

IK-HD1

3CCD HDTV CAMERA



Features

- 1080i output
- 1920 x 1080 output pixels
- 3CCD (1/3") interface
- C-mount
- Digital HD-SDI (SMPTE 292M);
Analog RGB or Y/P_b/P_r
- RS 232C serial interface
- Auto & manual white balance
- Optional accessories:
3, 6, 10 & 30 meter cables;
4mm or 15 mm lens

Applications

- Scientific imaging /diagnostics
- Specialty broadcast
- Homeland security
- Industrial video / inspection

True High-Definition from the World's Smallest Camera Head.

Toshiba's HD 3CCD Color Camera System gives you the sharpest, clearest, true color 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.

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IK-HD1 3CCD HD CAMERA

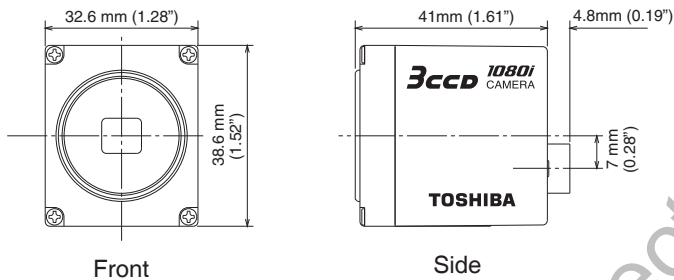
CAMERA HEAD:

SPECIFICATIONS

Image Sensor	3CCD – 1/3 inch interlace
Output Resolution	1920 (H) x 1080 (V)
Sensitivity	F6.8 standard (2000 lux)
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.

EXTERIOR DIMENSIONS

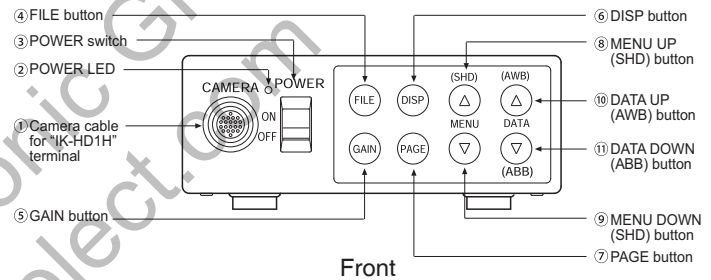


CONTROLLER:

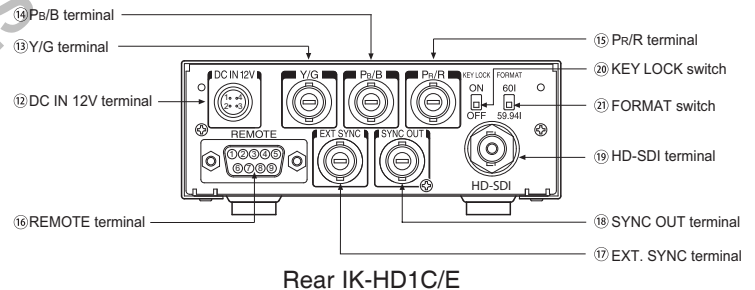
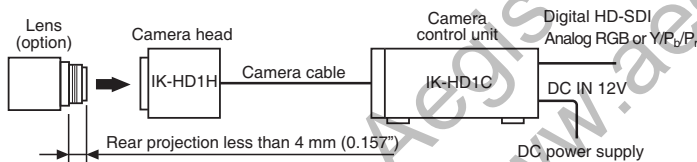
SPECIFICATIONS

Power Requirements	12V DC ± 10%
Power Consumption	10.3W
Output Signal: IK-HD1C/E	Digital HD-SDI (SMPTE 292M); Analog RGB or Y.P _b .P _r
IK-HD1D	Digital Output DVI (8bitxRGB); Analog RGB or Y.P _b .P _r
Frame Rate	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)

FRONT AND BACK PANELS



CONNECTION



SYSTEM COMPONENTS

For further details, contact your Toshiba ME/FA distributor.

Camera Cable

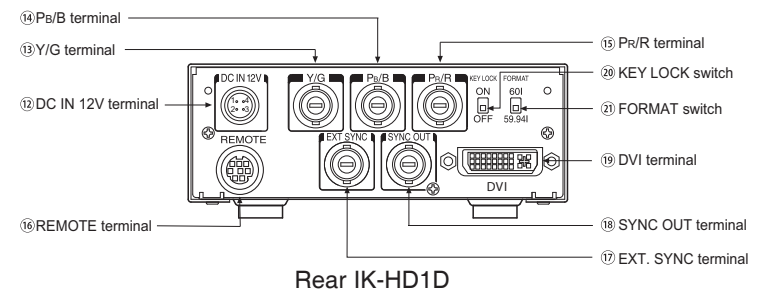
Model	Length
EXC-HD03	3 m
EXC-HD06	6 m
EXC-HD10	10 m
EXC-HD30	30 m

Camera System

IK-HD1H	Camera Head
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Camera Control Units

IK-HD1C	HD-SDI @ 60Hz Output
IK-HD1D	DVI @ 60Hz Output
IK-HD1E	HD-SDI @ 50/60Hz Output



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This Class A digital apparatus complies with Canadian ICES-003.