



KVH Announces New Versions of its DSP-1760 High-performance Single- and Multi-axis Gyros

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The unhusd DSP-1760 is an extremely accurate 1-, 2-, or 3-axis fiber optic gyro (FOG) particularly well-suited for demanding stabilization and pointing applications

MIDDLETOWN, R.I., March 16, 2017 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq:KVHI), has introduced three unhusd variants of its popular high-performance DSP-1760 FOG. The new unhusd DSP-1760 variants offer application engineers and system integrators the ability to more easily install one, two, or three compact FOG axes into higher-level systems, and still obtain the high-performance attributes of the KVH FOGs.

The small, lightweight, unhusd DSP-1760s provide such characteristics as user-selectable data and baud rates, high bandwidth/low latency and low noise, and increased flexibility in mounting and installation – all critical attributes in applications where size, weight, and accuracy are of prime importance. The unhusd DSP-1760s are particularly well-suited to stabilization and pointing systems such as gimbals, for example, which require all of those performance characteristics.

The unhusd DSP-1760s' flexible interface is designed for ease of integration in new applications, as well as upgrades to existing systems. A developer's kit is available for the unhusd DSP-1760s, providing benefits of rapid design and integration; the kit includes the user interface software and all components needed to immediately connect the FOG to a computer to configure, evaluate, and test the unit.

"The unhusd DSP-1760 products allow higher-level system integrators new flexibility to quickly add KVH's high-performance FOGs into purpose-built packages and end-systems," says Roger Ward, KVH's director of FOG product development. "The unhusd DSP-1760s offer extremely high sampling rates and lower latency times, with up to three independent axial rate sensors for today's advanced stabilization and pointing applications. Given their accuracy, the unhusd DSP-1760s can also be used as components within higher-level navigation systems. In selecting gyros for their systems, application engineers and system integrators often have to choose between performance and ease of installation and integration, but with the unhusd DSP-1760 variants, they have products that provide all of these attributes, at an affordable cost."

The DSP-1760 unhusd variants offer exceptional performance in bias stability, scale factor, and angle random walk. The unhusd variants use KVH's exclusive 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-maintaining fiber), the resulting E•Core ThinFiber enables a greater length of fiber to be wound onto a bobbin, thereby increasing the accuracy of the gyros.

"By making the DSP-1760s available as unhusd variants, we are providing maximum versatility for the most challenging designs," says Jay Napoli, KVH's vice president of FOG/OEM sales. "Customers are getting the high performance of the world's smallest precision FOGs, coupled with the flexibility to configure and install one, two, or three axes of FOGs into their systems to achieve the best possible solutions."

In addition to offering the DSP-1760 in nine configurations (six housed and three unhusd), KVH offers an entire line of FOGs and FOG-based inertial systems that are utilized in cutting-edge applications including sensor fusion-based navigation, guidance, stabilization, and positioning solutions. KVH FOGs are in use in production programs for a wide range of commercial applications, including underwater unmanned vehicle navigation, rail/track geometry measurement systems, land-based street mapping platforms, and air, land, and maritime autonomous platforms. KVH FOGs and FOG-based IMUs are also in use in numerous prototype and development programs for autonomous cars.

Note to Editors: For more information about the [DSP-1760](#) and KVH's entire line of FOGs, inertial measurement units, and inertial navigation systems, visit KVH's "[Guiding Intelligent Systems](#)" website, www.kvh.com/unmanned. High-resolution images are available at the [KVH Press Room Image Library](#), www.kvh.com/press-room/image-library.

About KVH Industries, Inc.

KVH Industries, Inc. is a premier manufacturer of high-performance sensors and integrated inertial systems for defense and commercial guidance and stabilization applications, having sold more than 19,000 TACNAV® systems and more than 100,000 fiber optic gyros. KVH is also a leading provider of solutions that bring global high-speed Internet, television, voice services, and content via satellite to mobile users at sea, on land, and in the air. 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, India, Japan, the Netherlands, Norway, the Philippines, Singapore, and the United Kingdom.

This press release contains forward-looking statements that involve risks and uncertainties. For example, forward-looking statements include statements regarding the success of our new initiatives and their impact on revenue, competitive positioning, and the functionality, characteristics, quality, cost and performance of our fiber optic gyro products and technology. The actual results could differ materially from the statements made in this press release. Factors that might cause these differences include, but are not limited to: our ability to successfully implement our new initiatives; continued fluctuations in commercial sales of our guidance and stabilization products, particularly with respect to our fiber optic gyro products and systems; the need for, or delays in, qualification of products to customer or regulatory standards; unanticipated declines or changes in customer demand, due to economic, seasonal, and other factors; unforeseen changes in competing technologies and products; lack of reliable vendors; potential changes in market trends and other developments affecting the buying patterns of end-users of fiber optic gyro products. These and other factors are discussed in more detail in KVH's most recent Form 10-K filed with the SEC. Copies are available through its Investor Relations department and [website](#). KVH does not assume any obligation to update its forward-looking statements to reflect new information and developments.

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