



SPYDER™ Family

Family of Mobile Air Defense Systems

The SPYDER™ Family includes short- to longrange (20-80 km) mobile air defense systems which can 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, combat-proven and provide excellent protection for valuable assets, as well as first-class defense for forces maneuvering in the combat area.

Benefits

- Operational and combat-proven systems
- Engage and destroy 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)
- Unique combination of two missile types – with IIR or RF seekers



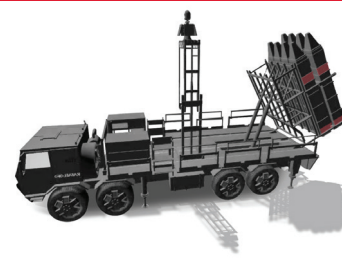
SPYDER MFU-SR



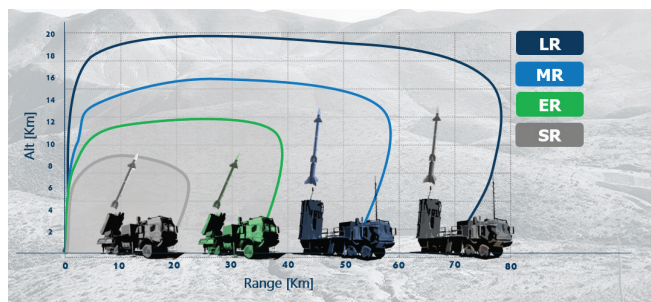
SPYDER MFU-ER



SPYDER MFU-MR/LR



SPYDER MFU-AIO SR/ER



Interception Envelope



State-of-the-Art Missiles

The SPYDER-SR™ and SPYDER-ER™ use the most advanced, combat-proven air-to-air-missiles: the PYTHON 5™ – with dual-band Imaging Infra-Red (IIR) & CCD Seeker, the I-DERBY™ – with active radar seeker, and the I-Derby ER™, with a 2-pulse rocket motor for longer ranges.

The SPYDER-MR™ and SPYDER-LR™ use the same missiles as the SPYDER-SR/ER, plus an additional booster assembly. All these 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, with firing performed instantly after halt.

The SPYDER-SR and SPYDER-ER have a 360° slant launching that provides low-level quick-reaction, Lock-On-Before-Launch (LOBL) and Lock-On-After-Launch (LOAL) capabilities.

The SPYDER-MR and SPYDER-LR offer medium- & long-range target interceptions through a near vertical launch. Both systems enable a 360° launch within seconds after the target is declared hostile, and provide all-weather, multi-launch, netcentric capabilities.

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

SPYDER Family Configuration

A standard SPYDER battery includes:

- Truck-mounted Command and Control Unit (CCU) - (A radar sensor unit is mounted on the CCU in SPYDER-SR/ER versions)
- Truck-mounted radar (SPYDER-MR/LR)
- 3-6 Missile Firing Units (MFUs), with embedded TopLite™ EO sensor
- Support vehicles

SPYDER's open architecture design enables the integration of external components such as radars. The systems are mobile and transportable by aircraft (e.g., the C-130).



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