

ELTA's Comprehensive Self-Protection Jamming Pod Configured to Enhance Aircraft Survivability



General

ELTA's EL/L-8212/22 Self-Protection Pods are modern, advanced and sophisticated Jamming Pods designed to enhance survivability of fighters and other military aircraft by suppressing multiple threats in dense radar-guided weapon systems environment.

Including cutting-edge Exciter and Receiver, and housed in a lightweight low-drag pod configuration, ELTA's Pods may be installed and integrated onboard aircraft of any size, and protect them against all types of regular and modern, existing and future threats (Air-to-Air & Surface-to-Air).

Hundreds of ELTA's Self-Protection Jamming Pods are deployed worldwide, installed onboard F-16, F-15, F-111, F-4, F-5, A-4, Jaguar and Eastern fighters.

The pod may be easily integrated with any aircraft and its avionics, due to its small dimensions and the flexibility of its electrical and mechanical interfaces.

The Jamming Pods are flight line re-programmable. Using PC-based equipment and user-friendly human-machine interface, threats and jamming techniques may be easily updated or added.

The system incorporates modern design architecture and advanced technologies, based on ELTA's field proven experience of more than 30 years in the design and manufacturing of EW Systems and on operational feedback.

ELTA's Comprehensive Self-Protection Jamming Pod



1

Main Features

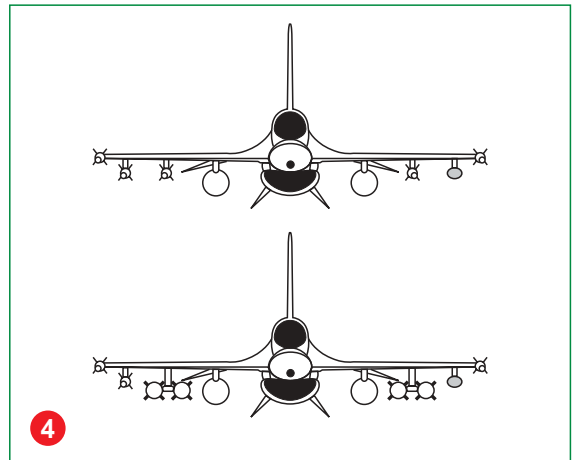
- Autonomous threat environment handling using an integrated ESM receiver: interception, analysis, identification, sorting and initiation of appropriate jamming techniques.
- Lightweight (100 Kg), low drag (19 cm. X 24 cm.) and small dimensions (length: 2.40 meter).
- The pod is also certified for installation on Air-to-Air missile (sidewinder equivalent) weapon stations.
- The Pod is certified to operate in full aircraft flight envelopes (G Loads and Velocities).
- Versatile fighter aircraft configurations of weapons and fuel tanks are available due to the flexible pod installation (weapon stations) options.
- Low Life Cycle Cost (LCC): Cost-effective, easy maintenance, high reliability and availability, minimal ILS requirements.
- Power-managed jamming regime in time, frequency and direction.
- Effective jamming capabilities: High RF sensitivity, High ERP and wide technique repertoire.
- Enhanced and user-friendly mission debriefing capabilities: all mission events and data are recorded and debriefed using PC-based replay equipment.



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- 1 F-15 Fuselage station
- 2 EL/L-8222 - Pod for large aircraft
- 3 EL/L-8212 - Pod for small aircraft
- 4 F-16 Missile station – drawing

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ISRAEL Tel: (972)8-857-2312/2410. Fax: (972)8-856-1872 • e-mail: market@elta.co.il
 U.S.A. Tel: (703)875-3726/46. Fax: (703)875-3770 • EUROPE Tel: (33)1-46.40.47.47. Fax: (33)1-46.40.47.48.

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RECONNAISSANCE

EARLY WARNING
& CONTROL

DEFENCE
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& FIRE CONTROL