

YOUR PARTNER IN IMAGING OPTICS



- ❑ Over 800 Imaging Lenses In Stock and Available Now
- ❑ Covering Sensors up to 90mm
- ❑ 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 1/3" and 1/4" Sensors to 90mm 16k 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
Sensor Sizes	up to 43.3mm	up to 30mm	up to 90mm
Resolution	up to 29 Megapixel	up to 16 Megapixel	up to 12k Line Scan
Lens Mounts	C-Mount, F-Mount, S-Mount, M42	C-Mount, F-Mount, M42	C-Mount, F-Mount, M42, M72
Number of Options	130+	75+	70+
Modifications Available	Focal Length, Housing, f/#, Coating	Magnification, Housing, f/#, In-line Illumination, Working Distance	Magnification, Housing
Custom Design Capabilities	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



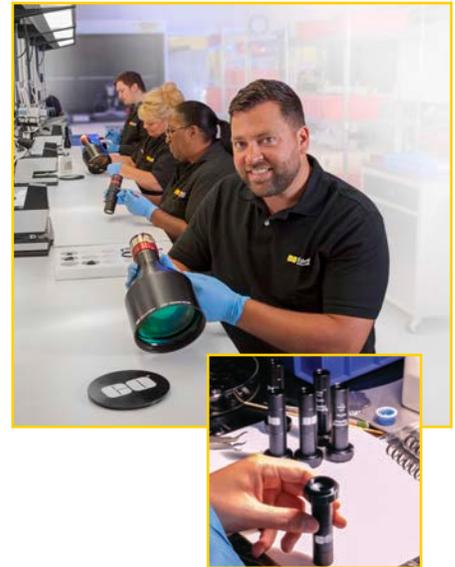
- **Get Support Your Way**
Phone
Email
Online Chat
Video Tutorials
- **Dedicated Global Technical Support Team**
- **Detailed Specifications**
45,000+ of Documents and Drawings for Download
Resolution (MTF) Curves
Distortion Curves
Relative Illumination Plots
Depth of Field Curves
2D & 3D Drawings
Design Simulations
- **Over 150 Engineers on Staff**
- **Global Network of VIPs (Vision Integration Partners) to Facilitate System Setup**

PRODUCTS



- **Over 800 Unique Stock Imaging Lenses**
220+ EO TECHSPEC® Lens Designs
- **Fixed Focal Length Lenses**
Up to 43.3mm Sensor Format
Camera Mount Options Include S-, C-, F-, and M42 Mounts
29 Megapixel Resolution and Greater
- **Telecentric Measuring Lenses**
Up to 30mm Sensor Format
Camera Mount Options Include C-, F-, and M42 Mounts
16 Megapixel Resolution and Greater
- **Fixed Magnification Lenses**
Up to 90mm Sensor Format
Camera Mount Options Include C-, F-, M42, and M72 Mounts
Up to 16k 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**