

1/2" CCD Multi-Purpose Color Camera



FEATURES

- 1/2-inch Interline Transfer (IT) CCD
- Digital Signal Processor (DSP)
- Full genlock
- Contour correction
- ID capability
- Three-dimensional Detect ATW
- Wide-range Automatic Electronic Shutter
- Y/C Output Connectors
- Easy Menu-driven Parameter Setting
- High-light inverter function
- Backlight Compensation
- C/CS Mount
- AC/DC Power Supply

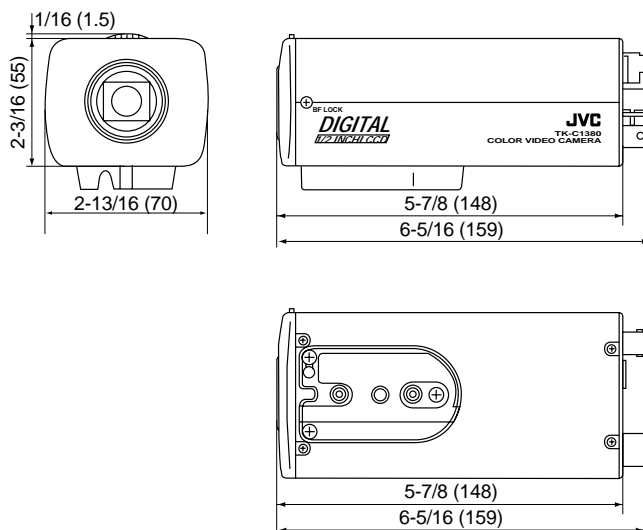
ARCHITECTS' AND ENGINEERS' BID SPECIFICATION

The digital signal processing (DSP) color IT CCD camera shall be JVC Model TK-C1380U or equivalent. The TK-C1380U 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 0.95 lx at f/1.2. The camera shall display outstanding 470 lines of horizontal resolution and a S/N ratio of 48dB. The TK-C1380U 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-C1380U 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-C1380U 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-C1380U shall be 24V AC, 50/60Hz or 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)
Video process circuit	Built-in DSP (9 bits)
Sync system	Internal, External (Full genlock), Line lock
Sync input	BB or VBS (BNC)
Video output	VBS (BNC), Y/C (S terminal, 4-pin)
Video S/N	48 dB
Horizontal resolution	470 TV lines
Minimum required illumination	0.95 lx (F1.2)
Electronic shutter	Normal, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec., or automatic electronic shutter iris mode
Automatic electronic shutter	1/60 — 1/100000 sec.
White balance	3 dimension detect ATW, Manual (Biaxial)
BLC	ON/OFF, multi-data detect BLC (6 patterns)
Lens mount	C/CS mount
AGC	OFF 9 dB/ 18dB / super AGC
Special set-up menu	CONTOUR level, ENHANCE level, PED level, HUE and IRIS level
Power requirement	AC 24 V (50/60Hz), DC 12 V
Power consumption	5.6 W at AC 24 V 5.6 W at DC 12 V
Operating temperature range	-10°C to 50°C (14°F to 122°F)
Weight	640g

Dimensions



Option

AA-P700U AC adapter

