



## IRON FIST LIGHT CONFIGURATION

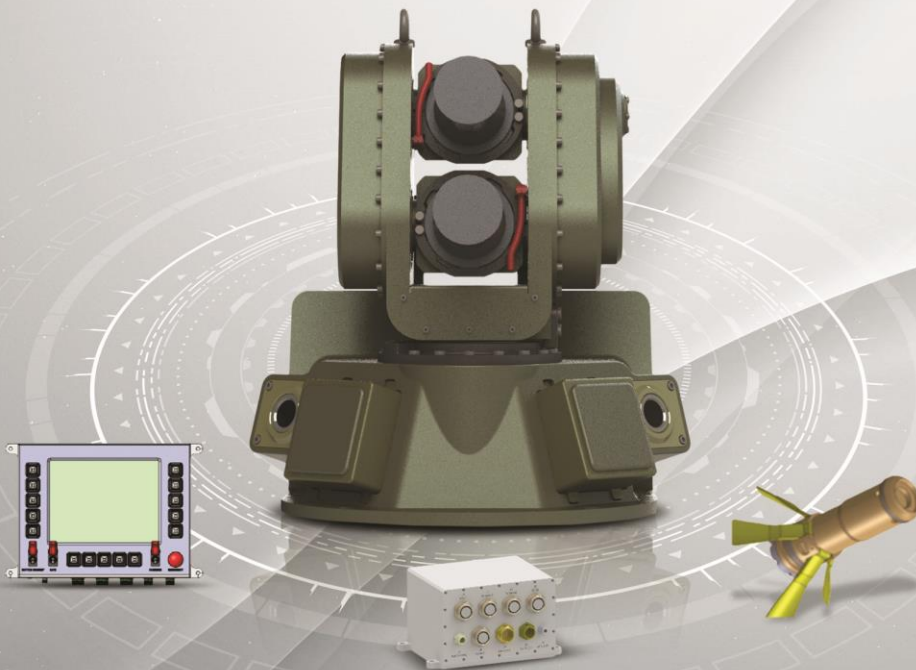
Hard kill Active Protection System for Light to Medium AFVs

IMI Systems takes active protection to the next level with presenting its new Iron Fist Light Configuration (IF-LC) Active Protection System (APS), a generic add on configuration applicable for all kind of armored platforms from light 4X4 vehicles up to medium and heavy AFVs.

The system's hard-kill concept is based on intercepting the threat by launching a small warhead and initiating it at a safe distance from the protected platform, at a precisely calculated moment, and defeating or destructing the threat through a shock-wave effect.

IF-LC provides 360-degree protection coverage for close-range scenarios in both open terrain and urban environments. Through its two sensing techniques - a search-and-track radar and a staring infrared sensor - the System offers a unique Situational Awareness capability and robust and reliable detection, accurate trajectory prediction as well as short reaction time in all terrain environments. Presenting a revolutionary design the IF-LC minimizes the dimensions of the APS while maintaining combat efficacy and force protection. The system's scale facilitates rapid integration onto the full range of combat vehicles and its dimensions open new possibilities to equip new vehicles with APS, as well as upgrade legacy platforms of which size, weight and power constraints are of a challenge.

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## Operational Characteristics:

- Protection against ATRs and ATGMs
- Short reaction time for short range ATRs engagement
- 360° coverage, high elevation angle
- Two independent sensing techniques (RF and IR)
- Operational in both open terrain and urban Environments
- Situational Awareness including IR sight, HFD and small arms burst detection

## Integration features:

- Lightweight (100kg for side, 250kg for overall platform)
- Small dimensions and low silhouette
- All in One pre calibrated Unit
- Bolt on, No Penetration to vehicle Structure
- Low power drain from the vehicle

## Safety

- Small blast interceptor, minimal collateral damage
- Insensitive munition (IM) explosive
- Hardware and software mechanism for preventing false fire
- Fusing redundancy and fail-safe initiation

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