

# Ikegami



***Advanced Technology***  
***One Piece Full Digital Box-type HDTV Camera***

# HDL-40 Series



Advanced Technology  
One Piece Full Digital Box-type HDTV Camera

# HDL-40 Series



## Expanding New Features

- Employs latest IT 2/3" CCDs with native 720/60p, the HDL-40P is now available for the supreme POV application.

## 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 0.18 $\mu$ m 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

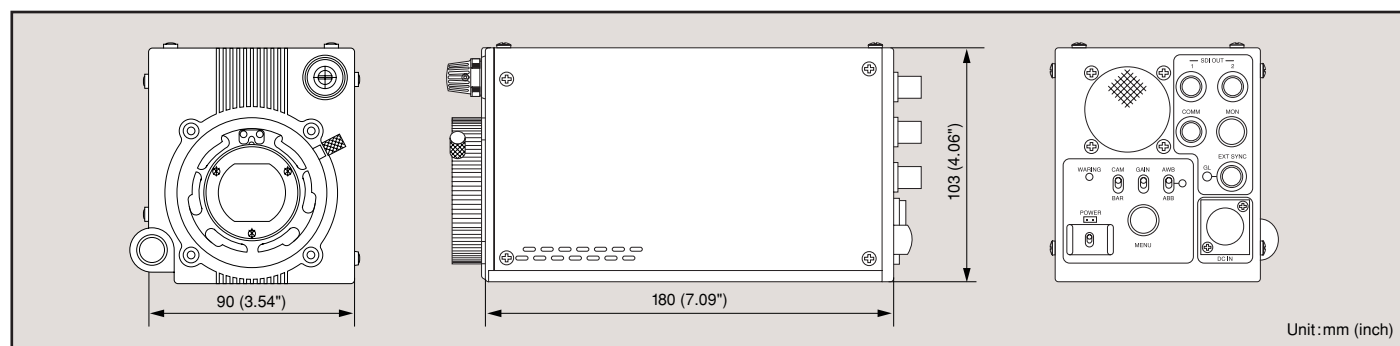
Incorporating Next-Generation, Advanced Digital Processing ICs to achieve Digital Wide Band DTL circuit for contour correction reproduces precise pictures, Black Stretch circuits support operators for various video production demands.



### ● Optional Extended Application

Support of fiber extension system with the HDTV POV equipment.

## [Appearance]



## Rating/Performance

Scanning System.....	1125 interlaced (59.94Hz) /1920(H) x 1080(V)
(Effective Picture Elements)...	750 progressive (59.94Hz) / 1280(H) x 720(V)
CCD Image Sensor.....	2/3-inch 2,200,000 -pixel IT CCD (HDL-40)
	2/3-inch 1,000,000 -pixel IT CCD (HDL-40P)
	2/3-inch 2,200,000 -pixel FIT CCD (Factory Option)
Optical System.....	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 / 296M
	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 (HDL-40) / F10 at 2000lx (HDL-40P)
S/N.....	54dB
HorizontalResolution.....	1000TVL (HDL-40) / 700TVL (HDL-40P)
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.....	W90 x H103 x D180mm(W3.54 x H4.06 x D7.09 inches)

Design and specifications are subject to change without notice.

H44C063-HI-K1 Printed in Japan

**Ikegami** IKEGAMI ELECTRONICS (U.S.A.), INC. ■ URL <http://www.ikegami.com>

**HEADQUARTERS** 37 BROOK AVENUE, MAYWOOD, NJ 07607  
Phone:(201) 368-9171 Fax:(201) 569-1626

**WESTCOAST OFFICE** 2631 MANHATTAN BEACH BLVD., REDONDO BEACH, CA 90278  
Phone:(310) 297-1900 Fax:(310) 536-9550

**SOUTHWEST OFFICE** 773 BEARDEN WAXAHACHIE, TX 75167 Phone:(972) 869-2363 Fax:(972) 556-1057

**MIDWEST OFFICE** 747 CHURCH ROAD, UNIT C1, ELMHURST, IL 60126 Phone:(630) 834-9774 Fax:(630) 834-8689

**SOUTHEAST OFFICE** 5200 N.W. 33RD AVENUE, SUITE 111 FORT LAUDERDALE, FL 33309 Phone:(954) 735-2203 Fax:(954) 735-2227

