



FOR IMMEDIATE RELEASE

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Ophir-Spiricon Inc. Introduces Highest Accuracy USB CCD Cameras Designed Specifically for Laser Beam Profiling

**New Easy to Use, USB 2.0 Beam Profiling Cameras
Capture Up to 1.9 Million Pixels**

EDITORS: High resolution images are available for download
at <http://www.telesian.com/marketing/vpr/os/os031808-01.cfm>

March 18, 2008 – Logan, UT – Ophir-Spiricon, the global leader in precision laser measurement equipment, today announced two new **USB 2.0 Silicon CCD Cameras** designed specifically for laser beam measurement applications. The **SP503U** and **SP620U** cameras accurately capture and analyze wavelengths from 190nm – 1550nm, both continuous wave (CW) and pulsed mode. Gain control is either automatic or manual, accommodating the widest range of input levels. The cameras feature the highest dynamic range in the industry, up to 64dB, and a programmable, high-speed electronic shutter. Both cameras also include a photodiode synch to capture scattered laser light at even the most challenging nanosecond pulse rates.

The new beam profiling cameras include the easy to setup, easy to use USB 2.0 interface. They are available in two, ultra-slim versions: the **SP503U** has a resolution of 640 x 480 pixels, and the **SP620U** has a resolution of 1600 x 1200 pixels, **over 1.9 million pixels**, the highest in the industry. Both cameras include a set of filters that allow for effortless measurement of power levels,

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from microwatts to watts, when used in combination with the automatic shutter and gain control. The cameras also include the industry's most advanced beam analysis software, Ophir-Spiricon's **LBA** or **BeamStar**, and multiple mounting options to fit any laser measurement application.

"The new Spiricon SP series beam profile cameras are the first CCD cameras designed from the ground up for beam profiling," stated Ephraim Greenfield, VP Engineering, Laser Measurement Group, Ophir-Spiricon, Inc. "The SP503U and SP620U models have an ultra-thin profile, wide dynamic range, unparalleled signal to noise ratio, and built-in pre-triggering circuitry that makes them ideal for measuring CW and pulsed laser profiles. With photodiode trigger and pre-trigger circuitry, the cameras synch effortlessly with even nanosecond pulse lasers. Ophir will continue to push for innovations like these that help laser users capture the most brilliant, high resolution beams possible."

Beam Measurement Software

The **SP503U** and **SP620U** USB CCD cameras are supported by the industry's most advanced beam analysis software. Users have a choice between Ophir-Spiricon's LBA or BeamStar software packages.

LBA software contains all the algorithms and calculations necessary to make the most accurate measurements, as well as an ActiveX® interface to extract data into other applications, 2D and 3D viewing, reference subtraction, user-customized apertures and color palettes, and Z-axis scaling.

BeamStar is an easy-to-use beam analysis software package that provides a single interface to a wide range of measurement options. BeamStar includes power measurements, beam width, 2D Top Hat and 2D Gaussian measurements, Beam Wander measurement and logging, M2 measurements, simultaneous 2D and 3D displays, and effortless report generation.

Pricing and Availability

The **SP503U** and **SP620U** USB 2.0 CCD cameras are available now. Both cameras include either LBA or BeamStar, Ophir-Spiricon's laser beam analysis software. OEM pricing is provided on request.

About Ophir-Spiricon

Established in 1978, Ophir-Spiricon is part of the Ophir Optronics Laser Measurement Group.

The Laser Measurement Group provides a complete line of instrumentation including power and energy meters, beam profilers and spectrum analyzers. Wholly-focused on laser measurement, the group's modular, customizable solutions serve manufacturing, medical, military, and research industries throughout the world. An unwavering commitment to forward thinking helps keep us "the partner of choice." For more information, visit <http://www.ophir-spiricon.com>.

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