

ThermoVision® Mariner

POWERFUL THERMAL IMAGER FOR
MARITIME NAVIGATION, SEARCH AND
RESCUE, AND SECURITY USE



APPLICATIONS

COLLISION AVOIDANCE
NAVIGATION/SITUATIONAL AWARENESS
PORT SECURITY/HARBOR PATROL
MARINE FIRE FIGHTING
SEARCH & RESCUE

FEATURES

High resolution thermal imager
Automatic image optimization
Wide field of view
Simple pan/tilt operation
Standard video output
Dual control option
Sealed and marinized
Exclusive Clutch-A-Matic
drive design
Internal brake system

BENEFITS

See clearly in total darkness, light fog, and through smoke with the same advanced technology used by the US Government
Advanced internal camera software delivers a crisp image without the need for user adjustments
Offers excellent situational awareness for safe navigation
Intuitive joystick operation allows operator to see 370° horizontal and +/-30° vertically, offering excellent situational awareness
The system will display video on any common LCD monitor or multi function (i.e. chart plotter) display that accepts composite video
Mariner's control suite allows for two separate joystick control stations
Corrosion resistant housing protects drive motors and ensures long life
Protects drive feature against overload; camera head can be moved manually without damaging drive unit
Holds camera firmly on target



The Mariner can resolve people and objects in the water at night. The man overboard and the log in the river are clearly visible from the craft.



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THERMAL IMAGING PERFORMANCE

Sensor type	320 x 240 uncooled microbolometer
Field of view	36° h x 27° v
Spectral band	8 - 14 μm

PAN/TILT

Az range	370°
El range	+/-30°

OUTPUTS

Video	NTSC
Connector types	BNC at primary cable end (requires video amplifier for multiple monitor applications)

POWER

Power requirements	12 VDC
Power consumption	15 W (max)

ENVIRONMENTAL

Operating temp	-10°C to 55°C
Storage temp	-40°C to 70°C
Automatic window defrost	When window temperature is below 5°C

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	9.9" d x 10.9" h (25.2 cm d x 27.7 cm)
Weight	7 lb. (3.2 kg)

STANDARD PACKAGE

Pan/tilt head with integrated thermal imager
Remote control joystick with on/off control
Operator manual

OPTIONS

Additional remote control joystick (includes cable harness)

The Mariner outputs a standard video signal that can be displayed on most existing multi-function displays and monitors. Please contact your local ThermoVision dealer to confirm compatibility of your existing monitor.

Video amplifier for additional monitor is supplied with this accessory kit.

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