



SAAB



IDAS INTEGRATED DEFENSIVE AIDS SUITE

Watching your back

Self-protection for airborne platforms

Photo Credit: FMV Sweden

Watching your back

For aircraft operating in sophisticated, diverse and dense threat environments, self-protection is crucial. IDAS is a fully Integrated Defensive Aids Suite for airborne platforms. A proven, end-to-end, multi-spectral EW suite that provides the advantage of immediate and automatic countermeasure dispensing. With IDAS watching your back you are well prepared for the most challenging missions, in the most demanding threat environments.



Fly and forget

Flying in hostile airspace demands that the pilot and crew, despite the risk of being exposed and attacked, can pay full attention to the mission. With IDAS onboard, they can trust the system to automatically detect and effectively counter different types of threats, while allowing them to concentrate on the tasks at hand.

Less is more

With a low box count and a variety of standard aircraft interfaces, IDAS is easily integrated into any aircraft type in user selectable configurations. A complete, space-saving system that offers a single point of entry, less risks and more functionality.

Direction fast-forward

Through continuous improvements, Saab makes sure your self-protection system will not only keep up with technological developments and increasingly challenging threat scenarios, but also stay ahead. For instance, IDAS will soon feature a Saab-designed active hostile fire indication function as well as third-party Infrared Missile Approach Warning systems (IR-MAW) and several successful Directional Infrared Countermeasures (DIRCM) integration options.

Self-protection in a more compact suite

The compact configuration of the system comes with electro-optical sensors and a smaller controller. It is ideal for aircraft that do not require the RWR functionality but is otherwise identical to IDAS in all other aspects.

Flexibility with freedom of choice

IDAS provides any number of sensor suite combinations and has been integrated with a range of third-party sensors and subsystems, such as DIRCM and IR-MAW.

Committed for the long term

At Saab, we believe in long-term commitments and high availability. Therefore, our offer includes a range of well-thought-out support services that can be tailored to precise customer needs and requirements. With over sixty years' experience in Electronic Warfare and from implementing complex EW projects worldwide, we know the true needs of the end users.



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IDAS – a fully integrated Electronic Warfare Self Protection System (EWSPS) solution to the threats experienced during military operations. The modular design increases survivability by providing sensor subsystems for:

- **Radar Based Threats** – Radar Warning Receiver (RWR) subsystem offering ultra-wide band coverage.
- **Infra-Red Missile Threats** – Latest version of our UV MAW offering the best available sensor technology with improved sensitivity. The MAW subsystem provides full azimuth coverage (4 sensors) and up to full spherical coverage with 6 sensors. Our best-in-class neural net classifier provides optimal probability of warning and excellent false alarm rejection. IDAS is also offered with a third-party IR-MAW from a European manufacturer.
- **Laser-Based Threats** – Laser Warning System (LWS) providing situational awareness and classification of all known laser threats including range finders, designators, beam-riders and dazzlers.
- **Countermeasures** – Fully integrated, smart dispensing in various configurations from Saab. Existing third-party CMDS can also be accommodated.
- **DIRCM** – IDAS or MAW subsystems have been successfully integrated with most major, non-US DIRCM systems.

Key features

- Radar warning receiver, missile and laser warning, hostile fire indication and countermeasure control
- Fully automated response, intuitive situational awareness
- Cost Efficient, Size, Weight and Power (CSWaP) – all functionality and interfaces from one controller (EWC)
- Fully integrated sensor subsystems and countermeasures
- Full modularity allows capability expansion as the threat scenario evolves
- Full modularity allows IDAS subsystems to be integrated with larger EW suites
- DIRCM compatibility
- Common O- and I-Level support and training for all subsystems
- Single O-Level tester
- ITAR-free components