

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

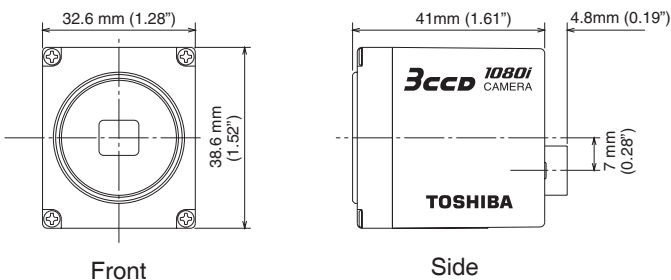
CAMERA HEAD:

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.

EXTERIOR DIMENSIONS

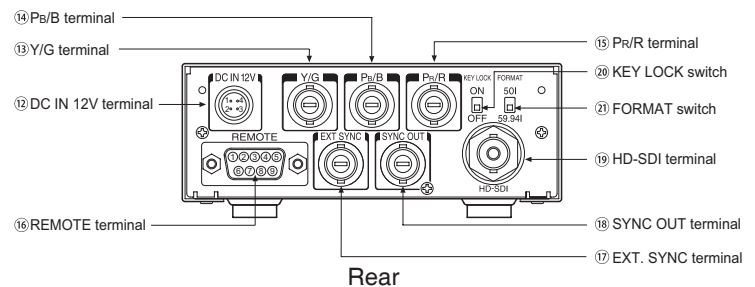
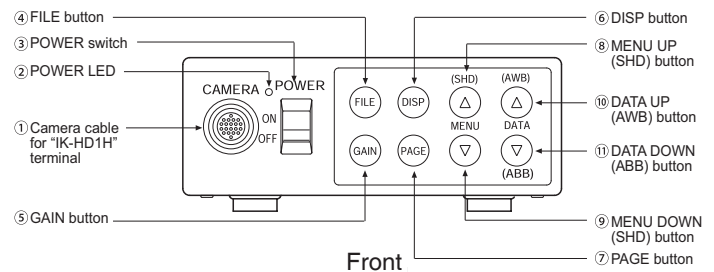


CONTROLLER:

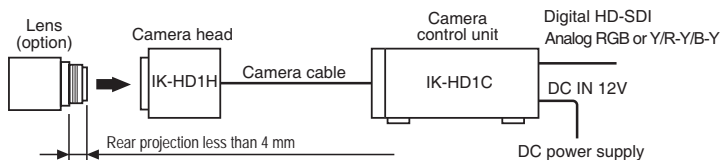
SPECIFICATIONS

| | |
|----------------------------|---|
| 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) |

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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