NAVSHIELD GNSS

Resilient GNSS Protection

INTEGRASYS
Building success from innovation

CAPEX or SaaS

THE MOST RELIABLE GNSS PROTECTION SYSTEM

Advanced GNSS interference detection and mitigation, ensuring continuous positioning and timing under jamming operational environments.

www.integrasys-space.com

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Competitive Advantage

- Ensure continuous GNSS availability in contested RF environments.
- Demonstrated real-time mitigation of multiple jamming profiles (CW, sweeping, hopping, and multi-tone).
- Proven recovery of satellite lock and positioning (3D fix) under active interference conditions.
- Seamless transition between protected and transparent (bridge) modes for operational flexibility.
- No dependency on external systems or infrastructure for interference mitigation.

Features

- Real-time GNSS interference cancellation with adaptive signal processing.
- Bridge mode operation for transparent signal pass-through without mitigation.
- “Wanted signal” recovery mode to isolate and restore authentic GNSS signals.
- Effective against continuous wave (CW), sweeping, hopping, and multi-tone jammers.
- Demonstrated capability to handle full-band and partial-band interference scenarios.
- Dynamic satellite tracking with visual lock status and fix mode indication.
- Integration with standard GNSS receivers and tools such as u-center.
- Supports multi-constellation GNSS environments and real-time signal monitoring.

Benefits

- Maintains reliable Position, Navigation, and Timing (PNT) services under jamming conditions.
- Rapid reacquisition of GNSS signal and satellite lock after interference events.
- Enhances mission continuity for safety-critical and high-availability operations.
- Reduces operational risk caused by intentional or unintentional RF interference.
- Fully automated operation with minimal user ntervention.
- Provides clear visibility of GNSS status, including fix mode and satellite tracking.
- Supports consistent performance across varying interference types and intensities.
- Enables confidence in GNSS-dependent systems in both civil and defense environments.

Company Awards

Vision Awards	MOST INNOVATIVE PRODUCT OF THE YEAR	2014
VSAT INDUSTRY AWARDS 2015	TECHNOLOGY INNOVATION OF THE YEAR	2015
VSAT GLOBAL 2017	BEST GROUND TECHNOLOGY OF THE YEAR	2017
WTA	TELEPORT TECHNOLOGY OF THE YEAR	2018
MSUA	GOVERNMENT MOBILE INNOVATION	2022
WTA	TELEPORT TECHNOLOGY OF THE YEAR	2023
MSUA	SATELLITE MOBILE INNOVATION AWARDS	2023
MSUA	NEW SPACE MOBILE INNOVATION AWARD	2024
BroadcastPro ManufacturerAwards	BEST CONTRIBUTION TO SUSTAINABLE SATELLITE OPERATIONS	2025
SSPI	BETTER SATELLITE WORLD AWARDS	2025