50mm Focal Length Lens, 1" Sensor Format

1" Format Fixed Focal Length Lenses

+3

Stock **#63-248**   **5 In Stock**

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● Price inclusive of all taxes

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General

Product Family:
1" Format Fixed Focal Length Lenses

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:	
Variable	
Length (mm):	
49.00	
Maximum Diameter (mm):	
47.5	
Outer Diameter (mm):	
47.5	
Weight (g):	
200	

Optical Properties

Horizontal Field of View, 1" Sensor:	
14.5°	
Maximum Image Circle (mm):	
16.00	
TV Distortion (%):	
<0.05	
Focal Length FL (mm):	
50.00	
Working Distance (mm):	
500 - ∞	
Aperture (f/#):	
f/1.4 - f/16	
Maximum Distortion (%):	
< 0.05%	
Lens Wavelength Range:	
VIS	

Sensor

Maximum Sensor Format:	
1"	
Pixel Size (µm):	
5.00	

Threading & Mounting

Filter Thread:	
M40.5 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 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	

Product Details

- Up to 1", C-Mount Lens
- "Fast" Lenses for Increased Throughput
- 4.7mm to 75mm Focal Length

1" Format Fixed Focal Length Lenses provide high throughput and high resolution across the entire camera sensor, allowing for excellent imaging even in less-than-ideal lighting conditions. Offered in 9 focal lengths from 4.7mm to 75mm, this complete family covers many of the applications in the market today. Engineered to minimize distortion, these lenses provide a perfect image for a human operator or an automated system. 1" Format Fixed Focal Length Lenses also feature a standard C-Mount lens mount for easy integration with the most common machine vision **cameras** we offer. All lenses feature front filter threading to attach to your choice of **optical filter**.

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