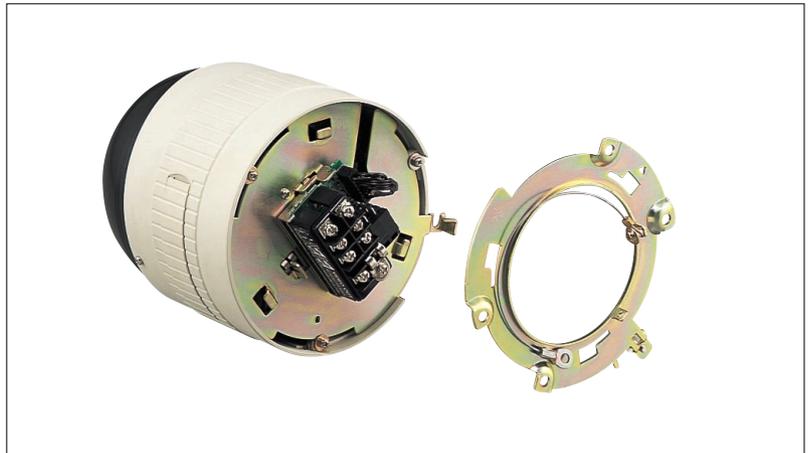


Active Movement Color Camera



FEATURES

- 1/4" IT CCD 380,000 Pixels
- Fixed Lens (f=2.2 mm)
- Sensitivity: 4 lx with Cover
1.5 lx without Cover
- Direct Drive Motor for Pan and Tilt
- Maximum Panning and Tilting Speed:
120 Degrees/sec.
- The Range of Panning and Tilting:
Total 60 Degrees with Coverage Over an Angle of
145 Degrees (Pan) and 125 Degrees (Tilt)
- 16 Preset Positions
- Built-in Menu
- 2x Electronic Zoom
- Auto Patrol Mode
- Programmable Backlight Compensation
- Panic Alarm
- Control Signals: RS-232C, RS-422A or RS-485
- Compact, Durable Design

ARCHITECTS' AND ENGINEERS' BID SPECIFICATION

The unitized camera/dome assembly shall be a self-contained unit that incorporates an integral color camera, pan and tilt motor, zoom lens and receiver/driver. The unitized surveillance device shall be a JVC Model TK-AM200U or equivalent.

The camera shall have a diameter of 4-3/8". The camera shall feature an advanced 1/4" CCD with a built-in complimentary color filter and 768(H) x 494(V) pixels with microlens on each pixel. The camera shall be equipped to produce a high quality picture with a horizontal resolution of over 470 lines with a minimum illumination of 4 lx. The camera shall feature horizontal noiseless aperture correction, vertical 2H enhancer, highlight aperture and knee circuit for wide video dynamic range. The camera shall be equipped with an auto back light compensation mode as part of the light control function. The automatic backlight compensation shall feature mask setting and level adjust capability. The camera shall be equipped with a built-in digital motion detector with mask setting and level adjustment as well. The camera shall also be equipped with an electronic sensitivity up feature to enhance camera performance in extreme low light conditions. The camera shall feature auto tracing white balance capability with a 48 section mask and level adjustment capability for accurate color reproduction. The unitized surveillance device shall feature an electronic shutter adjustable from 1/100 to 1/10,000 seconds. The camera shall feature an alphanumeric title of 16 characters.

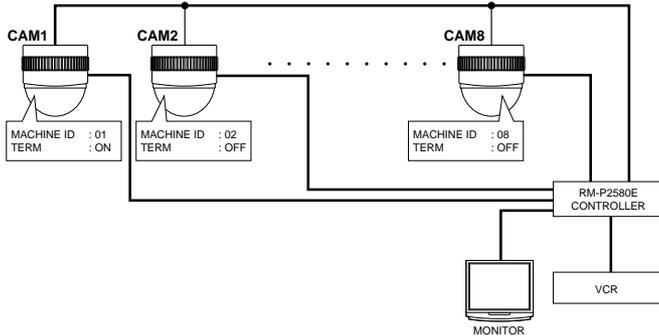
The unit shall incorporate a 2X electronic fixed lens. The fixed lens shall have an auto iris and auto focus feature that shall allow manual override if the need arises. The minimum aperture throughout this range shall vary from a minimum of f/1.7 at the wide angle setting to f/2.2 at the telephoto lens position.

