



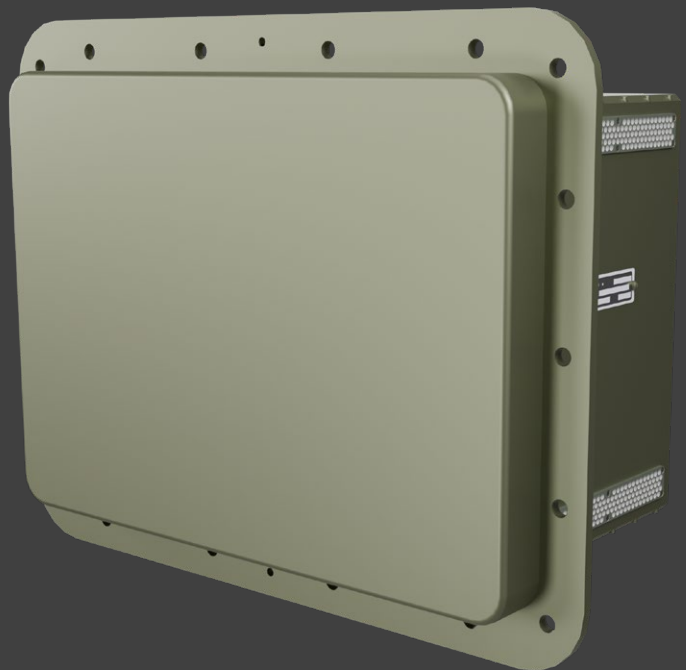
NEMUS

SURE SCANNING. SECURE DEFENCE.

MULTI-THREAT AESA RADAR

Nemus is a multi-threat AESA radar for active protection systems dedicated to C-UAS and ISTAR applications. Light, compact and made for on-the-move, this system handles detection, identification and tracking for diverse incoming threats, including UAVs, ATRs, ATGMs, RPGs & kinetic energy ammunition. Offering easy integration, it is countermeasure agnostic.

Designed to operate in challenging weather and electro-magnetic saturated environments, the Nemus radar is future proofed with smart technology for counter-APS systems. It can detect multiple hostile incoming weapons, as it is fully digitized for high-speed data processing.



SPECIFICATIONS

KEY FEATURES

- Made to be on-the-move
- Light and compact
- 3D radar (DTRMs solid-state based)
- Electro-magnetic saturated environments resistant
- Digital AESA radar
- High resolution and high precision
- Fully Digitalized: high-speed data processing
- 5th module for Top Attack protection

Size	Height: 435 mm Width: 555 mm Depth: 305 mm
Spatial coverage	Azimuth: -45° to +45° (four radars for 360° coverage) Elevation: >70°
Target Detection Range	RCS 0.005 m ² (Nano UAV): 3.4km RCS 0.01m ² (Micro UAV): 4km RCS 0.1m ² (Mini UAV): 7km RCS 1.0m ² (Small Size UAV): 12.5km Vehicle: 13km APFSDS (KE): 1100m RPG/ATGM: 1900m
Accuracy	Range: 1m Azimuth: 1° Elevation: 1.5° Velocity: from 0.1m/s to 10m/s (Depends on the operational mode)
Speed detection	Targets from 0.1m/s to 2000m/s (Depends on the operational mode)
Simultaneous targets	> 100 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