

Excelitas Technologies Introduces LINOS inspec.X L Float 5.6/120 Lens for Machine Vision Applications



WALTHAM, Mass., January 22, 2020 – Qioptiq, an [Excelitas Technologies®](#) Company, introduces the [LINOS inspec.x L Float 5.6/120 Lens](#), which delivers brilliant optical performance over a large image circle of 82mm. By using floating element optics, the new LINOS inspec.x L Float 5.6/120 Lens achieves high performance over an extremely wide magnification range from 0.06x to 0.52x with constant high performance over the complete image field for a variety of machine vision applications including PCB, OLED and FDP inspection, as well as cultural heritage use cases.

The inspec.x L Float 5.6/120 Lens enlarges the field-proven inspec.x L Lens series in a new range of magnification with a brilliant imaging performance. Made in Germany, the latest inspec.x supports all modern high-resolution area scan and line scan sensors up to a diagonal of 82mm. Inspec.x L Float 5.6/120's full-metal housing makes it suitable for industrial use and the integrated pulleys for magnification and aperture allow remote control with timing belts in automated environments.

Product specifications include:

- Focal length: 120mm
- Aperture: 5.6 – 16
- Extreme magnification range of -0.06x – -0.52x
- Floating element optics
- Perfect match with 5µm pixel size
- Working distance: 302mm – 2037mm
- Spectral range: 400nm – 750nm

“We are pleased to introduce the new LINOS inspec.x L Float 5.6/120 Lens as the latest addition to our inspec.x Lens Series – a brand known for delivering the utmost in quality and performance,” said Arthur Stauder, Product Manager for Imaging Lenses at Excelitas Technologies. “A perfect complement to the [inspec.x L Float 5.6/105 Lens](#), inspec.x L Float 5.6/120 ensures superior optical performance over a large image circle, combined with adjustable aperture and lens positions for different magnifications in machine vision applications.”

The LINOS inspec.x L Float 5.6/120 Lens will be on display at [Photonics West](#), February 1 – 6, 2020. Visit Excelitas at booth #1149 to learn more.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a photonics technology leader focused on delivering innovative, high-performance, market-driven solutions to meet the lighting, optronics, detection and optical technology needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their end-markets. Our photonics team consists of 7,000 professionals working across North America, Europe and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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