

SAMSON™ 30mm Integrated RWS

Combining the world's leading systems into an all-in-one, high-lethality, high-survivability RWS

Unmatched Power, Unequaled Survivability

In today's increasingly complex and saturated battlefields, it is crucial that vehicles can advance as quickly and securely as an MBT (Main Battle Tank) - unimpeded in their movement by the growing number of lethal and affordable anti-tank CE weapons.

The SAMSON 30mm Integrated RWS addresses this new reality with a remarkable combination of the most cutting-edge, reliable, and effective solutions available. Delivering an MBT level of protection, this uniquely integrated, all-in-one RWS provides mission-appropriate fire power without degrading the vehicle's intrinsic mobility.

Benefits

- More than 40 years of experience in the area of RWS
- All-in-one system brings the RWS to the next level
- Integrates leading systems, all from RAFAEL's system house
- Increased lethality & unmatched maneuverability
- Adaptable to wide range of platforms; interfaces with other platforms via BMS
- Lighter weight, lower silhouette
- Exceptional survivability, no hull penetration, no obstacles in interior space



Spike ATGM firing from Samson RWS

Cutting-Edge Components from a Single System House

The SAMSON 30mm Integrated RWS provides unparalleled maneuverability, lethality and survivability. It also delivers the advantages resulting from all its components having been developed by RAFAEL, and thus coming from the same system house: smooth integration, risk mitigation, weight reduction, optimized capabilities, and maximum interoperability.

Components include the TROPHY Active Protection System (APS) and the SPIKE LR 1&2 Missile. TROPHY is the only combat-proven APS that has already saved lives. Suitable for any AFV - MBTs, 8x8s, and other medium-weight platforms - it provides an unprecedented level of survivability. Creating a protective bubble, it rapidly detects, classifies and engages all known CE threats. In use on the Merkava 3&4 MBTs and Namer Heavy APCs, it was selected by the US Army and USMC for the Abrams MBT.

The 5th Generation SPIKE LR 2 is a state-of-the-art, lethal, multi-purpose, multi-platform missile. It enjoys commonality with the SPIKE Missile Family which is continuously improved with extended range, enhanced lethality and reduced weight.

Extensive Global Deployment

Backed by 40 years of experience and global success, this powerful integrated solution with unmatched life-saving features joins RAFAEL's standard-setting RWS Family. In addition to the IDF, thousands have been deployed and extensively proven under rigorous combat and environmental conditions in over 25 countries - including Belgium, the Czech Republic, Greece, Lithuania, Romania, Spain, the UK, and Canada.

Integrated Components

- 30/40mm automatic cannon with Air Burst Munition (ABM)
- 7.62mm coaxial machine gun
- Dual launcher for RAFAEL's SPIKE LR 1&2 multi-purpose guided missiles
- Fire-Control System with advanced image processing for fast & accurate target acquisition
- TROPHY Active Protection System (APS)
- Armor protection, STANAG Level 2 and higher

Main Capabilities

- Locates fire source, enabling effective return fire
- Faster, more accurate slew-to-cue
- Under-armor ammunition loading
- Head-Out capability via inherent hatch, allowing close situational awareness
- Full integration with TORCH C4I system
- Unified user interface serves all subsystems



LAND & NAVAL SYSTEMS DIVISION

Tel: (972)73-335-2002
 Fax: (972)73-335-4093
 Email: lnd-mkt@rafael.co.il

HQ Tel: (972)73-335-4714
 Fax: (972)73-335-4657
 Email: Intl-mkt@rafael.co.il

www.rafael.co.il