

Ikegami



Advanced Technology
One Piece Full Digital Box-type HDTV Camera

HDL-40



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Features

● 2,200,000-pixel IT CCDs

2/3-inch 2,200,000 pixel 1080i IT CCDs are employed to achieve superb picture quality and improve smear level.

* FIT 2/3" 2,200,000CCD version is available.

● Fully Digitalized Circuits

12-bit A/D conversion and fully digital processing through the use of 0.18μm design rule 3,300,000 gates ASIC has been realized. Fully digital stream through the camera HD-SDI output assures signal integrity, repetitive high picture quality and stable reliability.

● Compact and Light Weight Construction

Weigh less than 4.0 lbs. Various applications are possible such as: weather camera, overview camera on a pan & tilt, under-water craft, spacecraft, airborne use, surveillance and POV (Point Of view) applications for accurate caption from lively exciting angles in the field.

● Next Generation ASIC for Advanced Operations

Incorporating Next-Generation, Advanced Digital Processing ICs to achieve Digital Wide Band DTL circuit for contour correction reproduces precise pictures, Black Stretch circuits support operators for various video production demands.

● Automatic Exposure Modes

Low and high speeds shutter performance widen applications. Special features are such as Auto Electronic Shutter and Charge Accumulation makes time lapse and longer exposure time for further increasing sensitivity in very low light possible.

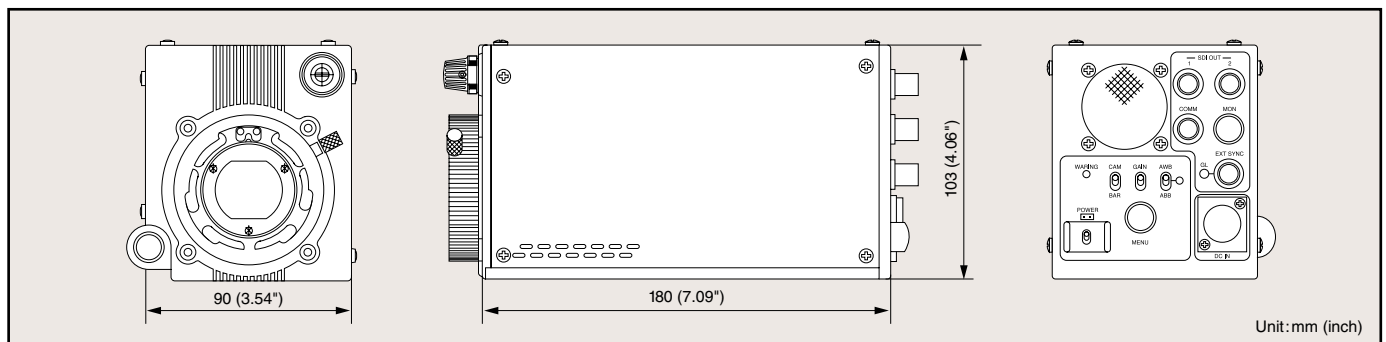
● Optional Extended Application

Support of fiber extension system with the HDTV POV equipment.

Rating/Performance

ScanningSystem.....	1125(59.94Hz) interlaced
CCD Image Sensor.....	2/3-inch 2,200,000 -pixel IT CCD 2/3-inch 2,200,000 -pixel FIT CCD (Factory Option)
Effective Picture Elements..	H1920 X V1080
OpticalSystem.....	2/3-inch 3 CCD, f/1.4
LensMount.....	2/3-inch Bayonet (B4) (Conforms to BTA S-1005B)
OutputSignals.....	HD SDI signal (BNC 2 ch) : SMPTE292M Video signal (1ch): Analog R,G,B / Y, Pb, Pr selectable Phase reference signal 1ch: 3 level sync 0.6Vp-p
Sensitivity.....	F8 at 2000lx (F10 at 2000lx : FIT Version)
S/N.....	54dB
Horizontal Resolution.....	1000TVL
OpticalFilter.....	3200K, 5600K, 5600K+1/8ND, 5600K+1/32ND
GainControl.....	0dB, +6dB, +12dB, +18dB, +24dB, +30dB
ElectricShutter.....	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 (sec.) CVSS : 1/63 ~ 1/2000 (sec.) Auto Electronic Shutter
SpecialFunction.....	Time lapse and longer exposure time (Option) Filter servo unit (Option)
OperatingTemperature.....	-10°C ~ +45°C (+14°F ~ +112°F)
Operatinghumidity.....	30% ~ 90% (Non-condensing)
Power Requirements.....	DC12V (11 ~ 16V)
Power Consumption.....	Approx. 20W
Weight.....	Approx. 1.8kg (3.97 lbs)
Dimensions.....	W90XH103XD180mm (W3.54XH4.06XD7.09 inches)

[Appearance]



Design and specifications are subject to change without notice.

*NTSC versions are no available with CE Mark.

Ikegami Tsushinki Co.,Ltd.

■ URL : <http://www.ikegami.co.jp/en/>

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■ Head Office
5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.03-5700-1111/FAX.03-5700-1137

■ Overseas Sales Division
5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.03-5700-4114/FAX.03-5748-2200

Ikegami Electronics (Europe) GmbH ■ URL : <http://www.ikegami.de>

■ Headquarters
Ikegami Strasse 1, D-41460 Neuss, Germany TEL.02131-1230/FAX. 02131-102820

■ U.K. Branch
Unit E1 Cologne Court, Brooklands Close, Windmill Road, Sunbury-on-Thames, Middlesex TW16 7EB, England TEL.01932-769700/FAX.01932-769710

■ Denmark Office
Frederikssundsvej 266, 2700 Broenshoej, Denmark TEL.3880-9903/FAX.3881-9903