

Sunex

Excellence in Optical Design and Manufacturing

DESIGN SERVICES

Optical and Camera Module Design & Prototyping

25+ year track record of success in taking customer concepts from design through mass production.





Sunex Design Services

With a 25+ year track record as a leading optics company and a US-based headquarters and Design Center, we have consistently demonstrated success in taking customer concepts from design through mass production across many industries and applications.

Our products enable technologies that make driving and transportation safer, protect buildings, assets, and critical infrastructure, advance medical procedures, connect the world through AR/VR technologies, enable next-generation robotics, and advance smart agriculture that puts the food on the table.

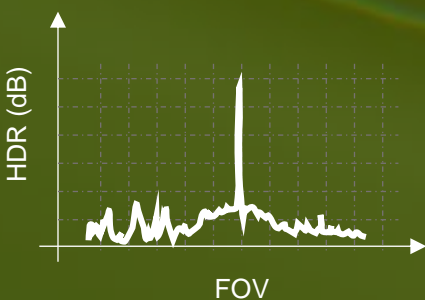
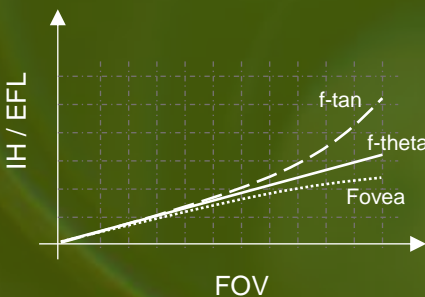
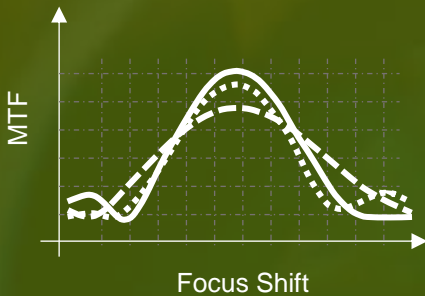
Optical Design Services

We are leveraging best-in-class design expertise and are constantly driving process improvements and manufacturing innovation for our global customer base to push the boundaries of what is possible.

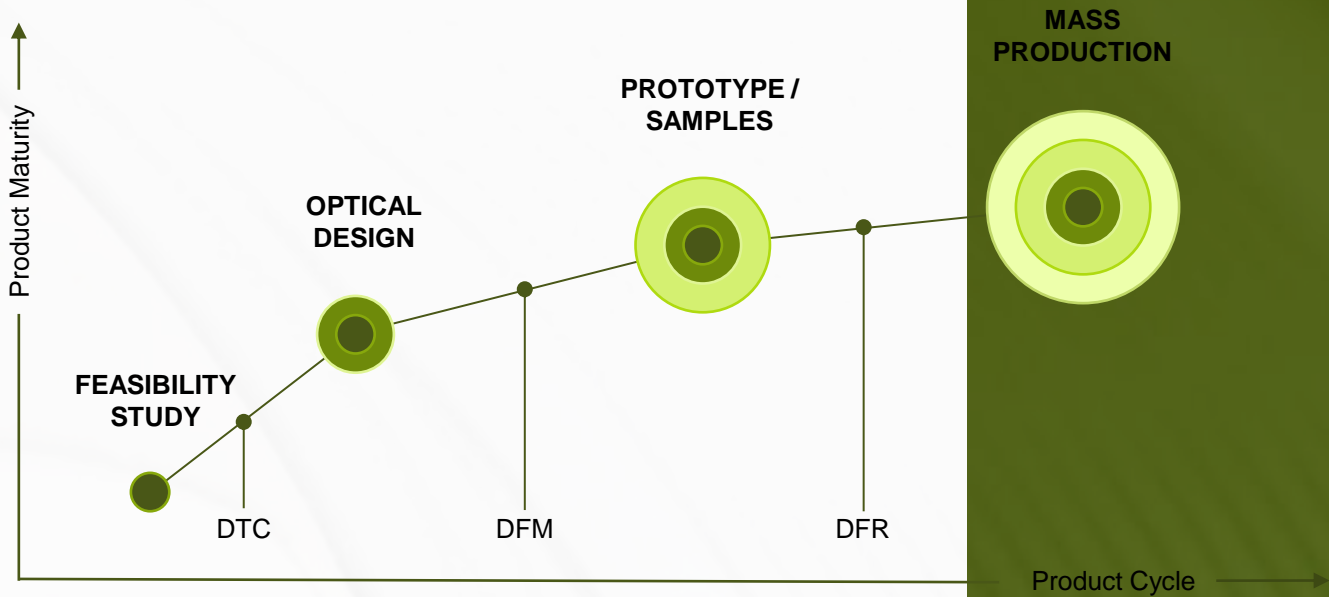
Our optical and mechanical engineering teams apply their proven engineering know-how to create new products and novel solutions to support your project goals. From Design To Cost (DTC), Design for Manufacturing (DFM), and Design for Reliability (DFR), we always have the full product development cycle and your specific business case in mind.

