

COMBAT
PROVEN

SMART
AND TO THE
POINT.

SPYDER™ Family

Advanced 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 including 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
- with electro-optical sensors





SPYDER MFU-SR



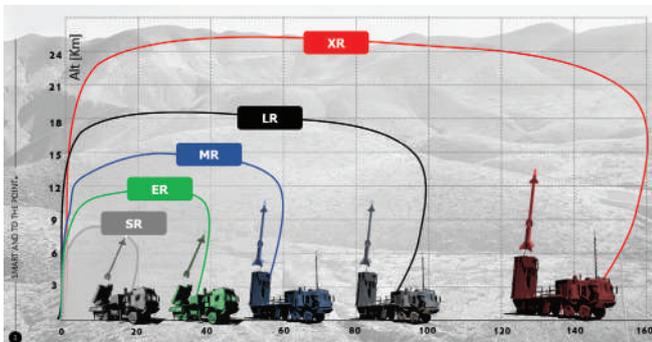
SPYDER MFU-ER



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.



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 (MFU), 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).



Main Capabilities

- Fire instantly after halt
- SPYDER SR & ER 360° slant launch, LOBL and LOAL
- SPYDER MR & LR near vertical launch, medium & long-range interceptions
- Launch within seconds
- All-weather, multi-launch, netcentric
- Advanced ECCM
- EO observation payloads
- Wireless data link



Air & Missile Defense Systems Division

Tel: +(972)73-336-7990

Fax: +(972)73-336-7989

Email: rafaél_ads@rafael.co.il

HQ Tel: +(972)73-335-4714

Fax: +(972)73-335-4657

Email: Intl-mkt@rafael.co.il

www.rafael.co.il

SPYDER™ Family is a Trademark of RAFAEL Advanced Defense Systems Ltd

UNC.34943/02.23 VIENG/ Studio | MSS