



**4K Studio Camera that realizes excellent color reproduction with high sensitivity and low noise**

## **AK-UC3300**

The AK-UC3300, a 4K Studio Camera system equipped with a large S35mm MOS 4K sensor to deliver high quality video. Ideal for a variety of production applications, such as broadcast studio, live events and eSports.

### **Key Features**

4K video output with horizontal / vertical resolution of 2,000 TV lines with a large 11-megapixel image sensor.

Supports 1/100 second high-speed reading to rolling shutter distortion.

Supports High Dynamic Range (HLG) and ITU-R BT.2020 wide color space. (with AK-UCU600 connected)

Supports HD Hi-Speed (2x). (with AK-UCU600 connected)

12G-SDI output/ TICO over SDI output (with AK-UCU600 connected). SMPTE ST2110 supported with optional (with AK-NP600).



AK-UC3300

<https://ap.connect.panasonic.com/vn/vi/ak-uc3300>

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| <b>General -&gt; Power Supply</b>                                       | DC 12 V (when using an external power supply)<br>AC 240 V, 50 Hz/60 Hz<br>(when AK-UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ is connected)  |
| <b>General -&gt; Power Consumption</b>                                  | 119 W (maximum, when connecting to an external 12 V and including supply to an externally connected devices)<br>170 W (maximum, when AK-UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ is connected and including supply to an externally connected devices) |
| <b>General -&gt; Operating Temperature</b>                              | -10 °C to 45 °C (14 °F to 113 °F)<br>(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. 4.3 kg (9.46 lbs.) (body only, excluding the accessories)   |
| <b>General -&gt; Dimensions</b>   | W 151 mm x H 267 mm x D 374 mm<br>(5-31/32 inches x 10-17/32 inches x 14-23/32 inches)<br>(excluding protrusions)   |
| <b>Camera Unit -&gt; Pickup Device</b>                                  | 11.14 million pixels, MOS Sensor  |
| <b>Camera Unit -&gt; Optical Filter -&gt; ND</b>                        | 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<br>[HIGH SENS] F10 (59.94 Hz)/F11 (50 Hz)<br>[NORMAL] F6 (59.94 Hz)/F7 (50 Hz)<br>2000 lx, 3200 K, when white reflectivity is 89.9%  |
| <b>Camera Unit -&gt; Horizontal Resolution</b>                          | > 4K<br>-2000 TV lines or above (center, AK-UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ output)   |
| <b>Camera Unit -&gt; Horizontal Resolution</b>                          | > HD<br>-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>  | 3840 x 2160/59.94p/50p/29.97p/25p/23.98p<br>1920 x 1080/59.94p/59.94p(2x)/50p/50p(2x)/29.97p/25p/23.98p   |
| <b>Video Input/Output - &gt; &lt; HD-SDI1 &gt; Terminal</b>             | BNC x 1<br>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<br>3G/1.5G-SDI: 0.8 V [p-p], 75 Ω   |
| <b>Video Input/Output - &gt; &lt; AUX &gt; Terminal</b>                 | BNC x 1<br>Functions as terminal/ terminal<br>by switching the setting in the menu<br>: 1.5G-SDI: 0.8 V [p-p], 75 Ω<br>: 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<br>: Tri-level SYNC or black burst<br>: VBS signal 1 V [p-p], 75 Ω<br>Functions as when standalone, and as<br>when AK-UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ is connected  |
| <b>Audio Input/Output - &gt; &lt; MIC 1 &gt; Terminal</b>               | XLR x 1, 3-pin ( female )<br>// switchable<br>For , / switchable<br>: 0 dBu, +4 dBu menu selection available<br>: -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 )<br>// switchable<br>: 0 dBu, +4 dBu menu selection available<br>: -60 dBu, -40 dBu, or -20 dBu menu can be selected   |

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| <b>Audio Input/Output - &gt; &lt; MIC &gt; Terminal (front)</b>    | XLR x 1, 3-pin ( female )<br>Switchable with terminal |
| <b>Intercom - &gt; &lt; INTERCOM1 &gt; Terminal</b>                | XLR x 1, 5-pin, female type                           |
| <b>Intercom - &gt; &lt; INTERCOM2 &gt; Terminal</b>                | XLR x 1, 5-pin, female type                           |
| <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                       |
| <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   |
| <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   |