



KVH Introduces Affordable Fiber Optic Gyro IMUs for Demanding Applications

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Two New Inertial Measurement Units Leverage the Technology of KVH's High-Performance Fiber Optic Gyros and Complement KVH's IMU Line

MIDDLETOWN, R.I., Sept. 10, 2014 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq:KVHI) has introduced the 1725 Inertial Measurement Unit (IMU) and the 1775 IMU, advanced sensors designed to be integrated into the most demanding stabilization, pointing, and navigation applications. These two new products complement KVH's successful 1750 IMU and create a complete range of choices for advanced 6-degrees-of-freedom (DOF) sensors with enhanced performance. All three products utilize the groundbreaking E•Core® ThinFiber™ technology of KVH's DSP-1750 fiber optic gyro (FOG).

"With these three products, system designers and integrators now have a high performance solution for every application – ranging from manned and unmanned commercial and defense platforms, optical equipment stabilization systems, and pipeline inspection equipment, to autonomous vehicle control and navigation," says Jay Napoli, KVH's vice president of FOG/OEM sales. "This line satisfies the performance, size, and price parameters for IMUs in a way that no competitor can match due to KVH's control over the design and manufacturing process, from creating the fiber to integrating all of the IMU components into the final design. Maintaining complete control of this process, combined with our proprietary technologies, allows KVH to offer a winning combination of innovative solutions, superior quality, and affordable options for nearly every stabilization or guidance application."

The 1725 IMU features a flexible user interface, with user programmable data output rates from 1 to 1000 Hz. It delivers excellent FOG performance and stability at a price comparable to competitive MEMS-based IMUs. The 1725 IMU is ideal for all platforms and navigation or stabilization systems where low cost, high-performance, and high bandwidth are critical for success.

The 1775 IMU is a premium sensor designed to deliver the highest level of performance to meet the demands of platforms requiring superior performance in the most challenging environments. Providing ease of integration for designers of high-level inertial navigation, guidance, or stabilization systems, the 1775 IMU offers a flexible interface with user-programmable data output rates from 1 to 5000 Hz. It includes 3 axes of magnetometers for automatic gyro bias compensation even in the presence of strong magnetic fields. The 1775 IMU is designed for sophisticated systems and applications where very high bandwidth, low latency, and extreme stability are critical.

Like KVH's successful 1750 IMU, which was introduced in 2012, the 1725 IMU and the 1775 IMU incorporate 3 axes of KVH's DSP-1750 FOG, the world's smallest high-performance FOG, integrated with 3 axes of advanced accelerometer technology. All three IMUs provide excellent shock, vibration, and thermal performance, as well as a compact form factor.

KVH is one of the only fiber optic gyro manufacturers to control the entire production process, from creating its own specially designed polarization-maintaining optical fiber to packaging its gyros together in advanced systems for inertial measurement, inertial navigation, and attitude heading reference. As a result, KVH's open-loop fiber optic gyros offer outstanding accuracy and excellent durability at a lower cost than competing systems.

Note to Editors: Please join KVH at the ION GNSS+ conference, Booth A, September 10-12, in Tampa, FL, and be among the first to see the new 1725 IMU and 1775 IMU. Details about the new 1725 IMU and 1750 IMU and all of KVH's fiber optic gyros and advanced sensors and inertial systems are also available at www.kvh.com/1750IMU. High-resolution images of KVH products are available at the KVH Press Room Image Library, <http://www.kvh.com/press-room/image-library>, for download and editorial use.

About KVH Industries, Inc.

KVH Industries is a premier manufacturer of high-performance sensors and integrated inertial systems for defense and commercial guidance and stabilization applications. KVH is also a leading provider of in-motion satellite TV and communications systems, having designed, manufactured, and sold more than 175,000 mobile satellite antennas for applications on vessels, vehicles, and aircraft. KVH is also a leading news, music, and entertainment content provider to many industries. Videotel, a KVH company, is the leader in maritime e-Learning. KVH is based in Middletown, RI, with research, development, and manufacturing operations in Middletown, RI, and Tinley Park, IL. The company's global presence includes offices in Belgium, Brazil, Cyprus, Denmark, Hong Kong, Japan, the Netherlands, Norway, Singapore, and the United Kingdom.

This release may contain certain forward-looking statements that involve risks and uncertainties. Forward-looking statements include, for example, the functionality, characteristics, quality, and performance of KVH's products and technology; anticipated innovation and product development; and customer preferences, requirements and expectations. The actual results could differ materially. Factors that may cause such differences include, among others, those discussed in KVH's most recent Form 10-Q filed with the SEC. KVH does not assume any obligation to update its forward-looking statements to reflect new information or developments.

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CONTACT: Jill Connors
Media & Communications Manager
KVH Industries, Inc.

401-851-3824

jconnors@kvh.com

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