



## HD System Camera Channel

# AK-HC5000

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

### Key Features

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

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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)

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

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

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IP streaming and IP control is supported



## AK-HC5000

<https://eu.connect.panasonic.com/en/products/broadcast-proav/ak-hc5000>

<b>Power Supply</b>	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)
<b>Power Consumption</b>	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)
<b>Operating Temperature</b>	-10 °C to 45 °C (14°F to 113°F)  (Preheating required under a temperature 0 °C (32 °F) or below)
<b>Storage Temperature</b>	-20 °C to 60 °C (-4°F to 140°F)
<b>Operating Humidity</b>	85% or less (relative humidity)
<b>Weight</b>	Approx. 4.4 kg (9.70 lbs.) (body only, excluding the accessories)
<b>Dimensions (W x H x D)</b>	Body only 151 mm x 267 mm x 371.5 mm  (5-31/32 inches x 10-17/32 inches x 14-21/32 inches) (excluding protrusions)
<b>Pickup Devices</b>	2/3-type, 2.2 million pixels, MOS x 3
<b>Optical Filter</b>	CC: 3200 K, 4300 K, 6300 K, Cross, Diffusion ND: CAP, Clear, 1/4, 1/16, 1/64
<b>Lens Mount</b>	2/3-type bayonet
<b>Sensitivity</b>	Two shooting modes  [HIGH SENS]: F11 (59.94 Hz)/F12 (50 Hz) [NORMAL]: F8 (59.94 Hz)/F9 (50 Hz)  2000 lx, 3200 K, when white reflectivity is 89.9%
<b>Horizontal Resolution</b>	1000 TV lines or above (center)
<b>S/N</b>	60 dB or above
<b>Horizontal Modulation</b>	50% or above (27.5 MHz)
<b>Gain Switching</b>	[NORMAL]: -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36  [HIGH SENS]: -6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
<b>Shutter Speed</b>	• [59.94i]/[59.94p] mode: 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000  • [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  • [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  • [50i]/[50p] mode: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000  • [25p] mode: 1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>[HD SDI 1] Terminal</b>	BNC x 1  HD (3G/1.5G): 0.8 V [p-p], 75 ohm
<b>[HD SDI 2] Terminal</b>	BNC x 1  HD (3G/1.5G): 0.8 V [p-p], 75 ohm
<b>[AUX] terminal</b>	BNC x 1  Functions as terminal/ terminal by switching the setting in the menu  : HD (1.5G)  : VBS signal 1 V [p-p], 75 ohm
<b>[G/L IN/PROMPTER OUT] terminal</b>	BNC x 1  : Tri-level SYNC or BB (black burst)  : VBS signal 1 V [p-p], 75 ohm
<b>[MIC 1] terminal</b>	XLR x 1, 3-pin  : VBS signal 1 V [p-p], 75 ohm  // switchable For ,  / switchable  : 0 dBu, +4 dBu menu selection available  : -60 dBu, -40 dBu, or -20 dBu menu can be selected
<b>[MIC 2] terminal</b>	XLR x 1, 3-pin  // switchable  : 0 dBu, +4 dBu menu selection available  : -60 dBu, -40 dBu, or -20 dBu menu can be selected
<b>[MIC] terminal (front)</b>	XLR x 1, 3-pin  Switchable with terminal

<b>[Intercom 1] Terminal</b>	XLR x 1, 5-pin
<b>[Intercom 2] Terminal</b>	XLR x 1, 5-pin
<b>[EARPHONE] terminal</b>	Stereo mini jack x 1, 3-pin
<b>[OPT FIBER] terminal</b>	Optical composite connector x 1
<b>[LENS] terminal</b>	12-pin x 1
<b>[VF] terminal</b>	20-pin x 1
<b>[VF] terminal (rear)</b>	29-pin x 1
<b>[DC In] Terminal</b>	XLR x 1, 4-pin, DC 12 V
<b>[DC Out 12V 1A] Terminal</b>	4-pin x 1
<b>[RET CTRL] terminal</b>	6-pin x 1
<b>[EXT I/O] terminal</b>	20-pin x 1, DC 12 V, 0.5 A
<b>[Remote] Terminal</b>	10-pin x 1
<b>[TRUNK] terminal</b>	12-pin x
<b>[DC OUT 12V 2.5A] terminal</b>	2-pin x 1
<b>[LAN] Terminal</b>	RJ-45 x 1
<b>[USB2.0] terminal (host)</b>	Type A connector, DC 5 V, 0.5 A
<b>Build-up Terminal</b>	20-pin x 1