

# YOUR PARTNER IN IMAGING OPTICS



- Over 800 Imaging Lenses In Stock and Available Now
- Covering Sensors up to 90 mm
- Cost Effective Solutions for Volume Production

Edmund Optics® prides itself on understanding how customers need to implement imaging technology in their applications. This knowledge allows us to quickly deploy the right option from our off-the-shelf products or a custom designed solution to meet your specific requirement. Our global network of engineers evaluates each design with knowledge of manufacturing, tolerancing, and integration. In addition to a team of dedicated imaging solution support engineers, EO-designed TECHSPEC® Imaging Lenses are fully supported by downloadable 3D models, datasheets, and drawings.

## DESIGN



- **Large, Global Staff of Optical and Mechanical Designers**
- **Broad Design Expertise**  
From the UV and Visible to NIR, SWIR, MWIR, and LWIR  
From Lenses for 1/8" and 1/4" Sensors to 90 mm  
16 k Line Scan Arrays  
From Telecentrics to Telephoto to Night Vision
- **Multitude of Design Tools**  
Zemax  
CODE V®  
FRED®  
SolidWorks®  
MATLAB®
- **Designs for Prototype to Volume Production**

## TECHSPEC® IMAGING LENSES

	Fixed Focal Length Lenses	Telecentric Measuring Lenses	Fixed Magnification Lenses
<b>Sensor Sizes</b>	up to 43,3 mm	up to 30 mm	up to 90 mm
<b>Resolution</b>	up to 29 Megapixel	up to 5 Megapixel	up to 12 k Line Scan
<b>Lens Mounts</b>	C-Mount, F-Mount, S-Mount, M42	C-Mount, F-Mount, M42	C-Mount, F-Mount, M42, M72
<b>Number of Options</b>	120+	75+	65+
<b>Modifications Available</b>	Focal Length, Housing, f/#, Coating	Magnification, Housing, f/#, In-line Illumination, Working Distance	Magnification, Housing
<b>Custom Design Capabilities</b>	Yes	Yes	Yes

## MODIFICATIONS AND CUSTOMIZATION



- **Common Modifications**  
Reoptimizing Lens Working Distance  
Replacing Iris with Fixed Aperture  
Adjusting Standard Magnification  
Illumination Integration  
Path Bending Systems  
Housing Modifications  
Filter Integration  
Changing Camera Mount  
Complete Design Adjustment
- **Ground Up Design Capabilities**  
Large Field of View  
Telecentrics  
Fully Optimized Large Format Lenses  
Designs Tailored to Your Exact Application  
Ultra High Resolution  
Lenses Optimized for Your Application  
Compact Systems

## TECHNICAL EXPERTISE



- **Get Support Your Way!**  
Phone  
Email  
Online Chat  
Video Tutorials
- **Dedicated Global Technical Support Team**
- **Detailed Specifications**  
40,000+ of Documents and Drawings for Download  
Resolution (MTF) Curves  
Distortion Curves  
Relative Illumination Plots  
Depth of Field Curves  
2D & 3D Drawings  
Design Simulations
- **Over 150 Engineers on Staff**
- **Global Network of VIPs (Vision Integration Partners) to Facilitate System Setup**

## PRODUCTS



- **Over 800 Unique Stock Imaging Lenses**  
200 EO TECHSPEC® Lens Designs
- **Fixed Focal Length Lenses**  
Up to 43,3 mm Sensor Format  
Camera Mount Options Include S-, C-, F-, and M42 Mounts  
29 Megapixel Resolution and Greater
- **Telecentric Measuring Lenses**  
Up to 30 mm Sensor Format  
Camera Mount Options Include C-, F-, and M42 Mounts  
6 Megapixel Resolution and Greater
- **Fixed Magnification Lenses**  
Up to 90 mm Sensor Format  
Camera Mount Options Include C-, F-, M42, and M72 Mounts  
Up to 16 k Line Scan Resolution
- **Products to Build Your Entire Vision System:**  
Cameras      Filters  
Illumination      Mirrors  
Targets      Prisms  
Mounting
- **Modifications and Customization Available**

## MANUFACTURING



- **Global Manufacturing**  
United States  
Japan  
Singapore  
China
- **Broad Optical Component Expertise**  
Assemblies  
Spherical and Aspheric Lenses  
Prisms, Beamsplitters, and Filters  
Quantities from Prototypes to Volume Production
- **World Class Testing and Quality Assurance**  
MTF and CTF  
Stray Light  
Telecentricity  
Transmission and Reflection from UV to VIS to NIR
- **Over 50,000 Lens Assemblies Produced Annually**