PulserOne

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PulserOne

PulserOne is a precision RTK GNSS smart antenna that combines rugged durability with cutting-edge performance.

- Track all satellites in view
- Integrated MEMS IMU
- eSIM / UHF / SS Radio
- USB-C for data and fast charging
- Pulser Lighting System
- Internal 64GB memory
- Spoofing Detection
- Up to 7.5-hour Swappable Battery

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Pulser Lighting System (PLS)

This innovative system provides intuitive visual feedback, clearly communicating device status and operational modes through color and animation.

28 ANIMATED LEDs

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Communication Features

- Bluetooth 5.1
- Wi-Fi, 2.5 & 5 GHz
- eSIM cellular module
- Universal UHF radio
- High speed USB-C

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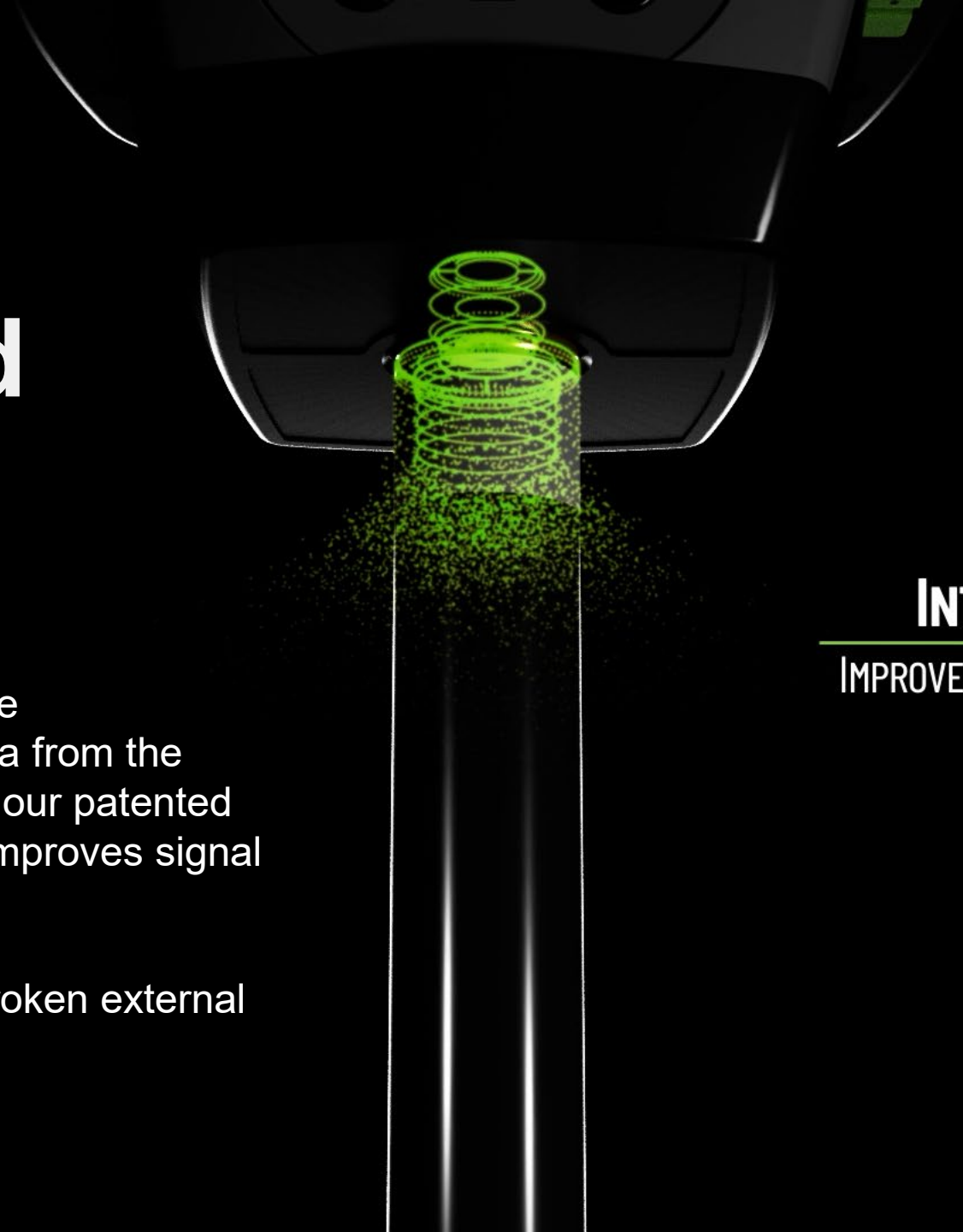
Patented In-Pole Antenna

Physically separating the communications antenna from the GNSS antenna through our patented technique significantly improves signal strength and reliability.

