

IK-HR1S

ULTRA COMPACT HD-SDI
1080i/720p HI-DEF CAMERA



Features

- Ultra compact (approx 1.75" x 1.75" x 3") one-piece system
- Output selectable between 1080i and 720p at 50 or 60 Hz Video
- Utilizes 1/3" CMOS 2.1 megapixel sensor
- On-screen menu
- Weighs only 4.3 oz. (without lens)
- HD-SDI Video Output
- Auto and manual white balance
- Auto and manual electronic shutter
- C-mount lens ready

Applications

- Broadcast
 - sports, entertainment, wildlife, reality TV, head-cam, news-copter
- Scientific imaging /diagnostics
- Homeland security

One-Piece 1080i/720p High Definition Camera.

Toshiba's new IK-HR1S color camera provides incredible high definition video with the flexibility of switchable 1080i or 720p output. This compact, one-piece camera is ideal for high speed and broadcast imaging, producing little or no motion artifacts. From land, air or sea, let Toshiba bring your project to HD life.

TOSHIBA
Leading Innovation >>>

IK-HR1S 1080i / 720p SWITCHABLE Hi-Def CAMERA

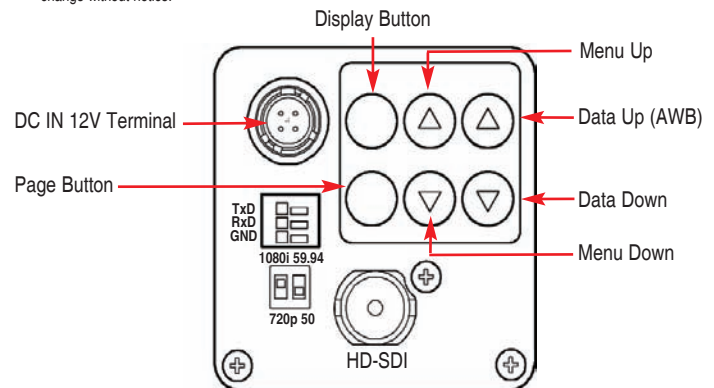
PERFORMANCE SPECIFICATIONS

| | |
|--------------------------------|---|
| Power Requirements | 12 VDC ± 10% DCIN connector (4pin) |
| Power Consumption | Approx. 4 watts |
| Image Sensor | 1/3" progressive scan CMOS |
| Output Pixels | Horizontal: 1920, Vertical: 1080 |
| Scanning System Sync / Freq | Progressive (720p)/Interlaced (1080i) Switchable 720p @ 60 fps; 1080i @ 30 fps H: 33.716 kHz, V: 59.94 Hz (1080/59.94i setting) H: 28.125 kHz, V: 50 Hz (1080/50i setting) H: 44.955 kHz, V: 59.94 Hz (720/59.94p setting) H: 37.500 kHz, V: 50 Hz (720/50p setting) |
| Sensitivity | f/4 standard (2000 lux, 3000K) |
| Min. Illumination | 8 lux standard (50 IRE, f1.4, gain + 18 dB) |
| Frame Rate | 30 fps (1080i), 60 fps (720p) |
| Video Signal Output | HD-SDI (SMPTE292M), 0.8 V (p-p) standard 75 ohms unbalanced BNC connector |
| Sync. System | Internal |
| Dimensions | 1.75" x 1.75" x 3.0625" |
| Weight | 4.3 oz. |
| Operating Temperature | 0°C to + 40°C |
| Storage Temperature | -20°C to + 60°C |
| Humidity | 90% or less (non-condensing) |

SPECIFICATION - FEATURES

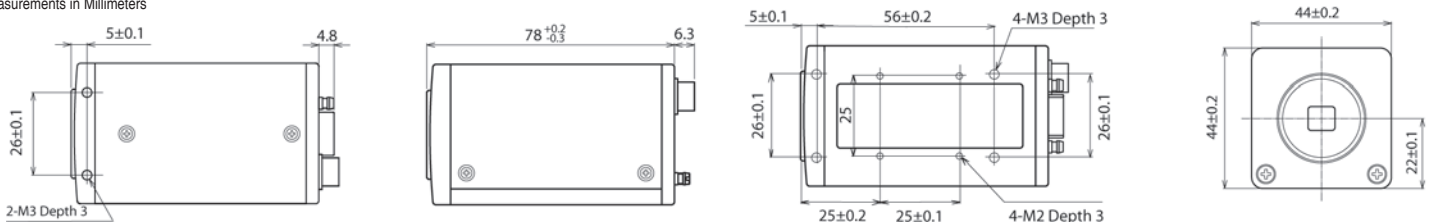
| | |
|--------------------|---|
| Shutter | Manual – Off (1/60s), 1/100s, 1/125s, 1/250s, 1/500s, 1/1000s, 1/2000s, 1/4000s Auto Level – range of -100 to 100 Synchronized Scan – Set by horizontal scanning time |
| Gain | MANUAL (manual), OFF (0dB) |
| White Balance | AWB (Automatic White Balance) ATW (Automatic Tracking White Balance) Manual (Manually Adjustable) |
| Gamma | OFF / MANUAL : 0 to 18dB (1dB/step) |
| Scene File Setting | 5 Files A/B/C/D/E |
| Remote Control | RS-232C: Baud rate 9600bps/19200bps |

Design and specifications are subject to change without notice.

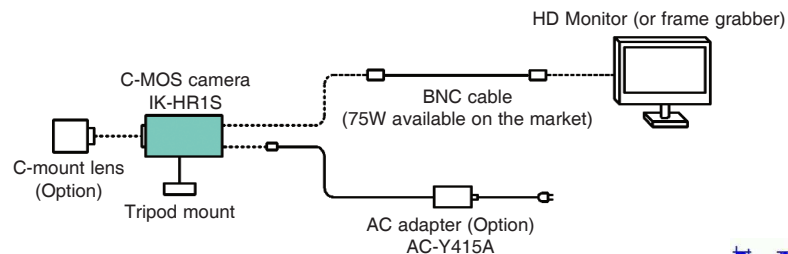


DIMENSIONS

Measurements in Millimeters



CONNECTIONS FOR DIGITAL MONITORING/RECORDING



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