



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

AK-UCU700 series

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 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®*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/NMOS option.*2





AK-UCU700 series

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

Camera Control Unit (CCU) -> General 100 V - 240 V AC, 50 Hz/60 Hz	
-> Power Supply	
Camera Control Unit (CCU) -> General 550 W	
-> Power Consumption (Without camera connected: 130 W)	
Camera Control Unit (CCU) -> General AC 240 V (tolerance 5%), 1.46 A, 50 Hz/60 Hz	
-> Capacity for Supplying Power to a Camera	
Camera Control Unit (CCU) -> General 0 °C to 40 °C (32 °F to 104 °F)	
-> Operating Temperature	
Camera Control Unit (CCU) -> General 10 % to 90 % (no condensation)	
-> Humidity	
Camera Control Unit (CCU) -> General -20 °C to 60 °C (-4 °F to 140 °F)	
-> Storage Temperature	
Camera Control Unit (CCU) -> General AK-UCU700: Approx. 9.1 kg (20.02 lb)	
-> Weight	
Camera Control Unit (CCU) -> General W 424 mm x H 88.5 mm x D 400 mm	
-> Dimensions (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).