



# Navigator™

The ThermoVision Navigator is a versatile low-cost thermal imager for maritime navigation. It features the same high-performance thermal imaging technology FLIR supplies the Coast Guard and Homeland Defense agencies, but it's packaged for use in pleasure craft.

The Navigator features a 36 degree field of view thermal imager that delivers a clear video image in total darkness, through smoke and light fog. Thermal imagers sense small differences in temperature, so warmer objects appear white, and cooler objects appear dark. You can clearly see outcroppings of land, buoys, markers, and other boats at range. Simply put, you can navigate with confidence in total darkness. Unlike radar systems that require adjustments and training to use, the Navigator is simple to use. If you can watch TV, you can operate the Navigator.

## FEATURE

- High performance thermal imaging
- Multiple control options
- "Home" feature [one button push returns the pan/pan-tilt system to the forward navigation position]\*
- Black Hot/White Hot operation\*
- 2x Zoom\*
- On screen pointing information\*
- Automatic lens heater
- Standard Video Output
- Small dimmable control panel\*
- Multi Mode Image Optimization [selectable contrast settings for improved performance in different navigation situations]\*

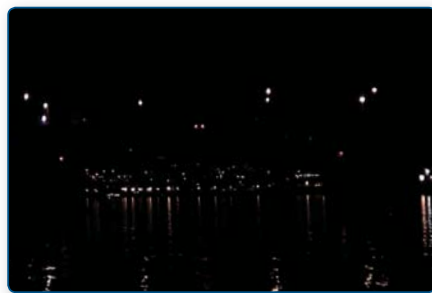
\*pan/pan-tilt version only

## BENEFIT

- See in total darkness, and navigate confidently on your schedule
- Get just the right amount of capability for your budget or application
- Improves situational awareness and reduces workload
- Improves visibility in daytime operation
- Increases magnification for higher speed navigation and searching
- Tells you where you are looking relative to the front of the boat
- Keeps the lens clear in freezing conditions
- Video can be displayed on virtually any existing monitor, saving valuable space on your instrument panel
- Reduces eye fatigue at night, and fits almost anywhere
- Boosts thermal contrast and provides optimized image quality



With Navigator thermal imager



Without Navigator thermal imager



## THERMAL IMAGING PERFORMANCE

Sensor type	320 x 240 Microbolometer
Field of View	36° h x 27° v
Spectral band	7.5 - 13.5 µm

## PAN-TILT

Az Range	N/A
EI Range	

## OUTPUTS

Video	NTSC or PAL Video
Connector types	BNC at primary cable end (requires video amplifier for multiple monitor applications)
Video Cable Length	25 feet

## POWER

Power Requirements	12 VDC
Power Consumption	2 W quiescent, 15 W (max)
Power Cable Length	25 feet

## ENVIRONMENTAL

IP Rating	IP X6
Operating Temp	-32°C to 55°C
Storage Temp	-50°C to 80°C

## DIMENSIONS AND WEIGHT

Dimensions (l x w x h)	7.3" x 4.0" x 8"
Weight	6 lb (Camera Only)

## INCLUDED IN STANDARD PACKAGE

Camera in marinized enclosure head with integrated thermal imager

User's Guide, Power Switch, Installation Hardware, Seal

## ACCESSORIES

- 25 foot extension cable
- 50 foot extension cable
- Video splitter with 25 foot video cable
- Video splitter with 50 foot video cable

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