

EMX Series 5000C Thermal Camera



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VENDOR DESCRIPTION

The EMX Series 5000C Infrared Thermal Camera Pan/Tilt Assembly is intended for law enforcement, security and search/rescue operations. The pan/tilt system operates from +12 VDC and comes supplied with pan/tilt, joystick, electronics box, LCD display and cable set. It also contains a 1/3" color CCD camera with 25mm lens. Other LCD or CRT monitors and configurations are available.

Features include an uncooled BST ferroelectric Raytheon thermal IR sensor (160 x 120 pixels), spectral response 7-14 microns; 75 mm, f/1.0 lens, electric focus standard on thermal imager; range to detect a person – nominally 1500 ft; joystick controlled pan 360°, continuous tilt – 16°/+40°; VIDEO OUT for remote monitor or VCR; 6.4-inch LCD color monitor with switched inputs for thermal camera or color CCD camera.



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Business Category: Small Business

EOIR

Thermal Imager		CCD Color Camera
Optics	Performance	
Aperture: f/1.0	Detection Range: Man-size target at 1500 ft. (depending on object size and contrast)	Camera Type: 1/3" color CCD camera with 25mm lens
Field of View: 12° x 9°	Warmup: 90 seconds (max) 30 seconds (typical)	Active Pixels: 510H x 492V
Focus: 25 ft to infinity	Video	Resolution: 330 horizontal TV lines
Electrical	Contrast/Brightness Control: Automatic	
Operating Voltage: +9 to +16 VDC	Infrared Polarity: White-hot	
Environmental	Video Output: EIA RS-170	
Operating Temp: -40°C to +55°C		

Pan/Tilt	
Mechanical	Detector
Pan: 360° Azimuth	Type: Hybrid ferroelectric staring FPA
Tilt: -16° to +40° from horiz.	Sensing Approach: Pyroelectric and dielectric effects
Size: 11" W x 9" H x 9" D	Sensor Material: Barium Strontium Titanate (BST)
Weight: <10 lbs.	Spectral Range: 7-14 microns
Controls	Resolution: 160 x 120 pixels
Joystick Controller: Up/Down/Left/Right Power On/Off	Pitch: 50 microns
	Temp. Stabilization: Thermoelectric Cooler
	Window Type: Silicon