

## EXOSENS UNVEILS THE DIONE XP UNDER ITS XENICS BRAND

PRESS RELEASE

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**Exosens**, a global leader in advanced imaging and detection technologies, proudly announces the launch of the **Dione XP series** under its infrared imaging brand, **Xenics**. This new long-wave infrared (LWIR) SWaP core camera marks a significant milestone in the group's ongoing commitment to delivering high-performance, compact imaging solutions for demanding applications.

### DIONE XP – A New Benchmark in LWIR Imaging

The Dione XP series is a VGA (640 × 480) LWIR camera core specifically developed to meet the increasing demand for Size, Weight, Power, and Cost-efficiency (SWaP-C) without compromising performance. Offering an exceptional balance between high resolution and affordability, it is ideally suited for safety and security markets, as well as industrial and embedded applications.

As the latest addition to Exosens' portfolio of uncooled LWIR solutions through its Xenics brand, Dione XP sets a new standard for image quality and integration flexibility.

### POWERFUL FEATURES, COMPACT DESIGN

The Dione XP series integrates cutting-edge image enhancement capabilities, including XLIE (Xenics Local Image Enhancement) algorithms, edge detection, column noise filtering, extended temperature calibration, and automatic calpack switching. These features deliver exceptional image quality and dynamic range, tailored for critical industrial and defense use cases.

Equipped with a 640 × 480 microbolometer sensor and 12 μm pixel pitch, the camera achieves NETD values of 35 mK or 40 mK, depending on the model. Available with or without shutter, the series offers maximum design flexibility to meet various SWaP requirements.

Customers can choose between:

- **Dione XP OEM:** optimized for system integrators
- **Dione XP CAM / Dione XP S CAM:** housed versions with M24 or M34 optical interfaces

*"Xenics has long been a trusted technology brand within Exosens, delivering advanced infrared solutions to a broad range of markets. The Dione XP series exemplifies this legacy of innovation, offering a compact yet powerful LWIR solution that meets the stringent needs of security, drone-based systems, and DRI applications,"* said **Paul Ryckaert**, Executive General Manager, Advanced Imaging Business at Exosens.

## ABOUT XENICS:

Xenics is a leading product brand of Exosens, a high-tech company with more than 85 years of experience in the innovation, development, manufacture and sale of high-end electro-optical technologies. Xenics, pioneer of infrared technology, designs, manufactures 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. As a European vendor with a worldwide sales and service network, Xenics supports its customers with simplified export procedures.

For more information: [exosens.com](https://exosens.com)