No more damaged or broken external antennas.



Integrated Antenna

Improved Durability & Reliability

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New 5.0 Firmware

- Tightly-coupled GNSS+INS integration
- Sensor Fusion
- Patented RTPK
- J-Star PPP solutions*

*Available as a subscription service.

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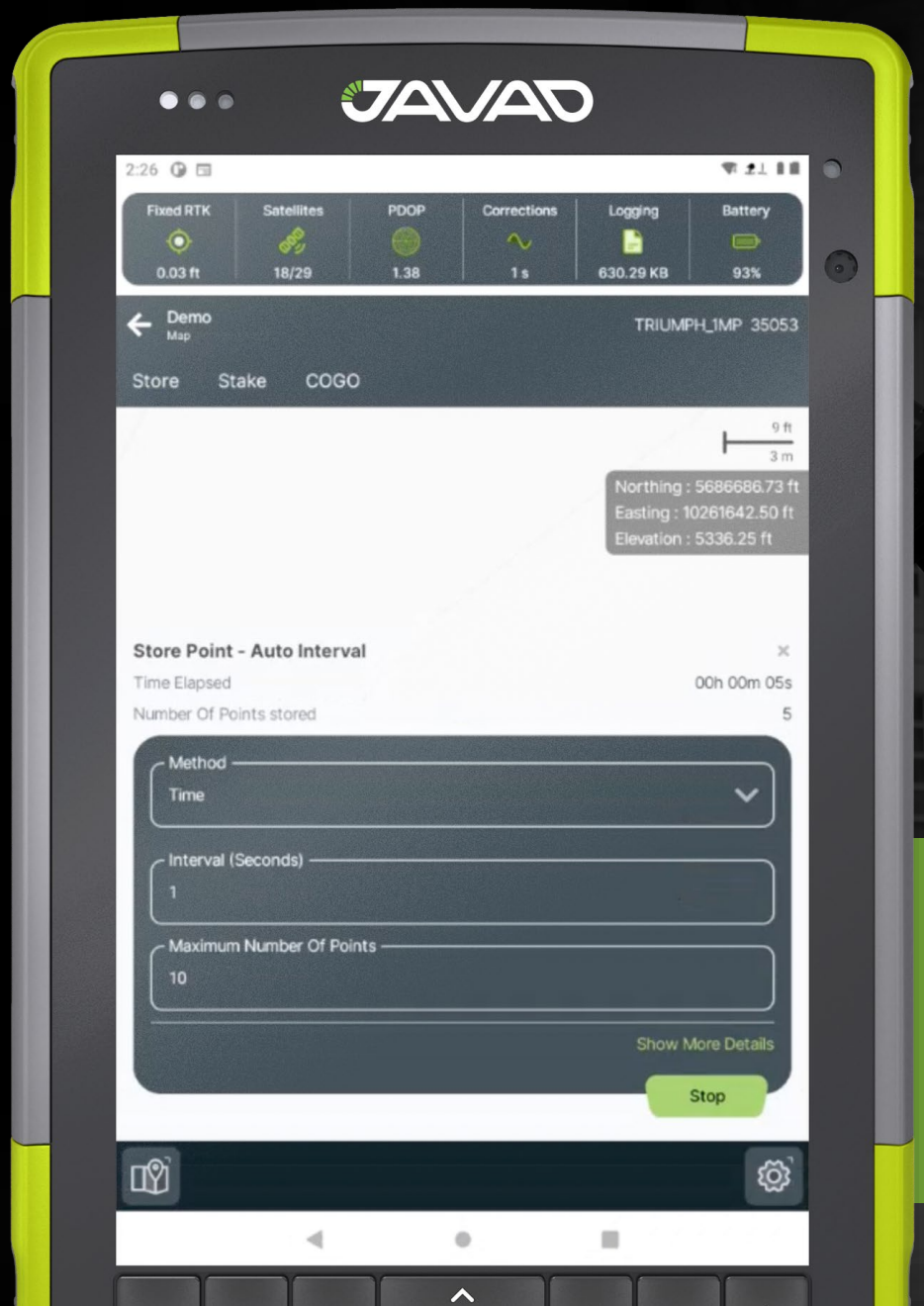

JAVAD DATA COLLECTOR

JAVAD Data Collector (JDC) delivers full-featured data collection capabilities with grab-and-go simplicity.

