



FOR IMMEDIATE RELEASE

For more information contact:

Sales Inquiries: sales@us.ophiropt.com

Gary Wagner, General Manager, Ophir Photonics (U.S.)

gary.wagner@us.ophiropt.com

Shari Worthington, PR Counsel, Telesian Technology, sharilee@telesian.com

Ophir-Spiricon's BeamGage® Laser Beam Profiling System Adds High Speed, High Resolution Camera for Large Beams

EDITORS: High resolution images are available for download at <http://www.telesian.com/marketing/vpr/os/os021915-01.cfm>

February 16, 2015 – North Logan, UT – Ophir Photonics Group, the global leader in precision laser measurement equipment and a Newport Corporation company, today announced the addition of a new high speed, high resolution, large array CCD camera to the **BeamGage®** family of laser beam profiling systems. The **LT665 USB 3.0 Large Array Beam Profiling Camera** is designed for applications where high speed, high sensitivity, and high resolution are critical, including ophthalmology, high-speed inspection, machine vision, and NIR applications. The camera features a fast USB 3.0 interface that delivers 6 megapixels (MP) at up to 27 frames per second (fps). The large, 1-inch format provides an active area with 4.5µm square pixels (2752 x 2192 array), far better resolution than competing CMOS cameras. The CCD array is built with



lower noise electronics and a unique thermal management technology that delivers a more stable background; this results in more consistently accurate results.

The **LT665 USB 3.0 Large Array Beam Profiling Camera** works with **BeamGage**, state-of-the-art beam profiling software that performs extensive data acquisition and analysis of laser beams, such as beam size, shape, uniformity, divergence, mode content, and expected power distribution. BeamGage includes all the algorithms and calculations needed to make accurate, ISO approved laser beam measurements. It provides 2D and 3D viewing, advanced image processing features, NIST traceable power measurements, and multilingual support. The software is optimized for analyzing different beams or sources of light (e.g. LEDs, optic fibers, etc.), and for heavy computations, such as measuring multiple beam profiles, comparing key statistics, and real-time 3D viewing.

“BeamGage and the LT665 large format camera are designed for high speed, high sensitivity applications that require fast delivery of large images, such as complex machine vision tasks,” stated Gary Wagner, General Manager, Ophir Photonics (U.S.). “The USB 3.0 interface delivers the highest speed data transfer rates on the market, 6MP at up to 27fps at full resolution. And the 128MB onboard frame buffer allows streaming of high resolution images while simultaneously executing complex beam analysis algorithms.”

The **LT665 USB 3.0 Large Array Beam Profiling Camera** is a compact, lightweight, robust camera measuring 43 x 43 x 65mm. It easily integrates into tight spaces. The camera works in conjunction with BeamGage Professional or BeamGage Enterprise software. **BeamGage Professional** features a comprehensive set of beam analysis algorithms, **BeamMaker®** beam simulator, partitioning of the camera output for separate analysis of multiple laser beams from sources such as fiber, a .NET interface for full remote control when integrating beam analysis into an automated application, and camera sharing. **BeamGage Enterprise** adds support for high-speed, networked cameras, including GigE, Gigabit Ethernet.

Availability

The **LT665 USB 3.0 Large Array Beam Profiling Camera** is available now. OEM pricing available on request.

LT665 data sheet: <http://ow.ly/J1atu>

BeamGage data sheet: <http://ow.ly/J1aHl>

About Ophir Photonics

With over 35 years of experience, Ophir Photonics, a Newport Corporation company, 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 the R&D 100 award-winning **BeamTrack** power/position/size meters; **BeamWatch**®, the industry's first non-contact, focus spot size and position monitor for lasers in material processing; and 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 is **ISO/IEC 17025:2005** accredited for calibration of laser measurement instruments. Their modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. For more information, visit <http://www.ophiropt.com/photonics>

###

Sales Inquiries: sales@us.ophiropt.com

For more information, contact:

Gary Wagner, General Manager
Ophir Photonics (U.S.)
3050 North 300 West
North Logan, UT 84341
Tel: 435-753-3729
E-mail: gary.wagner@us.ophiropt.com
Web: <http://www.ophiropt.com/photonics>

PR Office:

Shari Worthington
Telesian Technology
49 Midgley Lane
Worcester, MA 01604
Tel: 508-755-5242
E-mail: sharilee@telesian.com

© 2015. BeamGage and BeamWatch are registered trademarks and Pyrocam, BeamMic, BeamTrack, NanoScan, and Ultracal are trademarks of Ophir-Spiricon. All other trademarks are the registered property of their respective owners.