



For Immediate Release

SPIE 2008 - Booth #413

Electrophysics Features New Broad Spectral Response Infrared Cameras

Orlando, FL (March 18, 2008) – Electrophysics is proud to offer its broad spectral range infrared camera series, the PV-320. Underscored by the broadest infrared spectral response of any infrared sensor and a host of state-of-the-art features, the PV-320 is one of the most technically advanced infrared imaging solutions available and is suitable for a variety of applications including spectroscopy, laser beam profiling, NDT, medical imaging and temperature analysis. Among several other systems and new introductions, Electrophysics will be demonstrating the PV-320 at SPIE 2008, in booth number 413.

A number of interchangeable lenses and filters are available for the PV-320, which further allows users to optimize the camera for specific applications. The PV-320 comprises three distinct models, in the A, T and L series. The A series features a diffusing chopper and is ideal for high dynamic range or wide ambient temperature environment application, including outdoor surveillance. The T series features factory calibration for temperature readings up to 500°C while the L series features an opaque chopper. Users can select either a standard window or ZnSe window that has been wedged to minimize fringing when directly viewing lasers between 1 and 16 microns.

“Unlike other uncooled sensors such as microbolometers, the PV-320’s uncooled ferroelectric focal plane array offers a unique set of attributes that allows the camera to be used in applications outside the traditional 8-14 micron response window,” said Chris Alicandro, Director of Sales – Infrared Products for Electrophysics. “Users also benefit from the PV-320’s plug and play capability as the USB 2.0 digital output allows the camera to be effortlessly interfaced with any laptop, PC or computer system.”

With 0.08°C of sensitivity and 2% accuracy, users can rely on the PV-320 to identify the finest thermal details giving them the ability to make steadfast, intelligent decisions based on their object measurements. The PV-320 is

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also the only broadband, uncooled imaging system available to professionals worldwide. Like all Electrophysics imaging solutions, the PV-320 is backed by Electrophysics' knowledgeable and dedicated customer service support staff.

Each of the PV-320 imagers boasts a compact [14cm (L) x 11.4cm (W) x 11.4 (H)], rugged, all-metal alloy chassis and incorporates L3's 320x240 (76,800 pixels) BST uncooled focal plane array running at video rate and delivering 80mK sensitivity. End users can also take advantage of the PV-320's USB 2.0 real time 14 bit digital output for direct connection to any PC or laptop. Software drivers for LabView™, C++ and Visual Basic are available to system developers to facilitate the integration of the PV-320 into a wide range of existing systems. In addition, Electrophysics also offers Velocity™, a real time image capture and analysis software package capable of time verses temperature plotting, data export and sequence .avi movie file creation. Three versions of the software package are available to meet very basic camera control and computer display of real time thermal images to a full radiometric analysis suite of functions.

Headquartered in Fairfield, New Jersey, Electrophysics develops advanced near infrared, night vision and thermal imaging systems for use in a host of imaging applications. Since 1969, Electrophysics has maintained its focus on delivering products that reflect the company's exceptional engineering capabilities to meet specific real world demands while keeping pace with rapidly evolving imaging technologies. The Company has realized exceptional growth as a result of its customer-centric philosophy and remains firmly committed to continually innovating its products in order to enhance the experience of end-users. Electrophysics is vertically integrated with expertise in complex signal processing, optics, embedded software, PC software applications development and hardware design.

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