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
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).

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 μm 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