

4K Studio Camera

AK-UC4000

High End System Camera Setting a New Standard in 4K/HD HDR Acquisition



KEY FEATURES

- 4.4K Sensor Camera with 2/3 type B4 Lens Mount
- UHD 12G-SDI (x2) and TICO over SDI
- 2x, 3x, or 4x HD Slow Motion Output
- Future SMPTE 2110 MoIP Upgrade Path
- Integrated Arena Wireless Options

The AK-UC4000 studio camera is yet another Panasonic innovation in broadcast technology. Users can operate the camera in both 4K and HD modes. In HD mode the AK-UC4000 produces HD images with high sensitivity and low noise. In addition to the functions appreciated in previous studio camera series such as DRS and CineGamma, the AK-UC4000 adds new features such as focus assist, flash band compensation, and skew reduction, which is realized through high-speed scan from the MOS sensor. There are additional functions to improve shooting experience including enhanced shock less gain (-6 dB to 36 dB), a user gamma function, black gamma correction according to the pedestal setting, multi-step DNR and easy matrix adjustment. AK-UC4000 Series achieves excellent image quality and operability.

When paired with the AK-UCU600 Camera Control Unit, the UC4000 is capable of 4K image production and uncompressed long-distance transmission. The AK-HRP1000 and HRP1005 Remote Operation Panels are equipped with a color LCD to provide visibility of the display for smooth control. The camera and camera control unit can be connected for approximately 2,000-meter long-distance transmission of video signals when power is supplied

from the camera control unit. The remote operation panel and the camera can be connected using a dedicated cable.

The AK-HVF100 230mm LCD color view finder is equipped with a large display and diverse functions. The focus assist functions include Focus Bar (indicates focus level), Focus-in-Red (uses color to indicate areas in focus), Expand (magnifies central portion), and Square (shows focus status of screen as a whole).

Overall, the AK-UC4000 and AW-UCU600 system offers superior cost performance with respect to both operability and ease of use.

SPECIFICATIONS

Power Supply	DC 12 V (when using an external power supply) AC 240 V, 50 Hz/60 Hz (when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ)
Power Consumption	119 W (maximum for the camera only, when connecting to an external 12 V) 360 W (when connecting to an AKUCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ)
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)
Operating Humidity	85% or less (relative humidity)
Weight	Approx. 4.5 kg (9.90 lb) (body only)
Dimensions (W x H x D)	Body only 151 mm x 267 mm x 371.5 mm (5-31/32 inches x 10-17/32 inches x 14-21/32 inches) (excluding protrusions)
Pickup Device	11.14 million pixels, MOS x 1
Optical Filter	CC: 3200 K, 4300 K, 6300 K, Cross, Diffusion ND: CAP, Clear, 1/4, 1/16, 1/64
Lens Mount	2/3-type bayonet
Sensitivity	Two shooting modes [HIGH SENS]: F10 (59.94 Hz)/F11 (50 Hz) [NORMAL]: F6 (59.94 Hz)/F7 (50 Hz) 2000 lx, 3200 K, when white reflectivity is 89.9%
Horizontal Resolution	4K: 2000 TV lines or above (center) AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/ AK-UCU600ESJ output HD: 1000 TV lines or above (center)
S/N	62 dB or above
Horizontal Modulation	50% or above (27.5 MHz)
Gain Switching	[NORMAL]: ?6, ?3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36 [HIGH SENS]: ?6, ?3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
Shutter Speed	?[59.94i]/[59.94p] mode: 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 ?[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 ?[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 ?[50i]/[50p] mode: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 ?[25p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
terminal	BNC x 1 HD (3G/1.5G): 0.8 V [p-p], 75 ?
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terminal	BNC x 1 Functions as terminal/ terminal by switching the setting in the menu : 1.5G-SDI: 0.8 V [p-p], 75? : VBS signal 1 V [p-p], 75 ?
terminal	BNC x 1 : Tri-level SYNC or BB (black burst) : VBS signal 1 V [p-p], 75 ? Functions as when standalone, and as when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ

terminal	XLR x 1, 3-pin (female) // switchable For ./ switchable : 0 dBu, +4 dBu menu selection available : -60 dBu, -40 dBu, or -20 dBu menu can be selected
terminal	XLR x 1, 3-pin (female) // switchable : 0 dBu, +4 dBu menu selection available : -60 dBu, -40 dBu, or -20 dBu menu can be selected
terminal (front)	XLR x 1, 3-pin Switchable with terminal
terminal	XLR x 1, 5-pin (female)
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terminal	Stereo mini jack x 1
terminal	Optical composite connector x 1, Tajimi/LEMO
terminal	12-pin x 1
terminal	20-pin x 1
terminal (rear)	29-pin x 1
terminal	XLR x 1, 4-pin, DC 12 V
terminal	4-pin x 1
terminal	6-pin x 1
terminal	20-pin x 1, DC 12 V, 0.5 A
terminal	10-pin x 1
terminal	12-pin x
terminal	2-pin x 1, DC 12 V 2.5 A
terminal	RJ-45 x 1
terminal (host)	Type A connector, DC 5 V, 0.5 A
Build-up Terminal	20-pin x 1

URL: <https://business.panasonic.co.uk/professional-camera/ak-uc4000>

CONTACT

Web: <https://business.panasonic.co.uk/professional-camera/contact-us>