

## **Xenics to complete its Wildcat+ 640 family offer**

**Leuven, Belgium, December 6<sup>th</sup>, 2022** – Wildcat+ 640 TE0 (TECless) and WL (Windowless) have been announced today as the newly released members of the Wildcat+ short-wave infrared (SWIR) camera family from Xenics.

Xenics is Europe's leading developer and manufacturer of advanced infrared sensors, cameras and customized imaging solutions for the short-wave infrared (SWIR) and the LWIR realm.

### **Wildcat+ 640 TE0 200: the affordable high sensitivity SWIR camera**

High sensitivity is the holy grail for a lot of applications. However, these types of cameras are usually very expensive. With the TE0 version, Xenics proposes an affordable solution with a TECless version running at 200 Hz and maintaining the ultimate electro-optical performance of Wildcat+ 640.

### **Wildcat+ 640 WL 200: the windowless option**

To complete the Wildcat+ 640 offer, Xenics now also proposes a "windowless" version (sensor package without cover glass): this helps avoiding unwanted reflections and interference fringes as requested for laser measurements (typically Laser Beam Profiling). This configuration is also beneficial for wave-front sensing as it suppresses any uncontrolled optical distortions due to the window of the sensor. Finally, as this camera is also TECless, it results in a price optimised solution similar as the Wildcat+ 640 TE0.

### **Proud members of the Wildcat+ 640 family**

Raf Vandersmissen, Product Line Manager for SWIR at Xenics, explains, "As these two versions are based on the Wildcat+ 640 configuration they both benefit from the same advantages".

The same advantages are:

- Low readout noise (45 e-) combined with a large pixel (20 µm pitch) resulting in a very high normalized sensitivity (8.89, i.e., ratio of pixel area versus noise) which allows customers to detect very small signals
- High dynamic range up to 68.8 dB
- Region of interest for increasing the framerate
- Possibility to integrate an optical filter
- 2 trigger-in and 2 trigger-out for a maximum of flexibility in complex systems integration
- GenICam compliant SDK for straightforward integration

Dedicated to industrial applications, these cameras are proposed with CameraLink™ or a plug-and-play USB3 Vision interface.

Thanks to these two new versions, the Wildcat+ 640 family is now complete allowing Xenics to offer to customers the best SWIR solution for machine vision and process monitoring.

## About Xenics

Xenics is a pioneer of infrared technology with a proven track record of twenty years. Xenics designs and markets infrared imagers, cores and cameras of best-in-class image quality to support machine vision, scientific & advanced research, transportation, process monitoring, safety & security and medical applications. Xenics offers a complete portfolio of line-scan and area-scan products for the vSWIR, SWIR and LWIR ranges. Mastering all critical steps of the manufacturing process with advanced production facilities and in-house know-how on detectors, systems and software development Xenics delivers state-of-the-art solutions and optimized custom designs. Xenics ensures its commitment of doing good to the world by developing solutions for enhancing quality of life and sustainability. As a European vendor with a worldwide sales and service network, Xenics supports its customers with simplified export procedures. More at: [xenics.com](http://xenics.com)

## Press Release

### Media Contact Xenics nv

Ambachtenlaan 44  
3001 Leuven  
Belgium  
Tel.: +32 16 38 99 00  
Fax: +32 16 38 99 01  
[marketing@xenics.com](mailto:marketing@xenics.com)

