

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



43

Shown with optional lens

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



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 The TK-1270U has no Y/C output.
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 (f/1.2, AGC "ON")
Electronic shutter:	NORMAL (1/60), 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec., or electronic shutter iris mode
White balance:	TTL Auto: 2850°K ~ 7000°K Manual adjustment: 2850°K ~ 7000°K under 2 peculiar axes systems, G-Mg, R-B Preset indoor: 3200°K
Lens mount:	C mount (with C-mount adapter) CS mount (without 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. 600 g (1.3 lbs.)