

# DAiR™

## Simultaneous Multi-Mission Tactical Radar



### Cutting-Edge, Battlefield-Proven Radar Technology

*Ensuring Complete Tactical Situational Awareness, Tracking Thousands of Threats Simultaneously*

#### Features

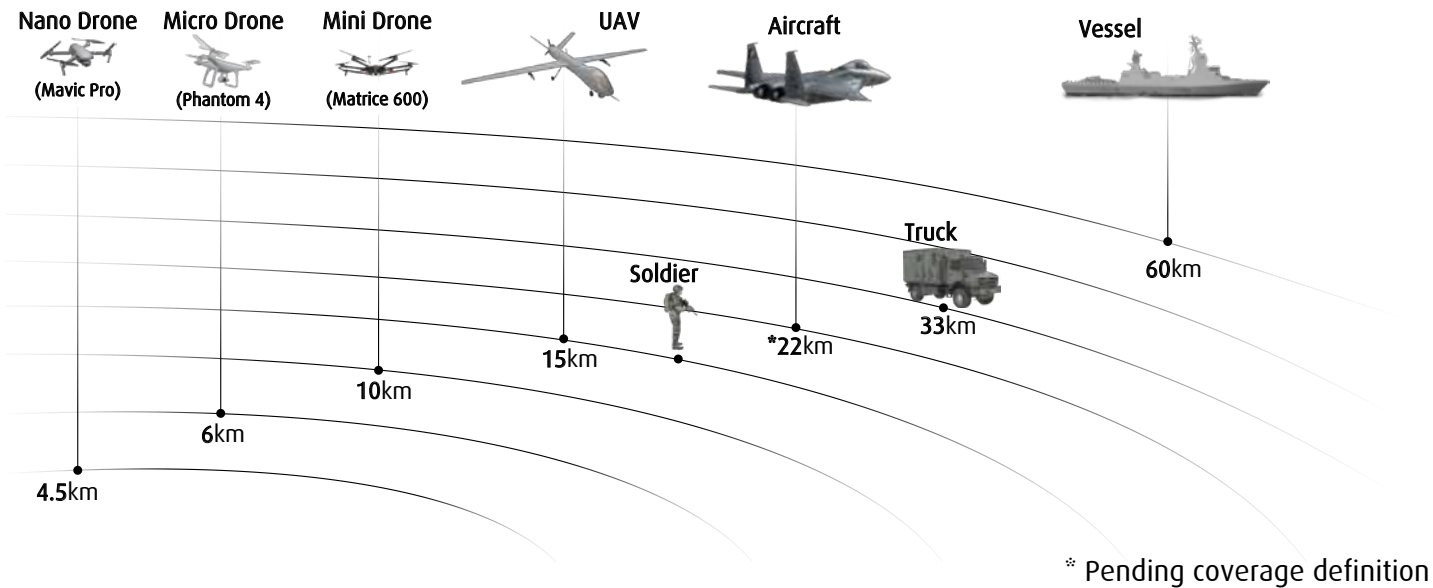
- AESA Radar – Active Electronically Scanned Array
- Simultaneously tracks ground, air, and maritime targets, large and small, fast or slow, all within the same mode
- Frequency: X-Band
- Tracks up to 10,000 targets simultaneously
- High update rate
- AI-enhanced target classification
- Software Defined Radar, various operational modes
- Compatible with ASTERIX, SAPIENT & other data protocols
- Battlefield-proven, serial production
- Full ILS package available



**Elbit Systems™**

ISTAR & EW - Elisra

## Simultaneous Multi-Mission Tactical Radar



Physical Parameters	Values
Dimensions	520 x 387 x 218 (mm)
Power Consumption	340W (each panel)
Weight 110° Radar Panel	30Kg
Power Supply	16V to 33V DC, MIL-STD-1275E
Environmental Conditions	Qualified according to MIL-STD-810G
EMC/EMI	Qualified according to MIL-STD-461F
Operation Temperature	-32°C - +55°C
Communication	1Gbps Ethernet, RS485
Elevation Steering Capabilities	

Performance	Values
Number of simultaneous targets	10,000
Azimuth coverage	110° (single panel)
Azimuth coverage	360° (with multiple panels)
Angular resolution	7°
Angular accuracy	0.3° (Azimuth and Elevation)
Minimal detection velocity	< 0.3m/sec
Range resolution	30m
Range accuracy	3m
Radial velocity separation	< 0.3m/sec
Elevation coverage	up to 80° (mission & application configurable)