



RADAR SYSTEMS

RADA's Family of Maritime Multi-Mission Tactical Radars

Military vessels, civilian ships, oil & gas rigs, and other strategic maritime platforms face a constantly growing need for mitigation of a wide range of threats.

Under the clutter of the dense maritime environment, early and accurate detection of threats is the vital link in the chain of effective defense. This is especially true in littoral waters, where lethal surface and aerial attacks can be mounted with little or no warning.

MAJOR ADVANTAGES

- Superior performance against low signature targets
- Multi-Mission – ‘one radar does it all’
- MOSA – Modular Open System Architecture design – easily integrates with any Hard & Soft kill system
- Software-defined, automated operation through advanced signal processing, algorithms, and AI
- Processes hundreds of simultaneous threats through Track While Search (TWS) & Revisit modes
- Enhanced fast volume scan coverage, full 360° Hemispheric Search & Track with a four-radar array
- In-depth 4D analysis of Doppler and other target features

RADA'S SUITE OF CUTTING-EDGE MULTI-MISSION MARITIME RADARS PROVIDE SUPERIOR DETECTION OF THE WIDEST RANGE OF RELEVANT THREATS

- Guided missiles
- Unmanned Aerial Systems (UAS) & drones
- Air Breathing Targets (ABT)
- Ballistic missiles
- Aircraft & helicopters
- Surface vessels



KEY CHARACTERISTICS

- Active Electronically Scanned Array (AESA) antenna
- Extremely high doppler resolution for fast, accurate threat detection & classification
- Wide range of threat velocities
- Multi-path reduction & clutter handling through advanced antenna topology and processing
- Advanced Electronic Counter Countermeasures (ECCM) and multi-radar coexistence capabilities
- Cyber certification (Risk Management Framework) ready
- Integrated with IFF (Optional)

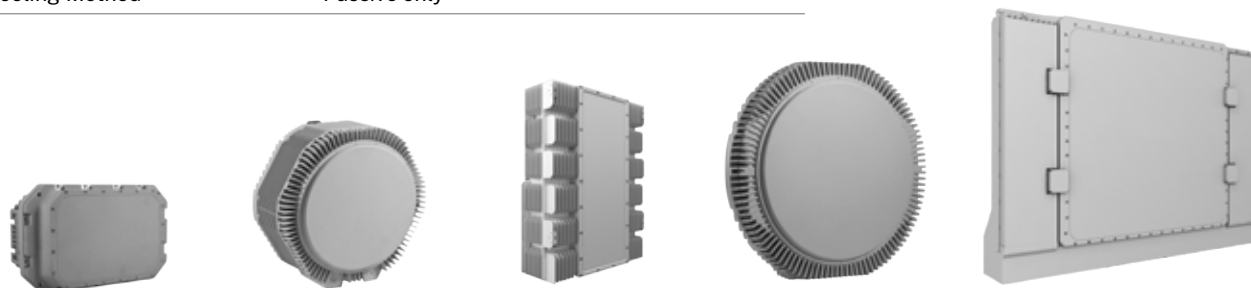
Incorporating decades of experience and a globally recognized track record of innovation, RADA's pulse-Doppler software-defined, 4D AESA tactical radars provide hemispheric coverage around the protected asset.

Deployed by world-leading military forces at the heart of advanced tactical SHORAD/C-UAS defense solutions, RADA's mature and combat-proven radars seamlessly integrate with any C4I / C2 system to provide a comprehensive and dynamic Air Situational Picture (ASP).



SPECIFICATIONS

Spatial coverage	Single radar: 90°Az, 90° El 4 x radars on platform for full 360° hemispheric coverage
Hardware Interfaces	Ethernet, I/O Discrete, RS-422, RS-232
Interface Protocols	FAAD, ASTERIX, Customer-tailored
Input Power	28 VDC (per MIL-STD-1275E)
Power Consumption	320 W average
Operating Temperatures	-40° C to +55° C
Cooling Method	Passive only



RADA's family of maritime solutions offers unprecedented affordability with excellent SWaP characteristics and are easily integrated into any naval or civilian vessels or seaborne platforms.

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