

IK-HD1E

3CCD HDTV CAMERA



Features

- 1080i 50/60 Hz
- 1920 x 1080 output pixels
- 3CCD (1/3") interlaced
- C-mount
- Digital HD-SDI (SMPTE 292M);
Analog RGB or Y / R-Y / B-Y
- RS 232C serial interface
- Auto & Manual white balance
- Optional accessories:
3, 6, 10 & 30 meter cables;
Remote Control Panel (Polecam)

Applications

- Scientific imaging /diagnostics
- Specialty broadcast
- High definition security
- Industrial video / inspection

High-Definition from one of the World's Smallest Camera Heads.

Toshiba's HD 3CCD Colour Camera System gives you the sharpest, clearest, true colour imagery available - from the most compact HD camera on the market. Our unique prism block technology delivers impeccably sharp detail from a 1.6" camera head. Let Toshiba bring your project to HD life.

TOSHIBA
Leading Innovation >>>
Imaging Systems Division

IK-HD1E 3CCD HD CAMERA

CAMERA HEAD:

SPECIFICATIONS

Image Sensor	3CCD – 1/3 inch interlaced
Output Resolution	1920 (H) x 1080 (V)
Sensitivity	F7.4 standard (2000 lux) 50Hz mode
Minimum Illumination	13 lux (F2.2, Sensitivity + 18 dB)
S/N Ratio	≥ 54 dB
Lens Mount	C-mount
Ambient Temperature	0°C to 40°C (32°F to 104°F)
Ambient Humidity	Less than 90%
Dimensions	32.6 mm (W) x 38.6 mm (H) x 41 mm (D)
Weight	65 grams (2.3 oz)

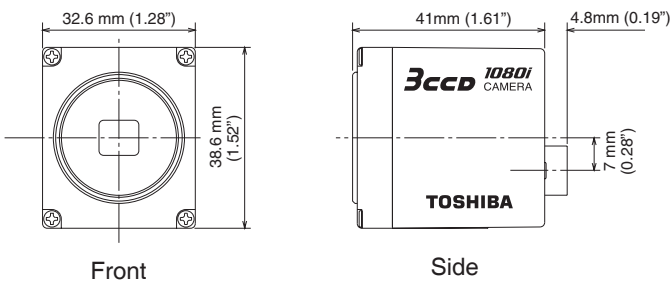
Design and specifications are subject to change without notice.

CONTROLLER:

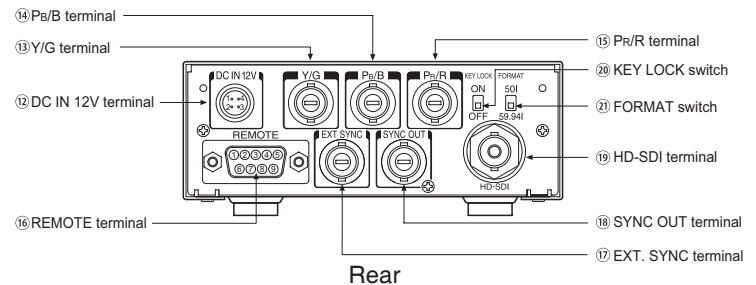
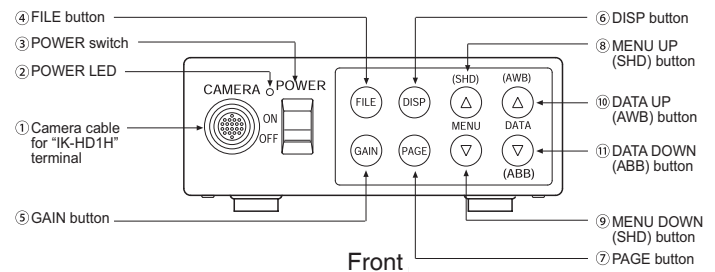
SPECIFICATIONS

Power Requirements	12V DC ± 10%
Power Consumption	10.3W
Output Signal	Digital HD-SDI (SMPTE 292M); Analog RGB or Y/P _b /P _r
Frame Rate	25/30 frames per second
Scene File (user memories)	5 files (A, B, C, D, E)
White Balance	ATW (automatic tracing balance), AWB (automatic white balance), MANUAL
Gain	AUTO (automatic gain control), MANUAL, OFF (0 dB)
Ambient Temperature	0°C to 40°C (32°F to 104°F)
Ambient Humidity	Less than 90%
Dimensions	110 mm (W) x 40 mm (H) x 186 mm (D)
Weight	730 grams (1.61 lbs)

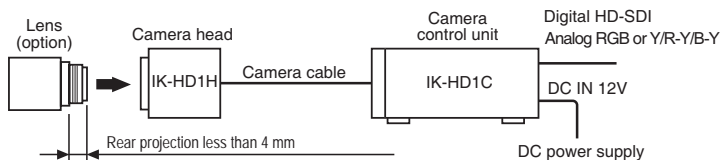
EXTERIOR DIMENSIONS



FRONT AND BACK PANELS



CONNECTION



SYSTEM COMPONENTS

For further details, please contact Polecam Technical Services.

Camera System

Model	Description
IK-HD1H	Camera Head
IK-HD1C	Camera Control Unit

Camera Cable

Model	Length
EXC-HD03	3 m
EXC-HD06	6 m
EXC-HD10	10 m
EXC-HD30	30 m

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