

Iron Fist

Soft & Hard Kill Full Spectrum Active Protection System



Situational Awareness

- 360° day and night panoramic vision
- Detection of moving targets
- Small arms burst identification

Safety Measures

- Blast interceptor assuring minimal collateral damage
- Hardware and software mechanisms preventing false fire
- Insensitive Munition (IM) blast warhead
- Fusing redundancy and fail-safe initiation

System of System Design

Open architecture enables integration with additional sensors like LWS and countermeasures C⁴I/BMS, and counter fire systems like RCWS and own Tank turret



RF & Passive IR Sensors



Main Control Unit



Launcher & Jammer



Interceptor



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From:

- Light vehicle to heavy AFV
- RPG to KE rounds
- Open terrain to urban and complex environment

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Iron Fist

Soft & Hard Kill Full Spectrum Active Protection System

ELBIT SYSTEMS IRON FIST is an advanced soft and hard kill active protection system aiming at enhancing self defense capacity of armored platforms ranging from light vehicles to heavy AFVs, against modern battlefield thraets.

IRON FIST neutralizes anti tank threats by two layers of active protection:

- **Soft Kill** - utilizes directional E/O jammer mounted on each launcher.
- **Hard Kill** - based on a blast interceptor initiated at a safe distance from the defended platform, resulting in the destruction or deflection of the threat.

The **IRON FIST** consists of RF and passive IR sensors for optimal reliability and short response time.

The **IRON FIST** performed full series of field interception tests against all threat types, including on the move and urban environment in both light and heavy vehicle configurations.

- **Threat neutralization with no residual penetration**
- **Suitable for light vehicle application**
- **Dramatically reduces KE rod penetration to absorbable level by creating a significant angle of attack (yaw angle)**
- **Suitable for heavy vehicles applications (MBT, IFV)**

Characteristics

- Situational awareness based on system's sensors suit
- Two layers of protection: soft kill and hard kill
- Protection against short range ATRs (i.e. RPG) and anti tank guided missiles
- Kinetic energy and HEAT tank rounds
- E/O jammer against second generation ATGMs
- 360° coverage, high elevation angle
- Two independent sensing techniques: RF and passive IR
- Minimal integration requierments, small dimensions and light weight
- Modular design compatible to various platforms
- Suitable for open terrain and complex environment

