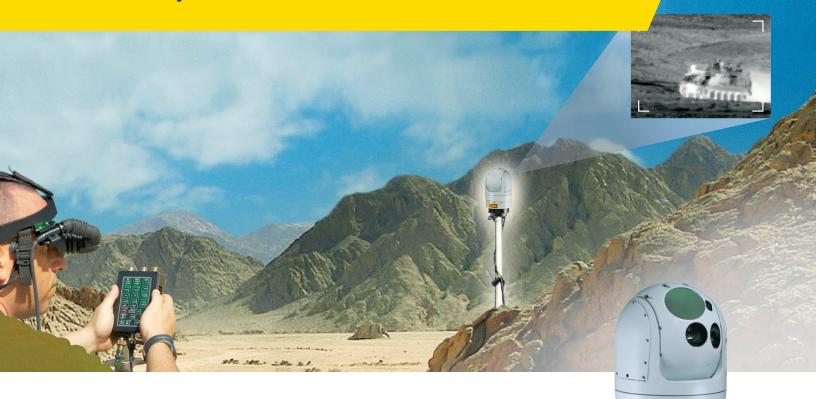
MicroCoMPASS™

Masted Micro Compact Multi-Purpose Advanced Stabilized System



General

The MicroCoMPASS payload is a member of battle-proven CoMPASS stabilized EO payload family, in use worldwide.

Ultra-lightweight, extremely compact payload, one man portable mounted on ground/vehicle mast Cutting-edge optical technology delivers superb day and night ISTAR capabilities, even in harsh weather conditions Single LRU Integrating 4 major EO elements- thermal imager, color TV camera laser target illuminator, ELRF and optional Laser Designator

Meets even the most severe environmental requirements, including heavy winds
Reliable system, easy maintenance
MicroCoMPASSTM is operated by the Miniature
Observation Remote system MDVR 900C



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Main Advantages & Features

Provides stabilized LOS and easy operational control Easy to carry and deploy full observation kit

- <9 Kg Payload
- <20 Kg Mast
- Fast Deployment and Repack (<3 min)

Total solution for rapid field deployment:

- Display
- Joystick
- DVR
- Energy (Standard military batteries, small generator vehicle external power)

Optimized to operate in all weather conditions Remote opreation increases safety and hides operator location

- 30-50m cable



Technical Data MicroCoMPASS

System

Diameter 8.2" Weight 9 Kg

Angular coverage

- Azimuth N x 360° +30° to -90° - Elevation **Environmental conditions** MIL-STD-810 Video Output standard PAL, NTSC

Thermal Channel

Cooled 3rd Generation **FLIR** 3-5 µm FPA

FOV (continuous Zoom):

- Narrow 2.5 x 2 - Wide 17.5 x 14 - Electronic Zoom Х3

Uncooled Thermal Imaging Camera (Optional)

Miniature Observation Remote system Dimensions 41 X 86 X 126 mm

Weight 0.52 Kg (without DVR), 1.3 Kg (with DVR)

Day Channel

Color TV Camera 1/4", CCD Detector (Continuous Zoom)

FOV

- 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: 1.54 µm (Eyesafe) - Repetition rate: 20 ppm continuously

- Minimum range: 50 m - Maximum range: 3000 m

(target and

atmosphere)

Laser Designator (optional)

External Interface

RS 232/422, ETHERNET



Elbit Systems Ltd.

Advanced Technology Center, P.O.B 539, Haifa 31053, Israel E-mail: istar@elbitsystems.com www.elbitsystems.com





