



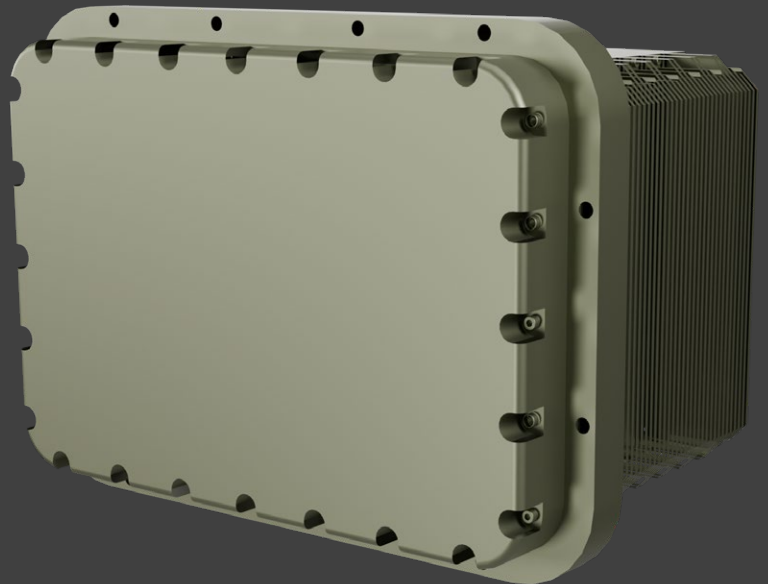
NEMUS COMPACT

FULLY AWARE. FULLY PROTECTED.

MULTI-THREAT, HIGH- AND LOW- VELOCITY TARGETING AESA RADAR

Nemus Compact is a multi-threat AESA radar and active protection system for counter UAS and ISTAR systems.

This fully digitised robust system is resistant to electro-magnetic saturated environments, counter-APS, and harsh operating conditions.



SPECIFICATIONS

KEY FEATURES

- Light, compact and portable
 - Countermeasure agnostic, easy integration
 - 3D radar (DTRMs solid-state based)
 - Electro-magnetic saturated environments resistant
 - Digital AESA radar
- Digital beamforming
 - Fully digitised: high-speed data processing
 - High resolution and high precision
 - 5th module for top-attack protection

Size	Height: 295 mm Width: 405 mm Depth: 305 mm
Spatial coverage	Azimuth: -45° to +45° (four radars for 360° coverage) Elevation: -10° to 70°
Target detection	Variety of targets detected up to 405m: Nano UAV Micro UAV Mini UAV Small Size UAV Vehicle APFSDS (KE) RPG/ATGM
Accuracy	Range: 1.15 m Azimuth: 1.5° Elevation: 2° Velocity: 5 m/s (high-velocity targets). 0.1 m/s (low-velocity targets)
Speed detection	Up to 2000 m/s (high-velocity targets). Up to 90 m/s (low-velocity targets)
Simultaneous targets	> 20 per radar tile
Protocols	ASTERIX, Customer tailored
Interfaces	Ethernet, I/O discrete
Power supply	28 VDC (MIL-STD-1275E)
Environmental	IP68 / MIL-STD-810G: A1, A2, A3, B1, B2, B3, C0, C1, C2, C3, M1 & M2
Ballistic protection	STANAG 4569 LEVEL 1