

8.5mm FL Ultra High Resolution Fixed Focal Length Lenses



#68-684



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General

Series:

ltra High Resolution Fixed Focal Length Lenses

Type:

Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:

Variable	
Length (mm):	56.00
Maximum Diameter (mm):	36.0
Outer Diameter (mm):	36

Weight (g):	115.00
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Optical Properties

Field of View @ Min Working Distance (mm):	96.5
Horizontal Field of View, 1/2" Sensor:	96.5mm - 40.8°

Maximum Image Circle (mm):	11.00
Focal Length FL (mm):	8.50

Working Distance (mm):	100 - ∞
Aperture (f/#):	f/1.8 - f/22

Maximum Distortion (%):	<0.31%
Lens Wavelength Range:	VIS

Sensor

Maximum Sensor Format:	2/3"
Pixel Size (µm):	2.40

Threading & Mounting

Filter Thread:	M34 x 0.50
Mount:	C-Mount

Regulatory Compliance

RoHS 2015:	Exempt
Certificate of Conformance:	View
REACH 241:	Contains SVHC(s)
Country of Origin:	Japan
Imported By:	Edmund Optics India Private Limited

Product Details

- 2/3", C-Mount Lens
- Up to 10 MegaPixels, 2.4µm Pixel Size Sensors
- Spectral Range of 400 - 1000nm
- 5mm to 50mm Focal Lengths

Ultra High Resolution Fixed Focal Length Lenses are designed to provide 10 MegaPixel resolution on axis. These lenses have a spectral range of 400 to 1000nm. Through the use of a floating focus and aspheric lens elements, these high-resolution lenses are able to maintain excellent performance from 100mm to infinity. Ultra High Resolution Fixed Focal Length Lenses feature locking focus, iris rings, and a front filter thread to allow the use of standard optical filters for increased versatility. The lenses are available in 7 focal length options and feature very low distortion.