



HD Multi-Purpose Camera

AK-HC1800

High performance, compact model that realizes high picture quality and versatility

Key Features

High quality HD images

2/3-type CCD

Auto tracing white balance



AK-HC1800

<https://eu.connect.panasonic.com/en/products/broadcast-proav/ak-hc1800>

General

Power Requirements	DC 12V, 17 W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Weight	Approx.1.5 kg (Approx.3.3 lbs)
Dimensions (W x H x D)	90 mm x 117 mm x 160 mm (3-9/16 inches x 4-5/8 inches x 6-5/16 inches) (excluding protrusions)

Camera Unit

Image Sensors	2/3 type 2.2 mega pixels IT, CCD x 3
Total Number of Pixels	2010 (H) x 1120(V)
Effective Number of Pixels	1920(H) x 1080(V)
Image Sensing Method	GBR Image sensing method
Lens Mount	2/3 type bayonet mount
Optical Prism	F1.4 prism
Optical Filter	ND: CLEAR, 1/4, 1/16, 1/64
M.T.F.	50 % (typ) (27.5 MHz)
Gain	Maximum 72 dB by using gain up circuit, CCD accumulation and horizontal/vertical addition
S/N	60 dB (typ)
Sensitivity	F10: 2 000 lx, 3 200 K white reflection rate 89.9 % (1080/59.94i) F11: 2 000 lx, 3 200 K white reflection rate 89.9 % (1080/50i)
Minimum Illumination	0.015 lx (F1.4/68 dB)

Input/Output Connector

Video Output	HD-SDI (BNC x 1)
Sync Input	SYNC input (GL input 3 value SYNC/BB)
Camera Connector Control System	D-sub 15 pin x 1 Asynchronous (EIA-422)
Lens Connector 1	Iris control (HIROSE: HR10A-10R12SC)
Lens Connector 2	Zoom/ Focus control (HIROSE: HR10A-10R12PC)
Standard Accessories	Lens cap: 1, Filter: 2, Mounting screw for wire (Inch screw: 1/4-20UNC): 1, Flat washer (Inch screw): 1, Spring washer (Inch screw): 1, Operating instructions

Note

*For informations on "Output Signal Format", see page 34.