

July 1st, 2004: For immediate world-wide release

Revolutionary PIXIS™ line of CCD cameras offer permanent vacuum, deepest cooling and ultra low noise in compact package

Princeton Instruments (a division of Roper Scientific, Inc.) is proud to announce its new PIXIS™ line of deep cooled spectroscopy and imaging CCD cameras. These ultra-compact cameras boast cutting edge technology to deliver -80°C cooling, read noise as low as 2.5 e-rms and a host of new features. The all-metal vacuum seals are guaranteed for life of the camera. The cameras are targeted at a wide variety of low-light applications such as Raman, fluorescence spectroscopy, and semi-conductor research.

“PIXIS™ is a milestone in high performance spectroscopy and imaging technology”, says Frank Mummolo, president of Princeton Instruments, “keeping in tradition with the Princeton Instruments’ no-compromise approach, PIXIS™ features the most advanced cooling and low noise detector electronics in the world. With compact single head design and USB2.0 interface, the ease-of-use of this camera is unmatched in the industry”

PIXIS™ is offered with a full range of spectroscopy and imaging CCDs, including proprietary 1340x100 and 1340x400 format devices in front, back illuminated and deep depletion versions. Operated at 100 kHz and 2 MHz, each camera delivers greater than 16-bit true dynamic range.

An easy-to-use USB2.0 interface allows the camera to be run from portable laptop computers. Full triggering and shutter control capabilities are provided.

PIXIS™ cameras are available with the renowned WinView/WinSpec software suites featuring powerful data acquisition capabilities. Macro record feature quickly and easily automates complex experiments. The camera line is also supported under LabView with a full suite of ready to use vi modules for full integration. The new cameras are backward compatible with all the software packages and custom programs written for previous cameras from Princeton Instruments.

For more information, please visit www.PrincetonInstruments.com/pixis

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