



UHD System Camera Channel

AK-UC3000

UHD system camera system for live OB and studio production, concert and live event capture, and higher education

Key Features

UHD system camera channel equipped with a newly-developed single 4K sensor

Supports 4K and HD acquisition simultaneously

The combination of larger pixels and optical expansion makes efficient use of incident light to achieve high sensitivity (F11@50p), low noise (S/N 60dB), chromatic aberration compensation and HDR capabilities

Built-in optical conversion lens allows standard 2/3-type B4 mount lenses to be used

IP streaming and IP control is supported



AK-UC3000

<https://eu.connect.panasonic.com/lu/en/products/broadcast-proav/ak-uc3000>

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|---------------------------------------|---|
| Power Supply | DC 12 V (when using an external power supply) AC 240 V, 50 Hz/60 Hz (when AK-UCU500P/AK-UCU500PS/ AK-UCU500E/AK-UCU500ES is connected) |
| Power Consumption | 119 W (maximum, when connecting to an external 12 V and including supply to an externally connected devices) 360 W (maximum, when AK-UCU500P/AK-UCU500PS/ AK-UCU500E/AK-UCU500ES is connected and including supply to an externally connected devices) |
| 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. 4.4 kg (9.70 lbs.) (body only, excluding the accessories) |
| 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 Devices | 11 million pixels, CMOS 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: 1800 TV lines or above (center, AK-UCU500P/ AK-UCU500PS/AK-UCU500E/AK-UCU500ES output) HD: 1000 TV lines or above (center) |
| S/N | 60 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 |
| [HD SDI 1] Terminal | BNC x 1 HD (3G/1.5G): 0.8 V [p-p], 75 ohm |
| [HD SDI 2] Terminal | BNC x 1 HD (3G/1.5G): 0.8 V [p-p], 75 ohm |
| [AUX] terminal | BNC x 1 Functions as terminal/ terminal by switching the setting in the menu : HD (1.5G) : VBS signal 1 V [p-p], 75 ohm |
| [G/L IN/PROMPTER OUT] terminal | BNC x 1 : Tri-level SYNC or BB (black burst) : VBS signal 1 V [p-p], 75 ohm Functions as when standalone, and as when AK-UCU500P/ AK-UCU500PS/ AK-UCU500E/AK-UCU500ES is connected |
| [MIC 1] terminal | XLR x 1, 3-pin // switchable For , / switchable : 0 dBu, +4 dBu menu selection available : -60 dBu, -40 dBu, or -20 dBu menu can be selected |

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| [MIC 2] terminal | XLR x 1, 3-pin // switchable : 0 dBu, +4 dBu menu selection available : -60 dBu, -40 dBu, or -20 dBu menu can be selected |
| [MIC] terminal (front) | XLR x 1, 3-pin Switchable with terminal |
| [Intercom 1] Terminal | XLR x 1, 5-pin |
| [Intercom 2] Terminal | XLR x 1, 5-pin |
| [EARPHONE] terminal | Stereo mini jack x 1, 3-pin |
| [OPT FIBER] terminal | Optical composite connector x 1 |
| [LENS] terminal | 12-pin x 1 |
| [VF] terminal | 20-pin x 1 |
| [VF] terminal (rear) | 29-pin x 1 |
| [DC In] Terminal | XLR x 1, 4-pin, DC 12 V |
| [DC Out 12V 1A] Terminal | 4-pin x 1 |
| [RET CTRL] terminal | 6-pin x 1 |
| [EXT I/O] terminal | 20-pin x 1, DC 12 V, 0.5 A |
| [Remote] Terminal | 10-pin x 1 |
| [TRUNK] terminal | 12-pin x |
| [DC OUT 12V 2.5A] terminal | 2-pin x 1 |
| [LAN] Terminal | RJ-45 x 1 |
| [USB2.0] terminal (host) | Type A connector, DC 5 V, 0.5 A |
| Build-up Terminal | 20-pin x 1 |