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## 50mm Focal Length Lens, 1.1" Sensor Format



Compact Fixed Focal Length Lenses for 1.1" Sensors

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### General

**Product Family:**  
Compact 1.1" Fixed Focal Length Lenses

**Type:**  
Fixed Focal Length Lens

### Physical & Mechanical Properties

**Iris Option:**  
Variable

45.20	<b>Length (mm):</b>
39.5	<b>Maximum Diameter (mm):</b>
39.5	<b>Outer Diameter (mm):</b>
107.0	<b>Weight (g):</b>

## Optical Properties

16.2°	<b>Horizontal Field of View @ Max Sensor Format:</b>
16.2°	<b>Horizontal Field of View, 1.1" Sensor:</b>
17.60	<b>Maximum Image Circle (mm):</b>
50.00	<b>Focal Length FL (mm):</b>
500 - ∞	<b>Working Distance (mm):</b>
f/2.8 - f/16	<b>Aperture (f/#):</b>
0.1	<b>Distortion (%):</b>
0.1	<b>Maximum Distortion (%):</b>
VS	<b>Lens Wavelength Range:</b>

## Sensor

1.1"	<b>Maximum Sensor Format:</b>
3.45	<b>Pixel Size (µm):</b>

## Threading & Mounting

M34 x 0.50	<b>Filter Thread:</b>
C-Mount	<b>Mount:</b>

## Regulatory Compliance

<a href="#">Exempt</a>	<b>RoHS 2015:</b>
<a href="#">Contains SVHC(s)</a>	<b>Reach 224:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- 1.1" Sensor, C-mount Lens
- Compact Size and Lightweight
- 8mm to 50mm Focal Length

Compact Fixed Focal Length Lenses for 1.1" Sensors are designed for 1.1" format camera sensors with a 17mm diameter image circle. Their f/2.8 designs allow for small, compact sizes ideal for space constrained applications. These lenses are lightweight and available in a range of focal lengths from 8mm to 50mm. Compact Fixed Focal Length Lenses for 1.1" Sensors feature standard C-Mount lens mounts with both locking iris and locking focus for integration into industrial machine vision applications.