

## **MEOS II S** Day/Night Naval Surveillance System

## **MEOS II N** Day/Night Naval Observation & Targeting System



- High accuracy
- Easy to operate
- 2-axis, gyro-stabilized
- Fully ruggedized



We make it visible.

## General

The new stabilized, 24-hour day/night MEOS II (**M**aritime **E**lectro-**O**ptical **S**ystem) is available as a naval surveillance (MEOS II S) or naval observation and targeting system (MEOS II N). The ruggedized platform features a third generation thermal imager, a high sensitive day sight CCD zoom camera and an eyesafe laser rangefinder.

Both systems can be operated as stand-alone units or connected to existing radar or combat management systems (N version only). MEOS II N offers a high-pulse laser rangefinder in addition to the standard sensors. Both versions can be fitted with an optional video target tracking system. The user-friendly MEOS systems improve vision under the most adverse weather and light conditions – even at long distances.

## Applications

### MEOS II S

- Surveillance & tracking
- Search & Rescue
- Coast Guard operations
- Navigation & piloting aid

### MEOS II N

- Observation & scanning
- Fire control
- Counterterrorism operations
- Target identification & tracking

## Key features

### MEOS II S & MEOS II N

- Compact & lightweight
- Easy to operate
- Fully panoramic stabilized line of sight
- Platform protected against water and salt spray
- Easy integration into existing ships (MEOS II S & N) and weapons systems (MEOS II N only)
- Ruggedized according to ISO/IEC (MEOS II S) and MIL-SPEC (MEOS II N)

## Technical Data

### Platform

|                     |                                    |
|---------------------|------------------------------------|
| Elevation range     | -45 to +75 degrees                 |
| Azimuth range       | n x 360 degrees                    |
| Slew rate min       | 0.2 mrad/s (elevation and azimuth) |
| Slew rate max       | 1 rad/s (elevation and azimuth)    |
| Stabilization error | < 100 µrad (1σ)                    |
| System weight       | < 75 kg                            |
| Overall dimensions  | 515 x 505 x 395 mm (B x H x T)     |

### Attica Infrared Camera

|                       |                   |
|-----------------------|-------------------|
| Wavelength            | 3-5 µm or 8-12 µm |
| Detector              | 640 x 480         |
| No. of fields of view | 3                 |

### LDM 38 Laser Rangefinder

|             |  |
|-------------|--|
| Laser class | 1M / eyesafe                             |
|             | High-pulse laser rangefinder (MEOS II N) |

### Day Sight Camera

|        |                 |
|--------|-----------------|
| Optics | Continuous zoom |
|--------|-----------------|

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