



IK-TU40A

Model IK-TU40A Toshiba's 10-Bit, Digital Signal Processing, 3CCD Remote-Head Camera for Broadcast and Industrial Applications



■ Toshiba's 10-Bit, Digital Signal Processing System

Toshiba's 3CCD, high performance camera utilizes 1/3", 410,000 pixel IT CCD's with microlens technology. The ultra small camera package with C-Mount, plus the high performance digital processing make this model a perfect choice for demanding applications.

- Three, 1/3" 410,000 pixel IT CCD's for over 750 lines of resolution
- 62dB signal to noise ratio due to 10-Bit, RGB, DSP circuitry
- 10' and 20' detachable cables from head to CCU
- On screen programming for all camera functions
- Digital detail enhancements
- 3 user memories for camera set-up
- 64 zone DSP for AWB and auto shutter functions
- Digital gamma control including black gamma
- RS-232C interface
- F8 (2000 Lux) sensitivity
- Advance image processing modes including: negative video, 1 pulse trigger and multi frame integration
- Digital Shading correction
- 12 VDC input

| IK-TU40A Specifications | |
|-------------------------------|--|
| Imaging element | 1/3", 410,000 pixel, microlens, interline, CCD (3x) |
| Effective pixels | 768 (H) x 494 (V) |
| Resolution | 750 horizontal lines: Y signal, 570 lines: R.G.B. |
| S/N ratio | 62dB |
| Standard subject illumination | FB (2000 Lux) 3000° K |
| Minimum subject illumination | 10 Lux @ F2.2 + 18dB gain, 50 IRE output |
| Scan frequency | 15.734kHz horizontal, 59.94Hz vertical |
| Scan type | 2:1 interlaced, NTSC |
| Video outputs | Composite, Y-C, RGB, R-YB-Y Y |
| Output impedance | 75 ohms, unbalanced |
| Synchronization method | Internal or external (automatic switching) |
| External synchronization | VBS or HD and VD |
| White balance | Manual, push to set, auto tracing |
| Electronic shutter settings | 9 step manual to 1/10,000 second Auto shutter to 1/50,000 second |
| Sensitivity/AGC switching | Manual gain, 1dB increments to + 18dB AGC maximum selectable from 0 to + 18dB |
| Operating temperature | 0°C to + 40°C |
| Operating humidity | 30% to 90% |
| Operating accessories | Power supply ACM 412 3 meter cable: EXC-T403 6 meter cable: EXC-T406 |
| Dimensions | Head: 32mm (W) x 40mm (H) x 40mm (D) CCU: 110 mm (W) x 40mm (H) x 155mm (D) |
| Weight | Head: 60g CCU: 67g |
| Power source | 12 VDC \pm 10% (mating connector: HIROSE HR10A-7P-4S) |
| Power consumption | 7.4 watts |

Designs and specifications are subject to change without notice.

For more information on this product, please contact
Toshiba America Information Systems Inc., [Imaging Systems Division](#).

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