



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

AK-UCU700

4K CCU with Enhanced IP Connectivity, Including Support for ST 2110, The Industry's First*1 Dante®, NDI®*4 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®*4 (High Bandwidth NDI®*4) and SRT (Secure Reliable Transport)*5 IP transmission standards, Panasonic Connect's new CCU realizes diverse networks and applications

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®*4 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/NDI*2





AK-UCU700

<https://latam.connect.panasonic.com/mx/en/products/broadcast-proav/ak-ucu700>

Camera Control Unit (CCU) -> General -> Power Supply	100 V - 240 V AC, 50 Hz/60 Hz
Camera Control Unit (CCU) -> General -> Power Consumption	550 W (Without camera connected: 130 W)
Camera Control Unit (CCU) -> General -> Capacity for Supplying Power to a Camera	AC 240 V (tolerance 5%), 1.46 A, 50 Hz/60 Hz
Camera Control Unit (CCU) -> General -> Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Camera Control Unit (CCU) -> General -> Humidity	10 % to 90 % (no condensation)
Camera Control Unit (CCU) -> General -> Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Camera Control Unit (CCU) -> General -> Weight	AK-UCU700: Approx. 9.1 kg (20.02 lb)
Camera Control Unit (CCU) -> General -> Dimensions	W 424 mm x H 88.5 mm x D 400 mm (16-11/16 inches x 3-15/32 inches x 15-3/4 inches) (excluding protrusions)
Camera Control Unit (CCU) -> Input/Output -> Video Output	3G/HD-SDI: 5 lines 12G/6G/3G/HD-SDI: 2 lines HD-SDI: 1 line (shared with picture monitor output *1)
Camera Control Unit (CCU) -> Input/Output -> HD TRUNK output	3G/HD-SDI: 1 line
Camera Control Unit (CCU) -> Input/Output -> AUX Output	3G/HD-SDI: 1 line
Camera Control Unit (CCU) -> Input/Output -> Return Input	3G/HD-SDI: 4 lines
Camera Control Unit (CCU) -> Input/Output -> HD TRUNK (Prompter) input	3G/HD-SDI: 1 line
Camera Control Unit (CCU) -> Input/Output -> Reference Input	BB (black burst) / tri-level *2: 1 line (automatic termination, connect to upper connector; BB signal and tri-level *2 signal automatically recognized, with loop-through output)
Camera Control Unit (CCU) -> Input/Output -> Microphone Output	0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)
Camera Control Unit (CCU) -> Input/Output -> Communication	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 V [p-p], 200 Ω (RTS), 4 W / RTS / CLRCOM): 2 lines *2 PGM input (0 dBm/600 Ω): 2 lines *2 Tally input (red, green, yellow): 1 input each
Camera Control Unit (CCU) -> Input/Output -> Tally Output	Tally output (red, green) Alarm output Output from each of the open collectors
Camera Control Unit (CCU) -> Input/Output -> ROP	RS-422 1 line, 16 V DC output
Camera Control Unit (CCU) -> Input/Output -> MSU	RS-422 1 line, GPI for control
Camera Control Unit (CCU) -> Input/Output -> LAN TRUNK	LAN connection with camera side via an optical cable 1 line
Camera Control Unit (CCU) -> Input/Output -> LAN	Personal computer connection for distribution via the Web 1 line
Camera Control Unit (CCU) -> Input/Output -> LCD monitor	3.5 inch color LCD monitor, touch panel supported
Camera Control Unit (CCU) -> Input/Output -> ST 2110 *3	SFP+/SFP28 x 2 (for ST 2110 connection) * When AK-NP701G (sold separately) is installed.
Camera Control Unit (CCU) -> Input/Output -> Dante® *4	RJ45 x 2 (Primary, Secondary) * When AK-NP702G (sold separately) is installed.

Footnote Description

1. Depending on the setting, only one of them can be selected at one time.
2. The BB (black burst) signal and tri-level sync signal of the reference input are recognized automatically.
3. Standard in AK-UCU710S/UCU710 and optional in AK-UCU700S/UCU700 (requires ST 2110 interface board sold separately).
4. Standard in AK-UCU710S/UCU710 and optional in AK-UCU700S/UCU700 (requires Dante® interface board AK-NP702G sold separately).