VCC-5774 Architect & Engineer Specification

Bid Spec

1.0 Description

The color video camera described shall be a Sanyo Model number VCC-5774 or equivalent. The Camera described shall be an industrial grade, high sensitivity, high-resolution color video camera with digital signal processing.

2.0 Bid Specifications

The color video camera shall incorporate an interline transfer method 1/3" charge coupled device (CCD) with approx. 410,000 picture elements (816Hx494V, 771Hx492V effective). The color video camera shall produce a picture with more than 480 lines of resolution and have a minimum incandescent light requirement of 1.4 Lux at F1.2. The video camera shall have a video signal to noise ratio of more than 48dB. The video output level shall be 1.0Vp-p (75 ohms, composite) with a BNC type connection.

The camera shall be C-mount and CS-mount selectable with a C mount adapter (included). The camera shall accept (1/4"-20UNC) mounting stud, top and bottom selectable, for universal mounting. . The video camera shall have an auto iris connector on the side of the camera body to permit connection of DC: iris control coil only type lenses (galvanometric iris without amplifier).

The video camera shall have an available Backlight compensation circuit , white balance shall be ATW only, Auto Gain Control, Electronic Iris/Auto Iris and Flange back adjustment. The camera shall have both internal, line lock; internal L-L sync capabilities and Line Lock Phase.

The camera shall not exceed a dimension of 2.5" x 2.7 "x 2.0" (63mm x 68mm x 51mm) and weigh no more than 5.6 ounces (160 grams), w/o lens mount and camera mount. Power requirements for the video camera shall be selectable: 24VAC, 60Hz/ 12VDC and shall consume approx. 3.2W (with Auto Iris lens) The video camera shall be constructed of a durable polycarbonate plastic and shall be magnetic and electro statically shielded. The camera shall feature solid-state components to resist shock and vibration. The video camera shall be ISO9001 certified and UL listed.

3.0 Minimum Performance Specifications

Specifications	
MODEL	VCC-5774
Scanning system	NTSC Standard: 525 lines 30 frames/sec.
Image device	Interline transfer method CCD
Image size	1/3" (Approx. 4.8mm x 3.6mm)
Picture element	816(H)x 494(V):All picture elements 771(H)x 492(V):Effective picture elements
Geometry	No Geometric Distortion
Synchronizing System	Internal/Line Lock
Interlace	PLL 2:1 Interlace
Resolution	Horizontal: 480 TV Lines Vertical: 350 TV Lines
Video Output Level	1.0 Vp-p (75 Ohms, Composite)
Video S/N Level	More than 48db
Minimum Illumination	1.4 Lux @ f1.2 (incandescent lighting)
Gamma Correction	0.45
Gain Control (ACG)	Automatic
White Balance	ATW only
Backlight Compensation	ON condition only
Lens Mount	CS/C mount (C-mount adapter included)
Flange Back Adjustment	12.5mm ± 0.5mm
Camera Mount	¼" x 20 UNC (Top / Bottom selectable)
Controls	Electronic Iris / Auto Iris: EI SW (side) Internal/Line Lock; Sync: Int/L-L, SW (side) Line Lock Phase: VR (side)
Sockets	Video: Video Out, BNC (rear) Auto Iris Lens: Lens Out, 4-pin (side) Power Supply: 24V AC / 12V DC. 3-pin Push Terminal (rear)
Electronic Iris	ON/OFF, 1/60 to 1/100,000 second
Environmental Conditions	Operating Temperature: 14° to 122°F (-10°C to 50°C) Humidity: Within 90% RH Storage Temperature: -4°F to 158°F (-20°C to 70°C) Humidity: Within 70% RH
Power Requirements	24V AC / 12V DC, 60Hz
Power Consumption	3.2 Watts
Dimensions (WxHxD)	2.5" x 2.7" x 2.0" (63mm x68mm x51mm), w/out lens or mount
Weight	5.6 Ounces (160 grams)