NEWS RELEASE
Embargo: February 09, 2009
For Worldwide Release

PHOTOMETRICS® LAUNCHES EVOLVE™ "INTELLIGENT" EMCCD CAMERA

Innovative Imaging Solution Promises to Revolutionize how Researchers View and Evaluate Scientific Data

TUCSON, AZ, February 09, 2009 — Photometrics® is pleased to announce the introduction of the Evolve™ EMCCD camera, an intelligent bio-imaging technology destined to change the way life science researchers conduct experiments, measure results, and report study outcomes. Research facilities, principal investigators, and the greater science community will benefit from this enhanced quantitative imaging tool, remarkably, the smallest and most powerful EMCCD camera on the market.

Today, scientific research, workflow, and reporting are often hindered by conflicting data and inconsistent data measurement — resulting in delays, loss of funding, and disputable study outcomes. With the introduction of Photometrics' Evolve camera, researchers can now attain the purest measurement of a scientific image – truly quantifiable data that can be reported and published with complete confidence.

"Our new Evolve camera's revolutionary features permit researchers to acquire and see images from a camera in a way that has never before been possible," notes Deepak Sharma, Ph.D., Photometrics' Camera Product Manager. "This sophisticated functionality enhances the quantitative nature of the camera by providing pixel data in electrons, resulting in more accurate and reproducible data."

Historically, scientific-grade CCD cameras provided data to researchers in arbitrary imaging units, making it time consuming and challenging to duplicate or reproduce study results. Among the Evolve camera's most significant breakthroughs is its proprietary Quant-View ™ feature, which allows the camera to read out pixel values in terms of electrons, providing a repeatable methodology to data gathering and interpretation. By using Evolve in Quant-View mode, investigators can ensure their experiments are well controlled and consistent, day after day, year after year. Such improvements in data quality and consistency will enable more rapid interpretation of new and novel findings and enhance the speed of scientific discovery.

In addition to QuantView, the Evolve offers the most sophisticated feature set available for true quantitative, low-light-level situations. One of these features is Evolve's Top-Lock™ and Black-Lock™ complementary intensity filtering tools. Top-Lock and Black-Lock provide researchers the means to narrow visualization to the intensity range of the image features that they're investigating. Another feature, Background Event Reduction Technology™ (BERT) enables researchers to identify the pixels that are most likely to contain spurious event data and corrects that data, if desired. The camera's Rapid-Cal™ feature provides the most accurate and

fast EM calibration technique in the industry, taking only 3 minutes from start to finish. Unlike other cameras, the Evolve requires no special attachments, nor does it need to be detached from the microscope, truly simplifying the calibration process.

This advanced set of features makes the camera ideally suited to life science applications, including Photo-Activated Localization Microscopy (PALM), Stochastic Optical Reconstruction Microscopy (STORM), spinning disk confocal microscopy, Total Internal Reflection Fluorescence (TIRF) microscopy, cell trafficking studies, live-cell fluorescent protein imaging, and Single Molecule Fluorescence (SMF).

Furthermore, Photometrics' Evolve provides a deep-cooled platform with the lowest dark current, least read noise, and best vacuum guarantee of any EMCCD camera in the industry

About Photometrics

Founded in 1978, Photometrics is the world's premier designer and manufacturer of high-performance CCD and EMCCD cameras for the life sciences. The original architect of the world's 1st scientific grade microscopy EMCCD camera, tens of thousands of researchers across the globe rely on Photometrics' state-of-the-art imaging instrumentation, including its popular CoolSNAP™, Cascade®, and QuantEM® cameras to meet their most demanding application requirements. Photometrics also offers comprehensive OEM support, including fully characterized, cost efficient imaging systems and components that offer the best solutions for customers' unique requirements. Photometrics is ISO 9001 certified.

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