

# 1/2" CCD Computer Imaging Colour Video Camera

## TK-1270E

46

- 1/2" CCD delivering 460 lines of horizontal resolution
- Two video outputs (RGB/composite video signals)
- High S/N ratio of 50 dB
- Through-the-lens auto tracking white balance
- Changeable C/CS lens mount allows selection from a wide range of lenses



Shown with optional lens



Signal system:	Based on PAL standard
Image device:	1/2" single CCD
Pickup element:	IT (Interline-Transfer) system CCD solid-state image sensor (with complementary colour filter: Yc-Cy-Mg-Gr)
Effective picture elements:	752 (H) × 582 (V)
Scanning lines:	625 lines, 2:1 interlaced
Scanning frequency:	15.625 kHz (H) × 50Hz (V)
Sync system:	Internal, External
Sync input:	Composite video signal (VBS)/1.0V(p-p), 75 ohms terminated (or black burst signal (BB))
Video output:	Composite video signal: 1.0V(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:	460 TV lines (composite/RGB)
Minimum required illumination:	3 lux (f/1.2, AGC "ON")
Electronic shutter:	NORMAL (1/50), 1/120, 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 requirement:	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.)

## Common Accessories



**VC-451-2U  
Camera Cable**  
Connecting between:  
Cameras and RGB Monitor  
Cable length: 6.6 ft (2 m)



**VC-452-2U  
VC-452-4U  
Camera Cable**  
Connecting between:  
Cameras and Graphic Boards  
Cable length:  
6.6 ft (2 m) for VC-452-2U  
13.2 ft (4 m) for VC-452-4U



**VC-463-2U  
Camera Cable**  
Connecting between:  
Cameras and Graphic Boards  
Cable length: 6.6 ft (2 m)



**VC-464-4U  
Camera Cable**  
Connecting between  
Cameras and Targa +  
Cable length: 13.2 ft (4 m)



**AA-P700E  
AC Power Adapter**