

TOSHIBA

IK-HD1



PRODUCT LAUNCH SPECIFICATION

features

Lightweight Remote Camera System

HDTV 1080i / 59.94 and 60Hz modes

HD-SDI and Analogue Signal Outputs

Fujinon TF Lens Range Compatible

Excellent resolution

Compact lightweight head

Prism Compatible OEM lenses available

Polecam Remote Control Panel Compatible

Camera Mounting Base Plate (included)

Optional 4~40mm f2.2 Zoom Lens

(Compact 70x84mm in size, available Summer 2007)

The Toshiba IK-HD1 HDTV colour video camera system ideal solution for broadcast and other imaging applications.

- Remote head HDTV Camera Head IK-HD1H and Camera Control Unit IK-HD1C
- HD-SDI and YUV / RGB Analogue Outputs
- Resolution Output 1920 x 1080i x 60Hz / 59.94Hz
- **Digital Signal Processing**
- 65 gram Head Weight
- 5 User Scene File memories includes RS232C Control Capability
- Sensitivity 2000Lx @ f6.8
- Six vector colour matrix adjust
- **On Screen Display:** Digital/Analogue/Off (output select)
- External Reference Input capability
- Remote Control Available (Polecam Product)
- C-Mount
- 12 Volt DC operation

IK-HD1

s p e c i f i c a t i o n s

Pick Up System	3-CCD, RGB Micro Prism System
Image Sensor	IK-HD1H 3 x 1/3-inch IT CCD's
Output Pixels	1920H x 1080i HDTV 60Hz / 59.94Hz (switchable)
Scanning System	2:1 Interlaced (1080i)
Scanning Frequency	[59.94Hz] Horizontal: 33.716kHz Vertical: 59.94Hz [60Hz] Horizontal: 33.75KHz Vertical: 60Hz
Sync System	Internal / External Automatic Switching
Resolution	Horizontal 800 TV Lines across 56% of screen width (equal 16:9 screen height) Vertical 800 TV Lines
Sensitivity	2000 Lux at f6.8 (100% video out) 210 Lux at f2.2 / 0dB (100% video out) approx 105 Lux at f2.2 / +6dB Gain (100% video out) approx 13 Lux at f2.2 / +18dB Gain
Signal/Noise Ratio	56dB (Gain @ 0dB + DNR OFF)
Lens Mount	C-Mount (Flange back focal length 17.526 mm in air)
Operating Temperature	0-40° C (32-104° F)
Ambient Humidity	< 90% Relative
Scene Files (User Memories)	5 (A, B, C, D and E)
White Balance Modes	MAN: Manual (RED and BLUE adjust) AWB: Auto White Balance (Push to Set White) ATW: Auto Tracing White
Gain Modes	AUTO: Automatic Gain Control to +18dB (with upper limit set). MAN: Manual Gain Control in 1 dB steps to +18dB NORM: 0dB / OFF
Electronic Shutter Modes	MAN: Manual Shutter 8 Steps, (1/60H to 1/10,000 sec) AUTO: Automatic Shutter (EEI / CCD Iris) SS: Synchro Scan 1/1125H - 560/1125H
Colour Matrix	Adjustable 6 axis colour matrix circuit (R, G, B, Cy, Y, Mg)
Output Signals	HD-SDI (SMPTE 292M) Output x 1 to BNC Connector Y / R-Y / B-Y 75 Ohm Unbalanced to BNC Connectors Red, Green and Blue 75 Ohm Unbalanced to BNC connectors (YUV / RGB Output Menu Selectable) Analogue Sync Output to BNC Connector
External Sync Input	0.6volts: 75 Ohm Unbalanced, Sync Negative, BNC Connector
Sync Signal Output	0.6 +/- 0.1 volts (p-p) Negative Load Impedance 75 Ohms Unbalanced
On Screen Display Output	Selectable: Analog, Digital, both ON or Both OFF
Available Lenses	2.8mm (82 degrees FOV) 4mm (62 degrees FOV) (Fujinon lens range includes 2.8 / 4.0 / 8.0 / 15.0 and 25mm options)
Remote Control Interface	RS-232C Serial Data Control Interface (9-pin Female D connector)
Optional Accessories	Camera Cables (EXC-HD03 / 06 / 10 and 30m lengths available).
Power Requirements	12 Volts DC, 10.3 Watts (0.75 Amps)
Weight	IK-HD1H: 65g (Head) : IK-HD1C 750g (CCU)
Dimensions	IK-HD1H: 32.6mm (W) x 38.6mm (H) x 40mm (D) IK-HD1C: 110mm(H) x 40mm(W) x 186mm(D)

Design and Specifications are subject to change without notice.

TOSHIBA

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