

PNI Sensor's New TRAX2 Module Provides Accurate Orientation in Demanding Conditions

SANTA ROSA, Calif. – June 26, 2019 – PNI Sensor, the world's foremost expert in precision location, motion tracking, and fusion of sensor systems into real-world applications, today announced availability of the new TRAX2 orientation module. TRAX2 is the only orientation module that provides two different modes, attitude and heading reference system (AHRS) or digital compass. This dual-mode capability supports a wide range of applications including drones, robotics and ocean buoys, among others.

TRAX2 incorporates PNI's military-grade magnetic sensors with proven sensor fusion and digital compass algorithms to provide the most accurate heading and orientation, even in demanding conditions, dynamic motion and changes in the local magnetic field.

TRAX2 features include:

- AHRS mode incorporates PNI's 15 state Kalman filter with user-adjustable knobs to optimize the algorithms for specific applications and conditions
- Gyro-stabilized compass for improved dynamic accuracy
- Low latency and no overshoot for quick target acquisition
- Multiple calibration methods to ensure accuracy in a wide range of industrial, scientific, marine and military applications, including Unmanned Aerial Vehicles (UAV), Unmanned Ground Vehicles (UGV) and Unmanned Underwater Vehicles (UUV)

"PNI has more than two decades' experience in military-grade navigation. Our high-performance sensor modules are used for compass, heading and navigation in mission-critical applications ranging from bomb disposal robots to unmanned underwater vehicles for submarine detection," said Robin Stoecker, Director of Marketing at PNI Sensor. "The innovative design of TRAX2 and its dual-mode capability gives designers the ability to fine-tune their devices for specific applications and ensure accurate direction and orientation."

Pricing and Availability

For product specifications, download the [TRAX2 product sheet](#). For pricing and availability, please contact [PNI Sales](#) or your regional PNI representative.

About PNI Sensor

With over 30 years of experience, PNI is the world's foremost expert in precision location, motion tracking, and fusion of sensor systems into real-world applications. PNI's sensors and algorithms serve as the cornerstone of successful IoT projects and other mission-critical applications where pinpoint location, accuracy, and low power consumption are essential. Building on decades of patented sensor and algorithm development, PNI offers the industry's

highest-performance geomagnetic sensor in its class, location and motion coprocessors, high-performance modules, sensor fusion algorithms, and complete sensor systems. To learn more, please visit www.pnicorp.com.

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