



HD System Camera Channel

AK-HC5000

HD system camera channel for live OB and studio production, concert and live event capture

Key Features

HD system camera channel equipped with a newly-developed 3MOS sensor

The combination of larger pixels and optical expansion makes efficient use of incident light to achieve high sensitivity (F12@50p) and low noise (S/N 60dB)

High-speed scanning from the MOS sensor supports features including focus assist, flash-band compensation and skew reduction

Built-in optical conversion lens allows standard 2/3-type B4 mount lenses to be used

IP streaming and IP control is supported



AK-HC5000

<https://ap.connect.panasonic.com/p/h/en/ak-hc5000>

General -> Power Supply	DC 12 V (when using an external power supply) AC 240 V, 50 Hz/60 Hz (when AK-UCU500P/AK-UCU500PS/AK-UCU500E/AK-UCU500ES is connected)
General -> Power Consumption	119 W (maximum, when connecting to an external 12 V and including supply to an externally connected devices) 360 W (maximum, when AK-UCU500P/AK-UCU500PS/AK-UCU500E/AK-UCU500ES is connected and including supply to an externally connected devices)
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. 4.4 kg (9.70 lbs.) (body only, excluding the accessories)
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	2/3-type, 2.2 million pixels, MOS x 3
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] F11 (59.94 Hz) / F12 (50 Hz) [NORMAL] F8 (59.94 Hz) / F9 (50 Hz)
Camera Unit -> Horizontal Resolution	> HD -1000 TV lines or above (center)
Camera Unit -> S/N	60 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	-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	1/60, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [25p] mode	1/50, 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [23.98p] mode	1/48, 1/60, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit	1080/59.94p, 59.94p-240 fps, 50p, 50p-100 fps, 29.97p, 25p, 23.98p
Video Input/Output - > < HD-SDI1 > Terminal	BNC x 1 HD (3G/1.5G): 0.8 V [p-p], 75 Ω
Video Input/Output - > < HD-SDI2 > Terminal	BNC x 1 HD (3G/1.5G): 0.8 V [p-p], 75 Ω
Video Input/Output - > < AUX > Terminal	BNC x 1 Functions as terminal/ terminal by switching the setting in the menu : HD (1.5G) : 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 AK-UCU500P/ AK-UCU500PS/ AK-UCU500E/AK-UCU500ES is connected
Audio Input/Output - > < MIC 1 > Terminal	XLR x 1, 3-pin // 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 // 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 Switchable with terminal
Intercom - > < INTERCOM1 > Terminal	XLR x 1, 5-pin
Intercom - > < INTERCOM2 > Terminal	XLR x 1, 5-pin
Intercom - > < EARPHONE > Terminal	Stereo mini jack x 1, 3-pin

Other Input/Output - > < OPT FIBER >	Optical composite connector x 1
Terminal	
Other Input/Output - > < LENS >	12-pin x 1
Terminal	
Other Input/Output - > < VF > Terminal	20-pin x 1
Other Input/Output - > < VF > Terminal	29-pin x 1
(rear)	
Other Input/Output - > < DC IN >	XLR x 1, 4-pin, DC 12 V
Terminal	
Other Input/Output - > < RET CTRL >	6-pin x 1
Terminal	
Other Input/Output - > < EXT I/O >	20-pin x 1, DC 12 V, 0.5 A
Terminal	
Other Input/Output - > < REMOTE >	10-pin x 1
Terminal	
Other Input/Output - > < TRUNK >	12-pin x 1
Terminal	
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 >	RJ-45 x 1
Terminal	
Other Input/Output - > < USB2.0 >	Type A connector, DC 5 V, 0.5 A
Terminal (host)	
Other Input/Output -> Build-up Terminal	20-pin x 1