



# StormGuard

Compact Multi Mission Radar for  
Armored Fighting Vehicles

ELM-2135



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## Compact Multi Mission Radar for Armored Fighting Vehicles

StormGuard (ELM-2135) is a compact, multi-mission AESA radar system that incorporates ELTA's operationally proven design heritage to enhance the survivability and lethality of armored fighting vehicles (AFV). Operating in X-Band, this rugged, high-performance radar serves as the main sensor for active protection and C-UAS systems fitted to tanks, infantry fighting vehicles, and other combat platforms such as armored support vehicles. StormGuard provides crews with critical on-the-move tactical situational awareness and target acquisition capabilities, rapidly cueing remote weapons stations and turrets for accurate fire.

This versatile radar is able to simultaneously detect, classify and track drones, UAVs, loitering munitions, RPGs, and anti-tank guided missiles (ATGMs). It provides precise 3D target coordinates, time-to-impact, and launching point data for hundreds of targets in real time, supporting both soft-kill and hard-kill countermeasures and weapon systems. In surveillance mode, StormGuard detects and classifies moving targets, such as dismounted soldiers and vehicles, at operationally relevant ranges.

StormGuard can be integrated with ELTA's Othello (ELO-5220) Optical Hostile Fire Detector (HFD) for enhanced rocket and missile detection. Othello will detect the flash when these threats launch and cue the radar toward them, enabling StormGuard to remain in stealth mode until fired upon. Working together, these systems accelerate threat detection, providing additional time for activation of effective countermeasures. In addition, the radar is easily integrated with third-party C-UAS or active protection system, and can be deployed from unmanned ground vehicles or at fixed installations to protect critical infrastructure.



StormGuard



StormGuard with Othello

### KEY FEATURES

- Compact, ruggedized design optimized for easy integration on AFVs
- True multi-mission capability, supporting C-UAS, ground surveillance & active protection
- Simultaneously detects, classifies and tracks multiple threats while on the move
- Flexible, upgradable configurations providing up to full 360° hemispherical coverage
- High performance fully digital, Software Defined Radar (SDR) with multi-beam staring and electronic scan
- Battle proven detection, tracking and classification algorithms, including micro-Doppler processing for identification of hovering drones
- Ballistically protected antenna for enhanced survivability in hostile conditions
- Core radar for countermeasure systems, including ELTA's HunterEye (ELI-3312) Advanced Remote-Controlled Weapon Station (RCWS) and HawkGuard (ELI-5035) Drone Interceptor Active Protection System

### SPECIFICATIONS

Description	Parameter	
Frequency Coverage	Micro UAV (CLASS 1)	1,100m
	Small UAV (CLASS 1)	2,000m
	Human	3,000m
	Light Vehicle	5,000m
Dimensions [HxWxD]	158x275x245 mm	
Weight	12 kg	
Azimuth Coverage	90°	

