

ELOP MicroCoMPASS™

Micro Compact Multi-purpose Advanced Stabilized System - Maritime



General

The MicroCoMPASS payload is the latest member of the battleproven CoMPASS stabilized EO payload family, in use worldwide.

Features:

- Ultra-lightweight, extremely compact design, optimized for installation on small maritime platforms
- Cutting-edge electro-optical technology, delivering superb day and night observation & surveillance capabilities, even in harsh weather conditions
- Single LRU integrating four EO elements, large format continuous zoom thermal imager, zoom color TV camera with low light mode, target illuminator and eye-safe laser range finder (ELRF)
- High stabilization level in a harsh sea state
- Meets even the most severe environmental requirements

Elbit Systems™

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Applications

- Coastal patrol
- Riverine operations
- Special forces
- Surveillance
- Search & Rescue

Main Advantages & Features

- Stabilized real-time video
- Long range continuous zoom thermal imager and zoom color CCD camera
- Automatic tracking of observed targets
- Lightweight, compact design with low power consumption
- Simple and straightforward installation
- Interface with platforms, fire control and navigation systems
- High reliability



Technical Data

System

- Diameter 8.2"
- Weight <9 Kg
- Angular coverage
 - Azimuth N x 360°
 - Elevation +30° to -85°
- Environmental conditions MIL-STD-810
- Video output standard PAL, NTSC

Thermal Channel

- FLIR Cooled 3rd generation 3-5µm FPA detector 640 x 512
- FOV (continuous zoom)
 - Narrow 2.5° x 2°
 - Wide 17.5° x 14°
 - Electronic zoom X3

Day Channel

- Color TV camera 1/4" CCD detector
- FOV (continuous zoom)
 - Narrow 1.7° X 1.2°
 - Wide 42° x 32°
 - Electronic zoom X12

Laser

- Laser target illuminator 830 nm (NVG compatible)
- Eye-safe laser range finder (ELRF)
 - Laser wavelength 1.54µm
 - Repetition rate 20 ppm continuously
- Laser designator (optional)

External Interface

- RS 232/422, ETHERNET



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