

PRESS RELEASE
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For Immediate Release

The First Ever USB 3.0 Beam Profiling Camera

Quebec City, CANADA – March 4th, 2013 – Gentec Electro-Optics, Inc. (Quebec City, Canada), is proud to launch the **Beamage 3.0**, the very first **USB 3.0 camera** dedicated to Laser Beam Profiling. This new **CMOS-based** camera comes with a completely redesigned software that features both a highly intuitive user interface and powerful data analysis tools.

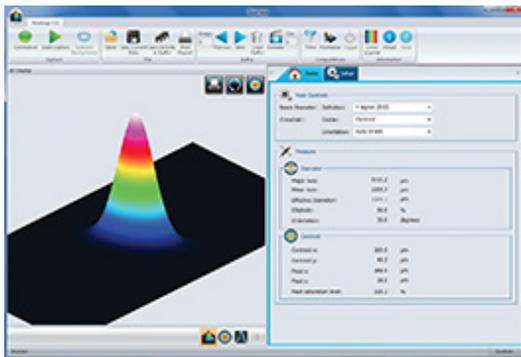


The USB 3.0 Advantage

The USB 3.0 interface of the new Beamage 3.0 camera features a data transfer rate up to **10X faster** than any USB 2.0 system. This incredible speed allows for much faster data transfer rates, up to 10 fps at 1 MPixels. USB 3.0 also features an improved communication architecture that reduces both data transmission latency and power consumption.

Perfect for Both Small and Large Beams

Thanks to its unique combination of **high pixel density** (2.2 MPixels) and **large sensor size** (11.3 x 6.0 mm), the Beamage 3.0 has the double advantage of accurately characterising both very small beams of only a few tens of microns to larger beams of several mm in width, thus effectively covering most of the applications in one device.



Simple but Effective

The completely redesigned software takes full advantage of today's best development tools. The simple interface is **highly intuitive** and yet comprises **many useful functions**, like Background Subtraction, Animation Tool, Signal Normalization, Filtering and Averaging Functions, External Triggering, Active Area Definition, Gaussian Fit and more. Furthermore, the calculations done by the software are **ISO 11146:2004, 11146:2005 and 13694-2000 compliant** and give the user the most accurate beam characterization

available, all this in a lightweight environment that doesn't take days to fully master.

The Final Argument

And if all this wasn't enough, the Beamage 3.0 will be offered at a **very attractive price**, much lower than comparable camera-based profiling systems on the market. The Beamage 3.0 is expected to launch in April 2013 but orders can be placed now by contacting your local Gentec-EO representative.



Main Specifications

CAMERA

Wavelength Range	350 - 1150 nm
Sensor Technology	CMOS
Effective Aperture	11.3 x 6.0 mm
Pixel Count	2.2 MPixels
H x V	2048 x 1088
Pixel Dimension	5.5 x 5.5 μm
Shutter Type	Global

SOFTWARE

Displays	2D, 3D and XY
Display Features	2D: Print Screen, Reset View, Show/Hide Beam Diameter 3D: Print Screen, Reset View, Top View XY: Save Data, Zoom, Gaussian Fit, Semi-Log, Show/Hide Cursor, Show/Hide FWHM, Show/Hide $1/e^2$
Beam Diameter Definitions	D4σ (ISO compliant) $1/e^2$ along crosshairs (13.5%) FWHM along crosshairs (50%) 86% effective diameter (D86)
Buffer Controls	Open File, Save Current Data, Save All Data, Previous/Next Image, Clear Buffer, Animate
Printing and Reports	Print Full Report (2D, 3D, XY, Measures, Parameters) Print Screens in BMP (2D and 3D)

About Gentec Electro-Optics

Located in Quebec City, Canada, Gentec Electro-Optics is a leader in the laser measurement field with 40 years of experience. In 2000, Gentec Electro-Optics, Inc. was formed from Gentec, Inc. so that the focus was entirely on laser measurement. The company now manufactures a complete range of laser power and energy meters, beam diagnostics and diffractive optics. Since the acquisition of Spectrum Detector in June 2010, they have added many products to the range, including high speed 130 kHz joulemeters and a unique industry leading line of THz sensors and instruments. Gentec Electro-Optics is also known as the first worldwide supplier of large aperture calorimeters to measure the highest pulse energies. Their products are sold around the world, with distributors and representatives in over 35 countries.

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