



**A CCU suporta saída simultânea UHD e HD e ainda possui um tamanho compacto. O modo HD permite saída em 240p, 180p e 120p durante a filmagem normal.**

## AK-UCU600

Com a unidade de controle de câmera (CCU) AK-UCU600, a transmissão de longa distância não compactada de sinais de vídeo 4K/HD via fibra óptica é suportada. Os painéis de operação remota (ROP) AK-HRP1000GJ/1005GJ são equipados com um display LCD colorido que oferece excelente visibilidade e funções para resposta rápida. Este sistema alcança vídeo de alta qualidade e excelente operabilidade. Nos casos em que a energia é fornecida pela CCU, é possível transmitir a longa distância de até aprox. 2.000 m entre a câmera e a CCU. A distância pode ser estendida até 10.000 m fornecendo uma fonte de alimentação local na cabeça da câmera e usando fibra óptica monomodo de uso geral. Entre a CCU e o ROP, além de uma linha serial dedicada, também é suportada conexão IP via cabo LAN.

### Key Features

Contém um sistema UHD 12G-SDI duplo e suporta quad link 3G-SDI e intercalação de duas amostras

Transmissão por fibra óptica de sinais de vídeo não comprimidos a uma distância de aprox. 2.000 m entre a câmera e a CCU

Suporta saída TICO sobre SDI (4K sobre 3G-SDI) (o sinal 4K pode ser transferido por um cabo 3G-SDI convencional)

Suporta saída simultânea HDR/SDR e saída simultânea HDR BT2020/B709

Suporta streaming de IP (100 Base-T)





## AK-UCU600

<https://latam.connect.panasonic.com/br/pt/products/broadcast-proav/ak-ucu600>

<b>Camera Control Unit (CCU) -&gt; General</b>	AK-UCU600PJ/AK-UCU600PSJ 100 V - 120 V AC, 50 Hz/60 Hz
<b>-&gt; Power Supply</b>	AK-UCU600EJ/AK-UCU600ESJ 100 V - 240 V AC, 50 Hz/60 Hz
<b>Camera Control Unit (CCU) -&gt; General</b>	500 W (Without camera connected: 90 W)
<b>-&gt; Power Consumption</b>	
<b>Camera Control Unit (CCU) -&gt; General</b>	240 V AC (tolerance: 5 %), 1.46 A, 50 Hz / 60 Hz
<b>-&gt; Capacity for Supplying Power to a Camera</b>	
<b>Camera Control Unit (CCU) -&gt; General</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>-&gt; Operating Temperature</b>	
<b>Camera Control Unit (CCU) -&gt; General</b>	10 % to 90 % (no condensation)
<b>-&gt; Humidity</b>	
<b>Camera Control Unit (CCU) -&gt; General</b>	Approx. 8.9 kg (19.6 lb)
<b>-&gt; Weight</b>	
<b>Camera Control Unit (CCU) -&gt; General</b>	W 424 mm x H 88 mm x D 401 mm (16-5/8 inches x 3-7/16 inches x 15-13/16 inches)
<b>-&gt; Dimensions</b>	(excluding protrusions)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Video Output&lt;sup&gt;*2&lt;/sup&gt;</b>	3G/HD-SDI:5 lines (embedded audio is supported only for HD signals)
	12G/6G/3G/HD-SDI:2 lines
	HD-SDI:1 line (shared with picture monitor output)
	Analog composite:2 lines (1 line shared with picture monitor output <sup>*1</sup> )
<b>Camera Control Unit (CCU) -&gt; Input/Output</b>	HD-SDI 1 line (HD TRUNK output)
	3G/HD-SDI 1 line (TICO output)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Return Input</b>	3G-HD/HD/SD-SDI 4 lines (RET1 input has active-through output)
	Analog composite 1 line
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Prompter Input</b>	HD-SDI 1 line (with active-through output)
	Analog composite 2 lines (through output of 1 and input of 2 share the connector <sup>*1</sup> )
	It is not terminated when the unit is turned OFF. No through output.
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Reference Input</b>	BB (black burst) / tri-level <sup>*3</sup> : 1 line
	(automatic termination, connect to upper connector; BB signal and tri-level <sup>*3</sup> signal automatically recognized, with loop-through output)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Microphone Output</b>	0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; Communication</b>	Intercom input/output (ENG / PROD, 0 dBm, 600 Ω (4 W) / 1 V [p-p], 200 Ω (RTS), 4 W / RTS / CLRCOM):2 lines <sup>*1</sup>
	PGM input (0 dBm/600 Ω):2 lines <sup>*1</sup>
	Tally input (red, green, yellow):1 input each
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; AUX</b>	WFM control
	6-bit (open collector output <sup>*1</sup> , terminal shared with camera microphone gain setting <sup>*1</sup> )
	Camera microphone gain setting input
	5-bit (photo-coupler input <sup>*1</sup> , terminal shared with WFM control <sup>*1</sup> )
	Down-conversion system setting input 2-bit (photo-coupler input)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; TRUNK&lt;sup&gt;*1&lt;/sup&gt;</b>	RS-422 / RS-232C 2 lines
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; ROP</b>	RS-422
	1 line, 16 V DC output (only one of this and FRONT/REAR ROP can be selected at one time via the menu or the [ROP FRONT/REAR] selection switch on the front panel)
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; MSU</b>	RS-422 1 line, GPI for control
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; LAN TRUNK</b>	LAN connection with camera side via an optical cable <sup>*4</sup>
	1 line, 100BASE-TX, 1000BASE-T
<b>Camera Control Unit (CCU) -&gt; Input/Output -&gt; LAN</b>	Personal computer connection for distribution via the Web <sup>*4</sup>
	1 line, 10BASE-T, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)
<b>IP/12G/3G Interface Kit AK-NP600G -&gt;0 °C to 40 °C (32 °F to 104 °F)</b>	
<b>General -&gt; Operating Temperature</b>	
<b>IP/12G/3G Interface Kit AK-NP600G -&gt;10% to 90% (no condensation)</b>	
<b>General -&gt; Operating Humidity</b>	
<b>IP/12G/3G Interface Kit AK-NP600G -&gt;Approx. 284 g (0.63 lbs) (including radiator fins)</b>	
<b>General -&gt; Weight</b>	

