



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

AK-UC4000

The AK-UC4000 camera offers the high video quality that is only possible with a large sensor, along with a wide range of 4K acquisition with the latest functions such as HDR, BT.2020 and high-speed shooting*. The camera keeps up with diversifying systems with features such as 12G-SDI, TICO*2, over SDI (4K over 3G-SDI) output and MoIP**, making it suitable not only for studio production but for a wide range of operations such as sports and events.

Key Features

4.4K Sensor Camera with 2/3 type B4

UHD 12G SDI output (x2) and TICO via SDI output (x1)* *Output from the AK-UCU600 Camera Control Unit

Supports high-speed 2x, 3x or 4x output in HD mode* *Output from the AK-UCU600 Camera Control Unit

Future SMPTE 2110 MoIP Upgrade Path

Supports HDR(HLG) and ITU-R BT.2020



AK-UC4000

<https://ap.connect.panasonic.com/th/en/ak-uc4000>

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|---|---|
| General -> 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) |
| General -> Power Consumption | 119 W (maximum for the camera only, when connecting to an external 12 V) 360 W (when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ) |
| General -> Operating Temperature | -10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0 °C (32 °F) or below) |
| General -> Operating Humidity | 85 % or less (relative humidity) |
| General -> Storage Temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| General -> Weight | Approx. 4.5 kg (9.90 lb) (body only) |
| General -> Dimensions | W 151 mm x H 267 mm x D 371.5 mm (5-31/32 inches x 10-17/32 inches x 14-21/32 inches) (excluding protrusions) |
| Camera Unit -> Pickup Device | 11.14 megapixel, MOS x 1 |
| Camera Unit -> Optical Filter -> CC | 3200 K, 4300 K, 6300 K, Cross, Diffusion |
| Camera Unit -> Optical Filter -> ND | CAP, Clear, 1/4, 1/16, 1/64 |
| Camera Unit -> Lens Mount | 2/3-type bayonet |
| Camera Unit -> Sensitivity | Two shooting modes. 2000 lx, 3200 K, when white reflectivity is 89.9% [HIGH SENS] F10 (59.94 Hz) / F11 (50 Hz) [NORMAL] F6 (59.94 Hz) / F7 (50 Hz) |
| Camera Unit -> Horizontal Resolution > 4K | -2000 TV lines or above (center, AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ output) |
| Camera Unit -> Horizontal Resolution > HD | -1000 TV lines or above (center) |
| Camera Unit -> S/N | 62 dB or above |
| Camera Unit -> Horizontal Modulation | 50 % or above (27.5 MHz) |
| Camera Unit -> Gain Switching -> HIGH SENS | -6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36 |
| Camera Unit -> Gain Switching -> NORMAL | -6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36 |
| Camera Unit -> Shutter Speed -> [59.94i]/[59.94p] mode | 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 |
| Camera Unit -> Shutter Speed -> [50i]/[50p] mode | 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 |
| Camera Unit -> Shutter Speed -> [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 |
| Camera Unit -> Shutter Speed -> [25p] mode | 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 |
| Camera Unit -> Shutter Speed -> [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 |
| Camera Unit | 2160/59.94p, 50p, 29.97p, 25p, 23.98p, 1080/59.94p, 59.94p-120/180/240 fps, 50p, 50p-100/150/200 fps, 29.97p, 25p, 23.98p |
| Video Input/Output - > < HD-SDI1 > Terminal | BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω |
| Video Input/Output - > < HD-SDI2 > Terminal | BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω |
| Video Input/Output - > < AUX > Terminal | BNC x 1 Functions as terminal/ terminal by switching the setting in the menu : 1.5G-SDI: 0.8 V [p-p], 75Ω : VBS signal 1 V [p-p], 75 Ω |
| Video Input/Output - > < G/L IN/PROMPTER OUT > Terminal | BNC x 1 : Tri-level SYNC or BB (black burst) : VBS signal 1 V [p-p], 75 Ω Functions as when standalone, and as when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ |

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|--|---|
| Audio Input/Output - > < MIC 1 > 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 |
| Audio Input/Output - > < MIC 2 > 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 |
| Audio Input/Output - > < MIC > Terminal (front) | XLR x 1, 3-pin (female) Switchable with terminal |
| Intercom - > < INTERCOM1 > Terminal | XLR x 1, 5-pin (female) |
| Intercom - > < INTERCOM2 > Terminal | XLR x 1, 5-pin (female) |
| Intercom - > < EARPHONE > Terminal | Stereo mini jack x 1 |
| Other Input/Output - > < OPT FIBER > Terminal | Optical composite connector x 1, Tajimi/LEMO |
| Other Input/Output - > < LENS > Terminal | 12-pin x 1 |
| Other Input/Output - > < VF > Terminal | 20-pin x 1 |
| Other Input/Output - > < VF > Terminal (rear) | 29-pin x 1 |
| Other Input/Output - > < DC IN > Terminal | XLR x 1, 4-pin, DC 12 V |
| Other Input/Output - > < RET CTRL > Terminal | 6-pin x 1 |
| Other Input/Output - > < EXT I/O > Terminal | 20-pin x 1, DC 12 V 0.5 A |
| Other Input/Output - > < REMOTE > Terminal | 10-pin x 1 |
| Other Input/Output - > < TRUNK > Terminal | 12-pin x 1 |
| Other Input/Output -> < DC OUT 12V 2.5A > Terminal | 2-pin x 1, DC 12 V 2.5 A |
| Other Input/Output -> DC OUT 12 V 1 A Terminal | 4-pin x 1 |
| Other Input/Output - > < LAN > Terminal | RJ-45 x 1 |
| Other Input/Output - > < USB2.0 > Terminal (host) | Type A connector, DC 5 V 0.5 A |
| Other Input/Output -> Build-up Terminal | 20-pin x 1 |