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50mm Focal Length Lens, 1" Sensor Format



1" Format Fixed Focal Length Lenses



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⊖ 1 ⊕ **SS\$1,065⁰⁰**

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General

Product Family:
1" Format Fixed Focal Length Lenses

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:

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

Optical Properties

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

Sensor

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

Threading & Mounting

M40.5 x 0.50	Filter Thread:
C-Mount	Mount:

Regulatory Compliance

Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

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](#).