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 fr

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

Panasonic CONNECT




AK-UCU500

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

Camera Control Unit (CCU) -> General -> Power Supply	100 V - 120 V AC, 50 Hz/60 Hz
Camera Control Unit (CCU) -> General -> Power Consumption	500 W (Without camera connected: 70 W)
Camera Control Unit (CCU) -> General -> Capacity for Supplying Power to a Camera	240 V AC (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 -> Weight	Approx. 8.8 kg (19.4 lb)
Camera Control Unit (CCU) -> General -> Dimensions	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)
Camera Control Unit (CCU) -> Input/Output -> Video Output	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)
Camera Control Unit (CCU) -> Input/Output -> HD TRUNK output	HD-SDI 1 line (cannot be used in UHD/HS mode)
Camera Control Unit (CCU) -> Input/Output -> Return Input	3G-HD/HD/SD-SDI 4 lines (RET1 input has active-through output) Analog composite 1 lines
Camera Control Unit (CCU) -> Input/Output -> Prompter Input	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
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 *2signal 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 *1 PGM input (0 dBm/600 Ω):2 lines *1 Tally input (red, green, yellow):1 input each
Camera Control Unit (CCU) -> Input/Output -> AUX	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 *1, terminal shared with WFM control *1) Down-conversion system setting input 2-bit (photo-coupler input)
Camera Control Unit (CCU) -> Input/Output -> TRUNK	RS-422 / RS-232C 2 lines *1
Camera Control Unit (CCU) -> Input/Output -> ROP	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)
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 *3 1 line, 100BASE-T, 1000BASE-T
Camera Control Unit (CCU) -> Input/Output -> LAN	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)
Footnote Description	Depending on the setting, only one of them can be selected at one time. 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].