



The CCU supports UHD and HD simultaneous output while still having a compact size. HD mode enables output in 240p, 180p and 120p during normal filming.

AK-UCU600

With the AK-UCU600 Camera Control Unit (CCU), uncompressed longdistance transmission of 4K/HD video signals via optical fiber is supported. The AK-HRP1000GJ/1005GJ Remote Operation Panels (ROP) are equipped with a color LCD display that provides excellent visibility and functions for quick response. This system achieves high-quality video and excellent operability. In cases where power is supplied by the CCU, it is possible to transmit at a long distance of up to approx. 2,000 m between the camera and the CCU. The distance can be extended up to 10,000 m by providing a local power supply at the camera head and using general-purpose single mode optical fiber. Between the CCU and the ROP, in addition to a dedicated serial line, IP connection via LAN cable is also supported.

Key Features

Contains a dual UHD 12G-SDI system, and supports 3G -SDI quad link and two-sample interleave

Optical fiber transmission of uncompressed video signals over a distance of approx. 2,000 m between camera and CCU

Supports TICO over SDI (4K over 3G-SDI) output (4K signal can be transferred by a conventional 3G-SDI cable)

Supports HDR/SDR simultaneous output and HDR BT2020/B709 simultaneous output

Supports IP streaming (100 Base-T)











AK-UCU600

https://eu.connect.panasonic.com/b e/en/broadcast-proav/accessories/ak-<u>ucu600</u>

AK-UCU600EJ/AK-UCU600ESJ 100 V - 240 V AC, 50 Hz/60 Hz 500 W (Without camera connected: 90 W) 240 V AC (tolerance: 5 %), 1.46 A , 50 Hz / 60 Hz 0 °C to 40 °C (32 °F to 104 °F) 10 % to 90 % (no condensation) Approx. 8.9 kg (19.6 lb) 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) (excluding protrusions) 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 *1) HD-SDI 1 line (HD TRUNK output) 3G/HD-SDI 1 line (TICO output) 3G-HD/HD/SD-SDI 4 lines (RET1 input has active-through output) Analog composite 1 line HD-SDI 1 line (with active-through output) Analog composite 2 lines (through output of 1 and input of 2 share the connector *1)
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It is not terminated when the unit is turned OFF. No through output.
BB (black burst) / tri-level *3:1 line
(automatic termination, connect to upper connector; BB signal and tri-level *3 signal automatically recognized, with loop-through output)
0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)
Intercom input/output (ENG / PROD, 0 dBm, 600 Ω (4 W) /1 V [p-p], 200 Ω (RTS), 4 W / RTS CLRCOM);2 lines $^{\star 1}$
PGM input (0 dBm/600 Ω):2 lines *1
Tally input (red, green, yellow):1 input each
WFM control
6-bit (open collector output *1 , terminal shared with camera microphone gain setting *1
Camera microphone gain setting input
5-bit (photo-coupler input *1, terminal shared with WFM control *1)
Down-conversion system setting input 2-bit (photo-coupler input) RS-422 / RS-232C 2 lines
10 422710 23202 IIIICS
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)
RS-422 1 line, GPI for control
LAN connection with camera side via an optical cable *4
1 line, 100BASE-TX, 1000BASE-T
Personal computer connection for distribution via the Web *4
1 line, 10BASE-T, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)
0 °C to 40 °C (32 °F to 104 °F)
-10% to 90% (no condensation)
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IP/12G/3G Interface Kit AK-NP600G ->Approx. 284 g (0.63 lbs) (including radiator fins)

General -> Weight

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

Footnote Description

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].