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Lumenera Corporation Donates Research-Grade Microscope Cameras to Local Ottawa High Schools

Lumenera's microscopy camera donation will enhance science classroom learning experience

Ottawa, Ontario – August 23, 2016 – Ottawa-Based Lumenera Corporation, a global leader in the development and manufacturing of high performance digital cameras and custom imaging solutions, announced today that they have donated forty-eight of their high performance research-grade microscopy cameras to be used as a teaching tool in science classrooms across the city of Ottawa. Lumenera donated a camera to every high school in the Ottawa area, within the Ottawa Carleton District School Board (OCDSB), Ottawa Catholic School Board (OCSB), and the French Public School Board of Eastern Ontario (CEPEO) — the community in which they operate and proudly support.

Lumenera worked with science programs and curriculum advisors from each of the school boards to facilitate the delivery and installation of the cameras, and hosted training sessions for the teachers to become familiar with the cameras and imaging software. High school students across the city of Ottawa heading back to school this fall will find their science department newly equipped with one of Lumenera's research-grade INFINITY digital cameras.

The cameras will create a collaborative learning environment, facilitating discussions between the students and their teachers as they study specimens at the same time on a monitor or projector, rather than taking turns looking down the eye piece of a microscope. The camera will enable students to capture images of their scientific experiments and investigations utilizing a high-end imaging solution that is found in post-secondary institutions and professional research laboratories worldwide.

"We are very grateful to Lumenera, for providing high quality research-grade tools for our secondary students to use. All of our students participate in hands-on scientific inquiry with microscopes, and these new digital cameras will greatly extend their learning," said Christine Adam-Carr, the Coordinator of the Student Success Department at the Ottawa Catholic School Board. "While students often capture microscope images using cell phones, this camera provides far better resolution, along with access to software to further adjust and save the images captured. Many of our students also study health technologies, as part of their [Specialist High Skills Major](#) program, and will further benefit from using these high-tech cameras. This will provide wonderful enrichment opportunities, while also preparing our students for further post-secondary studies."

Locally, the University of Ottawa's state-of-the-art laboratory facilities within the Biosciences Complex also utilizes hundreds of Lumenera's INFINITY microscopy cameras in its teaching labs. These cameras allow for a more interactive experience for students who can capture pictures of their specimens and hold discussions with lab instructors about what they are seeing on the screen. Lumenera hopes that the addition of cameras in high schools will cultivate an early passion

for science and inspire students to further explore the wonder of what can be learned using a microscope and camera as tools. Ottawa high school students will now be getting an early start using the advanced research-grade equipment that they will encounter in the labs of post-secondary institutions if they choose to pursue further education in life sciences and environmental science disciplines.

“We are proud to support our local community by putting a Lumenera microscopy camera in science classrooms throughout the city of Ottawa,” says Huw Leahy, President of Lumenera. “By giving the students access to research-grade equipment that they would encounter in post-secondary institutions and research labs, we hope to foster a passion for science and inspire them at an early age to consider a career in the field.”

The forty-eight cameras donated include the INFINITYHD and the INFINITY1-2 camera models, which are used worldwide for image capture and analysis in a wide variety of science related applications. The INFINITYHD camera connects directly into a monitor or projector via an HDMI cable without the need for a computer, which will stream the image or live video to the teaching monitor in full 1080p60 high definition format. The INFINITY1-2 connects to a computer via an easy plug-and-play USB 2.0 interface, and comes with software that will allow the students to learn how to use advanced image analysis features that would be available in a professional lab setting; such as how to annotate their images, take accurate measurements, and perform post processing on their images.

About Lumenera: Lumenera Corporation, headquartered in Ottawa, Canada, is a leading developer and manufacturer of high performance digital cameras and custom imaging solutions. Lumenera cameras are used worldwide in a diverse range of scientific, industrial, security and astronomy applications.

Lumenera's INFINITY cameras include CMOS, CCD, Full HD, Research-Grade, Cooled, Large Format and Pixel Shifting technologies, are compatible with any camera with a c-mount, and come with easy to use feature rich software for life science, clinical and industrial applications.

For further information about Lumenera, please visit www.lumenera.com or call 613-736-4077. To receive Lumenera press releases as they are issued, contact us at marketing@lumenera.com.

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