TRIDENT™

Target and Designation Acquisition Suite

Elbit Systems™

ISTAR & EW

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TRIDENT™ is a lightweight, modular, remotely-controlled target acquisition suite for short to medium-range dismounted ISTAR missions. Controlled by a host computer, the man-packed, single-tripod system provides next-generation accuracy, fire support and intelligence – shortening the sensor-to-shooter loop. Continuous operation is enabled by its efficient electronic design.

AI-driven, with an exceptionally wide FOV, TRIDENT meets the needs of combat forces on the ground and in the air – including Special Forces, forward teams, forward observers, weapon guidance teams, MFCs and JTACs. It provides accurate coordinates enabling precision target acquisition – meeting NATO requirements for accuracy. As a passive system, it prevents forces from being discovered by the enemy and allows target acquisition in threat-saturated environments. The suite can be integrated with most Battle Management Systems.

Key Features

End-to-end solution	Stealth mode CAT1 passive target acquisition	70mJ LTD, STANAG 3733, compliant for up to 10km	Easy-to-use day/night See-Spot capability with spillover alert	Safe, rapid and accurate features for accelerated sensor-to-shooter cycle

Configurations

Three configurations are available, each with the Hattorix M – a tripod with pan and tilt head in a single unit, enabling a stable platform for target acquisition, surveillance and laser designation.

▶ **Hattorix M + AION-C**

Provides an advanced target locator and intelligence system with powerful surveillance, target acquisition and reconnaissance technologies for day/night, ensuring tactical superiority, increased operational effectiveness and battlefield situational awareness.

▶ **Hattorix M + Rattler XR**

Adds an additional layer, providing a lightweight, interoperable laser designator with built-in spot capability and smart spillover.
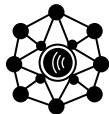
▶ **Hattorix M + AION-C + Rattler XR**

Hattorix M + AION-C + Rattler XR provides the benefits of both: a target locator & intelligence system together with a lightweight, interoperable laser designator.
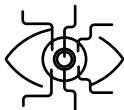
TRIDENT can be used as a standalone solution or can be fully integrated with the customer's existing systems. Elbit Systems can supply the entire suite or provide each component separately.
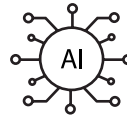
Better situational awareness, target extraction and designation	Modular, standalone, remote-controlled and continuously connected to the BMS	Top performance day, TI, DMC, GPS, LRF reconnaissance system with the widest FOV on the market (37°)	AI-based analytics for area dominance, image fusion, ATR, VMD & more	Reduced SWaP

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Remote Operation

- Operate the system remotely from over 100 meters away.
- Remain concealed or take cover while maintaining full control, increasing your survivability.
- Control the system comfortably and efficiently during extended missions.

Stealth Mode: Passive CAT-1 Acquisition

- Minimizing electromagnetic radiation.
- Reduces the likelihood of detection.
- Achieves crucial tactical superiority.

AI-Driven Assistance

- Incorporates advanced AI for ATR & VMD.
- Significantly reduces both the physical and cognitive workload of the soldiers.

Turn-Key Solution with Designation Capabilities

- Remotely controlled precise designation.
- Effective Range: over 6km.
- Energy output: ≥ 70 mJ (80mJ Typical).
- Compliant with STANAG 3733 standards.

Modular System: Autonomous Operations

- Each component operates independently.
- Provides flexibility and adaptability in diverse operational scenarios.
- Supports various setups, including surveillance plans and multi-target acquisitions.

Intelligent Navigation

- Scan Plan: Seamlessly define multiple points of interest on a digital map and let the system automatically navigate between them.
- Eliminates the tedious and time-consuming process of manual adjustments. Simply select any point of interest on the digital map and the system will automatically move to that location.

User-Centric Design: Simplified Setup

- Simplified Setup
- UX focused.

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