

EXOSENS INTRODUCES ULTRA-HIGH RESOLUTION, 80 LP/MM, IMAGE INTENSIFIER TECHNOLOGY FOR SCIENTIFIC IMAGING

PRESS RELEASE

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- **Exosens announces major performance breakthroughs in image intensifier tube (IIT) technology**
- **The latest IITs achieve up to 80 lp/mm resolution, combined with ultra-fast gating and an active area of up to 25 mm, enabling unprecedented imaging precision. These IITs are based on Photonis Hi-QE photocathode and industry-leading microchannel plate technologies**
- **These innovations are commercially available through the Cricket™ Pro plug-and-play intensifier adapter and will be showcased at Photonics West 2026**

Exosens, a high-tech company focused on providing mission and performance-critical amplification, detection and imaging technology, is proud to announce revolutionary performance enhancements to its **Image Intensifier Tube (IIT) technology**, delivering improved low-light and single-photon imaging capabilities.

The latest advancement of IITs delivers unprecedented resolution of up to 80 lp/mm, enabling researchers to capture finer details than ever before. Combined with the fastest available gating and a 25 mm active area, these improvements deliver unmatched flexibility and precision for demanding scientific environments. Built on Photonis' Hi-QE photocathode technology and industry-leading Microchannel Plate technology, these tubes offer exceptional signal-to-noise ratio, durability, and long operational lifetime.

"At Exosens, our mission is to empower our partners with the most advanced image intensifier tube technology available today. Through substantial investment in research and development, we have established a new industry benchmark for high-resolution and ultra-fast gating. These breakthrough capabilities will enable camera system manufacturers to deliver exceptional performance and value to their end users." said **Ulrich Laupper**, President of the Exosens Ultimate Detection Business Unit.

Cricket™ Pro INTEGRATION

These performance enhancements are now available in the fully integrated image intensifier adapter, Cricket™ Pro. Designed as a true plug-and-play solution, Cricket™ Pro incorporates either an 18 mm or 25 mm active area, enabling researchers and scientists to effortlessly upgrade their existing CCD or CMOS cameras for advanced low-light and single-photon imaging. With seamless compatibility for C-Mount and F-Mount systems, integrated electronics for optimized power and gating, and

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support for a broad spectral range from 130 nm to 900 nm, Cricket™ Pro delivers exceptional high-resolution imaging with simplicity and precision.

With these innovations, Exosens reaffirms its commitment to delivering state-of-the-art imaging solutions for the scientific community.

SEE IT FIRST AT PHOTONICS WEST

These advancements will make their official debut at Photonics West in San Francisco, January 20–22, 2026, where Exosens will showcase the future of image intensification. Visit booth 657 for a live demonstration of Cricket™ Pro, featuring ultra-fast gating speed, expanded active area, and enhanced sensitivity in the UV spectrum.

ABOUT EXOSENS:

Exosens is a high-tech company, with more than 85 years of experience in the innovation, development, manufacturing and sale of high-end electro-optical technologies in the field of amplification, detection and imaging. Today, it offers its customers detection components and solutions such as advanced cameras, neutron & gamma detectors, instrument detectors and light intensifier tubes. This allows Exosens to respond to complex issues in extremely demanding environments by offering tailor-made solutions to its customers. Thanks to its sustained investments, Exosens is internationally recognized as a major innovator in optoelectronics, with production and R&D carried out on 12 sites, in Europe and North America and with over 2,000 employees.

Exosens is listed on compartment A of the regulated market of Euronext Paris (Ticker: EXENS – ISIN: FR001400Q9V2). Exosens is a member of Euronext Tech Leaders segment and is also included in several indices, including the SBF 120, CAC All-Tradable, CAC Mid 60, FTSE Total Cap and MSCI France Small Cap.

For more information: exosens.com

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