

High-Definition 3CCD Camera

HDL-37



The HDL-37 compact HDTV 3CCD camera features a newly developed 2/3-inch 2,000,000-pixel CCD image sensor to deliver outstanding image quality and resolution that compares to a 1-inch 2,000,000-pixel CCD compartment.

In addition, an unprecedented reduction in camera head size is achieved in a HDTV camera.

The HDL-37 will find use in various applications.

Beyond the traditional concepts of HDTV cameras.

The world of exceptional image quality will gain even more familiarity and take on a new dimension.

HDL-37 Compact High-Definition 3CCD Camera

Features

● **Newly developed 2/3-inch 2,000,000 pixel ccds image sensor**
The HDL-37 delivers high image quality and high resolution (sensitivity of 2000 lx, f8.0/critical resolution of 1000TVL), while achieving a substantial reduction in camera head size (W72 x H103 x D109mm/0.95kg approx.), as compared to conventional compact hdtv cameras.

● **Two types of camera control units**

Camera control units come in two types: the CCU-37, a newly developed digital unit, and the CCU-30 that boasts field-proven reliability and a good track record for use with the HDL-30 series.

● **Digital video circuitry**

The CCU-37 sports digital video circuitry based on 10bit A/D conversion. nonlinear processing performed by gamma correction and other circuits is digitized, with digital contour correction and other circuits, thereby realizing high picture quality with consistent stability and enhanced reliability. digital processing also allows for a variety of special functions.

● **Flexible cable employed**

When the camera head is away from the CCU-37, within a distance of 30 meters, a thin, flexible cable (9.4mm dia) can be used. the distance between the camera head and CCU-37 can be extended upto 200 meters. (with the CCU-30, the distance can be extended up to 100 meters).

● **Component serial digital signal output supported**

By attaching the HD-SDI adaptor (optional) to the CCU-37, a component serial digital video signal output can be provided. Because noncompressed digital transmission can be implemented, high-quality video can be transmitted without degradation of image quality.

● **Operation with existing facilities also considered**

When the HVC-37 high-performance down-converter (optional) is connected to the CCU-37, broadcast-quality NTSC video output can be delivered.



CCU-37 Front View



CCU-37 Rear View



CCU-30 Front View

Rating/Performance

Scanning System	1125(59.94Hz) or 1125(60Hz)
Optical System	2/3-inch RGB method prism f1.4
Lens Mount	2/3-inch Bayonet B4 12pin connector
Image Sensor	2/3-inch 2,000,000-pixel FIT CCDx3
Input Signals	External Video Sync SYNC (0.6Vp-p+/-6dB) 3 Level Sync
Output Signal	
CCU-37	HD Analog signal(RGB 2ch or Y,Pb,Pr 2ch) NTSC Analog simple monitor signal(VBS 1ch) (HVC-37 down-converter provided as option) Sync (0.6Vp-p) 3 level sync 2ch
CCU-30	Video signal Y,Pb,Pr or RGB switchable 1ch WFM signal Y, Pb, Pr SEQ select 1ch PM signal Y, Pb, Pr select 1ch
Sensitivity	CCU-37 2000 lx /f8.0 CCU-30 2000 lx /f7.0
S/N	CCU-37 54dB CCU-30 51dB
Critical Resolution	Over 1000 TVL
Detail Correction	Vertical: 2H Digital Delay System Horizontal: Boost Frequency 17MHz ~ 22MHz
Optical Filter	3200K, 5600K, 5600K+6.2%ND
Gamma*	OFF, 0.35, 0.4, 0.45
Gain	CCU-37 0, +6dB, +12dB, +18dB CCU-30 0, +3dB, +6dB
Color Temperature setting	5600K
Automatic Function	AWB, ABB, ABS*
Special Function	AGC, Auto Elec Shutter, Scene File, Arrow Pointer, Character File, Time Lapse, Video Memory, Video Freeze, Ext Trigger, Scan Shutter, Electric Zoom, Rate Converter
Operating Condition	
Ambient Temperature	HDL-37 -10°C ~ +45°C (+14F ~ +113F) CCU-37/30 0°C ~ +45°C (+32F ~ +113F)
Ambient Humidity	30% ~ 90% non-condensing
Input Voltage	AC100/117/230/240V DC 11~16V
Power Consumption	HDL-37 50VA approx. CCU-37 300VA approx. CCU-30 150VA approx.
External Dimensions	HDL-37 W72 x H103 x D109mm(2.83x4.06x4.29 inches) CCU-37 W430 x H88 x D490mm(16.9x3.5x19.3 inches) CCU-30 W215 x H132 x D430mm(8.5x5.2x16.9 inches)
Weight	HDL-37 0.95kg (2.1 lbs) CCU-37 20.0kg approx.(44.1 lbs) CCU-30 8.0kg approx (17.6 lbs)

Design and specifications are subject to change with notice.