



SPIKE™ LR2

5th Generation, Precision, Long-Range, EO-Guided Missile System for Ground, Air and Sea

Powerful, Versatile, and Precise

SPIKE LR2 is a state-of-the-art, EO, multipurpose, multi-platform, 5th generation missile system that meets the complex needs of modern warfare. The missile weapon system – which can be used for infantry, armored vehicles, naval vessels and helicopters – operates at long range, up to 5.5 km, with unparalleled precision. It successfully engages direct, non-line-of-sight, and beyond-line-of-sight targets.

SPIKE LR2 includes a powerful tandem HEAT warhead that can defeat any of today's tanks, vehicles, or maritime vessels – and can be used in urban combat against structural targets found in urban settings for in-structure detonation.

Benefits

- Enhanced lethality against all types of targets; high hit probability
- Range 5.5 km; pinpoint accuracy at long range
- Multiple operational modes: Fire & Forget/Fire & Observe/Fire to Target Coordinates
- Immune to GPS Jamming
- Full commonality with all SPIKE missiles & launchers (ground, air, sea); interoperability with 34 user nations (19 in EU/NATO)
- Reduced weight enables carrying two rounds by one soldier
- Multipurpose/Multi-platform
- Very low life cycle cost (LCC)



Cutting-Edge Technologies

The SPIKE LR2 missile has an advanced high end electro-optical seeker which includes a high quality un-cooled IR sensor and an advanced high resolution day sensor. The unique multispectral seeker enables sensory data fusion (IR/VIS) operating simultaneously. This feature enables stronger and smarter tracking capabilities, even under the harshest weather conditions.

Unmatched Performance

The EO guidance system with real time fiber optic data link delivers multiple cutting-edge capabilities including man-in-the-loop retargeting, engagement of non-line-of-sight targets, and pinpoint precision. A novel multispectral tracker allows hot swapping (in flight swapping IR/VIS channels), under the gunner's control – allowing the detection of hidden target's IR signatures as well as shape and color. Simple and easy to operate, the SPIKE LR2 system is immune to RF, GPS, or other jamming measures.

Optional Configurations

SPIKE LR2 can be supplied as a dismantled man-portable system as well as a vehicle-mounted guided missile. Also available is a multipurpose missile configuration that includes gunner-controlled fusing for control of the desired effect, offering both breaching of bunkers with in-structure detonation upon breaching of up to 20cm of reinforced concrete (including steel reinforcing bars). It can also be used in air burst mode against combatants.

Main Capabilities

- Embedded IMU for missions of 3rd party target allocation, network-enabled
- Multispectral target tracker
- Selectable flight trajectories offering low, medium or high angles of attack
- Mid-flight abort mission capability
- Powerful warhead for increased lethality
- Multipurpose configuration for breaching/peripheral blast



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