FOR IMMEDIATE RELEASE

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Ophir Photonics Introduces BeamTrack 3A-QUAD, High Sensitivity, High Accuracy Laser Power/Energy/Position Sensor

December 5, 2011 – Logan, Utah – Ophir Photonics, global leader in precision laser measurement equipment and a Newport Corporation brand, today announced the **BeamTrack 3A-QUAD**, the first high sensitivity thermal detector to combine multiple functions – power, energy, position – in a single, compact laser sensor. The 3A-QUAD accurately measures power from 100µW to 3W and energy from 20µJ to 2J. In addition, the sensor accurately tracks beam position down to 0.1mm. This provides increased measurement accuracy for high sensitivity applications where it can be difficult to center laser beams on sensors with small apertures and recessed surfaces. The integrated beam position measurement function also allows tracking of beam wander as the beam drifts from its initial position.

"The 3A-QUAD is designed to solve one of the biggest challenges in working with high sensitivity laser sensors like Ophir's 3A detector – centering the laser beam for accurate measurement," stated Ephraim Greenfield, CTO, Ophir Pho-

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tonics. “The 3A sensor’s small, 9.5mm aperture and recessed absorber surface make it difficult to center the beam. If the beam is not centered, the measurement is likely to be inaccurate. The 3A-QUAD solves this by allowing you to easily center the beam to within tenths of a mm, providing unprecedented measurement accuracy.”

The **3A-QUAD** is part of the **BeamTrack** series of sensors, the only laser detectors able to measure power, energy, position — and for some models, size — in a single, compact device. The 3A-QUAD has a small 9.5mm aperture and measures a broad spectral range, from 190nm to 20µm. BeamTrack sensors divide the sensor signal into quadrants, measuring and comparing the output to determine the position of the center of the beam to a high degree of accuracy. This quantitative measure of beam position provides the ability to track beam wander.

The **3A-QUAD** sensor operates with Ophir’s **Nova II** and **Vega** smart displays, and **Juno** PC interface. Each display features a “Smart Connector” interface that automatically configures and calibrates the display when plugged into one of the company’s measurement heads.

Pricing and Availability

The **BeamTrack 3A-QUAD** laser sensors are available now. OEM pricing is available on request. The data sheet can be viewed at
http://www.ophiropt.com/laser/pdf/3A-QUAD_3A-P-QUAD_10A-PPS.pdf

About Ophir Photonics

With over 30 years of experience, Ophir Photonics, a Newport Corporation brand, provides a complete line of instrumentation including power and energy meters, beam profilers, spectrum analyzers, and goniometric radiometers. Dedicated to continuous innovation in laser measurement, the company holds a number of patents, including Ophir-Spiricon’s **Ultracal™**, the baseline correction algorithm that helped establish the ISO 11146-3 standard for beam measurement accuracy. The Photon family of products includes **NanoScan** scanning-slit technology, which is capable of measuring beam size and position to sub-micron resolution. The company’s modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit http://www.ophiropt.com/photonics

About Newport Corporation

Newport Corporation (http://www.newport.com) is a leading global supplier of advanced-technology products and systems to customers in the scientific research, microelectronics manufacturing, aerospace and defense/security, life and health sciences and precision industrial manufacturing markets. Newport's innovative solutions leverage its expertise in high-power semiconductor, solid-state and ultrafast lasers, photonics instrumentation, sub-micron positioning systems, vibration isolation, optical subsystems and precision automation to enhance the capabilities and productivity of its customers' manufacturing, engineering and research applications. Newport is part of the Standard & Poor's SmallCap 600 Index and the Russell Microcap Index.

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