



FOR IMMEDIATE RELEASE:

Excelitas Introduces pco.pixelfly 26 CLHS Camera Delivering High-Speed, High-Resolution Imaging with Simplified Air Cooling

New 26 MPixel global-shutter sCMOS camera combines industry-leading throughput with compact, affordable design for industrial and scientific applications



Pittsburgh, Pa., November 13, 2025 – [Excelitas®](#), a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics sectors, today announced the launch of its new [pco.pixelfly™ 26 CLHS camera](#). Combining the speed of the industry's fastest CLHS data interface with a high-resolution sCMOS sensor, the camera captures large image volumes for immediate analysis across demanding inspection and research environments.

Featuring a True Charge Domain Global Shutter sensor with 2.5 μm pixels, the pco.pixelfly 26 CLHS achieves exceptional detail, even at medium magnification, with pixel architecture optimized for low parasitic light sensitivity. It delivers full 5120 $\times$ 5120-pixel resolution at up to 29 frames per second, setting a new benchmark for performance and affordability in compact, air-cooled imaging.

Available in both monochrome and color versions, the camera eliminates the need for liquid cooling, reducing system complexity and maintenance while simplifying integration into industrial and OEM systems.

"The pco.pixelfly 26 CLHS delivers the performance that precision applications demand, but in a smaller, more cost-efficient design," said Alexander Grünig, Director Advanced Imaging Systems at Excelitas. "By combining global-shutter accuracy, 26-megapixel resolution and CLHS streaming in an air-cooled package, we've created an ideal solution for high-speed, high-detail imaging—from semiconductor inspection to materials research."

Designed for semiconductor and electronics inspection, machine-vision systems, metrology and materials science, the pco.pixelfly 26 CLHS provides lab managers, R&D engineers and imaging specialists a powerful balance of speed, detail and reliability at an industrial price point.

Key Product Features:

- **26 MPixel sCMOS sensor (5120 $\times$ 5120 pixels, 2.5 μm pixel size):** Captures ultra-fine detail across a large field of view.
- **Global shutter architecture:** Eliminates motion artifacts for accurate measurement of dynamic events.
- **Up to 29 fps at full resolution:** Supports rapid process visualization and real-time analysis.

- **Air-cooled design:** Simplifies system integration and lowers maintenance costs.
- **CLHS interface:** Ensures reliable high-speed data transfer for industrial imaging.
- **Monochrome and color models:** Flexible for both measurement and true-color applications.

The new pco.pixelfly 26 CLHS camera joins Excelitas' expanding portfolio of advanced imaging solutions. For more information about the new pco.pixelfly 26 CLHS, please visit:

<https://www.excelitas.com/product/pcopixelfly-26-CLHS-sCMOS-Camera>.

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About Excelitas

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

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