

## FEATURES

- Uncooled (BST) 320 x 240 Ferroelectric Thermal-Eye, Spectral Response 7-14 microns. **NEW!**
- Rugged, weather resistant Pan/Tilt housing.
- 24-Degree, f/1.0 lens, with 2:1 Digital Zoom. **NEW!**
- Black-Hot/White-Hot Polarity Switch. **NEW!**
- Range to detect a person—nominally 1500 ft.
- Joystick controlled—360 degrees continuous pan, -20 degrees/+180 degrees tilt.
- VIDEO OUT for remote monitor VCR.
- Optional RS-232/RS-485 Control **NEW!**
- Several Optional Monitors available. **NEW!**
- Operating Temperature -40°C to 55°C



EMX 6000 Series Thermal Imaging System  
(Shown with Optional Monitor)



Vehicle Roof Mount



Shown with Optional HUMMV  
Windshield Mount

Featuring 320 x 240 BST detector technology from L3. Offers the user a clear, crisp image. People, vehicles, boats and other objects easily stand out in total darkness from their surroundings, making it easy to spot potential criminal activity in seconds. The camera can detect human activity up to 1500 feet and is NTSC compatible.

The EMX 6000 Series Thermal Camera is a vehicle-mounted thermal imaging camera system intended for law enforcement, security, and search/rescue operations. This rugged thermal imaging camera is easily roof-mounted on any vehicle and offers 360° azimuth control.

Also available is the SQ (Slew-to-cue) version. This latest upgrade to the versatile and inexpensive pan/tilt thermal camera system offers a dramatic increase in features in response to market demand. SQ added features include remote turn-on/off, variable speed pan/tilt, pan position feedback, automatic open/close 'eyelid', 'Slew-To-Cue' operation with selected radars, and can operate from a serial device (i.e. laptop, radar).



# EMX 6000 Series Specifications

Model Number		64500-6	64500-6C	65400-6CSQ	64500-W	64500-6CW	64500-6CSQW
Focal Plane Array	Type & Material	Uncooled Ferroelectric, Barium Strontium Titanate (BST)					
	Resolution	320 x 240					
	Spectral Response	7 – 14 microns					
	Temperature Stability	Thermoelectric Cooler					
	Window Type	Silicon					
	Pitch	30 microns					
Thermal Imaging Performance	Start-Up Time	~ 45 seconds					
	Contrast/Brightness	Automatic					
	Detection Range	Man-sized target at 1500 ft. (depending on object size and contrast)					
Optics	Minimum Focus Dist.	~ 25 ft. (8m)					
	Focus Method	Automatic					
	Field of View	24° (12° with 2:1 Digital Zoom)					
	Aperture	f/1.0					
Video	Output Format	NTSC Compatible			NTSC Compatible		
	IR Polarity	White Hot – Black Hot—Selectable					
Power	Input Voltage	9.5 to 16 VDC					
Environmental	Operating Temperature	-40°C to 55°C					
	Water Resistance	Carwash spray, (Not Submersible)			IEC level IPX6 (Not Submersible)		
	Pan & Tilt Function	Pan/Joystick Controller, 360° continuous Tilt/Joystick Controlled -20° to +180°			Pan/Joystick Controller, 360° continuous Tilt/Joystick Controlled -20° to +180°		
		Additional control via RS-422/485 serial data connectivity			Additional control via RS-422/485 serial data connectivity		
	Azimuth Speed	36 degrees per second (max)					
Variable/Proportional			Variable/Proportional				
Color CCD Camera	Image Device	1/3" Color CCD Camera			1/3" Color CCD Camera		
	Active Pixels	510H x 492V			510H x 492V		
	Sync System	Internal Sync			Internal Sync		
	Horizontal Resolution	330 Horizontal TV lines			330 Horizontal TV lines		
	Video Output Format	NTSC Compatible			NTSC or PAL Compatible		

## OPTIONS & ACCESSORIES

Option	Description
White	Painted white with marine grade polyurethane enamel. (Available on Models 64500-6W, -6CW, -6CSQW)
Roof Rack	Vehicle Roof Rack, includes bar (no hole) and vehicle strap kit. Vehicle year, make and model required for ordering.
Pole Mount Plate	Adapter plate for mounting EMX 6000 Series on a 2 3/8" pipe.
HUMMV Windshield Mount	Adapter plate for mounting EMX 6000 Series on a HUMMV with a Machine Gun Tub.
LCD Monitors	Both waterproof and non-waterproof LCD Monitors available. Call for model size and pricing.

### Specifications Subject to Change Without Notice – Mar. 20, 2006

EMX, Inc. products may be subject to U.S. Government Export Restrictions and require an End User Certificate and an Export License if sold or taken outside of the United States

