



KVH Revolutionary ThinFiber Technology Results in World's Smallest Precision FOG

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KVH's Super-Compact Fiber Optic Gyro Using New 170 Micron E * Core ThinFiber Offers Groundbreaking Performance Gains With a 5x Improvement in Input Rates and ARW, 8x Improvement in Bias Stability Compared to Existing Fiber Optic Gyros

MIDDLETOWN, R.I., June 28, 2011 (GLOBE NEWSWIRE) -- KVH Industries, Inc. (Nasdaq:KVHI) introduced its new DSP-1750 fiber optic gyro (FOG), the world's smallest high-performance FOG and the first to use KVH's new 170 micron E * Core(R) ThinFiber technology, today at the 2011 Joint Navigation Conference in Colorado Springs, CO. This super-compact commercial FOG offers revolutionary performance levels for a unit its size, including input rates five times faster than KVH's original DSP-1500 FOG and angle random walk (ARW) five times better than the KVH DSP-3000 series. In addition, its bias stability is eight times better than the DSP-3000 series, a level of performance previously only available in larger, more expensive closed-loop fiber optic gyros and ring laser gyros.

"The DSP-1750 is the result of significant breakthroughs in fiber optic gyro technology," explains Jay Napoli, KVH's vice president of FOG/OEM sales. "To create a gyro that was both smaller and more accurate, we invented a thinner optical fiber, made advancements in our patented Digital Signal Processing capabilities, and developed new manufacturing techniques. We've set a new, higher standard in gyro size and performance by leveraging our ability to control the entire product design -- from manufacturing the new E * Core ThinFiber to designing new ways to wind the fiber and build gyro components into a sensor package the diameter of a wristwatch. The DSP-1750 will also be the building block of a new line of compact inertial measurement and navigation systems."

KVH's new FOG offers maximum versatility for system integrators thanks to its single- and dual-axis configurations and optional magnetic shielding. Featuring a flexible design in which the optical sensor is separate from the control electronics, the DSP-1750 is composed of an optical sensor 1.7" in diameter connected to power and processing electronics via a robust interlocking tether for easy integration into a broad range of applications.

"Its innovative two-piece design makes the DSP-1750 easy to integrate into platforms where space and payload weight are at a premium while improving accuracy at the same time," says Napoli. "As a result, the DSP-1750 is an ideal, affordable solution for a broad range of mobile applications, including precision stabilization, pointing, and navigation applications in which low noise and high performance across the entire range of operating temperatures are critical. Among these are gimbals, optical/antenna stabilization, long-range optical and sensor systems, payloads for UAVs, and weapon and commercial equipment stabilization."

KVH is the only fiber optic gyro manufacturer in the world that controls the entire production process, from creating its own specially designed 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 thanks to innovations in several key fields, including proprietary D-shaped optical fiber with an elliptical core, innovative optical circuit design, component fabrication, and system integration, and patented digital signal processing for improved performance. In addition to being lightweight and rugged, KVH's FOGs provide angular rotation data without any moving parts. This significantly improves the life span of the device and makes it highly resistant to vibration.

Visit www.kvh.com/newdsp1750 for detailed product information and www.fiberopticyro.com to take a virtual tour of the KVH fiber optic gyro factory or to find more information about KVH Industries and its FOGs and FOG-based systems.

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, and Singapore.

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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