<b>IP/12G/3G Interface Kit AK-NP600G</b>	->W 175.5 mm x H 28.8 mm x D 138.5 mm
<b>General -&gt; Dimensions</b>	(6-29/32 inches x 1-1/8 inches x 5-7/16 inches)
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 12G / 6G / 3G / 1.5G HD SDI : 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>UHD/HS/HD SDI</b>	
<b>OUT1</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 12G / 6G / 3G / 1.5G HD SDI: 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>UHD/HS/HD SDI</b>	
<b>OUT2</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 3G / 1.5G HD SDI: 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>UHD/HS/HD SDI</b>	
<b>OUT3</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 3G / 1.5G HD SDI: 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>UHD/HS/HD SDI</b>	
<b>OUT4</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 1.5G HD SDI when HD TRUNK, 3G / 1.5G HD SDI when TICO : 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>HD TRUNK/TICO</b>	
<b>OUT</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- BNC x 1, 1.5G HD SDI: 0.8 V [p-p], 75 Ω
> <b>Input/Output</b> - > < <b>HD SDI/PROMPT</b>	
<b>IN</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- SFP+ x 1, 10GBASE-LR
> <b>Input/Output</b> - > < <b>SFP+ 1</b>	> slot
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- SFP+ x 1, 10GBASE-LR
> <b>Input/Output</b> - > < <b>SFP+ 2</b>	> slot
<b>IP/12G/3G Interface Kit AK-NP600G</b>	- RJ-45 x 1
> <b>Input/Output</b> - > < <b>LAN2</b>	> terminal
<b>IP/12G/3G Interface Kit AK-NP600G</b>	->Pillar (M3 x H20) x 1, Options rear panel x 1, Power cable x 1, Heat-transfer sheet x 1,
<b>Bundled Items</b>	askets x 2
<b>Footnote Description</b>	

Depending on the setting, only one of them can be selected at one time.

For details on output formats, please see the "Supported formats".

The BB (black burst) signal and tri-level sync signal of the reference input are recognized automatically.

IP video cannot be transmitted when [CCU MODE] is set to [2160/23.98p], [2160/23.98PsF], [1080/23.98p], or [1080/23.98PsF].