

iSNS

Immune Satellite Navigation System



GPS ECCM SYSTEM

- Enabling Uninterrupted GPS Receiver Operation
- Effective Jamming Immunity
- Multi-Platform, Multi-Application
- Modular & Customizable
- Minimal Integration

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Elbit Systems EW and SIGINT-Elisra's iSNS is an exceptionally effective GPS ECCM system that ensures reliable, non-stop GPS operation. The sophisticated iSNS solution provides full jamming immunity for multiple satellite channels, and handles multiple interfering signals and/or jammers operating on concurrent frequencies.

Utilizing the null-steering principle, iSNS enables immediate availability and uninterrupted communications, and provides superior performance due to the maximization of RF capabilities. Delivering a unique level of flexibility, the iSNS works with all types of GPS systems, offering extensive protection from jamming - without prior knowledge of GPS satellite locations or GPS receiver antenna locations, and despite any antenna heading/pitch/roll. Requiring minimal integration with the GPS receiver, the system can be installed as a completely independent add-on kit.

Modular and cost-effective, the iSNS is designed for use in a wide variety of land, air, and sea applications - including UAS, fighters, and submarines. Its small footprint enables adaptation to even the most compact platforms. Unlike other systems that saturate at distances of several miles, Elisra's solution enables platforms to continually navigate while in close proximity - even within just a few meters of enemy jammers.

Targeted to end-users, integrators, and OEMs, the iSNS is ideal for military and civilian airborne platforms, remotely operated vehicles, armored fighting vehicles (AFV), artillery C⁴I systems, mobile C⁴ISTAR systems, and naval vessels.

