



4K Multi Purpose Camera with B4 mount for Various Applications

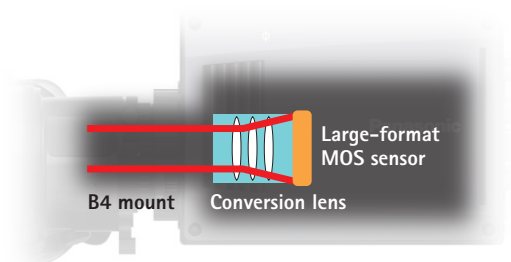
The AK-UB300 provides the excellent compact camerawork and 4K image quality you need for sports and other live events. It also can achieve 4K image in excellent choice for aerial shooting from a helicopter etc.

To maximize flexibility and handle a wide range of needs, the AK-UB300 has a digital haze clear function to watch traffic of road or harbor. It provides 4K output (3G x 4) and HD-SDI output simultaneously, various focus assist functions and HD cut-out picture.

In addition, HD-IP streaming and IP control enable system integration with AW series remote panels.

New-generation 4K video

Applying built in conversion lens, 2/3-type lens can be used with this 4K large-format camera without an adapter and achieves excellent image quality. The new imaging system makes maximum use of incident light to achieve a wide dynamic range.



* Images are simulated.

Supported Formats

[UHD]: 3840 x 2160/59.94p, 3840 x 2160/29.97p, 3840 x 2160/23.98p, 3840 x 2160/50p, 3840 x 2160/25p

[HD]: 1080/59.94p, 1080/59.94i, 1080/29.97PsF, 1080/23.98PsF, 1080/23.98p (over 59.94i), 1080/50p, 1080/50i, 1080/25PsF, 720/59.94p, 720/50p

4K Multi Purpose Camera AK-UB300

Intelligent Automatic Adjust Functions

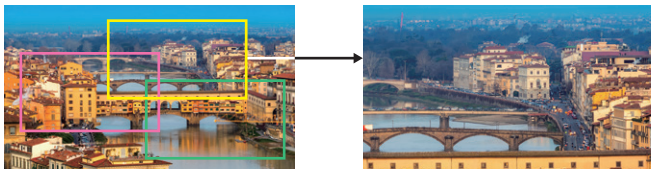
Auto tracing white balance function

Automatically adjusts the white balance in even outdoor environments where the color temperature changes every second.

Automatic gain control

It not only has automatic iris control, but it also comes with a reduced shock, contiguous automatic variable gain control with a range of -6 dB to +36 dB. Moreover, the AGC allows you to choose between the normal mode, favor movement, favor clarity.

HD Cut-out Picture



Out of three cropped memories, one image can be cut-out.

Digital Haze Clear



Three levels of haze removal can be applied.

* Images are simulated.

Specifications

| | | | |
|---------------------------|---|---|---------------------------------------|
| Power Supply | DC 12V (DC 11 V ~ 17 V) | | |
| Operating Temperature | -10°C to 45°C (14°F to 113°F) (Preheating required at temperatures below 0°C) | | |
| Storage Temperature | -20°C to 60°C (-4°F to 140°F) | | |
| Weight | Approx. 1.6 kg (3.52 lb) | | |
| Dimensions (W x H x D) | 110 mm x 141 mm x 160 mm (4-11/32 inches x 5-9/16 inches x 6-5/16 inches) (excluding protrusions) | | |
| Image Sensor | 11 million pixels MOS x 1 | | |
| Lens Mount | 2/3-type bayonet | | |
| ND Filter | CLEAR, 1/4, 1/16, 1/64 | | |
| Gain | -6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36 dB | | |
| Frame Mix | 6, 12, 18, 24 dB | | |
| Sensitivity | [NORMAL MODE] F6 (2000 lx, 3200 K, when white reflectivity is 89.9%, 1080/59.94i) F7 (2000 lx, 3200 K, when white reflectivity is 89.9%, 1080/50i) [HIGH SENS MODE] F10 (2000 lx, 3200 K, when white reflectivity is 89.9%, 1080/59.94i) F11 (2000 lx, 3200 K, when white reflectivity is 89.9%, 1080/50i) | | |
| S/N | 60 dB typ. (DNR ON) | | |
| Horizontal Resolution | HD: 1000TV lines or above (center) UHD: 1800TV lines or above (center) | | |
| Synchronization system | Internal and external synchronization (Tri-level SYNC/Black Burst) | | |
| Digital Extender | 2x | | |
| HD Cut-out | 3 memories | | |
| Digital Haze Clear | ON/OFF | | |
| FBC | ON/OFF | | |
| Focus Assist | In RED, In GREEN, BAR, MAG (x2) | | |
| Scan Reverse | H, V, H+V | | |
| IP Streaming | H.264, MJPEG | | |
| Control | IP, Serial | | |
| Interface | Video | | |
| | HD SDI OUT1 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | HD SDI OUT2 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | UHD/HD SDI OUT1 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | UHD/HD SDI OUT2 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | UHD/HD SDI OUT3 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | UHD/HD SDI OUT4 | BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω | |
| | Other | GENLOCK IN | BNC x 1, 1.0 V [p-p], 75 Ω |
| | | I/F | D-SUB 15pin |
| | | LAN | 100BASE-TX/10BASE-T |
| | | TALLY OUT | 4pin |
| | | IRIS | 12pin |
| | | ZOOM/FOCUS | 12pin |
| | | DC IN | XLR x 1, 4pin, DC12V (DC 11 V ~ 17 V) |

Panasonic®

[Countries and Regions]

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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)