MicroCoMPASS™

Micro Compact Multi-Purpose Advanced Stabilized System – UAV

General

The MicroCoMPASS is the latest member of the battle-proven CoMPASS stabilized EO payload family, in use worldwide.
Features:

- Ultra-lightweight, extremely compact design, high stabilization level optimized for installation on unmanned platforms
- Cutting-edge electro-optical technology, delivering superb continuous zoom night and day observation and surveillance capabilities
- Single LRU integrating four EO elements: large-format continuous zoom thermal imager, zoom color TV camera with low light mode, eyesafe laser rangefinder (ELRF) and laser target illuminator
- Equipped with 3 gimbals which provide the MicroCoMPASSTM high stabilization level

Elbit Systems™ ISTAR

MicroCoMPASS

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Applications

Surveillance and reconnaissance
Force and convoy protection
Shipboard operation capability
Border and coastal surveillance
Law enforcement
Strategic infrastructure security




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 utilizing single LRU configuration and minimum cabling

Technical Data

System	
Diameter	8.2″
Weight	<9 Kg
Angular coverage	
- Azimuth	N x 360°
- Elevation	+30° to -85°
Environmental conditions	MIL-STD-810F
Video output standard	PAL, NTSC
Thermal Imager	
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)
Eyesafe 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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