



**Transmission Camera System to Be Configured at  
Low Cost**

## AK-UCU500

Single 2U rack-mounted camera control unit that provides a parallel  
UHD and HD/SD output over a distance of 2000m

### Key Features

Provides a parallel UHD and HD/SD output HD output from camera (3G-SDI): 1080/59.94p, 50p, 59.94i, 50i, 29.97psF, 25psF, 23.98p over 59.94i, 720/59.94p, 50p UHD output from CCU: 2160/59.94p, 50p, 29.97p, 29.97psF, 25p, 25psF, 23.98p, 23.98psF SD output from CCU: 480/59.94i, 576/50i

Capable of optical fiber transmission of uncompressed video signals and camera power over a distance of 2000m

Variable Operation with Advanced Trunk functions

Supports IP streaming



## AK-UCU500

<https://ap.connect.panasonic.com/th/en/ak-ucu500>

<b>Power Supply</b>	AK-UCU500P/AK-UCU500PS: 100 V - 120 V AC, 50 Hz/60 Hz AK-UCU500E/AK-UCU500ES: 100 V - 240 V AC, 50 Hz/60 Hz
<b>Power Consumption</b>	500 W (Without camera connected: 70 W)
<b>Capacity for Supplying Power to a Camera</b>	240 V AC (tolerance: 5%), 1.46 A, 50 Hz/60 Hz
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Humidity</b>	10% to 90% (no condensation)
<b>Weight</b>	Approx. 8.8 kg (19.4 lb)
<b>Dimensions (W x H x D)</b>	424 mm x 88 mm x 401 mm (16-5/8 inches x 3-7/16 inches x 15-13/16 inches) (excluding protrusions)
<b>Video Output</b>	3G/HD/SD-SDI: 7 lines (embedded audio is supported only for HD signals) HD/SD-SDI: 1 line (shared with picture monitor output*1 ; embedded audio is supported only for HD signals) Analog composite: 2 lines (1 line shared with picture monitor output*1)
<b>HD Trunk Output</b>	HD-SDI: 1 line (cannot be used in UHD/HS mode)
<b>Return Input</b>	3G-HD/HD/SD-SDI: 4 lines (RET1 input has active-through output) Analog composite: 1 line
<b>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*1) It is not terminated when the unit is turned OFF. No through output.
<b>Reference Input</b>	BB (black burst) / tri-level*2: 1 line (automatic termination, connect to upper connector; BB signal and tri-level signal automatically recognized, with loop-through output)
<b>Microphone Output</b>	0 dBm/600 ohm, 2 lines (XLR, 3-pin, male)
<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*1 PGM input (0 dBm/600 Ω) : 2 lines Tally input (red, green, yellow) : 1 input each
<b>AUX</b>	WFM control 6-bit (open collector output, terminal shared with camera microphone gain setting*1) Camera microphone gain setting input 5-bit (photo-coupler input, terminal shared with WFM control*1) Down-conversion system setting input 2-bit (photo-coupler input)
<b>Trunk</b>	RS-422 / RS-232C 2 lines*1
<b>Front ROP</b>	RS-422 1 line, 16 V DC output (only one of this and REAR ROP can be selected at one time via the menu or the [ROP FRONT/REAR] selection switch on the front panel)
<b>Rear ROP</b>	RS-422 1 line, 16 V DC output (only one of this and FRONT ROP can be selected at one time via the menu or the [ROP FRONT/REAR] selection switch on the front panel)
<b>MSU</b>	RS-422 1 line, GPI for control
<b>LAN Trunk</b>	LAN connection with camera side via an optical cable*3 1 line, 100BASE-T, 1000BASE-T
<b>LAN</b>	Personal computer connection for distribution via the Web*3 1 line, 10BASE-T, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)
<b>Note</b>	*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: IP video cannot be transmitted when [CCU MODE] is set to [2160/23.98p], [2160/23.98PsF], [1080/23.98p], or [1080/23.98PsF]. *4: Can be provided from CCU

