

Excelitas Technologies Introduces New LINOS d.fine HR Area Scan Module

Latest Accessory for the d.fine HR 2.4/128 3.33X Inspection Lens Enhances Machine Vision Capabilities

WALTHAM, Mass., March 10, 2021 – [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, today announced the [LINOS® d.fine HR Area Scan Module](#), which enables area scan applications for the company's [d.fine HR 2.4/128 3.33x High Resolution Inspection Lens](#). The combination of d.fine HR Lens and new Area Scan Module features a large image circle up to 82 mm and a high resolution up to 300 Lp/mm in a spectral distribution of 400 nm – 750 nm. It is ideal for 120MP and 150MP sensors used in optical inspection and machine vision applications in the semiconductor, flat panel display (FPD) and electronics manufacturing industries.



Made in Germany, the d.fine HR Lens and its Area Scan Module offer brilliant optical performance. Due to the extremely high resolution in the object of up to 300 Lp/mm and its exceedingly large image circle of 82 mm, the d.fine HR Lens with Area Scan Module accessory can be used with common area scan cameras over 150 MPixel and pixel sizes down to 3.5µm for optical inspection.

The d.fine HR Area Scan Module is also the latest complement to Excelitas' LINOS d.fine HR 2.4/128 3.33X High-Resolution Inspection Lens. Optimized for a magnification factor of 3.33X and supporting an image field circle up to 82 mm in diameter, the d.fine HR 2.4/128 3.33X Lens maintains superb and homogeneous imaging quality across the entire image field. It also shows a very high light intensity due to an aperture of 2.4 – making it an ideal match for either modern, high-resolution 12k and 16k line cameras or large sized 150MP area cameras – depending on the chosen accessories module. In addition to the new d.fine HR Area Scan Module, Excelitas offers the d.fine HR Prism Module that allows coaxial illumination for fast line scan applications.

“We are pleased to announce the d.fine HR Area Scan Module as the latest accessory for our popular LINOS d.fine HR 2.4/128 3.33X Inspection Lens,” said Arthur Stauder, Product Manager / Application Engineer at Excelitas. “The two alternative scan modules enable our customers to use one and the same d.fine HR lens for line scan or for area scan applications. Both combinations deliver high performance and quality over the entire image circle, making it the perfect complement for a variety of machine vision applications.”

Additional information about the LINOS d.fine HR Area Scan Module is available:
<https://www.excelitas.com/product/dfine-hr-24128-lens>.

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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](#).

Visit <http://www.excelitas.com> for more information.

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