VCB-3574IR   *Architect & Engineer Specification*

Bid Spec

1.0 Description

The black and white video camera described shall be a Sanyo Model number VCB-3574IR or equivalent. The Camera described shall be an industrial grade, high sensitivity, high resolution, black and white video camera.

2.0 Bid Specifications

The black and white video camera shall incorporate an interline transfer method 1/2" charge coupled device (CCD) with approx. 410,000 picture elements (811Hx508V, 768Hx494V effective). The video camera shall produce a picture with more than 570 lines of horizontal resolution, 350 lines vertical. The video camera shall have a minimum light requirement of 0.02 lux with F1.2 lens The video camera shall have a video signal to noise ratio of more than 50dB. The video output level shall be 1.0Vp-p (75 ohms, composite) with a BNC type connection.

The video camera shall have an infrared lighting response up to 1050 Nanometers, thus allowing the camera to produce a picture where no visible light is available.

The video camera shall have user selectable Backlight compensation and external sync capabilities

The video camera shall be C-mount and CS-mount selectable with a C mount adapter (included). The camera shall include (1) mounting bracket (1/4"-20UNC) which can be mounted either on the top or the bottom of the camera. 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) and VIDEO: DC power and video signal supply auto-iris type lenses (with amplifier) type lenses. The video camera shall have a flange back adjustment.

The video camera shall not exceed a dimension of 2.2" x 1.77"x 3.92" (56x45x99.5mm) and weigh no more than 330 grams. (w/o lens mount and camera mount) Power requirements for the video camera shall be 24V AC, 60hz and shall consume approx. 3.1W (w/o Auto Iris lens). The video camera shall be constructed of a durable metal cabinet and shall be magnetic and electrostatically 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	VCB-3574IR
Scanning system	EIA Standard: 525 lines 30 frames/sec.
Image device	Interline transfer method CCD
Image size	1/2" (Approx. 6.4mm x 4.8mm)
Picture element	811(H)x508(V):All picture elements 768(H)x494(V):Effective picture elements
Synchronizing system	External sync/Line Lock: Auto Switching
Resolution	Horizontal: 570 TV Lines Color Vertical: 350 TV Lines
Video S/N ratio	More than 50dB
Video Output Level	1Vp-p/75 ohm, Composite
Minimum Illumination	0.02 lux at F1.2
Backlight compensation	Manual ON/OFF switching, Center Zone light measuring system (Active when using auto-iris lens)
Gamma Correction	Y=0.45 Fixed
Lens mount	CS mount (C mount: Using C-mount adapter supplied)
Flange back adjustment	12.5mm ±0.8mm adjustment
Camera mount	¼" – 20 UNC x 2 (Top/Bottom)
Electronic Iris Range	0.02 lux to 10,000 lux (F1.2 lens) 0.03 lux to 15,000 lux (F1.4 lens)
Environmental Conditions	Temperature: -10°C to 50°C (14°F to 122°F) Humidity: Within 90% relative humidity
Power Requirement	24V AC (±4V), 60Hz
Power Indicator	LED
Size (WxHxD)	56x45x99.5mm (2.2"x1.77"x3.92") (w/o lens mount and camera mount)
Weight (without lens)	Approx. 330g

Note: All non-metric measurements are approximate.

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