The camera synchronization shall be internal, line-lock and VD (vertical drive) lock over a single coaxial cable when used with optional Matrix System 500. The camera shall be enclosed in an aluminum diecast housing and UL listed.

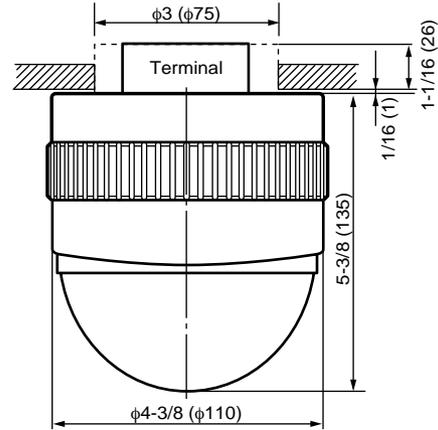
The pan and tilt motor shall be a high-speed unit allowing 60° rotation with a tilt angle of 60°. The pan and tilt shall allow for preset sort and sequence rotation speed of 120° per second. The unitized surveillance device shall feature a minimum of 16 preset positions that shall be programmable via the matrix switching system. The camera shall automatically sequence through the preset positions in logical programming order (sequence mode) or actual position (sort mode). The camera shall include 10 programmable scene files, each of which may assign a combination of special camera settings such as built-in digital motion detector and electronic sensitivity up. Any scene file shall be able to be assigned to a camera preset position for optimum camera performance in difficult lighting conditions. The pan and tilt section shall feature automatic panning mode. The automatic panning limits and speed adjustment shall be selectable from an on-screen menu and not with mechanical or physical limit stops. The dome assembly shall come pre-wired from the factory.

Video signal, synchronization and control data shall be transmitted up to 3000' over (Belden 9259 or equivalent) a single coaxial cable for easy installation. Equivalent coaxial cable used shall feature a DC resistance rating of less than 15 ohm/1000', solid copper center conductor and 95% braided, pure copper shield. The power source shall be 24VAC, 60Hz.

System



Dimensions



Specifications

■ **CAMERA**

Signal system	NTSC
Image device	1/4" IT CCD
Effective picture element	NTSC: 380,000 pixels, 768 (H) x 494 (V)
Sync system	Line lock/Internal
Video S/N	50 dB (typical)
Horizontal resolution	470 TV lines (typical)
Minimum illumination	4 lx (Full wide angle, AGC 20 dB, Y: 25% with cover)
Camera ID	16 characters
White balance	ATW/MANUAL/AWC
BLC	Available by adjustment of light metering area position

■ **LENS**

Focal length	f = 2.2 mm
Max. aperture ratio	F1.0

■ **MOVING MECHANISM**

Panning	$\pm 30^\circ$ from original axis
Panning speed	2°/s, 4°/s, 6°/s, 12°/s, 20°/s, 40°/s, 60°/s, 80°/s (in manual mode) 4°/s (AUTO PAN mode) 120°/s (Preset maximum)
Tilting	0° to 60° (from down to horizontal direction)
Tilting speed	2°/s, 4°/s, 6°/s, 12°/s, 20°/s, 40°/s, 60°/s, 80°/s (in manual mode) 120°/s (Preset maximum)

■ **GENERAL**

Remote control input	RS-232C, RS-422A or RS-485
Power requirement	AC 24 V, 50/60 Hz
Power consumption	570 mA
Operating temperature range	14°F to 122°F / -10°C to +50°C (recommendation: 32°F to 104°F / 0°C to +40°C)
Dimensions	Approx. $\phi 4\text{-}3/8$ x $5\text{-}3/8$ inches
Weight	Approx. 1.8 lbs/0.8 kg with ceiling mount