New DSP-1760 Multi-axis Fiber Optic Gyro Offers Improved Performance and Maximum Ease of Integration

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This Highly Versatile Product Allows 1, 2, or 3 Axes of High-Performance FOGs to be Combined in a Single Compact Package to Suit Each Application

MIDDLETOWN, R.I., Oct. 21, 2013 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq:KVHI) is introducing the innovative, multi-axis DSP-1760 fiber optic gyro (FOG) today at the AUSA 2013 Exposition in Washington, DC. The breakthrough design of the DSP-1760, which combines 1, 2, or 3 axes of the world's smallest high-performance FOGs within an easy-to-integrate housing, provides both versatility and compact size. Depending on the application, the best-suited combination of axes is integrated within an environmentally sealed, lightweight enclosure, ensuring reliability and durability for any installation.

One of the many attractive features of the DSP-1760 is that it offers customers a choice of two interfaces, namely a 15-pin Micro-D connector or a 13-pin circular bayonet connector. The dual-interface capability creates a total of six product configurations, with each one aimed at addressing the individual end-user requirements.

"By making the DSP-1760 available in six different configurations, we are providing maximum versatility for the most challenging design projects," says Jay Napoli, KVH's vice president of FOG/OEM sales. "Customers are getting the high performance of the world's smallest precision FOGs and the consistent quality of the optical fiber, which is manufactured by KVH. Other FOG manufacturers can't match that kind of reliability."

The DSP-1760 offers exceptional performance in bias stability, scale factor, and angle random walk. This high-bandwidth, extremely low-noise sensor uses KVH's exclusive 170-micron E•Core ThinFiber, the world's smallest D-shaped optical fiber. By reducing the overall diameter of the fiber to just 170 microns (a 30% reduction from KVH's original E•Core polarization fiber), the resulting E•Core ThinFiber enables a greater length of fiber to be coiled in a fixed-size bobbin, thereby dramatically increasing the accuracy of the gyros.

With the DSP-1760's versatile configurations and its exceptional performance, the product is ideal for a wide range of commercial applications, such as mining automation systems that require highly accurate navigation support; land, sea, or air manned and unmanned platforms; pipeline inspection robots that need sensors for precise location and identification internally to the pipe; and any other hazardous environments where the end-user requires extremely accurate angular data.

In addition, the DSP-1760 integrates magnetic shielding within the gyro housing, providing improved performance in systems with problematic magnetic environments, such as locations where there may be large motors or transformers in operation, or large commercial vehicles with high magnetic signatures.

Visit www.kvh.com/dsp1760comm for detailed product information, and www.kvh.com/1750IMU for information about all KVH FOGs and FOG-based products.

Note to Editors: High-resolution, press-ready images are available at http://press.kvh.com for download and editorial use.

About KVH Industries, Inc.

KVH Industries is a leading manufacturer of solutions that provide global high-speed Internet, television, and voice services via satellite to mobile users at sea, on land, and in the air. KVH is also a premier manufacturer of high-performance sensors and integrated inertial systems for defense and commercial guidance and stabilization applications. The company is based in Middletown, RI, with facilities in Illinois, Denmark, Norway, the U.K., Singapore, the Philippines, and Japan.

This press 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 products and technology; anticipated innovation and product development; and customer preferences, requirements, and expectations. The actual results could differ materially from those expressed in the forward-looking statements. Factors that might cause such differences include, among others, uncertainties and risks associated with the delivery or performance of critical hardware; potential unanticipated technical impediments; unforeseen changes in competing technologies and products; worldwide economic variances; and poor or delayed research and development results. These and other risk factors are discussed in more detail 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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