

ISSYS POD – Self-Protection Plug-on-Device



Protect your helicopter and crew with the Integrated Self-Protection System, ISSYS POD. This highly versatile airborne electronic warfare (EW) solution can be installed and used on various helicopter platforms within 15 minutes.

Description

The Plug-on-Device (POD) is a pioneering solution that enables equipping helicopters with an EW system on a per-mission basis. RUAG Aviation integrates the widely used SAAB IDAS/CIDAS system with all other equipment needed for a self-contained system. It consists of two POD-devices mounted on the helicopter hard points or on a station at the weapon carrier, thereby eliminating the need for the helicopter to be recertified.

International Standard

- Military certification subject to customer requirements
- Civil aviation certification according to EASA standards upon customer request
- Certified according to DO-160E

System specification

Self-Protection System	Missile Approach Warning Capability	UV-C based
	Radar Warning Capability	0.7 – 40 GHz (pulsed) / 0.7 – 18 GHz (CW)
	Laser Warning Capability	0.85 – 1.7 μ m
	Chaff/Flare (NATO standard ammunition)	39 1" x 1" or 19 2" x 1" per side
Physical/Electrical	Dimension [cm] (l x h x w)	128 x 38 x 49
	Power [W] (excludes dispensing pulses)	350 – 500 W (depending on configuration)
	Weight POD System [approx.] [kg]	96 – 130; complete system without chaff & flares (depending on POD configuration)
Certification	DO-160E & MIL-Std-810 F	

Your advantages

- Platform independent
- High aircraft availability
- Short exchange time, fast installation
- Based on the proven ISSYS system
- Control display panel – simple and efficient operation
- Optional threat warning display
- Safe operation, low impact on aircraft performance
- Easy access for maintenance
- Tailored to customer requirements

Benefits

- Minimal aircraft adaptation required
- Fast and simple to equip a platform with self protection
- Low cost per fleet (small number of PODs per fleet)
- Minimal training required – daily tasks as well as for fixed integration
- Maximum investment protection during fleet modernisation

ISSYS POD Design

