

ELECTRONICS & DEFENSE



## EOMS NG

NAVAL ELECTRO-OPTICAL MULTIFUNCTION SYSTEM

- Combined long-range infrared search & track and electro-optical director
- Ultimate protection against conventional & asymmetric threats
- Built-in gun fire control function

# EOMS NG

## Naval electro-optical multifunction system

Multifunction, EOMS NG is the sole system in its category to combine on a single unit both IRST and gun optronic fire control. Suited for all surface vessels, it is an efficient and cost effective solution for self-protection against conventional and asymmetric threats.

Day and night, EOMS NG provides automatic 360° detection, identification, and gun engagement of all surface and air targets, from anti-ship sea-skimming missiles to Fast Incoming Attack Craft (FIAC).

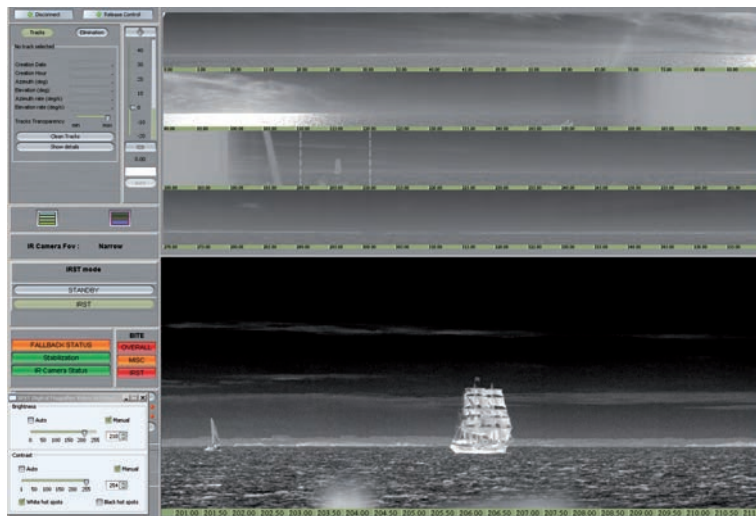
- Sea proven
- Combined IRST & EO/IR
- Built-in ballistic computer
- Gun interface included
- Instant target acquisition
- Engagement from IRST to EO/IR



### Key features

EOMS NG includes the following key features:

- Infrared Search and Track (IRST): fully passive panoramic surveillance with automatic threat detection, tracking and reporting
- Electro-Optical Director (EOD): target identification and 3D automatic tracking
- Integrated ballistic computer
- Control of small to large caliber naval guns
- Fully remote controlled from CMS or supplied operator console
- Reduced acquisition and through life cost
- Easy installation and maintenance



### Technical specifications

#### IRST

- Panoramic horizon search
- Large elevation coverage (10.5°)
- Adjustable surveillance area (-25° to +65°)
- High surveillance frequency rate
- Very low false alarm rate even in complex environment
- High resolution 3-axis stabilized video for enhanced identification range

#### EOD

- IR and TV channels (-25° to +65°)
- Automatic tracking
- High rate Eye-safe Laser Range Finder

#### Ballistic computer

- Anti-air and anti-surface modes
- Naval gun support
- Engagement of EOD and external (radar CMS) tracks
- Compatible with 3D radar shell tracking for splash correction

#### Gun control

- Integration with digital and analog gun systems
- Safety management

#### Sensors

- 3rd generation high resolution 3-5  $\mu\text{m}$  thermal imager
- Eye-safe Laser Range Finder
- TV camera

#### Interface

- CMS data interface: ethernet
- Video distribution: digital (analog available)
- INS: ethernet (RS422 available)

#### Maintenance

- Modular design
- Comprehensive Built-In Test
- Extensive and easy on-board maintenance

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