

Description

The color video camera described shall be a Sanyo Model number VCC-9400 or equivalent. The Camera described shall be an industrial grade, high sensitivity, 520TVL high-resolution color Dome-shaped camera and dual modes of color and black/white camera with digital signal processing.

Bid Specifications

The camera shall incorporate an interline transfer method 1/4" charge coupled device (CCD) with approx. 410,000 picture elements (811Hx508V, 768Hx494V effective). The camera shall produce a picture with more than 520 lines of resolution and have a minimum light requirement of 1.2 lux with F1.6 lens (50 IRE) or approx. The camera shall have a video signal to noise ratio of more than 52dB. The video output level shall be 1.0Vp-p (75 ohms, composite) with a BNC type connection. The camera shall have come with **360° endless panning and 180° tilt function.**: When operated manually through the arrow keys, the camera will pan and tilt at variable speed while setting the sight of the desired location. When a preset position is input on the keypad or when an alarm signal is received, the camera will move horizontal direction and vertical direction. The camera shall have **x352 zoom function** by the combination of x22 zoom optical zoom and x16 electronic zoom. The camera shall have up to **64 positions** (determined by the values for pan, tilt, zoom, and focus) preset positions, and can be registered for the camera. The camera shall have **programmed 64 preset positions** sequential display function, and also available is Auto-pan watch, a sweeping motion between two preset positions on the same horizontal line. The Tour mode, that is capable of storing up to 30 or 60 seconds of manual pan/ tilt and zoom operations in memory, is available. The camera shall come with **8 alarm inputs**. An alarm signal will set the camera to automatically focus on the preset location corresponding to the alarm. The color video camera (up to **128 units**) shall have controlled via RS485 (SSP protocol) with either way of the coaxial operation or the twisted pair operation. The camera shall not exceed a dimension of ϕ 135x223.1(H) mm and weigh no more than 2.5 kg. Power requirements for the camera shall be 24V AC, 60Hz and shall consume approx. 15W. The camera shall feature solid-state components to resist shock and vibration. The video camera shall be ISO9001 certified.

1.0 Minimum Performance Specifications

Specifications	
MODEL	VCC-9400
Scanning system	NTSC Standard: 525 lines, 60 frames/sec.
Image device	Interline transfer method CCD
Image size	1/4" (Approx. 3.6mm x 2.7mm)
Picture element	811(H)x508(V):All picture elements. 768(H)x494(V):Effective picture elements
Geometry	No Geometric Distortion
Synchronizing system	Internal sync/Line Lock sync switch able
Resolution	Horizontal: 520 TV lines. Vertical: 400 TV lines
Video output level	1.0Vp-p(75Ω, composite)
Video S/N ratio	More than 52dB
Minimum Illumination	High: Approx. 1.2 lux at F1.6, 50 IRE
Electronic Shutter	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 Slow (LONG) mode: 2X, 4X, 8X, 16X, 32X
White Balance	ATW/AWC/MWB
Backlight compensation	Multi-zone photometry / 8-zone photometry / Multi-zone masking
Zoom	Optical: x22, Electronic: x16
Rotation angle	Horizontally 360° endless, vertically +0 to -180° (Digital auto flip function activated)
Rotation Speed	Horizontally: Manual: approx.0.5° /sec (telephoto) to approx.120° /sec (wide angle) Preset: 360° /sec Auto pan: approx.9° /sec Vertically: Manual: approx.0.5° / sec(telephoto) to approx.120° /sec (wide angle) Preset:360° /sec
Preset Position	64
Lens Functions	Focus length: f=3.6 to 79.2 (mm) (x22 zoom) Aperture ratio: F=1:1.6(wide angle) to 1:3.8(telephoto)
Communication method	RS485, coaxial or twisted pair
Communication speed	2400,4800,9600,19200bps (band rate)
Address Setting	1~127
Sockets	Video Signal: VIDEO OUT BNC SSP: Camera control connector (5pin)-----Alarm input: Alarm input connector (10pin) Alarm output: Alarm output connector (5pin) ---Power Supply:24V AC 60Hz, 2 pin code
Environmental Conditions	Temperature: -10°C to 50°C (14°F to 122°F) Humidity: Within 35% to 90% relative humidity
Size (WxHxD)	ϕ 135x223.1mm
Weight	2.5kg