

FLIGHT-READY GNSS TECHNOLOGY

JAVAD GNSS designs and manufactures high-precision GNSS receivers with over 20 years of field-proven performance across demanding applications where long-term stability is mission-critical.

Aerospace

Defense & Security

Commercial Space Operations

PARTNER WITH US

With full end-to-end control of design through manufacturing, our engineers work closely with you throughout integration.



**MADE IN
THE USA**

Manufactured in California in a JAVAD-owned world-class facility with end-to-end control of design and manufacturing.

J-Shield Anti-Jamming/Spoofing

Patented detection and protection against signal falsification and interference

End-to-End Control

Full control from design to manufacturing and support

IBIR

Improved reliability through In-Band Interference Rejection

COTS (Commercial Off-the-Shelf)

Readily available with optional customization



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OEM GNSS+INS

UAV & FLIGHT SOLUTIONS

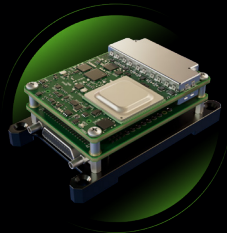
High-precision positioning and attitude determination for UAVs and autonomous platforms operating in challenging environments.

- ▶ Patented anti-jamming and anti-spoofing
- ▶ Tightly Coupled GNSS+INS
- ▶ Proprietary TRIUMPH ASIC technology

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GNSS+INS PLATFORMS

- ▶ Continuity through GNSS outages
- ▶ OEM-ready form factor for flexible integration
- ▶ In-Band Interference Rejection
- ▶ Multi-constellation, multi-frequency
- ▶ Tightly coupled GNSS + IMU for maximum robustness
- ▶ Built for BVLOS, defense, public safety, and advanced autonomy
- ▶ Navigation continuity in urban canyons, jamming zones, and dense RF environments



43 x 71 x 24 mm

TR-2S AJ INS

A complete GNSS + INS navigation core designed for professional UAV platforms and payload integrators. Delivering robust positioning with integrated inertial navigation for smooth, stable trajectory output.



60 x 100 x 31 mm

TR-3S DUO INS

Engineered for platforms demanding robust heading, attitude stability, and uncompromised navigation integrity in the most challenging RF and operational environments.

- ▶ Dual-antenna heading capability



J-SHIELD

Anti-Spoofing + Anti-Jamming

PATENTED PROTECTION BUILT-IN

JAVAD OEM solutions are equipped with J-Shield, our patented spoofing and jamming detection and protection.

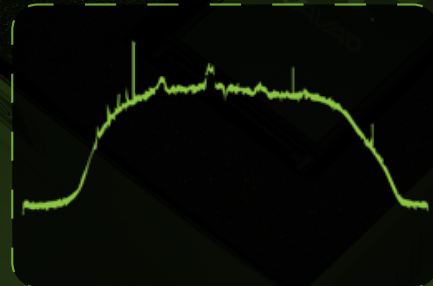
J-Shield is a robust filter that blocks out-of-band interference. See all satellites tracked, used, spoofed, blocked, faked, and replaced.

IN-BAND INTERFERENCE REJECTION

IBIR (In-Band Interference Rejection) is the receiver's ability to suppress unwanted signals that fall within the same frequency band as the desired GNSS signal.

IBIR: Up to 30 dB

J/S Ratio: Up to 90 dB



THE JAVAD ADVANTAGE

Meet your needs, without compromise.

- ▶ Position accuracy & smooth trajectories
- ▶ Compact footprint
- ▶ Sensor fusion
- ▶ Precise heading
- ▶ BVLOS or interference-prone operations
- ▶ Maximum robustness
- ▶ Patented spoofing & jamming detection
- ▶ In-Band Interference Rejection (IBIR)

CUSTOM ASIC AT THE CORE

JAVAD OEM solutions are powered by our custom ASIC at the core for enhanced performance and control.

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