Panasonic CONNECT



High End System Camera Setting a New Standard in 4K/HD HDR Acquisition

AK-UC4000

The AK-UC4000 camera offers the high video quality that is only possible with a large sensor, along with a wide range of 4K acquisition with the latest functions such as HDR, BT.2020 and high-speed shooting*. The camera keeps up with diversifying systems with features such as 12G-SDI, TICO*2, over SDI (4K over 3G-SDI) output and MoIP**, making it suitable not only for studio production but for a wide range of operations such as sports and events.

Key Features

- 4.4K Sensor Camera with 2/3 type B4
- UHD 12G SDI output (x2) and TICO via SDI output (x1)* *Output from the AK-UCU600 Camera Control Unit
- Supports high-speed 2x, 3x or 4x output in HD mode* *Output from the AK-UCU600 Camera Control Unit
- Future SMPTE 2110 MoIP Upgrade Path
- Supports HDR(HLG) and ITU-R BT.2020

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https://latam.connect.panasonic.com/pa/en/ak-uc4000

General -> Power Supply	DC 12 V (when using an external power supply) AC 240 V, 50 Hz/60 Hz (when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ)
General -> Power Consumption	119 W (maximum for the camera only, when connecting to an external 12 V) 360 W (when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ)
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 °Cto 60 °C (-4 °F to 140 °F)
General -> Weight	Approx. 4.5 kg (9.90 lb) (body only)
General -> Dimensions	W 151 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	11.14 megapixel, MOS x 1
Camera Unit -> Optical Filter -> CC	3200 K, 4300 K, 6300 K, Cross, Diffusion
Camera Unit -> Optical Filter -> ND	CAP, Clear, 1/4, 1/16, 1/64
Camera Unit -> Lens Mount	2/3-type bayonet
Camera Unit -> Sensitivity	Two shooting modes. 2000 lx, 3200 K, when white reflectivity is 89.9% [HIGH SENS] F10 (59.94 Hz) / F11 (50 Hz) [NORMAL] F6 (59.94 Hz) / F7 (50 Hz)
Camera Unit -> Horizontal Resolution -> 4K	2000 TV lines or above (center, AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ output)
Camera Unit -> Horizontal Resolution -> HD	1000 TV lines or above (center)
Camera Unit -> S/N	62 dB or above
Camera Unit -> Horizontal Modulation	50 % or above (27.5 MHz)
Camera Unit -> Gain Switching -> HIGH SENS	-6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
Camera Unit -> Gain Switching -> NORMAL	-6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
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	2160/59.94p, 50p, 29.97p, 25p, 23.98p, 1080/59.94p, 59.94p-120/180/240 fps, 50p, 50p-100/150/200 fps, 29.97p, 25p, 23.98p
Video Input/Output - > < HD-SDI1 > Terminal	BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω
Video Input/Output - > < HD-SDI2 > Terminal	BNC x 1 3G/1.5G-SDI: 0.8 V [p-p], 75 Ω
Video Input/Output - > < AUX > Terminal	BNC x 1 Functions as terminal/ terminal by switchingthe setting in the menu : 1.5G-SDI: 0.8 V [p-p], 75Ω : VBS signal 1 V [p-p], 75 Ω
Video Input/Output - > < G/L IN/PROMPTER OUT > Terminal	BNC x 1 : Tri-level SYNC or BB (black burst) : VBS signal 1 V [p-p], 75 Ω Functions as when standalone, and as when connecting to an AK-UCU600PJ/AK-UCU600EJ/AK-UCU600PSJ/AK-UCU600ESJ
Audio Input/Output - > < MIC 1 > Terminal	XLR x 1, 3-pin (female) // 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) // 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 x 1, 3-pin (female) Switchable with terminal
Intercom - > < INTERCOM1 > Terminal	XLR x 1, 5-pin (female)
Intercom - > < INTERCOM2 > Terminal	XLR x 1, 5-pin (female)

Intercom - > < EARPHONE > Terminal	Stereo mini jack x 1
Other Input/Output - > < OPT FIBER > Terminal	Optical composite connector x 1, Tajimi/LEMO
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, DC 12 V
Other Input/Output - > < RET CTRL > Terminal	6-pin x 1
Other Input/Output - > < EXT I/O > Terminal	20-pin x 1, DC 12 V 0.5 A
Other Input/Output - > < REMOTE > Terminal	10-pin x 1
Other Input/Output - > < TRUNK > Terminal	12-pin x 1
Other Input/Output -> < DC OUT 12V 2.5A > Terminal	2-pin x 1, DC 12 V 2.5 A
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 - > < USB2.0 > Terminal (host)	Type A connector, DC 5 V 0.5 A
Other Input/Output -> Build-up Terminal	20-pin x 1