



## **KVH Introduces DSP-4000 Fiber Optic Gyro**

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*New, Rugged FOG Offers Low-cost, High-performance Alternative for Military Gun Turret Stabilization Applications*

KVH Industries, Inc., (Nasdaq: KVHI) added a new level of rugged performance to its fiber optic gyro (FOG) family with the introduction of its DSP-4000 series FOGs. Based on KVH's patented Digital Signal Processing (DSP) technology and designed to demanding military standards, the DSP-4000 series is available in both single- and dual-axis configurations specifically designed to provide the military with a high-performance, low-cost successor to mechanical gyros.

"Designed and tested to rigorous military standards, the rugged DSP-4000 series offers the military the next generation of gun and turret stabilization technology as well as dynamic pointing capabilities," remarked Dan Conway, KVH's vice president for business development. "We are building on the success of our DSP technology to expand the versatility and capabilities of our fiber optic product line. Doing so enables us to pursue the expanding market for stabilization applications."

The DSP-4000 series' all-fiber design ensures high reliability, superior performance, and exceptional vibration, shock, and acceleration survivability. It also features analog and digital outputs, low noise, high bandwidth, improved bias stability, and excellent resolution, making it the optimal mechanical gyro alternative. At the same time, it delivers superior stabilization and tracking capabilities for turret, antenna, and optical stabilization systems. The DSP-4000 series is also insensitive to cross-axis motion and inertia, unlike mechanical gyros. Its high bandwidth and low noise make it particularly suitable for armored vehicle gun stabilization. With no moving parts to maintain or replace, the DSP-4000 series lasts longer than its mechanical predecessors, performs better, and yields a significantly lower lifetime cost.

KVH's DSP electronics improve performance in such critical areas as scale factor and bias versus temperature, scale factor linearity, turn-on to turn-on repeatability, and maximum input rate. The breakthrough DSP design (covered by multiple patents, including U.S. Patent #6,429,939, "DSP Signal Processing for Open Loop Fiber Optic Sensors") overcomes the limitations of analog signal processing, virtually eliminating temperature-sensitive drift and rotation errors.

KVH FOGs are used in diverse applications including inertial measurement units for torpedoes, precision tactical navigation systems for military vehicles, and image stabilization and synchronization for shoulder- or tripod-mounted weapon simulators. Platforms that depend on KVH FOGs include the U.S. Army Ground Prophet next-generation signal intelligence vehicle; the Javelin, Stinger, and ITAS weapons training simulators; stabilization systems for naval radar and missile defense systems, among others.

Complete details regarding KVH's family of fiber optic products are available at <http://www.kvh.com/FiberOpt/>.

Note to Editors: A high-resolution image of the DSP-4000 fiber optic gyro is available for download and editorial use at <http://www.kvh.com/Press>.

KVH Industries, Inc., designs and manufactures products that enable mobile communication, navigation, and precision pointing through the use of its proprietary mobile satellite antenna and fiber optic technologies. The company is developing next-generation systems with greater precision, durability, and versatility for communications, navigation, and industrial applications. An ISO 9001-certified company, KVH has headquarters in Middletown, Rhode Island, with a fiber optic and military navigation product manufacturing facility in Tinley Park, Illinois, and a European sales, marketing, and support office in Kokkedal, Denmark.

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. Factors that may cause such differences include, among others, those discussed in KVH's most recent Form 10-Q filed with the SEC. KVH assumes no obligation to update its forward-looking statements to reflect new information or developments.

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