

Self-Protection Pod

MODULAR AIRCRAFT SURVIVABILITY SYSTEM



DEFENSIVE COUNTERMEASURES



Enabling Information Dominance



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OVERVIEW

Missionized self-protection allows Unmanned Aircraft Systems (UAS) to continue delivering critical Intelligence, Surveillance, and Reconnaissance (ISR) in high-tension environments. The Self-Protection Pod (SPP) is a game-changing countermeasures capability that enables the tracking of Radio Frequency (RF) and Infrared (IR) missile threats, deployment of countermeasures, and real-time threat awareness and protection on board a UAS.

At the heart of the Self-Protection Pod is the Terma AN/ALQ-213 Electronic Warfare Management System, which provides the interface, health, status, and command and control for the various systems installed in the pod. The AN/ALQ-213 functions as the Aircraft Survivability Equipment (ASE) manager, which coordinates between the various threat warning and dispensing systems to automatically dispense the appropriate sequencing pattern and expendables to protect the UAS.



GA-ASI Self-Protection Pod Flare Salvo

FEATURES/BENEFITS

- Mitigates surface-to-air threats for current MQ-1, MQ-9, and manned aircraft operations
- Delivers enhanced survivability against both IR and RF threats
- Features the Leonardo DRS AN/AAQ-45 Distributed Aperture Infrared Countermeasure (DAIRCM) System that utilizes a single sensor for both two-color IR missile warning and a wide field-of-view gimbal for threat countermeasures
- Includes Raytheon's AN/ALR-69A(V), a fully digital radar warning receiver (RWR) that detects, identifies, and locates threat electronic signals
- Uses a BAE Systems ALE-47 Countermeasures Dispenser System to dispense airborne flares, chaff, and other airborne decoys

CHARACTERISTICS

DIMENSIONS	82" x 23" x 19" (2.08m x 0.58m x 0.48m)
WEIGHT	386 lb (175 kg)
POWER	115 VAC, 2.5 KVA

