1/2" CCD Computer Imaging Color Video Camera

TK-1270U

- 1/2" CCD delivering 470 lines of horizontal resolution
- Two video outputs (RGB/composite video signals)
- High S/N ratio of 50dB
- Through-the-lens auto tracking white balance
- Changeable C/CS lens mount allows selection from a wide range of lenses

Signal system: Based on NTSC standard
Image device: 1/2" single CCD
Pickup element: IT (Interline-Transfer) system CCD solid-state image sensor (with complementary color filter: Ye-Cy-Mg-Gr)
Effective picture elements: 768 (H) × 494 (V)
Scanning lines: 525 lines, 2:1 interlaced
Scanning frequency: 15.734 kHz (H) × 59.94 Hz (V)
Sync system: Internal, External (VBS or BB)
Sync input: Composite video signal (VBS)/1.0 V(p-p), 75 ohms terminated (or black burst signal (BB))
Video output: Composite video signal: 1.0 V(p-p), 75 ohms, unbalanced RGB video signal: 0.7 V(p-p), 75 ohms
Sync output: Composite sync signal: 2.0 V(p-p), 75 ohms (negative)
Video S/N: 50 dB (2000 lux, AGC "OFF")
Horizontal resolution: 470 TV lines (composite/RGB)
Minimum required illumination: 3 lux (0.1 lux, AGC "ON")
Electronic shutter: NORMAL (1/80, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec., or electronic shutter iris mode
Preset indoor: 3200°K
Lens mount: C mount (with C-mount adapter)
AGC: On and OFF (0 ~ +18 dB)
Power requirements: DC 12 V (±10%) Power consumption (max.): 7.6 W
Operating temperature: 0°C ~ +40°C (32°F ~ 104°F)
Weight: Approx. 600g (1.3 lbs.)

For optional accessories and for 9 pin cable, see page 44

All model numbers, specifications and prices are subject to change without notice.