

PRESS RELEASE

XEVA-FPA-320 InGaAs near-infrared camera from Xenics combines high speed with full flexibility

Leuven, Belgium, 7 November 2005 – Xenics, Europe's leading developer of innovative infrared image sensors, has today announced a new member of its IR imaging systems product line. The XEVA-FPA-320 is a fully digital, software configurable camera consisting of a 320x256 thermo-electrically cooled InGaAs array combined with control and communication electronics in one compact housing.

The new XEVA-FPA-320 digital camera is available with standard (0.9 – 1.7 μm) wavelength InGaAs 320x256 detector arrays, at pixel pitch 30 μm and pixel operability ratio of > 98%. The camera comes in various speed versions: 60Hz, 100Hz and 350Hz, allowing you to choose the most suitable detector-camera configuration for the user's specific application.

The camera outputs 12-bit data for the 60Hz and 100Hz version and 14-bit data for the 350Hz version. The camera head interfaces to a PC via standard USB 2.0, CameraLink or a parallel LVDS bus.

Each camera is delivered with a graphical user interface X-control, offering direct access to various camera settings including exposure time and operating temperature. Software tools include 2-point uniformity correction and bad pixel replacement. The Xenics software driver is fully compatible with Windows 2000/XP

The XEVA-FPA-320 operates on a single, compact and light-weight (300g) 12V/5A power supply which is delivered along with the camera. Operating temperature is -40 to $+70^{\circ}\text{C}$.

The camera can be employed in a broad range of applications, including hyperspectral imaging and laser beam profiling, automotive and airborne vision enhancement, semiconductor inspection, thermal imaging, on-line process control and medical applications.

Note to the editor

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 for line scan and imaging applications, covering the infrared wavelength ranges from 1 up to 14 micrometer. In addition, Xenics delivers custom products according to the agreed specification and planning.

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