISO Sensitivity (Standard Output Sensitivity) | AUTO / 100 to 51200 (When [Extended ISO] is set: AUTO / 50 to 204800) AUTO / 0 dB to 54 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 66 dB) * ISO sensitivity can be changed in 1/3EV steps |
| Camera Unit -> Dual Native ISO -> Normal | [AUTO] Base sensitivity: ISO100/640 (dB display values are based on ISO100) AUTO / 100 to 51200 (When [Extended ISO] is set: AUTO / 50 to 204800) AUTO / 0 dB to 54 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 66 dB) [LOW] Base sensitivity: ISO100 AUTO / 100 to 800 (When [Extended ISO] is set: AUTO / 50 to 800) AUTO / 0 dB to 18 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 18 dB) [HIGH] Base sensitivity: ISO640 AUTO / 640 to 51200 (When [Extended ISO] is set: AUTO / 320 to 204800) AUTO / 0 dB to 38 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 50 dB) |
| Camera Unit -> Dual Native ISO -> PTZ Camera (AW-UE160) | [AUTO] Base sensitivity: ISO400/2500 (dB display values are based on ISO400) AUTO / 400 to 51200 (When [Extended ISO] is set: AUTO / 400 to 204800) AUTO / 0 dB to 42 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 54 dB) [LOW] Base sensitivity: ISO400 AUTO / 400 to 3200 AUTO / 0 dB to 18 dB [HIGH] Base sensitivity: ISO2500 AUTO / 2500 to 51200 (When [Extended ISO] is set: AUTO / 2500 to 204800) AUTO / 0 dB to 26 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 38 dB) |
| Camera Unit -> Dual Native ISO -> V-Log | [AUTO] Base sensitivity: ISO640/4000 (dB display values are based on ISO640) AUTO / 640 to 51200 (When [Extended ISO] is set: AUTO / 320 to 51200) AUTO / 0 dB to 38 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 38 dB) [LOW] Base sensitivity: ISO640 AUTO / 640 to 5000 (When [Extended ISO] is set: AUTO / 320 to 5000) AUTO / 0 dB to 18 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 18 dB) [HIGH] Base sensitivity: ISO4000 AUTO / 4000 to 51200 (When [Extended ISO] is set: AUTO / 2000 to 51200) AUTO / 0 dB to 22 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 22 dB) |

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| Camera Unit -> Dual Native ISO -> HLG | [AUTO] Base sensitivity: ISO400/2500 (dB display values are based on ISO400) AUTO / 400 to 51200 (When [Extended ISO] is set: AUTO / 400 to 204800) AUTO / 0 dB to 42 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 54 dB) [LOW] Base sensitivity: ISO400 AUTO / 400 to 3200 AUTO / 0 dB to 18 dB [HIGH] Base sensitivity: ISO2500 AUTO / 2500 to 51200 (When [Extended ISO] is set: AUTO / 2500 to 204800) AUTO / 0 dB to 26 dB (When [Extended Gain Setting] is set: AUTO / 0 dB to 38 dB) |
| Camera Unit -> Dual Native ISO -> Cinelike D2/V2 | [AUTO] Base sensitivity: ISO200/1250 (dB display values are based on ISO200) AUTO / 200 to 51200 (When [Extended ISO] is set: AUTO / 100 to 204800) AUTO / 0 dB to 48 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 60 dB) [LOW] Base sensitivity: ISO200 AUTO / 200 to 1600 (When [Extended ISO] is set: AUTO / 100 to 1600) AUTO / 0 dB to 18 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 18 dB) [HIGH] Base sensitivity: ISO1250 AUTO / 1250 to 51200 (When [Extended ISO] is set: AUTO / 640 to 204800) AUTO / 0 dB to 32 dB (When [Extended Gain Setting] is set: AUTO / -6 dB to 44 dB) |
| Camera Unit -> Creative Video Mode | [Custom Mode C1] to [Custom Mode C12] |
| Camera Unit -> Exposure Compensation | Motion picture: 1/3 EV step \pm 3 EV Still image: 1/3 EV step \pm 5 EV * Tethered photo shooting with LUMIX Tether for Multicam software. |
| Camera Unit -> Exposure Bracketing | — |
| Camera Unit -> Light metering system/mode | 1728-zone metering, multi-metering / center-weighted metering / spot metering / highlight-weighted metering (only for video) |
| Camera Unit -> Shutter Speed-> Still | 1/8,000 - 1 (Tethered photo shooting with LUMIX Tether for Multicam software) |
| Camera Unit -> Shutter Speed-> Movie | 1/16,000 - 1/2 |
| Camera Unit -> White Balance | AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent lights / White Set 1, 2, 3, 4 / Color temperature 1, 2, 3, 4 |
| Camera Unit -> Still Picture Recording -> Recording file format | JPEG (DCF, Exif 2.31) * Tethered photo shooting with LUMIX Tether for Multicam software |
| Camera Unit -> Still Picture Recording -> File size | 6000 x 4000 (L) / 4272 x 2848 (M) / 3024 x 2016 (S) |
