



4K Multi Purpose Camera

AK-UB300GJ

4K Multi Purpose Camera which provides both high-image quality and precise operation for sports, remote studios, live concerts and aerial shooting applications. It is compatible with pan/tilt systems and thanks to its compact body, light weight and LAN control, it can be mounted on a pantilt configuration - from both Panasonic and 3rd party systems. Thanks to its 4-position ND filter wheel (ND1/4, ND1/16, ND1/64), the camera can be used in very bright conditions.

Key Features

High sensitivity (F10/2000lx) and low noise (S/N 60dB)

Built-in optical conversion lens allows standard 2/3-type B4 mount lenses to be used & a 4K large-format sensor is used to achieve excellent image quality, by making maximum use of incident light.

Simultaneous UHD (4x3G-SDI) and HD (3G-SDI) outputs [4K] 3G-SDI×4: 3840×2160/50p, 25p, 24p [HD] 3G-SDI: 1080/50p, 50i, 25p*1, 24p (Native), 25PsF, 24PsF, 720/50P

HD cropping function allows the user to get a cropped HD image from a 4K picture with four times more zoom

Supporting IP streaming and IP control: Streaming video output is available in up to four simultaneous H.264 streams, at a wide range of data rates. Control via LAN simplifies the installation and makes the camera compatible with a variety of remote controllers.





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<https://eu.connect.panasonic.com/gb/en/products/broadcast-proav/ak-ub300gj>

Power	DC12 V (DC11 V - 17 V)
Power Consumption	40 W (body only, when 3G SDI x 4 is output) 60 W (maximum power when all accessories are connected and each output terminal is outputting at maximum)
Ambient Operating Temperature	-10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0 °C (32 °F) or below)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Ambient Operating Humidity	85% or less (relative humidity)
Weight	Approx. 1.6 kg (3.53 lbs.) (body only)
Dimensions (W x H x D)	Body only 110 mm x 140 mm x 160 mm (4-11/32 inches x 5-17/32 inches x 6-5/16 inches) (excluding protrusions)
Pickup Devices	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
Total Gain	Selectable from 6, 12, 18, 24 dB
Shutter Speed	<ul style="list-style-type: none"> • [60p]/[59.94i]/[59.94p] mode: 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [29.97p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [23.98p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [50i]/[50p] mode: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds • [25p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 seconds
Synchro Scan Shutter	<ul style="list-style-type: none"> • 180.0 deg, 172.8 deg, 144.0 deg, 120.0 deg, 90.0 deg, 45.0 deg • [60p]/[59.94i]/[59.94p] mode: 1/61.7 to 1/6130 seconds • [29.97p] mode: 1/30.9 to 1/2600 seconds • [23.98p] mode: 1/24.7 to 1/2880 seconds • [50i]/[50p] mode: 1/51.5 to 1/6250 seconds • [25p] mode: 1/25.7 to 1/3130 seconds
Shutter Open Angle	3 deg to 359.5 deg (can be set in 0.5 deg steps)
Sensitivity	[NORMAL]: F6 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i) F7 (2000 lx, 3200 K, 89.9% reflection, 1080/50i) [HIGH SENS]: F10 (2000 lx, 3200 K, 89.9% reflection, 1080/59.94i) F11 (2000 lx, 3200 K, 89.9% reflection, 1080/50i)
Minimum Subject Brightness	Approx. 0.01 lx (50%, F1.4, +36 dB (gain), +24 dB (total gain), 29.97p/59.94 Hz, 25p/50 Hz)
Image S/N	60 dB (standard) ([DNR] = [ON])
Horizontal Resolution	HD: 1000 TV lines or above (center) UHD: 1800 TV lines or above (center)
[HD SDI Out 1] Terminal	BNC x 1 3G/1.5G HD SDI: 0.8 V [p-p], 75 Ω
[HD SDI Out 2] Terminal	BNC x 1 1.5G SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI Out 1] Terminal	BNC x 1 3G/1.5G SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI Out 2] Terminal	BNC x 1 3G/1.5G SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI Out 3] Terminal	BNC x 1 3G/1.5G SDI: 0.8 V [p-p], 75 Ω
[UHD/HD SDI Out 4] Terminal	BNC x 1 3G/1.5G SDI: 0.8 V [p-p], 75 Ω
[G/L In] Terminal	BNC x 1, 1.0 V [p-p], 75 Ω
[I/F] Terminal	D-SUB x 1, 15-pin
[Tally Out] Terminal	4-pin x 1
[IRIS] Terminal	12-pin x 1
[Zoom/Focus] Terminal	12-pin x 1
[LAN] Terminal	100BASE-TX/10BASE-T
[DC In] Terminal	XLR x 1, 4-pin, DC12 V (DC11 V - 17 V)