

Spyder Family - (SR™/ER™/MR™/LR™)

Short/Extended /Medium/Long Range Mobile Air Defense Systems



There is no escape from the Spyder's web

Benefits

- Operational and combat proven systems
- Engages and destroys a wide spectrum of hostile threats
- Autonomous capabilities
- On-the-move detection and instant firing after halt
- Dual use missiles (air-to-air and surface-to air)

Spyder Family - Mobile Air Defense Systems

The Spyder family includes short/Extended/Medium/Long Range mobile air defense systems defend large areas against a wide spectrum of threats, such as attack aircraft, helicopters, bombers, cruise missiles, UAVs and stand-off weapons. The systems are operational and combat proven and provide excellent protection of valuable assets, as well as first-class defense for forces located in the combat area.

State-of-the-Art Missiles

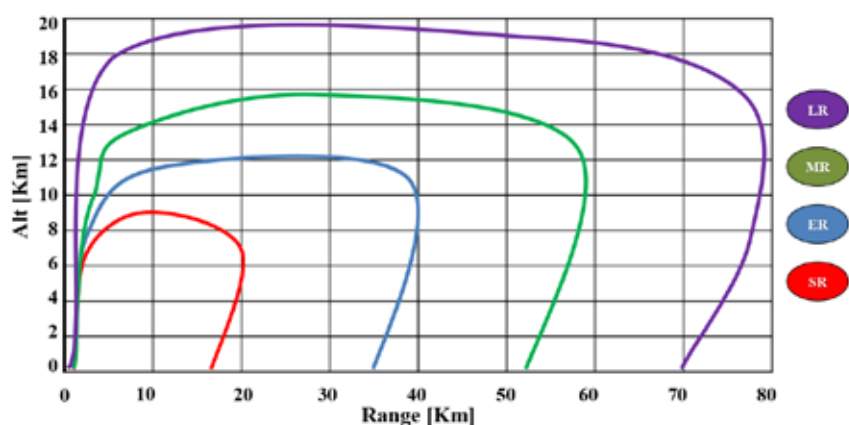
The Spyder systems incorporate the most advanced, proven performance air-to-air-missiles: the Python-5- dual waveband imaging infra red (IIR) missile, the I-Derby - active radar beyond visual range (BVR) missile and I-Derby ER long range missile, based on two pulse advanced rocket motor. The Spyder-MR and Spyder-LR use the same missiles with a booster assembly.

The missiles can also be used for air-to-air missions.

Operational Performance

The Spyder family has autonomous capabilities. The systems detect threats while on-the-move and firing is performed instantly after halt. The Spyder-SR and Spyder-ER 360° slant launching provides quick-reaction, Lock On Before Launch (LOBL) and Lock On After Launch (LOAL) capabilities, low level protection, whereas the Spyder-MR and Spyder-LR offers medium & long range target interception through vertical launch. Both systems enable 360° launch within seconds of the target being declared hostile and provide all-weather, multi-launch, net-centric capabilities.

The Spyder systems have advanced ECCM capabilities and use electro optic observation payloads as well as wireless data link communication.



Transportable by C-130



Spyder-SR firing



Highly Mobile Platform



Spyder-MR firing

Spyder Family Configuration

The Spyder family includes the same system elements in all versions.

A standard Spyder battery includes:

- Truck-mounted command and control unit (CCU) - (radar sensor unit is mounted on the CCU in Spyder-SR/ER)
- Truck mounted Radar (Spyder-MR/LR)
- Toplite EO sensor
- Missile firing units (MFU) with communication equipment
- Missile supply vehicle (MSV)
- Field service vehicle (FSV)

Spyder's open architecture design enable adding up external components (such as radars). The systems are mobile and transportable by aircraft (such as C-130).

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