AVAILABLE ON ANY ANDROID™ DEVICE

Proudly Made in the USA

Made at the world-class JAVAD facility in San Jose, California.

Our products are built in-house to withstand the delays and risks of supply chain vulnerabilities.

- ✓ **Quality control**
- ✓ **In-house support**
- ✓ **Experience**

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TRIUMPH-3 ASIC Jamming & Spoofing

Fast Acquisition for rapid satellite lock

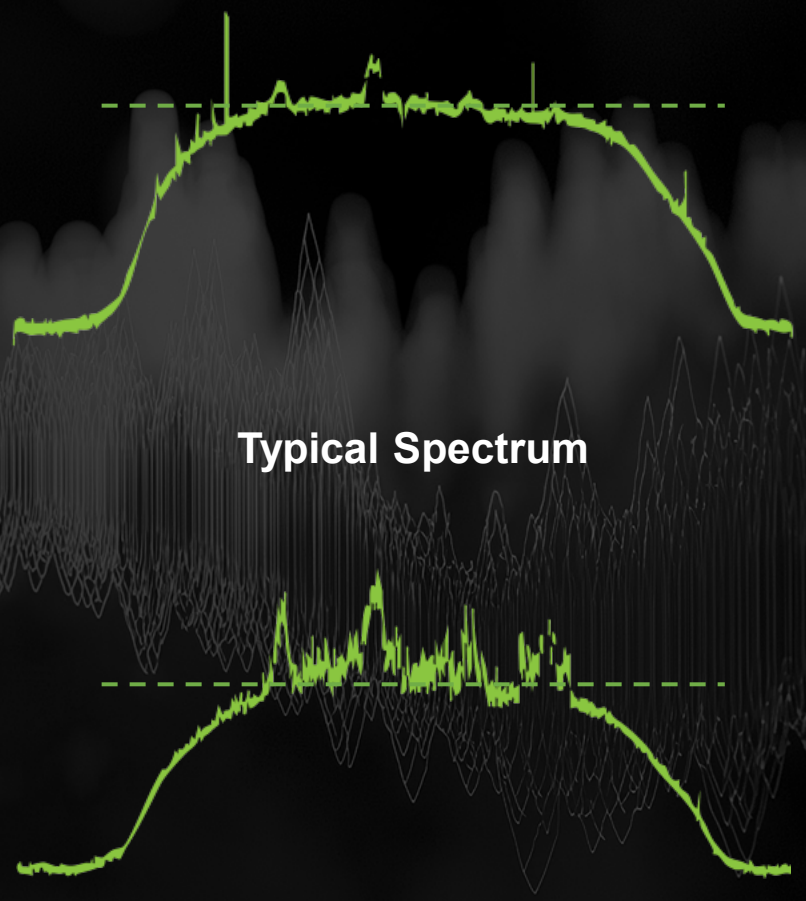
- 130,000x faster than single correlator search

Continuous Jamming and Spoofing detection with Anti-Jamming Module (AJM)

- Patented spoof detection

Jammed and Spoofed signals digitized and omitted from PVT.

With independent tracking, remaining valid signals compute PVT



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PulserOne

A revolutionary upgrade to the field-proven interface and design of JAVAD GNSS smart antennas.

- Modernized connectivity with eSIM for fewer mechanical & cell management issues
- The combined power of GNSS + INS
- Innovative Pulser Lighting System
- J-Shield: Patented anti-spoofing + anti-jamming protection
- Made in the USA

J-SHIELD
Anti-Spoofing + Anti-Jamming

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JAVAD GNSS Advantages

- Technology & IP
- GNSS / INS
- Radios
- Made in the USA
- Global Reach

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