



**4K CCU with Enhanced IP Connectivity, Including Support for ST 2110, The Industry's First\*1 Dante®, NDI and SRT.**

## AK-UCU700 series

4K CCU with Enhanced IP Connectivity, Including Support for ST 2110, The Industry's First\*1 Dante®, NDI and SRT. The AK-UCU700 CCU supports the next-generation SMPTE ST 2110\*2 IP-transmission standard as well as JPEG-XS to uncompress/compress 4K video by a factor of 10 without degrading quality. As the industry's first\*1 studio camera system to support the Dante®\*3 network audio standard as well as the NDI® (High Bandwidth NDI®)\*4 and SRT (Secure Reliable Transport)\*5 IP transmission standards, Panasonic Connect's new CCU realizes diverse networks and applications for IP studio camera systems.

### Key Features

- Simultaneous output of HDR and SDR (BT.2020 and BT.709).
- Eight standard outputs, including two 12G-SDI outputs.
- Compatibility with the ST 2110\*2 and industry-first support for Dante®\*3 audio network as well as NDI® and SRT\*5
- 3.5-inch color LCD touch panel for intuitive operation and viewing camera output.
- Uncompressed optical transmission between camera and CCU over distances up to about 2,000m. \*6
- High-speed shooting (Future Update): Up to 4x in HD\*7 and 2x in 4K. \*8
- Uncompressed or JPEG-XS 4K/HD IP transmission with ST 2110/NMOS option. \*2





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<https://eu.connect.panasonic.com/it/en/products/broadcast-proav/ak-ucu700-series>

<b>LAN</b>	1 line,
<b>Weight</b>	AK-UCU700: Approx. 9.1 kg (20.1 lb), AK-UCU710: Approx. 9.3 kg (20.5 lb)
<b>Dimensions (W x H x D)</b>	424 mm x 88.5 mm x 400 mm (16-5/8 inches x 3-1/2 inches x 15-3/4 inches)
	(excluding protrusions)
<b>Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Power Consumption</b>	550 W (Without camera connected: 130 W)
<b>AUX Output</b>	3G/HD-SDI 1 line
<b>Video Output</b>	3G/HD-SDI 5 lines
	12G/6G/3G/HD-SDI 2 lines
	HD-SDI 1 line
<b>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*2
	PGM input (0 dBm/600 Ω): 2 lines
	Tally input (Red, Green, Yellow): 1 input each
<b>Humidity</b>	10 % to 90 % (no condensation)
<b>Power Supply</b>	100 V - 240 V AC, 50 Hz/60 Hz
<b>Capacity for Supplying Power to a Camera</b>	240 V AC, 1.46 A, 50 Hz / 60 Hz
<b>Microphone Output</b>	0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)
<b>MSU</b>	RS-422
	1 line, GPI for control
<b>LAN Trunk</b>	1 line,
<b>Reference Input</b>	BB (black burst) / tri-level*1: 1 line
	(automatic termination, connect to upper connector; BB signal and tri-level signal automatically recognized, with loop-through output)
<b>Return Input</b>	3G/HD-SDI 4 lines
<b>Tally Output</b>	Tally Output (Red, Green), Alarm Output, Open collector output each
	AK-UCU710: SFP+/SFP28 slot* x 2 (for ST 2110 connection),
	AK-UCU700: SFP+/SFP28 slot* x 2 (for ST 2110 connection) when AK-NP701G (sold separately) is installed.
	AK-UCU710: RJ45 x 2 (Primary/Secondary),
	AK-UCU700: RJ45 x 2 (Primary/Secondary) when AK-NP702G (sold separately) is installed.
	RJ45 x 1 (for IP video streaming, SRT, and NDI®) * When AK-NP703G (sold separately) is installed.
<b>HD Trunk Output</b>	3G/HD-SDI 1 line
	3G/HD-SDI 1 line
	RS-422
	1 line, 16 V DC output