



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







Camera Control Unit (CCU) -> General 100 V - 120 V AC, 50 Hz/60 Hz





AK-UCU500

https://ap.connect.panasonic.com/vr	1
<u>/en/ak-ucu500</u>	

-> Power Supply		
Camera Control Unit (CCU) -> Genera -> Power Consumption	al 500 W (Without camera connected: 70 W)	
Camera Control Unit (CCU) -> General 240 V AC (tolerance: 5%), 1.46 A , 50 Hz/60 Hz -> Capacity for Supplying Power to a Camera		
Camera Control Unit (CCU) -> Gener	al 0 °C to 40 °C (32 °F to 104 °F)	
-> Operating Temperature Camera Control Unit (CCU) -> Gener	al 10 % to 90 % (no condensation)	
-> Humidity Camera Control Unit (CCU) -> Genera	al Approx 8.8 kg (19.4 lb)	
-> Weight		
Camera Control Unit (CCU) -> Genera -> Dimensions	al 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) ->	3G/HD/SD-SDI 7 lines (embedded audio is supported only for HD signals)	
Input/Output -> Video Output	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 \star1)	
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)	
inpuroutput -> Ketuin input	Analog composite 1 lines	
Camera Control Unit (CCU) -> Input/Output -> Prompter Input	HD-SDI 1 line (with active-through output)	
Inputouque > Prompter input	Analog composite 2 lines (through output of 1 and input of 2 share the connector *1)	
Camera Control Unit (CCU) ->	It is not terminated when the unit is turned OFF. No through output BB (black burst) / tri-level ^{*2} : 1 line	
Input/Output -> Reference Input		
	(automatic termination, connect to upper connector; BB signal and tri-level ^{*/2} signal automatically recognized, with loop-through output)	
Camera Control Unit (CCU) ->	0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)	
Input/Output -> Microphone Output Camera Control Unit (CCU) ->	Intercom input/output (ENG / PROD, 0 dBm, 600 Ω (4 W) / 1 V [p-p], 200 Ω (RTS), 4 W / RTS /	
Input/Output -> Communication	CLRCOM):2 lines ^{*1}	
	PGM input (0 dBm/600 Ω):2 lines ^{*1}	
Camera Control Unit (CCU) ->	Tally input (red, green, yellow):1 input each WFM control	
Input/Output -> AUX		
	6-bit (open collector output, terminal shared with camera microphone gain setting $^{\star 1}$)	
	Camera microphone gain setting input 5-bit (photo-coupler input \star1 , terminal shared with WFM control \star1)	
	Down-conversion system setting input 2-bit (photo-coupler input)	
Camera Control Unit (CCU) ->	RS-422 / RS-232C	
Input/Output -> TRUNK	2 lines *1	
Camera Control Unit (CCU) ->	RS-422	
Input/Output -> ROP	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) ->	RS-422	
Input/Output -> MSU	1 line, GPI for control	
Camera Control Unit (CCU) ->	LAN connection with camera side via an optical cable $^{ m *3}$	
Input/Output -> LAN TRUNK	1 line, 100BASE-T, 1000BASE-T	
Camera Control Unit (CCU) ->	Personal computer connection for distribution via the Web \star3	
Input/Output -> LAN	1 line, 10BASE-T, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)	
Footnote Description	1	
	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].	