

Ikegami

HD
High Definition

Advanced Technology

One Piece Full Digital Native Multi-format HDTV Camera

HDL-40C



**Leading-edge CMOS sensor technology,
featured in several innovative models,
pushes the state-of-the-art in End to End Digital,
Multi-format HD Cameras.**

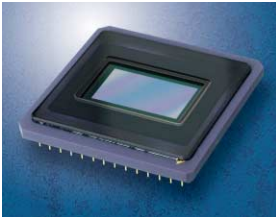
HDL-40C



2.5 Mega-pixel specified CMOS sensor

Newly developed CMOS sensors are employed to achieve supreme picture quality. CMOS sensors have wide dynamic range and, in principle, no smear.

The sensors include significant circuitry, resulting in interface or progressive operation(multi-format) with digital output all in a very small device with low power consumption.



Newly developed CMOS sensor

Fully Digitalized Circuits

Fully Digital processing through the use of 0.18um design rule 3,300,000 gates ASIC has been realized.

Fully digital stream through the camera HD-SDI output assures signal integrity, respective high picture quality and stable reliability.



Next-generation digital process ASIC (0.18um design rule)

HDTV Native Multi-format capability

All native 1080/60i, 1080/24p, 720/60p format are available from the camera head, offering the best of choice for today's challenging times.

Compact and Lightweight Body

The compact and lightweight body makes the camera suitable for a wide variety of applications such as studio, weather camera, underwater craft, airborne, surveillance, POV(Point Of View), and much more.

Servo Filter (Factory option)

The 4-position Optical Filter Wheel can be motorized as an option with filter position control at the remote control panel (RM-50, OCP-200, etc.).

Dual Link HD-SDI Output (Factory option)

720/120p or 1080/60p via dual link HD SDI for special applications is available as an option.

Ratings/Performance

| | |
|----------------------------|--|
| Image Sensor | 2/3-inch 2,500,000-pixel CMOS Sensor |
| Effective Picture Elements | 1920(H) x 1080(V) |
| Optical System | 2/3-inch R,G,B specified 3CMOS sensors |
| Lens Mount | 2/3-inch Bayonet(B4) (Conforms to BTA-S1005B) |
| Acceptable Format | 720/60p, 1080/60i, 1080/24p, 720/120p (option) |
| Output Signals | HD-SDI signal (BNC 2 ch) |
| Video signal | 1ch: Analog R,G,B / Y, Pb, Pr selectable |
| Phase reference signal | 1ch: 3 level sync 0.6Vp-p |
| Sensitivity | F10 at 2000 lx |
| S/N | 56dB (HDTV-target) |
| Horizontal Resolution | 1000TVL |
| Optical Filter | 3200K, 5600K, 5600K+1/8ND, 5600K+1/32ND |
| Gain Control | 0dB, +6dB, +12dB, +18dB, +24dB, +30dB |
| Electric Shutter | Available |
| Operating Temperature | -10°C ~ +45°C (+14°F ~ +112°F) |
| Operating humidity | 30% ~ 90% (Non-condensing) |
| Power Requirements | DC12V (11V ~ 16V) |
| Power Consumption | Approx. 16W |
| Weight | Approx. 1.4kg (3.09 lbs) |
| Dimensions | W90 X H103 X D180mm (3.54 X 4.06 X 7.0 inches) |

Rear View



Design and specifications are subject to change without notice.

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