

Theia launches new Website with CAD models, Lens Selector, Lens Calculator and more.

Wilsonville, OR – May 19, 2022

Theia Technologies is excited to introduce their new website designed to enhance user experience, facilitate lens selection, and make information about lenses readily available. The new features include interactive and downloadable CAD models, a brand-new Lens Selector, an updated Lens Calculator and Resolution Simulator, and an expanded Applications Gallery. The new website is now the resource hub for all information on Theia lenses - from specs, drawings, models and images to performance data, conformity documents, and certifications – all online, available 24/7!

Theia's new CAD tool provides on-demand, 3D CAD model downloads and interactive 3D previews for six product families, allowing specifiers, designers, and engineers to configure, preview, and download products to test within their designs. The configurator makes it easy for designers to access CAD data and download it in their preferred format. The new catalogue delivers CAD downloads in over 150 formats, accommodating design requirements for multiple industries including machine vision, robotics, intelligent traffic systems and security.

Theia has developed a new Lens selection tool that allows users to quickly filter through Theia's lens catalog by Focal Length/Range, Image Format, Resolution, IR Correction, Varifocal vs. Fixed, Motorized vs. Non-motorized, Mount Type, Iris Type and Minimum Object Distance.

Theia's updated Lens Calculator and Resolution Simulator allows applications engineers to input key details of a project and potential equipment, then calculates image resolution given these parameters. The tool provides an image representation of the result using selected variables, allowing designers to see if there is enough resolution to meet the application needs. The enhanced tool can now recommend a lens based on the desired results rather than the user choosing the lens or focal length. The updated calculator also provides links to information about the lens chosen to allow the user easy access to lens specifications, drawings, and CAD files

The images in Theia's new Applications Gallery represent applications including Security, Automotive, Intelligent Traffic Systems, Machine Vision, Factory Automation, Robotics, Aerospace, Defense, Science, Healthcare, Sports, Entertainment, Retail, Manufacturing and Consumer Electronics. If you are not sure how one of our lenses will perform in your application, there are many example images with the same or similar uses as your own and will provide you with a good indication of how our lenses will perform in your environment.



About Theia

Theia Technologies provides high quality 4K and megapixel lenses for machine vision, intelligent traffic systems, video surveillance and other applications. Their patented, award winning Linear Optical Technology® corrects barrel distortion and improves image resolution over typical wide lenses. Theia lenses are designed and marketed from the US and manufactured to ISO 9001:2015 standards. Theia also provides optical engineering and custom design services. Theia has numerous issued and pending US and foreign patents for lens technologies. For more information, contact Andrea Van Landingham at +1 (503) 570-3296, or visit www.TheiaTech.com.