

Laser Warning Systems

Fully customizable detecting laser threats





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Elbit Systems offers an extensive range of sophisticated warning systems for armored fighting vehicles. Tailored to meet specific requirements, the systems provide personnel with accurate warnings to support effective and timely responses to laser and radar-guided threats. Providing 360-degree threat coverage, the warning systems integrate with a full array of countermeasures.

Customizable – The range of warning systems can be tailored to provide the required degree of accuracy and meet a broad range of threats. Whether installed as a stand-alone system or integrated with countermeasures, the system can be easily fitted to all AFVs.

Range of Systems – Elbit Systems’ Laser Warning System (ELAWS), Threat Detection System (TDS) and mobile Laser Warning System (mLWS) detect, categorize and pinpoint laser sources such as rangefinders, designators, beam

riders, infrared illuminators and trainers. In addition to laser sources, the Multi Threat Detection System (MTDS) detects, categorizes and pinpoints radar/RF sources. The mLWS is specially designed for use by the infantry soldier. Small, light weight and has the same performance as all other Laser Warning. All of these systems allow for training within the vehicle and include built-in test.



ELAWS



mLWS



TDS



MTDS



Superior Performance – The systems are an essential component of the vehicle’s defensive capabilities and feature visual warnings, high detection probability, and a low false-alarm rate. The advanced, high-speed processing and communication capabilities, combined with electro-optical operation, provide accurate and dependable operation. In addition, the system is immune to false alarms triggered by reflections, lightning, gunfire as well as self-RF and electro-optical operations. The warning systems are combat-proven and in use by numerous armed forces around the world (NATO and others).

Operational Benefits

- Fully customizable
- Detects, categorizes and pinpoints laser and radar-guided threats
- Full hemispherical active threat coverage and protection
- Integrates with a full range of advanced countermeasures
- High detection probability and low false alarm rate

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Key Features

Threat detection coverage: 360° horizontal, 110° vertical FOV

- Offered direction accuracy: 2° to 45°
- Direction indication for all types of threats
- High detection probability
- Low false-alarm rate
- No machining required for installation
- High/Wide dynamic range
- Fast Ethernet /RS422/CANBUS/RS232 communications
- Meets MIL-STD-810, MIL-STD-1275(AT), MIL-STD-461 standards
- Standard spectral range: 0.5 to 1.6 micron
- Easy installation
- Built-in test

Effective and timely responses to laser and radar-guided threats



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