



## 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

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4.4K Sensor Camera with 2/3 type B4

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

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

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Future SMPTE 2110 MoIP Upgrade Path

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



## AK-UC4000

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

<b>General -&gt; Power Supply</b>	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)
<b>General -&gt; Power Consumption</b>	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)
<b>General -&gt; Operating Temperature</b>	-10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0 °C (32 °F) or below)
<b>General -&gt; Operating Humidity</b>	85 % or less (relative humidity)
<b>General -&gt; Storage Temperature</b>	-20 °C to 60 °C (-4 °F to 140 °F)
<b>General -&gt; Weight</b>	Approx. 4.5 kg (9.90 lb) (body only)
<b>General -&gt; Dimensions</b>	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)
<b>Camera Unit -&gt; Pickup Device</b>	11.14 megapixel, MOS x 1
<b>Camera Unit -&gt; Optical Filter -&gt; CC</b>	3200 K, 4300 K, 6300 K, Cross, Diffusion
<b>Camera Unit -&gt; Optical Filter -&gt; ND</b>	CAP, Clear, 1/4, 1/16, 1/64
<b>Camera Unit -&gt; Lens Mount</b>	2/3-type bayonet
<b>Camera Unit -&gt; Sensitivity</b>	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)
<b>Camera Unit -&gt; Horizontal Resolution &gt; 4K</b>	-2000 TV lines or above (center, AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ output)
<b>Camera Unit -&gt; Horizontal Resolution &gt; HD</b>	-1000 TV lines or above (center)
<b>Camera Unit -&gt; S/N</b>	62 dB or above
<b>Camera Unit -&gt; Horizontal Modulation</b>	50 % or above (27.5 MHz)
<b>Camera Unit -&gt; Gain Switching -&gt; HIGH SENS</b>	-6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
<b>Camera Unit -&gt; Gain Switching -&gt; NORMAL</b>	-6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
<b>Camera Unit -&gt; Shutter Speed -&gt; [59.94i]/[59.94p] mode</b>	1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [50i]/[50p] mode</b>	1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [29.97p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [25p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [23.98p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit</b>	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
<b>Video Input/Output - &gt; &lt; HD-SDI1 &gt; Terminal</b>	BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω
<b>Video Input/Output - &gt; &lt; HD-SDI2 &gt; Terminal</b>	BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω
<b>Video Input/Output - &gt; &lt; AUX &gt; Terminal</b>	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
<b>Video Input/Output - &gt; &lt; G/L IN/PROMPTER OUT &gt; Terminal</b>	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

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