| Camera Unit -> Recording Format (MOV) -> System frequency: 59.94Hz Image Area of Video: FULL | 5952x3968 (3:2 6K), 23.98p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 5376x3584 (3:2 5.4K), 29.97p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 5888x3312 (16:9 5.9K), 29.97p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 5888x3312 (16:9 5.9K), 23.98p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 4096x2160 (C4K), 29.97p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 4096x2160 (C4K), 23.98p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 29.97p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 23.98p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 119.88p, 150Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 1920x1080 (FHD), 59.94p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 59.94i, 100Mbps (422/10bit ALL-I) / 50Mbps (422/10bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 47.95p, 100Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 1920x1080 (FHD), 29.97p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 23.98p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |

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| Camera Unit -> Recording Format (MOV) -> System frequency: 59.94Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 59.94p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 4096x2160 (C4K), 59.94p, 150Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 4096x2160 (C4K), 47.95p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 4096x2160 (C4K), 29.97p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 4096x2160 (C4K), 23.98p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 59.94p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 3840x2160 (4K), 59.94p, 150Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 47.95p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 3840x2160 (4K), 29.97p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 23.98p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 47.95p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 29.97p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 23.98p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 119.88p, 150Mbps (420/10bit LongGOP), H.265/HEVC, LPCM* |
| | 1920x1080 (FHD), 59.94p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 59.94i, 100Mbps (422/10bit ALL-I) / 50Mbps (422/10bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 47.95p, 100Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 1920x1080 (FHD), 29.97p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 23.98p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | * Available only for S35mm; not compatible with PIXEL/PIXEL combination (Recording time limit: No time restriction). |
| | |
| Camera Unit -> Recording Format (MOV) -> System frequency: 50.00Hz Image Area of Video: FULL | 5376x3584 (3:2 5.4K), 25.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 5888x3312 (16:9 5.9K), 25.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 4096x2160 (C4K), 25.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 25.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 100.00p, 150Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 1920x1080 (FHD), 50.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 50.00i, 100Mbps (422/10bit ALL-I) / 50Mbps (422/10bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 25.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | |
| Camera Unit -> Recording Format (MOV) -> System frequency: 50.00Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 50.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 4096x2160 (C4K), 50.00p, 150Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 4096x2160 (C4K), 25.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 50.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 3840x2160 (4K), 50.00p, 150Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 25.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 50.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 50.00p, 150Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3328x2496 (4:3 [Anamorphic 4K], 25.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 100.00p, 150Mbps (420/10bit LongGOP), H.265/HEVC, LPCM* |
| | 1920x1080 (FHD), 50.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 50.00i, 100Mbps (422/10bit ALL-I) / 50Mbps (422/10bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 25.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | * Available only for S35mm; not compatible with PIXEL/PIXEL combination (Recording time limit: No time restriction). |
| | |
