

Bid Spec

1.0 Description

The colour video camera described shall be a Sanyo Model number VCC-XZ200P or equivalent. The Camera described shall be an industrial grade, high sensitivity, 520TVL high-resolution, dual mode, colour and black and white, all-in-one package with x2.6 motorized zoom pan-focus lens, weatherproof housing, wall-mount fitting and even a shade.

2.0 Bid Specifications

The camera shall incorporate an interline transfer method 1/4" charge coupled device (CCD) with approx. 470,000 picture elements (795Hx596V, 752Hx582V effective). The camera shall produce a picture with more than 520 lines of resolution and have a minimum light requirement of 1.2 lx at F1.9 in colour mode, or 0.06lx at F1.9 in black and white mode. The camera shall have the ability to select the switchover point from 2 steps, and the switchover point could be set easily by OSD MENU.

The 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 camera shall have a **built-in x2.6 motorized zoom pan-focus lens**: F=1.9 to 3.0 (f=2.8 to 7.3mm).

The camera shall have the Digital Motion Detector. The intelligent digital motion detector enables reliable and the accurate motion detection by analyzing the "magnitude of movement" and the "size of object" and other factors from changes in picture brightness. When a moving object is detected, the VCC-XZ200P can send an alarm signal only with optional board, VA-20SP or VA-20LAN and/or switch to zoom modes of 1.0x, 1.4x, 2.0x and 2.6x. Scene elements such as swaying trees and flickering lights, etc., can also be masked to prevent triggering of false alarms.

The camera shall have up to 4 privacy masking capability. When there is a house or even an object as small as a window within the camera frame, it is possible to mask the area so that it will not appear on the monitor screen to protect other people's privacy. Up to 4 rectangular masks of arbitrary size can be set. Such masks may be protected with passwords (maximum four digits).

The camera shall not exceed a dimension of 141x181.9x379.6 (WxHxD) mm and weigh no more than 1.6kg (without sunshade), 1.8kg (with sunshade). Power requirements for the camera shall be either of 24V AC, 50Hz or 12-15V DC and shall consume approx. 3.5W without options.

The camera shall feature solid state components to resist shock and vibration. The video camera shall be ISO9001 certified and CE listed.

3.0 Minimum Performance Specifications

Specifications	
MODEL	VCC-XZ200P
Scanning system	PAL Standard: 625 lines, 50 fields/sec.
Image device	Interline transfer method CCD
Image size	1/4" (Approx. 3.6mm x 2.7mm)
Picture element	795(H)x596(V):All picture elements 752(H)x582(V):Effective picture elements
Geometry	No Geometric Distortion
Synchronizing system	Internal sync/Line Lock sync switchable
Resolution	Horizontal: 520 TV lines Vertical: 400 TV lines
Video output level	1.0Vp-p(75Ω, composite)
Video S/N ratio	More than 50dB

Minimum illumination	Colour Mode: 1.2 lx (F1.9) at max. AGC gain [50 IRE] 0.48 lx (F1.9) at max. AGC gain [20 IRE] B/W Mode : 0.06 lx (F1.9) at max. AGC gain, [50 IRE] 0.024 lx (F1.9) at max. AGC gain, [20 IRE]
Electronic shutter	Fast shutter speed dome: 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
Day/Night	AUTO / COLOUR / B/W
White balance	ATW/AWC/MWB/Outdoor(3200)/Indoor(5600)/ Fluorescent(FLUO)
Gain control	High/Normal/Off
Backlight compensation	On(Multi-spot photometry[High/Normal], Center-zone photometry)/ OFF
Zoom	X2.6 motorized pan-focus lens (f=2.8 to 7,3 mm)
Motion detector	ON / OFF: Motion zoom function
Privacy masking	ON / OFF, 4 masks per screen max., password securable
Mirror image effect	Horizontally (H),Vertically(V), Horizontally and Vertically(HV)
Gamma correction	$\gamma = 0.45 / 1$
Lens functions	Focus length: f=2.8 to 7.3 (mm) (x2.6 zoom) F=1.9 to 3.0
Cables and connectors	Video Signal : VIDEO OUT BNC Alarm input, Day/Night, TELE, WIDE and COMMON : 5 lead wires Power Supply:24V AC , 50Hz or12-15V DC GND 3-pin connector
Environmental conditions	Temperature: -20°C to 50°C (-4°F to 122°F) (with power source connected) Humidity: Within 90% relative humidity
Power Requirement	12V-15V DC , 24V AC +/- 10%, 50Hz
Power Consumption	3,5W(without options), 6.0W(with options) 13.0W(with heater)
Size (WxHxD)	141x181.9x379.6mm
Weight	1.6 kg (without sunshade) 1.8 kg (with sunshade)