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E Series 8mm 2/3" Format Fixed Focal Length Lens



Stock #29-995 NEW 5 In Stock

- 1 + A\$414⁴⁰

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Volume Pricing	
Qty 1+	A\$414.40 each
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General

Product Family:

E Series

Note:

It is recommended to use [C-Mount Camera Imaging Filters](#) when filters are required.

Imaging Lens Type:

Fixed Focal Length Lens

Physical & Mechanical Properties

Variable	Iris Option:
40.31	Length (mm):
30.5	Maximum Diameter (mm):
30.5	Outer Diameter (mm):
0.00	Maximum Rear Protrusion (mm):
40.58	Maximum Length (mm):

Optical Properties

59.1°	Horizontal Field of View @ Max Sensor Format:
49.1°	Horizontal Field of View, 1/1.8" Sensor:
44.0°	Horizontal Field of View, 1/2" Sensor:
11.00	Maximum Image Circle (mm):
0.003	Numerical Aperture NA, Object Side:
8 (7)	Number of Elements (Groups):
400 - 700	Wavelength Range (nm):
8.00	Focal Length FL (mm):
250 - ∞	Working Distance (mm):
f/4 - f/16	Aperture (f/#):
0.747	Back Focal Length BFL (mm):
λ/4 MgF ₂	Coating:
14.03	Entrance Pupil Position (mm):
19.28	Object Space Principal Plane (mm):
9.25	Image Space Principal Plane (mm):
2.88	Maximum Distortion (%):
-5.40	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:
VIS	Wavelength:

Sensor

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

Threading & Mounting

N/A	Filter Thread:
M28.0 x 0.5 (Male)	Front Thread:
C-Mount	Mount:

Environmental & Durability Factors

-20 to +60 For questions regarding operating temperature please contact our support team	Storage Temperature (°C):

Product Details

- Cost Effective Solution for Systems that Require Large Depth of Field
- Up to 2/3", C-Mount Lens
- Ideal for Logistics and Barcode Scanning Applications

Edmund Optics E Series Fixed Focal Length Lenses provide an affordable fixed focal length imaging solution without compromising performance. These lenses are designed for logistics applications that need to identify product size and shape, read barcodes, and help find product locations. These systems often don't require lenses designed with more demanding specifications like large format sensor coverage and small pixels, which can be costly. Edmund Optics E Series Fixed Focal Length Lenses are a balance of performance and cost designed with a maximum format of 2/3". To maintain affordability in prototyping and mass production, the lens housings have been simplified by removing focusing mechanics. However, the focus can still be adjusted by threading the lenses into and out of the camera, then locked with a locking ring. These lenses maintain performance control with an adjustable iris ranging from f/4 to f/16.