| Camera Unit -> Recording Format (MOV) -> System frequency: 24.00Hz Image Area of Video: FULL | 5952x3968 (3:2 6K), 24.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 5888x3312 (16:9 5.9K), 24.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 4096x2160 (C4K), 24.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 3840x2160 (4K), 24.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| | 1920x1080 (FHD), 48.00p, 100Mbps (420/10bit LongGOP), H.265/HEVC, LPCM |
| | 1920x1080 (FHD), 24.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |

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| Camera Unit -> Recording Format (MOV) -> System frequency: 24.00Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 48.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 4096x2160 (C4K), 24.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 48.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 3840x2160 (4K), 24.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 [Anamorphic 4K], 48.00p, 200Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 3328x2496 (4:3 [Anamorphic 4K], 24.00p, 400Mbps (422/10bit ALL-I) / 150Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 48.00p, 100Mbps (420/10bit LongGOP), H.265/HEVC, LPCM 1920x1080 (FHD), 24.00p, 200Mbps (422/10bit ALL-I) / 100Mbps (422/10bit LongGOP) / 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| Camera Unit -> Recording Format (MP4) -> System frequency: 59.94Hz Image Area of Video: FULL | 3840x2160 (4K), 29.97p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 23.98p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 29.97p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 3840x2160 (4K), 23.98p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 59.94p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 29.97p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 23.98p, 24Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC |
| Camera Unit -> Recording Format (MP4) -> System frequency: 59.94Hz Image Area of Video: PIXEL/PIXEL | 3840x2160 (4K), 59.94p, 100Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 29.97p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 23.98p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 29.97p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 3840x2160 (4K), 23.98p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 59.94p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 29.97p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 23.98p, 24Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC |
| Camera Unit -> Recording Format (MP4) -> System frequency: 50.00Hz Image Area of Video: FULL | 3840x2160 (4K), 25.00p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 25.00p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 50.00p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 25.00p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC |
| Camera Unit -> Recording Format (MP4) -> System frequency: 50.00Hz Image Area of Video: S35mm / PIXEL/PIXEL | 3840x2160 (4K), 50.00p, 100Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 25.00p, 72Mbps (420/10bit LongGOP), H.265/HEVC, AAC 3840x2160 (4K), 25.00p, 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 50.00p, 28Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC 1920x1080 (FHD), 25.00p, 20Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, AAC |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 59.94Hz Image Area of Video: FULL | 1920x1080 (FHD), 59.94p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 29.97p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 23.98p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 59.94Hz Image Area of Video: S35mm | 4096x2160 (C4K), 29.97p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 4096x2160 (C4K), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 29.97p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 29.97p (Maximum output of sensor is 50fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 23.98p (Maximum output of sensor is 48fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 59.94p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 29.97p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 23.98p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 59.94Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 29.97p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 4096x2160 (C4K), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 29.97p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 29.97p (Maximum output of sensor is 50fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 [Anamorphic 4K], 23.98p (Maximum output of sensor is 48fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 29.97p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 23.98p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 50.00Hz Image Area of Video: FULL | 1920x1080 (FHD), 50.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 25.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |

