



PRESS RELEASE

metaEye™ by NILT Wins International Award for Best Camera and Imaging System

Copenhagen, Denmark, January 24, 2025 – NIL Technology (NILT), a global leader in meta-optics design and manufacturing, launches the metaCamera™ product line, a family of near-infrared ultra compact cameras, all fully based on meta-optics, and optimized for object distances from 2 mm to infinity. The metaCameras™ provides high-fidelity near-infrared (NIR) images for a wide range of applications including authentication, augmented reality (AR), and automotive safety and IoT sensing.



NILT Team accepting the Prism Award for Best Camera and Imaging System



First Ultra-Compact Camera Made Possible with Metalenses

NILT metaEye™ is the first realized camera using NILT's pioneering meta-optical elements and meta-optics camera architecture. The unique architecture is more compact, simpler, and more robust than any other camera on the market, all while delivering performance that typically requires 3 to 4 refractive lenses. The metaEye™ camera is configured especially to match eye-tracking requirements and it is showcased at NILT's exhibition (#5335) at Photonics West together with two other configurations, the metaMacro™ and the metaInfinity™ which have close range and long range target object distance, respectively.

"We are excited to demonstrate to the world the versatility of our meta-optics technology. We have built this camera relying entirely on metalenses to show what is possible to do with metalenses. The metaEye is a testimony to how far we have taken the metaoptics technology. The camera consist of not one, but two stacked lenses and the performance of the camera is amazing. We are very honored and proud to receive the Prism Award this year," says
Theodor Nielsen, CEO, NIL Technology.

"This transformative metaEye™ design concept truly reveals the power of metalenses and will set new standards in the field of compact cameras and Rx modules for sensing and machine vision applications"
Ulrich Quaade, VP Optics, NIL Technology

About NILT

NIL Technology (NILT), founded in 2006, is an optical solutions company designing, developing, and manufacturing optical elements and components using high-precision nanoscale features. NILT creates competitive advantages with flat optics (meta-optics) in optical applications for 3D sensing, consumer electronics, machine vision, autonomous vehicles, telecommunication, and AR. With its background in mastering for nanoimprint, the company produces masters and offers nano-foundry services. NILT is based in Denmark and has offices in Switzerland, Sweden, US, and a manufacturing in Malaysia. Visit us at www.nilt.com. NILT is owned by Radiant Opto-Electronics Corporation (www.radiant.com.tw).

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