

IKEGAMI HDL-51

The Ikegami HDL-51 is a compact single piece full digital 2/3" HD CMOS camera system incorporated into an extremely compact chassis and packed with features and performance associated with larger and more expensive HD camera products. 2.5M pixel CMOS sensors are employed to achieve superb picture quality and the HDL-51 supports all HD formats including 1080/50i, 1080/59.94i, 1080/23.98p, 1080/25p, 720/59.94p and 720/50p.

12-bit A/D conversion and fully digital processing through the use of 0.18-micro m design rule ASIC have been achieved with a fully digital stream through the camera HD-SDI output ensuring signal integrity, repetitive high picture quality and stable reliability. A HD analogue output from the camera head is also available.

The Ikegami HDL-51 can be supplied as a standalone unit (wireless RCP option also available) or in conjunction with the Telecast POV single mode fibre transmission system for remote operation allowing for smooth integration into HD broadcast environments. When combined with the ACS SMARThead™ remote system, this provides a cost effective HD POV solution for a range of HD broadcast applications from sports events to entertainment and reality programmes.

Technical Specifications

RATING PERFORMANCE:	HDL-51
SCANNING SYSTEM:	1080 (50Hz) interlaced, 1080 (59.94Hz) interlaced, 1080p (23.98Hz) progressive, 1080p (25Hz) progressive, 720p (50Hz) progressive, 720p (59.94Hz) progressive
IMAGE SENSOR:	2/3" 2,500,000 pixel CMOS sensor
EFFECTIVE PICTURE ELEMENTS:	H1920 x V1080 (1080i format) H1280 x V720 (720p format)
OPTICAL SYSTEM:	2/3" 3 CMOS, f1.4



LENS MOUNT:	2/3" Bayonet (B4) - conforms to BTAS-1005B
OUTPUT SIGNALS:	HD SDI signal (BNC 2ch): SMPTE292M VIDEO SIGNAL (1ch): Analogue R, G, B/Y, Pb, Pr selectable Phase reference signal 1 ch: 3 level sync 0.6Vp-p
SENSITIVITY:	F8 at 2000 lux
S/N:	-54dB (Y)
HORIZONTAL RESOLUTION:	1000 TVL (1080i)
OPTICAL FILTER:	3200K, 5600K, 5600K+1/8ND, 5600K+1/32ND
GAIN CONTROL:	0dB, +6dB, +12dB, +18dB, +24dB, +30dB
OPERATING TEMPERATURE:	-10°C - 45°F (14°F - 112°F)
OPERATING HUMIDITY:	30% - 90% (Non condensing)
POWER REQUIREMENT:	DC12V (11-16V)
POWER CONSUMPTION:	Approximately 20W
WEIGHT APPROXIMATELY:	1.5KG (3.3lbs)
DIMENSIONS:	W90 x H103 x D180mm (W3.54 x H4.06 x D7.09")