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Xenics Introduces "Serval" IP67 Ruggedized LWIR Camera for Industrial Vision

Leuven, Belgium / Stuttgart, Germany, 14 October 2014 --- Xenics, Europe's leading developer and manufacturer of advanced infrared detectors, cameras and customized imaging solutions from the LWIR to the visible realm, will introduce its newly developed Serval, a small-form-factor, maintenance-free thermal LWIR camera for industrial use. Serval is based on the proven Xenics Gobi-GigE series and targets demanding applications in harsh environments. At Vision 2014, Xenics will exhibit in Booth 1G44, Hall 1.

Serval fulfils a growing, highly cost-conscious submarket demand for rugged and reliable, end-user-ready cameras for industrial imaging and thermography applications without the need for third-party enclosures. Serval is directed at demanding indoor uses, such as in-line process and quality control in harsh and hot industrial environments. It also serves crucial hot-spot, fire and smoke detection applications. In this highly specialized field, industrial sales channels and system integrators are looking for new solutions in terms of easy and maintenance-free installation as well as long-term stability.

The Serval camera, aptly named after the intelligent and autonomous nocturnal wild cat living in the African Savannah, is repositioning and evolving the proven Gobi-GigE thermal imaging series. Serval has been designed for long-term stable and reliable operation under difficult ambient conditions. The new Serval LWIR industrial imaging camera comes with on-board analytics and calibration for thermal imaging or thermography usage. The camera is easy to integrate to third party software by C# and LabVIEW SDK over a GigE Vision interface.

Its compact form factor provides front window protection with air purge to avoid costly repair or replacement of the lens and to allow permanent use in dust-loaded atmospheres.

As a specific advantage compared to existing similar solutions, the new Xenics Serval offers a variety of configurations with a fixed athermalized lens and optional cooling on its housing; all com-

bined with a very small form factor. The camera comes with an IP67 protection grade enclosure such that no large third-party enclosure is needed anymore when adding a thermal imaging installation to given machine vision applications.

About Xenics

Xenics is a pioneer of infrared technology with a proven track record of more than ten years. Xenics designs and markets infrared imagers, cores and cameras of best-in-class image quality to support innovative R&D, industrial automation, machine vision, process control and high-end security applications. Xenics offers a complete portfolio of line-scan and 2-D area-scan products for the VisNIR, SWIR, MWIR and LWIR ranges. A vertically integrated manufacturer with advanced production facilities and in-house know-how on detector, systems and software development, Xenics delivers state-of-the-art solutions and optimized custom designs. As a European vendor with a worldwide sales and service network, Xenics supports its customers with simplified export procedures. More at: www.Xenics.com.

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