



Powerful studio camera

AK-HC3500A

New IT-3CCD delivering 1080i native resolution

Key Features

16-bit A/D converter

38-bit Digital Signal Processing (DSP)

Enhanced DTL Signal Processing



AK-HC3500A

<https://eu.connect.panasonic.com/lu/en/products/broadcast-proav/ak-hc3500a>

Power Consumption	37 W (excluding power supply), 340 W (include power supply)
Power Supply	AK-HC3500AP: 32W (during external power supply operation) 34W (when CCU is connected) AK-HC3500AE/AK-HC3500AES: 28W (during external power supply operation) 70W (when CCU is connected)
Operating Temperature	-10 °C to 45 °C (14°F to 113°F) Preheating required at temperatures below 0°C (32°F)
Operating Humidity	Less than 85 %
Storage Temperature	-20 °C to 60 °C (-4°F to 140°F)
Weight	Approx. 4.7 kg (approx. 10.36 lb)
Dimensions (W x H x D)	135 mm x 260 mm x 360 mm (5-5/16 inches x 10-1/4 inches x 14-3/16 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
CC Filter	3200 K, 4300 K, 6300 K, Cross, Diffusion
ND Filter	CAP, Through, 1/4, 1/16, 1/64
Lens Mount	Bayonet mount
Sensitivity	59.94 Hz F10 (2000 lx, 3200 K, 89.9 %) 50 Hz F11 (2000 lx, 3200 K, 89.9 %)
S/N	60 dB (typ) (Y: 30 MHz)
Horizontal Modulation	More than 50 % (27.5 MHz)
Output Format	1080/59.94i, 1080/50i, 1080/29.97p (over 59.94i), 1080/25p (over 50i), 1080/23.98p (over 59.94i)
HD-SDI Output	HD signal = 0.8 V [p-p], 75 Ω (BNC) 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. Embedded audio supported (MUTE when RET Video output)
Prompt Output Genlock Input	VBS signal = 1 V [p-p], 75 Ω (BNC) Tri-level SYNC/BB (BNC x 1) The PROMPT output and the GENLOCK input are changed with the switch.
AUX Output	Prompt2 Output: VBS Signal = 1 V [p-p], 75 Ω (BNC) (When there is Prompt2 input in CCU)
MIC Input	-60 dBu to 4 dBu (XLR 3-pin female x 2) Gain selected by camera menu
Intercom	Input: -60 dBu to -10 dBu Output: 100 mW max. (XLR 5-pin, female x 2) (The mix of PGM1 and PGM2 is individually controlled)
DC Out	12 V, MAX. 1 A