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| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 50.00Hz Image Area of Video: S35mm | 4096x2160 (C4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 25.00p (Maximum output of sensor is 50fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 50.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* 1920x1080 (FHD), 25.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 50.00Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 25.00p (Maximum output of sensor is 50fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 25.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 24.00Hz Image Area of Video: FULL | 1920x1080 (FHD), 24.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 24.00Hz Image Area of Video: S35mm | 4096x2160 (C4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 Anamorphic 4K), 24.00p (Maximum output of sensor is 48fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 24.00p (Maximum output of sensor is 180fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM* * Angle of view narrows if you select a frame rate with a number of frames 151 or more. |
| Camera Unit -> Recording Format (MOV, VFR) -> System frequency: 24.00Hz Image Area of Video: PIXEL/PIXEL | 4096x2160 (C4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3840x2160 (4K), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 3328x2496 (4:3 [Anamorphic 4K], 24.00p (Maximum output of sensor is 48fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM 1920x1080 (FHD), 24.00p (Maximum output of sensor is 60fps), 100Mbps (420/8bit LongGOP), H.264/MPEG-4 AVC, LPCM |
| Camera Unit -> Picture Adjustment | Contrast*1 / Highlight*1 / Shadow*1 / Saturation*2 / Color Tone*2 / Sharpness / Noise Reduction / Dual Native ISO Setting / ISO / WB *1: Excluding Like709/V-Log/Like2100 (HLG) *2: Excluding V-Log |
| Camera Unit -> Continuous Shooting | — |
| Input Connector -> DC IN | DC 12 V (11.4–12.6 V), EIAJ Type4, PoE+ (IEEE802.3at compliant) |
| Input Connector -> External Microphone | φ3.5 mm for external microphone / external audio device MIC (Plug-in Power) / MIC / LINE is selectable |
| Input Connector -> AUDIO IN | XLR (3-pin) x 2 (INPUT1, INPUT2) LINE / MIC / MIC+48V is selectable |
| Input Connector -> GENLOCK IN | BNC x 1 |
| Output Connector -> HDMI | HDMI Type A |
| Output Connector -> SDI OUT | BNC x 1, 0.8V[p-p], 75Ω, 3G-SDI |
| Output Connector -> Headphone | φ3.5mm |
| Input/Output Connector-> TC IN/OUT | BNC x 1 |
| Input/Output Connector -> USB | USB Type-C (uper Speed USB3.1 GEN1) |
| Input/Output Connector -> LAN | Remote Control: LAN Terminal (RJ-45) Power Supply: PoE+ (IEEE802.3at compliant) |
| Input/Output Connector -> REMOTE IN | φ2.5mm |
| Streaming-> Compatible Protocol | RTP / RTSP |
| Streaming-> Streaming Image | H.264 |
| Quality -> System frequency: 59.94Hz (NTSC) | 3840x2160 (4K), 59.94p, 50Mbps 3840x2160 (4K), 59.94p, 25Mbps 3840x2160 (4K), 29.97p, 25Mbps 3840x2160 (4K), 29.97p, 12.5Mbps 1920x1080 (FHD), 59.94p, 16Mbps 1920x1080 (FHD), 59.94p, 8Mbps 1920x1080 (FHD), 29.97p, 6Mbps 1920x1080 (FHD), 29.97p, 3Mbps 1280x720 (HD), 59.94p, 6Mbps 1280x720 (HD), 29.97p, 4Mbps H.265 3840x2160 (4K), 59.94p, 50Mbps 3840x2160 (4K), 59.94p, 25Mbps 3840x2160 (4K), 29.97p, 25Mbps 3840x2160 (4K), 29.97p, 12.5Mbps 1920x1080 (FHD), 59.94p, 20Mbps 1920x1080 (FHD), 59.94p, 16Mbps 1920x1080 (FHD), 29.97p, 12Mbps 1920x1080 (FHD), 29.97p, 6Mbps |

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| Streaming -> Streaming Image | H.264 |
| Quality -> System frequency: 50.00Hz (PAL) | 3840x2160 (4K), 50.00p, 50Mbps |
| | 3840x2160 (4K), 50.00p, 25Mbps |
| | 3840x2160 (4K), 25.00p, 25Mbps |
| | 3840x2160 (4K), 25.00p, 12.5Mbps |
| | 1920x1080 (FHD), 50.00p, 16Mbps |
| | 1920x1080 (FHD), 50.00p, 8Mbps |
| | 1920x1080 (FHD), 25.00p, 6Mbps |
| | 1920x1080 (FHD), 25.00p, 3Mbps |
| | 1280x720 (HD), 50.00p, 6Mbps |
| | 1280x720 (HD), 25.00p, 4Mbps |
| | H.265 |
| | 3840x2160 (4K), 50.00p, 50Mbps |
| | 3840x2160 (4K), 50.00p, 25Mbps |
| | 3840x2160 (4K), 25.00p, 25Mbps |
| | 3840x2160 (4K), 25.00p, 12.5Mbps |
| | 1920x1080 (FHD), 50.00p, 20Mbps |
| | 1920x1080 (FHD), 50.00p, 16Mbps |
| | 1920x1080 (FHD), 25.00p, 12Mbps |
| | 1920x1080 (FHD), 25.00p, 6Mbps |