Panasonic

CONNECT

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://oc.connect.panasonic.com/au/en/ak-ucu500

Power Supply	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
Power Consumption	500 W (Without camera connected: 70 W)
Capacity for Supplying Power to a Camera	240 V AC (tolerance: 5%), 1.46 A , 50 Hz/60 Hz
Operating Temperature	0℃ to 40℃ (32°F to 104°F)
Humidity	10% to 90% (no condensation)
Weight	Approx. 8.8 kg (19.4 lb)
Dimensions (W x H x D)	424 mm x 88 mm x 401 mm (16-5/8 inches x 3-7/16 inches x 15-13/16 inches) (excluding protrusions)
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)
HD Trunk Output	HD-SDI: 1 line (cannot be used in UHD/HS mode)
Return Input	3G-HD/HD/SD-SDI: 4 lines (RET1 input has active-through output)
	Analog composite: 1 line
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.
Reference Input	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)
Microphone Output	0 dBm/600 ohm, 2 lines (XLR, 3-pin, male)
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
	Tally input (red, green, yellow) : 1 input each
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, terminal shared with WFM control*1)
	Down-conversion system setting input 2-bit (photo-coupler input)
Trunk	RS-422 / RS-232C
	2 lines*1
Front ROP	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)
Rear ROP	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)
MSU	RS-422
	1 line, GPI for control
LAN Trunk	LAN connection with camera side via an optical cable*3
	1 line, 100BASE-T, 1000BASE-T
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)
Note	*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