



**4K Studio Camera with superior flexibility and futureproof IP**

## **AK-UCX100**

The new AK-UCX100GSJ 4K studio camera is fully equipped to meet the demands for high-quality video and innovative on-sight live production in the IP era, including studio work, sports broadcasting and stage productions.

### **Key Features**

---

Independent operation without a CCU

---

Supports 12G-SDI (x2), SMPTE ST 2110, NDI® High Bandwidth, SRT, and more

---

Supports network redundancy (SMPTE ST 2110)

---

Simultaneous HDR/HLG (BT.2020) and SDR (BT.709)

---

2,000 TVL horizontal and vertical resolution



## AK-UCX100

<https://latam.connect.panasonic.com/br/en/products/broadcast-proav/ak-ucx100>

<b>General -&gt; Power Supply</b>	DC 12 V (when using an external power supply)
	AC 240 V, 50 Hz/60 Hz(AK-UCU710/AK-UCU710S/AK-UCU700/AK-UCU700S/AK-CFA100 in connected)
<b>General -&gt; Power Consumption</b>	119 W (maximum, when connecting to external 12V and including supply to externally connected devices)
	360 W (maximum, when AK-UCU710/AK-UCU710S/AK-UCU700/AK-UCU700S/AK-CFA100 is connected and including supply to an externally connected device)
<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. 4.55 kg (9.90 lbs.) (body only, excluding the accessories)
<b>General -&gt; Dimensions</b>	W 157 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>	19.29 million pixels, MOS sensor
<b>Camera Unit -&gt; Optical Filter -&gt; ND</b>	CLEAR, 1/2, 1/4, 1/16, 1/64
<b>Camera Unit -&gt; Optical Filter -&gt; FX</b>	CLEAR, CLEAR (Option*), CROSS, Diffusion, CAP
	*Option: HD Low Pass filter
<b>Camera Unit -&gt; Lens Mount</b>	2/3-type bayonet
<b>Camera Unit -&gt; Sensitivity</b>	[LOW LIGHT]: 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%
<b>Camera Unit -&gt; Horizontal Resolution</b>	> 4K
<b>Camera Unit -&gt; Horizontal Resolution</b>	> HD
<b>Camera Unit -&gt; S/N</b>	62 dB or above
<b>Camera Unit -&gt; Gain Switching -&gt; NORMAL</b>	-6, -3, 0, 3, 6, 9, 12, 15, 18
<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>	3840x2160/59.94p/50p/29.97p/25p/23.98p
	1920x1080/59.94p/50p/29.97p/25p/23.98p
<b>Video Input/Output - &gt; &lt; SDI OUT1 &gt; Terminal</b>	BNC x 1
	12G/3G/1.5G-SDI: 0.8 V [p-p] , 75 Ω
<b>Video Input/Output - &gt; &lt; SDI OUT2 &gt; Terminal</b>	BNC x 1
	12G/3G/1.5G-SDI: 0.8 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)
	: black signal without burst
<b>Video Input/Output -&gt; &lt; TRUNK IN &gt; Terminal</b>	BNC x 1
	3G/1.5G-SDI: 0.8 V [p-p] , 75 Ω
<b>Video Input/Output - &gt; &lt; G/L IN/REF OUT &gt; Terminal</b>	BNC x 1
	: Tri-level SYNC or BB (black burst)
	: black signal without burst
<b>Audio Input/Output - &gt; &lt; MIC 1 &gt; Terminal</b>	XLR x 1, 3-pin female type
	// 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 type
	// 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>	XLRx1, 3-pin female type
	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, 3-pin
<b>Other Input/Output - &gt; &lt; OPT FIBER &gt; Terminal</b>	Optical composite connector x 1
<b>Other Input/Output -&gt; &lt; SFP 1 &gt; Terminal</b>	SFP28 x 1
<b>Other Input/Output -&gt; &lt; SFP 2 &gt; Terminal</b>	SFP28 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, DC12 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, DC12 V, 0.5 A
<b>Other Input/Output - &gt; &lt; REMOTE &gt; Terminal</b>	10-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
<b>Other Input/Output -&gt; &lt; USB3.0 &gt; Terminal (host)</b>	Type C connector (USB Power Delivery)
<b>Other Input/Output -&gt; Build-up Terminal</b>	20-pin x 1

