Panasonic CONNECT



4K Studio Camera with superior flexibility and futureproof IP

AK-UCX100

The new AK-UCX100GSJ 4K studio camera is fully equipped to meet the demands for high-quality video and innovative on-sight live production in the IP era, including studio work, sports broadcasting and stage productions.

Key Features

- Independent operation without a CCU
- Supports 12G-SDI (x2), SMPTE ST 2110, NDI® High Bandwidth, SRT, and more
- Supports network redundancy (SMPTE ST 2110)
- Simultaneous HDR/HLG (BT.2020) and SDR (BT.709)
- 2,000 TVL horizontal and vertical resolution

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https://latam.connect.panasonic.com/mx/en/products/broadcast-proav/ak-ucx100

General -> Power Supply	DC 12 V (when using an external power supply) AC 240 V, 50 Hz/60 Hz(AK-UCU710/AK-UCU710S/AK-UCU700/AK-UCU700S/AK-CFA100 in connected)
General -> Power Consumption	119 W (maximum, when connecting to external 12V and including supply to externally connected devices) 360 W (maximum, when AK-UCU710/AK-UCU710S/AK-UCU700/AK-UCU700S/AK-CFA100 is connected and including supply to an externally copnnected device)
General -> Operating Temperature	–10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0°C (32 °F) or below)
General -> Operating Humidity	85% or less (relative humidity)
General -> Storage Temperature	−20 °C to 60 °C (−4 °F to 140 °F)
General -> Weight	Approx. 4.55 kg (9.90 lbs.) (body only, excluding the accessories)
General -> Dimensions	W 157 mm x H 267 mm x D 371.5 mm (5-31/32 inches x 10-17/32 inches x 14-21/32 inches) (excluding protrusions)
Camera Unit -> Pickup Device	19.29 million pixels, MOS sensor
Camera Unit -> Optical Filter -> ND	CLEAR, 1/2, 1/4, 1/16, 1/64
Camera Unit -> Optical Filter -> FX	CLEAR, CLEAR (Option*), CROSS, Diffusion, CAP *Option: HD-Optical Low Pass filter
Camera Unit -> Lens Mount	2/3-type bayonet
Camera Unit -> Sensitivity	[LOW LIGHT]: F10(59.94 Hz)/F11(50 Hz) [NORMAL]: F6(59.94 Hz)/F7(50 Hz) 2000 lx, 3200 K, when white reflectivity is 89.9%
Camera Unit -> Horizontal Resolution -> 4K	2000 TV lines or above (center)
Camera Unit -> Horizontal Resolution -> HD	1000 TV lines or above (center)
Camera Unit -> S/N	62 dB or above
Camera Unit -> Gain Switching -> NORMAL	-6, -3, 0, 3, 6, 9, 12, 15, 18
Camera Unit -> Shutter Speed -> [59.94i]/[59.94p] mode	1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [50i]/[50p] mode	1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [29.97p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [25p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [23.98p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit	3840x2160/59.94p/50p/29.97p/25p/23.98p 1920x1080/59.94p/50p/29.97p/25p/23.98p
Video Input/Output - > < SDI OUT1 > Terminal	BNC x 1 12G/3G/1.5G-SDI: 0.8 V [p-p] , 75 Ω
Video Input/Output - > < SDI OUT2 > Terminal	BNC x 1 12G/3G/1.5G-SDI: 0.8 V [p-p] , 75 Ω
Video Input/Output - > < G/L IN/PROMPTER OUT > Terminal	BNC x 1 : Tri-level SYNC or BB (black burst) : black signal without burst
Video Input/Output -> <TRUNK IN > Terminal	BNC x 1 3G/1.5G-SDI: 0.8 V [p-p] , 75 Ω
Video Input/Output - > < G/L IN/REF OUT > Terminal	BNC x 1 : Tri-level SYNC or BB (black burst) : black signal without burst
Audio Input/Output - > < MIC 1 > Terminal	XLR x 1, 3-pin female type // switchable For , / switchable : 0 dBu, +4 dBu menu selection available : −60 dBu, −40 dBu, or −20 dBu menu can be selected
Audio Input/Output - > < MIC 2 > Terminal	XLR x 1, 3-pin female type // switchable : 0 dBu, +4 dBu menu selection available : −60 dBu, −40 dBu, or −20 dBu menu can be selected
Audio Input/Output - > < MIC > Terminal (front)	XLR×1, 3-pin female type Switchable with terminal
Intercom - > < INTERCOM1 > Terminal	XLR x 1, 5-pin, female type
Intercom - > < INTERCOM2 > Terminal	XLR x 1, 5-pin, female type
Intercom - > < EARPHONE > Terminal	Stereo mini jack x 1, 3-pin
Other Input/Output - > < OPT FIBER > Terminal	Optical composite connector x 1
Other Input/Output -> <SFP 1 > Terminal	SFP28 x 1
Other Input/Output -> <SFP 2 > Terminal	SFP28 x 1
Other Input/Output - > < LENS > Terminal	12-pin x 1

Other Input/Output - > < VF > Terminal	20-pin x 1
Other Input/Output - > < VF > Terminal (rear)	29-pin x 1
Other Input/Output - > < DC IN > Terminal	XLR x 1, 4-pin, DC12 V
Other Input/Output - > < RET CTRL > Terminal	6-pin x 1
Other Input/Output - > < EXT I/O > Terminal	20-pin x 1, DC12 V, 0.5 A
Other Input/Output - > < REMOTE > Terminal	10-pin x 1
Other Input/Output -> <DC OUT 12V 2.5A> Terminal	2-pin x 1
Other Input/Output -> DC OUT 12 V 1 A Terminal	4-pin x 1
Other Input/Output - > < LAN > Terminal	RJ-45 x 1
Other Input/Output -> <USB3.0 > Terminal (host)	Type C connector (USB Power Delivery)
Other Input/Output -> Build-up Terminal	20-pin x 1