

# S-NAV

## Soldier Navigation System



**Innovative situational awareness solution for the dismounted infantry soldiers fighting in Urban environment, GPS independent and highly accurate**

Location awareness is critical for dismounted soldiers. However, in many combat scenarios – particularly in underground, urban, woodland and other covered areas – GPS reception is unavailable, weak or highly inaccurate. Moreover, the GPS signal is highly susceptible to interference and jamming.

Elbit Systems' S-NAV provides accurate, 3D and continuous location awareness for the dismounted soldier in any terrain and combat scenario.

The small, light-weight and low-power S-NAV is fully integrated into the DOMINATOR® solution. The S-NAV uses advanced sensors to provide continuous, accurate and real-time location awareness in any terrain, even when GPS reception is unavailable. The S-NAV is accurate to within 2% of distance travelled and is capable of determining a soldier's location within a specific room and floor of a building. The S-NAV's accuracy has been operationally tested with all types of movement and in areas with no GPS coverage.



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### Highlights

- Continuous 3D location awareness for dismounted soldiers
- Accurate tracking for every type of motion, in any terrain and for all combat scenarios
- Small, light-weight and low-power requirements
- Fully integrated with the DOMINATOR® Solution



### Key Specifications

- Weight: 140 g
- Dimension: 22x60x90 mm
- Power: 1.5W
- Location Accuracy: less than 2% circular error probability from distance travelled
- Height Accuracy: 1.5 m root mean square (RMS)
- Data Interface Type: Standard USB