

night navigator™ 8540



High-Speed Craft Certified Night Vision

The Night Navigator™ 8540 is a robust, all-weather system for High Speed Craft (HSC) consists of an Active-Infrared Night Vision System with a powerful Xenon Infrared Searchlight.

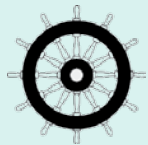
Certified for the HSC Code 2000 by DNV, RINA, Greek Maritime Authorities, US Coast Guard, Hong Kong and China Maritime Authorities and is the first night vision system to be additionally Wheelmark approved.

Applications:

- High-speed ferries
- Obstacle detection: debris, small craft, ice/bergy bits, etc
- Nighttime navigation

Main Features

- **Gated Image-Intensified Night Vision Camera**
 - Sensitive to 0.000001 lux
 - 756x484 pixel resolution
- **IR Illumination Beam**
 - 6 million candle power
- **Panel Mount Controller**
 - Optional 4-Button Keypad Controller
- **Multiple Certifications:**



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Gated Image-Intensified Night Vision Camera

Sensitivity:	0.000001 lux
Spectral Response:	450 - 950 nm
Resolution:	756 x 484
Field of view:	20°
Focus:	Fixed at infinity

Infrared Searchlight

Candlepower:	6,000,000
Short-Arc Lamp:	75-watt Xenon
Beam Width:	Adjustable

Master Control Unit (MCU)

Dimensions:	38w x 60l x 21h cm (15 x 23.6 x 8.3 in)
Weight:	27kg (59 lbs)

Video Display and Signal

NTSC (RS170) format:	Standard
On-Screen Information Display:	Sensor & bow positions, horizon & distance lines, date & time

Certifications:

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Payload Platform Specifications

Depth:	45 cm (17 in)
Height:	51 cm (20 in)
Weight:	35.5 kg (78 lbs)
Width:	35 cm (13.7 in)
Tilt Range:	-25° to +15°
Pan Range:	±100° from heading
Operating Temperature Range:	-15°C to +55°C
Voltage:	90-240VAC (50/60Hz)
Pressurized Camera and Searchlight Enclosures	

Panel-Mount Controller

Dimensions (W x H):	14.4 x 14.4 cm (5.7 x 5.7 in)
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Monitor

High-Resolution flat screen display:	26.4 cm (10.4 in) Hatteland
Dimensions:	33.9 x 25.6 x 6.8 cm (13.4 x 10.1 x 2.7 in)

Options

Secondary 4-Button Keypad Controller



IMO Detection Requirement for HSC Code 2000 - IMO Resolution MSC.94(72)

Detection of a standard IMO target at 600 meters