Camera Module Design Services

Expanding beyond our Optical Design Services, we can create an even further vertically integrated solution for you. From optomechanical design, PCB design, and auxiliary component integration to manufacturing tolerancing, End-of-Line (EOL) test requirements, and Quality Control (QC) procedures, we can design your camera module and prepare your optical system for prototyping and ramp into manufacturing.



All graphs are for illustration purpose only. The individual lens performance can be different.



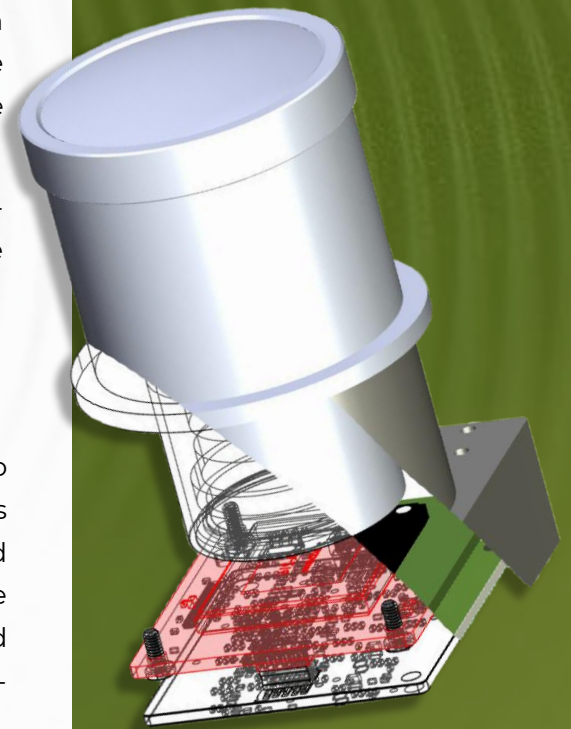
Fast Prototyping

Sunex's renowned excellence in Optical Design is complemented by its extensive experience and leading position in the manufacturing of optical systems. If your solution benefits from early prototyping and samples to optimize performance, explore mechanical variants, or solicit early end-user input, we would be honored to be your partner of choice.

Our state-of-the-art prototyping equipment and accredited in-house test facilities support in-depth prototype evaluation before transitioning further on the path to mass production.

Designed for Mass Production

Often it is not the challenge to create a design "that works" but to find a solution that can scale to mass production (DFM), meets required price targets (DTC), and delivers on performance and quality (DFR). Our deep design and manufacturing experience comes from servicing some of the most demanding markets and applications, and combined with consistent quality and global on-time delivery, Sunex is the preferred partner for many.



25+ years of Design Expertise will Drive Your Success.

Consulting – Design – Manufacturing - Support



SUNEX INC.

3160 Lionshead Ave, Suite B
Carlsbad, CA 92010, USA
Tel: +1 760-597-2966
sunex.com/contact