

FOR IMMEDIATE RELEASE:

Excelitas Introduces pco.scheimpflug Camera Adapter for Large Image Sensors

Single-Axis Scheimpflug Adjustment Module Enables Selective Focus, Expanded Depth-of-Field and Improved Sharpness Across Three-Dimensional Objects in a Single Image Capture



WALTHAM, Mass., May 1, 2024 – [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, today introduced the [pco.scheimpflug Camera Adapter](#). Optimized for large image sensors, the new pco.scheimpflug Camera Adapter allows quick and easy fine adjustment of the focal plane of PCO® imaging systems to oblique angles. This enables users to achieve selective focus, expanded depth-of-field, and improved sharpness across three-

dimensional objects within a single image capture.

Designed for PCO cameras, including the [pco.edge 10 bi LT CLHS sCMOS Camera](#) and [pco.edge 26 USB/CLHS sCMOS Cameras](#), the pco.scheimpflug also offers an option for V-Groove interface to the [LINOS® Lens](#) portfolio. It is an ideal solution for applications requiring scientific imaging techniques such as particle image velocimetry, or planar laser-induced fluorescence, as well as for process monitoring, including visualization of spray applications, or in additive manufacturing.

Key features include:

- Rugged design
- Imaging with focus planes set to an oblique angle
- Continuous adjustment within +/- 18° angle possible
- Exchangeable inserts for V-Groove/C-/TFL-mount lens adapter available
- Customized / OEM configurations on request

“The Excelitas PCO portfolio has a long legacy of developing cameras and optoelectronics for diverse applications such as scientific and industrial research, automotive testing, quality control and metrology, which makes us extremely pleased to introduce the pco.scheimpflug Camera Adapter as our latest digital imaging innovation,” said Dr. Alexander Dietz, Product Manager at Excelitas. “By utilizing the so-called ‘Scheimpflug Principle,’ the pco.scheimpflug overcomes spatial restrictions that make it impossible to place a camera parallel to the sample plane, so that users can properly focus on all areas of the region of interest to record the entire image in perfect focus.”

Excelitas will display the new pco.scheimpflug Camera Adapter from May 6 - 9, 2024 at [Automate 2024](#) Booth #4070 in Chicago, IL. For additional information, visit <https://www.excelitas.com/product/pcoscheimpflug-camera-adapter>.

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**About Excelitas Technologies Corp.**

Excelitas Technologies® is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

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