



HD Studio Camera

## AK-HC3800

Broadcast Camcorder with optical fiber transmission

### Key Features

2/3-type 2.2-megapixel 60dB SNR 3CCD HD Studio Camera

Dynamic range stretch

12-axis color correction

AVCHD DOLBY.  
Progressive DIGITAL  
STEREO CREATOR

P2HD

4K  
PROFESSIONAL  
HDR



## AK-HC3800

<https://eu.connect.panasonic.com/n/en/products/broadcast-proav/ak-hc3800>

<b>Power Supply</b>	12 V DC (during external power supply operation) 190 V DC (when CCU is connected)
<b>Power Consumption</b>	25 W (during external power supply operation, camera only) 53 W (maximum power during external power supply operation when maximum power supplied for each output connector while all accessories are connected) 60 W (maximum power when CCU is connected and maximum power supplied for each output connector while all accessories are connected)
<b>Operating Temperature</b>	-10 °C to 45 °C (14°F to 113°F) Preheating required at temperatures below 0°C (32°F)
<b>Storage Temperature</b>	-20 °C to 60 °C (-4°F to 140°F)
<b>Operating Humidity</b>	10 % to 85 % (no condensation)
<b>Weight</b>	Approx. 3.7 kg (approx. 8.16 lb)
<b>Dimensions (W x H x D)</b>	135 mm x 260 mm x 367.5 mm (5-5/16 inches x 10-1/4 inches x 14-7/16 inches) excluding protrusions
<b>Pickup Devices</b>	2/3 type 2.2 million pixel IT, CCD x 3
<b>System</b>	GBR pickup system
<b>Color Separation Optical System</b>	f/1.4 prism
<b>Optical Filter</b>	ND: Clear, 1/4, 1/16, 1/64
<b>Lens Mount</b>	Bayonet type
<b>Output Standard</b>	SMPTE 292M
<b>Sensitivity</b>	F11 (59.94 Hz) F12 (50 Hz)
<b>Horizontal Resolution</b>	1100 TV lines
<b>S/N</b>	60 dB or higher
<b>Output Format</b>	1080/59.94i, 1080/50i, 1080/23.98p(over59.94i), 25p(over50i), 1080/29.97p(over59.94i), 720/59.94p*1, 720/50p*1, 1080/23.98PsF*1
<b>Horizontal Frequency</b>	33.716 kHz, 1125 line frame (59.94 Hz) 28.125 kHz, 1125 line frame (50 Hz)
<b>Vertical Frequency</b>	59.94 Hz or 50 Hz, interlace
<b>MIC Input</b>	-60 dBu to 4 dBu (XLR 3-pin female x 2) Gain selected by camera menu
<b>HD-SDI Output</b>	BNC x 2 (HD-SDI 1/HD-SDI 2) HD signal = 0.8 V [p-p], 75 Ω The HD-SDI 2 signal output can be added to the regular images using the camera menu item setting and switched to the VF or RET image output.
<b>Prompter Output</b>	BNC x 1, VBS signal = 1.0 V [p-p], 75 Ω
<b>DC Out</b>	12 V, MAX. 1A
<b>RET Control Terminal</b>	Round 6 pin x 1
<b>VF</b>	Round 20 pin x 1, D-Sub 29 pin x 1
<b>Power Switching</b>	CCU, OFF, EXT Functions specified by menu items can be assigned to the switch.
<b>RET A/B Selection</b>	For selecting the return signal
<b>RET/PTT Switching</b>	RET, PPT
<b>Output Selection*2</b>	CAM, BAR, TEST
<b>White Balance Mode*2</b>	A, B, preset
<b>Shutter Speed Selection*2</b>	59.94 Hz: 1/48 (23.98p), 1/60 (23.98p, 29.97p), 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000 50 Hz: 1/50 (25p), 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Intercom 2</b>	MIC ON/OFF, receiving level, or PGM level
<b>MIC Setting</b>	MIC power, MIC gain, MIC1 selection
<b>Note</b>	*1: The 720/59.94P, 720/50P and 1080/23.98PsF formats must be selected at the CCU. *2: When the CCU is connected, the selection functions cannot be used. Control is performed from the ROP.

\* When IP connection, 1080/29.97sF, 1080/50PsF, 720/59.94p, and 720/50p format are used, you may need to update AK-HC3800 firmware. For details, see the Panasonic website. <http://pro-av.panasonic.net/>

