

Flight Guard - Self Protection System Configured to Enhance Safety of Civil Aviation



General

The terror threat to civil aviation has been widely acknowledged since the September 11th terror attack. One of the most lethal threats is the heat seeker shoulder missile, which is deployed in large quantities around the world and available to all types of outlaw organizations.

These missiles are easy to use, easy to hide and carry, and extremely effective.

The missile is attracted to the heat of the aircraft engines. The missile can hit an engine and blow it up in a matter of seconds.

IAI/ELTA is presenting its solution to this missile threat to the civil aviation market - the **Flight Guard Self Protection System**.

The Flight Guard Self Protection System has been designed to protect military, para-military and civil aircrafts during their flight through endangered areas.

IAI/ELTA's Flight Guard Self Protection System is in service on aircraft and helicopters of the Israeli Air Force and has been field proven.

The Flight Guard Self Protection System has also been sold to numerous foreign Air Forces worldwide. It has been proven that the Flight Guard Self Protection System has saved the lives of crews and passengers in aircrafts threatened by incoming missiles. This battle proven system is capable of detecting an approaching missile, warning the crew and automatically activating countermeasures that will divert the missile from its course, saving the aircraft and its passengers.

Flight Guard - Self Protection System for Civil Aviation Safety



Main Features

- Detection and protection against attacking missiles
- Fully automatic operation and response
- Very short reaction time
- Accurate Time To Impact measurement and optimal and timely countermeasures activation
- 360° coverage
- All weather capability
- High reliability and very low false alarm rate
- Extensive BIT (Built-In-Test)

System Configuration

- Flight Guard is a self-protection suite, comprised of two main sub-systems:
 - The Detection Subsystem - based on ELTA's EL/M-2160 Pulse Doppler Radar
 - The Countermeasure Subsystem - automatically and timely activated for efficient deception of the missile
 - User Friendly Cockpit Control / Display Unit (CCDU)
 - 4 to 6 antennas (according to platform and coverage requirement)
 - Variety of antenna types available

Physical Characteristics

Weight: 60 Kg
Dimensions (TPU): 306 x 361 x 207 mm (W x L x H)
Power consumption: 500 Watt



- 1 EL/M-2160 - Radar-Based Missile Approach Warning System
- 2 Advanced Countermeasure System

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