

# NEWS RELEASE

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*For Immediate Release*

## Sierra-Olympic Offers WDR Shortwave IR Camera Systems

**HOOD RIVER, OR – June 14, 2016 – Sierra-Olympic Technologies**, supplier of infrared (IR) and thermal imaging components, cameras, and systems solutions for advanced IR imaging applications, now offers New Imaging Technologies' (NIT) wide-dynamic-range (WDR), indium gallium arsenide (InGaAs) shortwave infrared (SWIR) sensors and camera systems. The new SWIR imaging product family delivers a dynamic range greater than 140dB in a single snapshot, without any processing or tone mapping. Ideal for biomedical, laser measurements, welding, semiconductor, art inspection, and process control, the NIT WDR sensors' internal Fixed Pattern Noise correction offers high uniformity images under all lighting conditions.



The new InGaAs photodiode array features a patented readout integrated circuit (ROIC). Available in 640 x 512 (with 15-micron pitch) or 320 x 256 (with 25-micron pitch) pixel resolution; both operate in the SWIR spectrum from 900 nm up to 1700 nm with high quantum efficiency. Power consumption is less than 1.5W. By design, the proprietary NIT ROIC has proven to be highly functional for fast, triggered imaging applications such as range-gated imaging and synchronous illuminated imaging.

NIT's SWIR 640 and 320 camera modules offer digital video outputs in USB2.0 or Camera Link<sup>®</sup> formats. Analog NTSC/PAL video is available on the Smart version cameras. The SWIR family of cameras with wide dynamic range is delivered calibrated, with software and cables in shock-proof cases. The cameras are easily exported under EAR. For more information on NIT's WDR InGaAs-SWIR products, please visit: <http://www.sierraolympic.com/products/ingaas-swir/nit-swir/>. To learn more about Sierra-Olympic Technologies' wide array of advanced infrared imaging systems and solutions, please visit: [www.sierraolympic.com](http://www.sierraolympic.com).

**Sierra-Olympic Technologies, Inc. (Hood River, Oregon [www.sierraolympic.com](http://www.sierraolympic.com)),** experts in thermal imaging technology, provides cameras, components, and systems solutions for infrared camera users and integrators. Sierra-Olympic partners with industry-leading manufacturers to offer complete solutions for SWIR, MWIR, and LWIR imaging applications. The company offers numerous products for online purchase and immediate shipment. Products include LWIR OEM imaging cores, cooled cameras for science and industry, cooled cameras for OEM customers, SWIR cameras, and thermography systems for temperature-measurement applications.

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