

XenicsPR XLIN Arrays Englisch 8-9-07

FOR IMMEDIATE RELEASE

Xenics Offers Infrared Linear InGaAs Arrays With Charge Amplifying Multiplexers

9 August, 2007 --- Xenics, Europe's leading developer of advanced infrared detector solutions, image sensors and camera systems, headquartered in Leuven, Belgium, is about to set near-infrared spectroscopy and industrial line-scan applications on a new course by introducing its innovative XLIN 1.7/2.2/2.5 series of InGaAs linear photodiode arrays. With their novel layout as a hybrid assembly of photodiodes integrated with a charge-amplifying multiplexer, these new InGaAs arrays are also available ready-mount in the very compact and rigid XenicsXEVA-LIN digital camera.

Like all Xenics infrared detector systems, the new XLIN series excels by its high detectivity, linearity and uniformity, as well as good stability and a wide dynamic range. XLIN comes with three pixel counts: 128, 256 or 512. It offers a wavelength response up to 2.5 μm and a read-out rate of more than 9000 lines per second. A temperature sensor is built into the array. XLIN 1.7 is suited for 0.9 to 1.7 μm wavelengths; XLIN 2.2 operates up to 2.2 μm , and XLIN 2.5 goes up to 2.5 μm . Additionally, XLIN 1.7-512 is available with square pixels.

The new XenicsXLIN arrays are hermetically sealed in a standard flat bottom package with a coated anti-reflection window and extending fixation flanges. This ensures an optimum thermal coupling of the device. The built-in multiplexer, along with thermo-electric coolers (TE1, TE2 or TE3) further reduce the dark current and noise of the array and enable longer integration times. Four integration capacitors (0.1 to 16 pF) can be selected.

Applications cover all aspects of near infrared spectroscopy and spectral characterization. The XLIN arrays enable thermal imaging of hot objects in the 200°C to 800°C range. In industrial high-tech manufacturing XLIN serves as in-line process control and non-destructive inspection tool. In agriculture, XLIN opens up new ways of food inspection, plant monitoring and moisture measurement tasks.

Xenics' XEVA-LIN digital camera combines any one of the three arrays with standard control and communication electronics. The camera is operated from a single 12V/5A power supply and includes all regulating and stabilization circuits for the cooling of the detector. XEVA-LIN interfaces to PCs via USB 2.0 or CameraLink. Xenics also offers matching X-Control GUI software for the setting of the control parameters for capture and display of all camera data.

About XenICs:

Xenics is the leading developer of innovative infrared detection solutions for a wide range of applications. Xenics designs, manufactures and sells infrared detectors and cameras, both line-scan and 2D, covering the infrared wavelength ranges from 1 to 14 micrometers. In addition, Xenics delivers custom products according to the agreed specification and planning.

More information:

Bob Grietens, CEO, XenICs

Ambrachtenlaan 44,

B-3001 Leuven, Belgium

Tel. +32 16 38 99 00, Fax +32 16 38 99 01

E-mail: bob.grietens@xenics.com

www.xenics.com