

DESCRIPTION:

The Marine Viewer 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 320 x 240 Amorphous Silicon detector and available with either 7.3 degree or 5.5 degree Field of View lenses, the Marine Viewer 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 Viewer



FEATURES

- 320 x 240 Amorphous Silicon 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 Number:

Marine Viewer 320-75 : MV-320-75
 Marine Viewer 320-100: MV-320-100



Model	FPA Format	Optic	Field of View	Detection (Human)	Detection (Vehicle/Vessel)
MV-320-75	320 x 240	75 mm	7.3 °	1500 meters	3000 meters
MV-320-100	320 x 240	100 mm	5.5 °	2000 meters	4000 meters

Actual detection range is dependent on atmospheric conditions

Marine Viewer 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	Amorphous Silicon, Uncooled Microbolometer, 30 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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