



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 Progressive DOLBY DIGITAL STEREO CREATOR

P2HD

4K
PROFESSIONAL
HDR



AK-HC3800

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

Power Supply	12 V DC (during external power supply operation) 190 V DC (when CCU is connected)
Power Consumption	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)
Operating Temperature	-10 °C to 45 °C (14°F to 113°F) Preheating required at temperatures below 0°C (32°F)
Storage Temperature	-20 °C to 60 °C (-4°F to 140°F)
Operating Humidity	10 % to 85 % (no condensation)
Weight	Approx. 3.7 kg (approx. 8.16 lb)
Dimensions (W x H x D)	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
Pickup Devices	2/3 type 2.2 million pixel IT, CCD x 3
System	GBR pickup system
Color Separation Optical System	f/1.4 prism
Optical Filter	ND: Clear, 1/4, 1/16, 1/64
Lens Mount	Bayonet type
Output Standard	SMPTE 292M
Sensitivity	F11 (59.94 Hz) F12 (50 Hz)
Horizontal Resolution	1100 TV lines
S/N	60 dB or higher
Output Format	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
Horizontal Frequency	33.716 kHz, 1125 line frame (59.94 Hz) 28.125 kHz, 1125 line frame (50 Hz)
Vertical Frequency	59.94 Hz or 50 Hz, interlace
MIC Input	-60 dBu to 4 dBu (XLR 3-pin female x 2) Gain selected by camera menu
HD-SDI Output	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.
Prompter Output	BNC x 1, VBS signal = 1.0 V [p-p], 75 Ω
DC Out	12 V, MAX. 1A
RET Control Terminal	Round 6 pin x 1
VF	Round 20 pin x 1, D-Sub 29 pin x 1
Power Switching	CCU, OFF, EXT Functions specified by menu items can be assigned to the switch.
RET A/B Selection	For selecting the return signal
RET/PTT Switching	RET, PPT
Output Selection*2	CAM, BAR, TEST
White Balance Mode*2	A, B, preset
Shutter Speed Selection*2	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
Intercom 2	MIC ON/OFF, receiving level, or PGM level
MIC Setting	MIC power, MIC gain, MIC1 selection
Note	*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/>

