E Series 25mm ⅔" Format Fixed Focal Length Lens

Stock **#27-044**   **2 In Stock**

⊖   1   ⊕   **C$362**⁶⁰

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Volume Pricing	
Qty 1+	**C$362.60** each
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General

Series:	
E Series	

Physical & Mechanical Properties

Iris Option:	
Variable	
Length (mm):	
30.83	

	Outer Diameter (mm):
25	

Optical Properties

	Horizontal Field of View, 2/3" Sensor:
19.9°	
	Maximum Image Circle (mm):
11.00	
	Number of Elements (Groups):
5 (4)	
	Focal Length FL (mm):
25.00	
	Working Distance (mm):
250 - ∞	
	Aperture (f/#):
f/4 - f/16	
	Coating:
λ/4 MgF$_2$	
	Maximum Distortion (%):
0.96	
	Lens Wavelength Range:
VIS	

Sensor

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

Threading & Mounting

	Filter Thread:
M22.5x0.5	
	Mount:
C-Mount	

Regulatory Compliance

	Certificate of Conformance:
View	

Product Details

- Cost Effective Solution for Systems that Require Large Depth of Field
- Up to ⅔", 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.

Technical Information

Distortion, #27-044

Wavelength
656.3 nm
587.6 nm
486.1 nm

Angular Field (Degrees) vs Distortion (%)

Relative Illumination, #27-044

Illumination (%) vs Image Height (mm)

Sensor Size: 1/4" 1/3" 1/2" 1/1.8" 2/3"

Depth of Field: f/5.6, 2000mm Focus Distance #27-044

TS 5.50mm	
TS 4.50mm	
TS 3.00mm	
TS 0.00mm	

Focus Position

Contrast (%) vs Working Distance (mm)