



**SMART
AND TO THE
POINT.**

**COMBAT
PROVEN**

SPYDER™ All-in-One

**The Newest Member of the SPYDER Family.
Complete, Fully-Functional SPYDER System Integrated on a
Single 8x8 Wheeled Vehicle**



Advanced Mobile Air Defense for Maneuvering Forces

The SPYDER AiO configuration was developed in response to the operational need for an agile, autonomous air defense system with the speed, mobility in challenging terrain, and short reaction time required by maneuvering forces.

The AiO configuration provides reliable air defense with a minimal logistic footprint – a single vehicle carrying all required equipment.

AiO defeats a wide range of air-breathing threats including those from fixed and rotary wing aircraft, UAVs, cruise missiles, and PGMs.

The system protects maneuvering forces and marine bridgeheads and provides point defense for sensitive sites.



Benefits

- Speed and mobility in challenging terrain
- Short reaction time
- Minimal logistics footprint
- Commonality of HMIs, missiles and electronics with all SPYDER systems
- Transportability: All components (except cabin equipment) mounted on standard ISO platform, easily dismountable, transportable by land, air, and sea



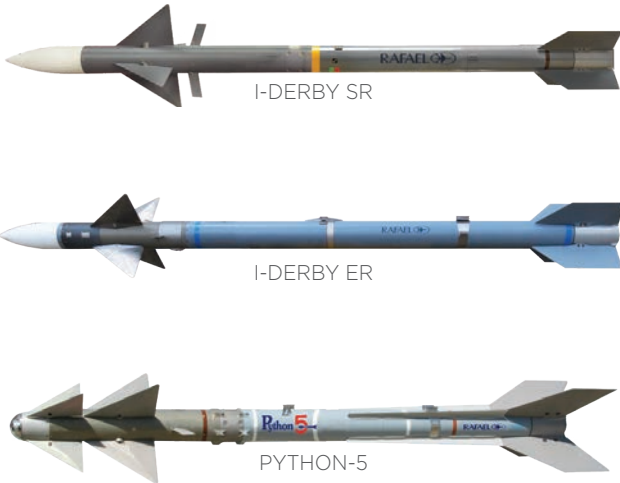


Rapid Operation

Designed for fast transition from moving to firing, the AiO operates in Search-on-the-Move and Fire-on-Halt modes.

The system's radar – when positioned just above the vehicle's cabin – can be operated while on the move. Upon detection of a threat, or when an order is given, the vehicle stops, stabilizing jacks are extended, the radar is extended to its full height, and the launcher is raised to a nearly vertical position. The AiO's two cabin workstations control this entire process, enabling the crew to remain safely inside the cabin.

The AiO can operate autonomously or can be interfaced with higher echelons (C2).



Main Capabilities

- Fully autonomous operation
- Unique covert passive engagement mode
- On-the-Move detection & Fire-on-Halt modes
- Cyber hardening
- Embedded trainer

Main Components

- C2 system: 2 cabin workstations
- Launcher
- Surveillance and fire control sensors on assemblable mast: 4-panel, full phased array 360° non-rotating surveillance & fire control radar; day/night surveillance & EO target acquisition system
- Missiles: Up to 8 canisterized missiles, any combination of I-DERBY SR, I-DERBY ER and PYTHON 5 SR
- Power supply system
- 8x8 High mobility wheeled vehicle chassis



Technical Specifications

Parameter	Value
Maximum missile range	40 km (I-DERBY ER) 20 km (I-DERBY SR) 15 km (PYTHON 5 SR)
Maximum intercept altitude	12 km (I-DERBY ER) 9 km (I-DERBY SR) 6 km (PYTHON 5 SR)
Maximum number of simultaneous engagements/controlled missiles	4
Time required from mobility to combat readiness	3 minutes
Recovery time	3 minutes
Weight (including 8 missiles)	~ 30 tons



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