

Theia Technologies, LLC

Theia Technologies was founded in 2006 to bring a new lens technology to market. Theia designs, manufactures and sells high resolution, high performance lenses, including ultra-wide rectilinear lenses using our patented distortion correction technology.

Genesis



Theia's ultra-wide rectilinear lenses are based on our patented Linear Optical Technology®. Jeff Gohman and Mark Peterson invented this technology while leading the Advanced Technology group at InFocus Corporation, a maker of business and entertainment projectors. In 2002 InFocus decided to design an ultra-thin rear projection TV to compete with the emerging plasma and LCD TVs. This required a very wide-angle lens without distortion to enable a very thin TV. The TV was launched by InFocus and partner RCA in 2004 winning multiple awards including Popular Science magazine's "Best of What's New" in 2004. It was sold during 2005 and 2006 until InFocus and RCA exited the market when the price for plasma TV dropped precipitously.



Company Organization

In 2006 Gohman and Peterson obtained an exclusive license from InFocus to take the lens technology into other markets. They founded Theia Technologies and initially entered the security and military markets.



Theia was started with assistance from Japanese manufacturing partner Nittoh Inc. Nittoh is a well-respected lens manufacturer with plants in Japan and Indonesia. Lenses are designed in the US at Theia then further engineered to improve manufacturability and cost by Nittoh. The lenses are manufactured to ISO 9001 and ISO 14001 standards at Nittoh's Indonesian plant near Jakarta.

In January 2014 Theia's US headquarters achieved ISO 9001:2008 certification and achieved certification to the new ISO 9001: 2105 standard in December 2017.

Theia's management team consists of Jeff Gohman - President, Mark Peterson - VP Advanced Technology, Andrea Van Landingham - VP Business Development, and Lisa Gohman - VP Finance.

Innovation

In 2007 Theia Technologies introduced the world's first ultra-wide rectilinear lens for the security and machine vision markets. Theia's proprietary Linear Optical Technology® allows the design of ultra-wide angle lenses up to 135° HFOV while nearly eliminating barrel distortion in the image; straight lines remain straight. Distortion correction is achieved optically in the lens without the use of de-warping software, allowing the lens to be used on any compatible format camera. The lenses are compatible with most security and machine vision cameras from high resolution analog up to 4K resolution.



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Award winning technology



In 2007 Security Sales and Integration magazine selected Theia's first lens based on Linear Optical Technology® as a "show stealer" at the ISC East show and in 2008 Theia won the "Special Achievement in Innovation" award from the Security Industry Association (SIA). Using the same technology platform Theia introduced an IR corrected version in 2009, and a varifocal version in 2010.

In 2011 Theia diversified their lens portfolio with the introduction of their SL940 5-megapixel compact telephoto lens used widely for its outstanding performance in ITS/ANPR/LPR applications.



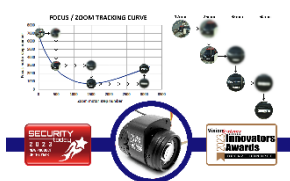
In 2011 Theia was also recognized by SIA with a New Product Showcase award for their innovative Image Resolution and Lens Calculator online tool and app for smart phones.

In 2016 Theia received awards and acclaim for their new family of compact 4k resolution lenses for the 1/1.7" sensor. Awards include New Product of the Year award in Video Surveillance Hardware and Accessories from Security Products magazine, Bronze Innovators Award from Vision Systems Design, Best Image Quality by Benchmark Magazine and Honorable Mention from SIA for their New Product Showcase contest.



In 2018 Theia expanded their line of high-performance machine vision lenses with the introduction of the ML610M 2/3" 4K resolution varifocal lens winning Vision Systems Design Silver Innovators award in 2019.

In 2022 Theia added the ruggedized MY23F lens with patented Linear Optical Technology® expanding the technology for larger 1/1.8" sensor sizes. The lens won Vision Systems Design Silver Innovator award, Security Today's New Product of the Year 2022, and Security Today's Government Security Award.



Theia continued its record of award-winning innovation and in 2023 introduced their line of individually Calibrated Motorized Lenses which provide lens-specific optical performance data to enhance image processing and simplify camera setup in dynamic environments. The technology garnered Security Today's New Product of the Year 2023, and Vision Systems Design Bronze Innovator award.

Today

Theia Technologies offers high performance 4k and megapixel lenses for machine vision applications in security, automation, robotics, broadcast and other markets. Theia's lenses are produced to the highest quality standards and supplied to OEM companies, and through distributors and resellers worldwide. Theia also develops and provides custom optics and has numerous issued and pending US and foreign patents for lens technologies.



Tomorrow

Theia is proud to be your optics solutions supplier! Email us at info@theiatech.com, or phone +1 (503) 570-3296 to start the conversation.