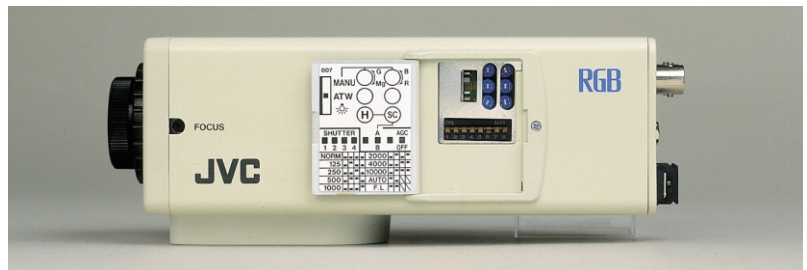


Color Video Camera for Computer Imaging Applications



FEATURES

- 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



ARCHITECTS' AND ENGINEERS' BID SPECIFICATION

The color IT CCD camera shall be JVC Model TK-1270U or equivalent. The TK-1270U camera shall incorporate a 1/2" interline transfer CCD for reducing smear, 380,000 [768(H) x 494(V)] effective pixels, achieve a lower smear and high sensitivity of 3 lx at f/1.2. The camera shall display outstanding 470 lines of horizontal resolution and a S/N ratio of 50dB. The TK-1270U camera shall feature a built-in digital motion detector within the compact body. The camera shall also feature intelligent digital back light compensation with masking and electronic sensitivity-up for real surveillance purposes under severe conditions. Both the digital motion detector and the back light compensation features shall utilize a 48 segment mask with an 8-position sensitivity level adjust. For better picture quality, the camera shall feature selectable DC/video for ALC lens, digital 2H enhancer, smear level of -120 and digital white detective ATW. The camera shall be C/CS-mount selectable. The TK-1270U shall offer user-friendly on-screen set-up and adjustment of camera ID, ELC plus many other features. A special menu shall allow fine adjustment of chrominance, pedestal and aperture level. The TK-1270U shall provide a variety of synchronization modes. They shall provide color genlock to help ensure optimum performance with image processors and screen splitters. They shall also feature VD2 lock over a single coaxial cable when used with the Matrix Systems and/or data multiplexing unit. Line lock shall provide roll-free picture switching. The power source for the TK-1270U shall be 12V DC. All units must be UL listed.

Specifications

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) x 494 (V)
Scanning lines	525 lines, 2:1 interlaced
Scanning frequency	15.734kHz (H) x 59.94Hz (V)
Sync system	Internal, External (VBS or BB)
Sync input	Composite video signal (VBS)/1.0V(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 video signal: 2.0 V(p-p), 75 ohms (negative)
Video S/N	50 dB (AGC "OFF")
Horizontal resolution	470 TV lines (composite/RGB)
Minimum required illumination	3 lx (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 Present indoor: 3200°K
Lens mount	C mount (with C-mount adapter) CS mount (without C-mount adapter)
AGC	On and OFF (0 ±18dB)
Power requirement	DC 12V (±10%)
Power consumption (max.)	7.6W
Operating temperature	32°F - 104°F (0°C - +40°C)
Weight	Approx. 1.3lbs. (600g)

Dimensions

