

DESCRIPTION:

The Marine ViewerXR thermal imager is designed for military and security applications and can be either fix-mounted or deployed on a mobile platform. Fully marinized, this rugged IP-67 rated environmentally sealed system comes complete with an EPT40 pan/tilt positioned, field replaceable camera housing and cabling. With a standard 640 x 480 Vanadium Oxide detector and available with either 7.3 degree or 5.5 degree Field of View lenses, the Marine ViewerXR provides superior medium range performance over both land and water. The unit can be controlled via IP, wireless, fiber optic or traditional cable. Typical applications include:

- Navigational aid for commercial/military watercraft
- Surveillance/search rescue applications for law enforcement and military vehicles
- Day/Night perimeter surveillance of military installations, prisons, nuclear, chemical or oil facilities



Marine ViewerXR



FEATURES

- 640 x 480 Vanadium Oxide Detector
- Spectral Response: 7—14 microns
- 75mm or 100mm Electric Focus (EF) Lens
- IP67 Rated Dry Nitrogen Pressures Environmental Enclosure
- IP66 Rated Pan/Tilt with Rugged, Aluminum Alloy Housing
- 360 degrees Continuous Azimuth Rotation
- +45 degrees to -45 degrees Up and Down Tilt

Part Numbers:

Marine ViewerXR 640-75: MVX-640-75
 Marine ViewerXR 640-100: MVX-640-100



Model	FPA Format	Optic	Field of View	Detection (Human)	Detection (Vehicle/Vessel)
MVX-640-75	640 x 480	75 mm	7.3 degrees	2800 meters	5600 meters
MVX-640-100	640 x 480	100 mm	5.5 degrees	3500 meters	7000 meters

Marine ViewerXR System Specifications		
Optics	Aperture	f/1.0
	Field of View	See Above
	Depth of Field	3 Meters to Infinity
	Focus	1 Meter to Infinity
Thermal Imaging Performance	Detection Range	See Above based on Model Number
	Warm Up	< 90 Seconds (maximum); < 30 Seconds (typical)
	Video Sample Rate	60 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
	Operating Voltage	+ 12 VDC to + 24 VDC
	Power Consumption	7 Watts (nominal)
Detector	Type	Vanadium Oxide, Uncooled Microbolometer, 25 um detector pitch
	Spectral Range	7-14 microns
	MTF	22% typical @ fundamental spatial frequency
	Sensitivity	45 mv/°C
	Absorp. Efficiency	76%
	Pixel Clock Speed	~ 6 MHz
	FPA Temp. Stab	Thermoelectric Cooler
	FPA Window Type	Silicon

All specifications are subject to change without prior notice.

Authorized Dealer



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