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N-Boat™

Thermal Imaging Navigation Assistant System

With compact design, hermetic structure, and stabilized pan&tilt, N-Boat offers fast and high-quality imaging in wide FOV, and is perfect for any vessel in any harsh weather. Detecting floating objects, channel marking, channel flow, other vessels, pier, avoiding pirates, presenting hidden vessels and objects neglected by sonar and radar system, even if it's in dense fog, heavy rain, heavy snow or total darkness, immune to thunderstorm, special geographic or contrived magnetic field, emitting no disturbing signal, N-Boat is fully capable to enhance the safety as well as the speed during sailing. N-Boat also plays an important role in maritime search and rescue. It can precisely detect victims according to the energy emitted. No matter for fishing boat, ocean liner, luxury yacht or any other ships, no doubt that N-Boat is the best choice.

Features and Benefits

- High technology infrared night vision system
- Fast imaging speed and high image quality
- Wide field of view
- Hermetically sealed structure, capable in any harsh environments
- Advanced gyro-stabilization
- Light weight and compact, suitable for any types of vessels
- High cost performance ratio, wide application
- License free and rapid delivery

Applications

- Day & Night navigations for vessels and boats
- Increase safety and security on board
- Short to medium range threat detection
- Maritime rescue
- Anti-piracy

Specifications

Imaging Performance

	Version A	Version B
Detector Resolution	384×288	160×120
Pixel Size	25μm	25μm
Spectral Range	8 to 14μm	8 to 14μm
Field of View	21.6° (H)×16.2° (V)	9° (H)×7° (V)
Focus	25mm lens	25mm lens
Image Frequency	50Hz/60Hz	50Hz /60Hz

Video

Output	RS170 PAL/NTSC composite video

Power

Input Voltage	9~15V DC
Power Dissipation	3W

Environmental Specifications

Operating Temperature Range	-20℃ to +60℃
Storage Temperature Range	-40℃ to +60℃
Encapsulation	Hermetically sealed enclosure

Physical Characteristics

Camera Weight	4.77kg (excluding Pan/Tilt)
Camera Size	⌀200mm ×200mm(H) excluding Pan/Tilt

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