

University of California NRI Microscopy Facility Relies on Lumenera's Cooled Microscopy Cameras

NRI-MCDB Microscopy Facility in need of Innovative, Flexible imaging Solution Chose Lumenera's INFINITY Cameras

The University of California, located in Santa Barbara, required new cameras for its NRI-MCDB Microscopy Facility. This highly regarded academic and research institution was challenged with finding a well-priced, research-grade microscopy imaging solution, sensitive enough to handle a wide range of applications with low light conditions, yet simple enough for students to use.

The NRI-MCDB Microscopy Facility is the primary fluorescent imaging facility on campus. With more than 150 facility users, the school needed to upgrade their Olympus BX51 microscopes with mounted cameras that could interface with modern computers. Additionally, the wide variety of camera uses, and great differences in the level of camera operator experience meant that the software component also had to be easy to use. Usability was just as critical as the sensitivity of the camera.

As the cameras were to be used in research, workshops and laboratories, they required an affordable, research-grade solution that was easy-to-use. Furthermore, they had to be well suited for transmitted light and fluorescence microscopy.

INFINITY Cameras Offer Both High Quality Images and Ease-of-Use

Lumenera's cooled INFINITY3 mono and INFINITY3 color microscopy cameras along with the INFINITY ANALYZE and INFINITY CAPTURE software were chosen by The University of California.



The University of California, Santa Barbara, CA

Highlights

- Lumenera's cooled INFINITY3 mono and INFINITY3 color microscopy cameras were chosen by The University of California for the NRI-MCDB Microscopy Facility.
- These megapixel cameras offered NIR and the high dynamic range required for challenging low light conditions such as fluorescent imaging applications.
- Lumenera's INFINITY3 cameras are known for superior color reproduction and high sensitivity.



Lumenera's cooled cameras are known for superior color reproduction and high sensitivity. These megapixel cameras, cooled to 25 degrees Celcius below ambient, offered NIR imaging and the high dynamic range required for challenging low light conditions such as fluorescent imaging applications.

University of California Upgrades NRI Facility with Lumenera's Imaging Solution

Lumenera's cameras were selected for the following features and advantages:

Easy-to-Use: The user friendly INFINITY software packages and ease of integration allow for quick plug-and-play installation of the USB 2.0 cameras.

Superior Image Quality and Color Reproduction: NRI had both color and gray scale imaging needs. Lumenera's INFINITY3 was selected for its high quality images and sensitivity for low light conditions.

Software Solution: Including both INFINITY ANALYZE and INFINITY CAPTURE provides a complete imaging solution that is both flexibility and easy to use.

Customer Support: Lumenera is committed to working hand-in-hand with its customers to find the solution that best meets their needs, through innovative new products and continuous world class support.

Thermoelectric Cooling: Cooled models are ideal in low-light conditions and where high dynamic range is required.



Lumenera's INFINITY3

About Lumenera

Lumenera Corporation, a division of Roper Technologies, 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 industrial, scientific and security applications.

Lumenera solutions provide unique combinations of speed, resolution and sensitivity in order to satisfy the most demanding digital imaging requirements. Lumenera customers achieve the benefit of superior price to performance ratios and faster time to market with the company's commitment to high quality, cost effective product solutions.

For further information about Lumenera, please visit www.lumenera.com or call 613-736-4077.

