FOR IMMEDIATE RELEASE:

Excelitas Technologies Introduces New LINOS inspec.x L 5.6/105 VIS-NIR Lens Series

Four lenses in series capture ultra-sharp, high-contrast images for visual and non-visual inspection

Pittsburgh, Pa., October 2, 2024 – Excelitas Technologies® Corp., the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets, introduces its new LINOS® inspec.x L 5.6/105 VIS-NIR lens series for large format high-resolution camera sensors optimized for VIS and NIR sensitivity.

The LINOS inspec.x L 5.6/105 VIS-NIR lens series sets a new standard for optimizing the field of visual and non-visual inspection. Offering exceptionally high-quality color correction and apochromatic design, ultra-sharp and high-contrast images can be created at a wide range of different wavelengths from visible light (400 nm to 700 nm) to near-infrared light (700 nm to1150 nm), with no need to refocus. The diffraction-limited design provides high performance across the entire object field, so that optimal results can also be achieved at the edges.

The new series comes with four different lenses that are optimized for different magnifications in the 0.25x to 4x range. This means that inspection tasks can be carried out at working distances of ~100 mm to 500 mm. The new series is equipped with the established V-groove interface, which can be connected to virtually any industrial camera using the Excelitas Modular Focus System. In addition to its outstanding optical performance in the visible and near-infrared area, inspec.x L VIS-NIR lenses provide excellent flexibility and modularity.

Additional features include:

- VIS-NIR achromatically corrected lens
- Broadband coating from 400 nm to 1150 nm
- Ultra-fine resolution
- Diffraction-limited design
- Precision alignment for consistent full field-of-view imaging performance
- Outstanding price / performance ratio

The inspec.x L 5.6/105 VIS-NIR lenses are optimal for multi-spectral and hyperspectral applications, including machine vision, industrial inspection and quality control in PCB, print, surface, waste, pharmaceutical, food and battery manufacturing, among others.

Excelitas will display the LINOS inspec.x L 5.6/105 VIS-NIR lens series from October 8-10, 2024, at VISION 2024 in Stuttgart, Germany at Booth #E51 in Hall 10. For more information, visit https://www.excelitas.com/product/linos-inspecx-l-56105-vis-nir-lens-series.

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About Excelitas Technologies
Excelitas is the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide.

Connect with Excelitas on Facebook, LinkedIn, X and Instagram, or visit the Excelitas website at www.excelitas.com for more information.

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