

FEATURES

- Uncooled 320X240 Detector
- Spectral Response 7-14 microns.
- 12° and 25° lens options available.
- IP67 Rated, Dry Nitrogen Pressurized Environmental Enclosures.
- IP66 Rated Pan/Tilt with Rugged, Aluminum Alloy.
- 435° Azimuth Rotation with proportional control.
- 36X Zoom Color CCD Camera



EMX 950 Series

EMX 950 Series Thermal Imaging Camera System



Armored Personnel Vehicles



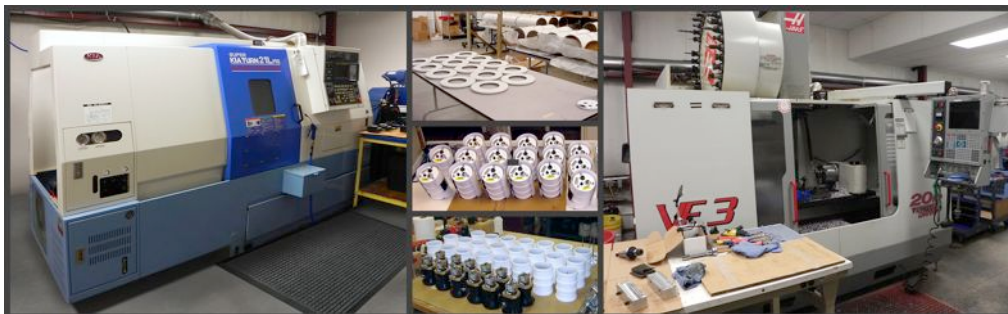
Maritime Surveillance

The **EMX 950 Series** is a day/night thermal camera system designed for both fix-mounted and mobile platforms. Fully maritized, this rugged IP-67 rated environmentally sealed camera system comes complete with a rugged pan/tilt positioner, field replaceable IR and color CCD camera housings, 7" monitor, joystick controller, electronics box and cabling.

Available in both 12° and 25° lens configurations, the 950 Series provides the operator with superior nighttime performance over land or water. For daytime operations, the 950 Series provides the user with a high performance color CCD camera with 36X optical zoom.

950 Series can be controlled via IP, wireless, fiber optic, or traditional cable. Uses include: coastal/harbor protection, navigational aid for commercial watercraft, surveillance/search rescue applications for law enforcement and military vehicles, day/night perimeter surveillance of military installations, prisons, nuclear, chemical and oil facilities, pipelines.

		EMX 950 Series	
IR Optics	Aperture	f/1.2	
	Field of View	12°HFOV	25°HFOV
	Depth of Field	3 Meters to Infinity	
	Focus	25 ft. to Infinity	
IR Performance	Detection Range	MRTI	TRTI
	Warm Up	< 10 Seconds (typical)	
	Video Sample Rate	30 Hz	
Environmental	Operating Temp	-40°C to +70°C	
	Storage Temp	-40°C to +90°C	
	Vibration	MIL-STD-810D, Method 514.3, Proc 1, Cat 1.8	
	Rated	IP-67 Cameras	IP-66 Positioner
	Operating Voltage	12VDC	
	Power Consumption	.7 Watts (nominal)	
Detector	Resolution	320 x 240	
	MTF	22% typical @ fundamental spatial frequency	
	Sensitivity	45 mv/°C	
	Absorp. Efficiency	76%	
	FPA Temp. Stab	Thermoelectric Cooler	
	FPA Window Type	Germanium	
Color CCD Camera	Image Device	1/4" EX-view HAD CCD NTSC Signal	
	Horizontal Resolution	Approx 480 Line (NTSC, High Resolution), Approx 320 Line (NTSC, Normal Resolution)	
	Lens	36X Optical Zoom F=3.4mm (wide) to 122.4mm (tele), F1.6 to F4.5	
	Minimum Illumination	1/60 s mode: 1.4 lux (typical) (F1.6, 50 IRE) 1/4 s mode: 0.1 lux (typical) (F1.6, 50 IRE)	
Positioner	Pan Range	435°	
	Pan Speed	8°/Sec	
	Repeatability	.25°	
	Tilt Limits	+45°/-45°	
	Total System Weight	25lbs	



EMX International products proudly manufactured in the United States. A veteran owned small business.

Specifications subject to change without notice. Call for latest revision. Many EMX products are subject to United States export regulations, including EAR or ITAR, and may require End User Certificate or Export License if taken outside of the United States or otherwise provided to a non-US entity.

DCR0911A