



## **New KVH Series 1750 IMU Offers Breakthrough Performance in Ultra Compact Form Factor**

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### **New Inertial Measurement Unit Incorporates 3 Axes of KVH's DSP-1750, the World's Smallest Fiber Optic Gyro, With Advanced Accelerometer Technology**

MIDDLETOWN, R.I., June 6, 2012 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq:KVHI) introduces the new Series 1750 Inertial Measurement Unit (IMU), an advanced 6-degrees-of-freedom sensor (DOF) designed to integrate easily into the most demanding stabilization, pointing, and navigation applications, enhancing performance at a lower cost than competing systems. The Series 1750 IMU marries the groundbreaking E•Core® ThinFiber™ technology of KVH's DSP-1750 fiber optic gyro (FOG) with very low noise, solid state MEMS accelerometers to create a commercial-off-the-shelf IMU. The Series 1750 IMU offers exceptional precision in a very small form factor, making it ideal for applications where space is limited, such as unmanned and autonomous systems.

"System designers and integrators have been requesting a convenient, compact solution for applications ranging from stabilization and pointing of high-speed gimbals, cameras, and lasers to autonomous vehicle control and navigation," explains Jay Napoli, KVH's vice president of FOG/OEM sales. "We've developed an IMU that is less costly and offers better performance than competing systems, while also offering an industry standard RS-422 interface along with user programmable data outputs, making it very easy to integrate into new or existing applications. The Series 1750 IMU is the new flagship in a planned series of small, advanced navigation and stabilization system sensor products based on the DSP-1750 FOG and KVH's ThinFiber technology."

KVH's new Series 1750 IMU provides highly accurate 6DOF angular rate and acceleration data. It delivers excellent bias stability (<0.05degrees/hr), in a cylindrical package that measures only 3.5" in diameter x 2.9" high (89 mm diameter x 74 mm high). The module weighs less than 1.4 lbs. (<0.6 kg). The compact package and mounting features enable easy drop-in replacement to both enhance performance and reduce cost in retrofit applications.

"The Series 1750 IMU offers the excellent performance, small form factor, and reliability that KVH has built its reputation on," explains Napoli. "These benefits, including outstanding shock, vibration, and thermal performance, come from KVH's complete control over the design and manufacturing process, from creating the fiber to integrating the subsystems into the final housing. 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 any stabilization application."

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. In addition to being lightweight and rugged, the Series 1750 IMU has no moving parts. This significantly improves the life span of the device and makes it highly resistant to the effects of vibration.

Please join KVH at Eurosatory or the Joint Navigation Conference to be one of the first to see the new Series 1750 IMU in person! You'll find the KVH team at Eurosatory in Hall 5, Booth #G749 from June 11-15, 2012, and at the Joint Navigation Conference in Booth #23B from June 12-15, 2012. Details about the new Series 1750 IMU and all of KVH's fiber optic gyros and advanced sensors and inertial systems are also available at [www.kvh.com/1750IMU](http://www.kvh.com/1750IMU).

Note to Editors: High-resolution, press-ready images of KVH's guidance and stabilization solutions 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 annual report on Form 10-K 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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