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## 12mm 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

**Length (mm):**  
36.10

|      |                               |
|------|-------------------------------|
| 42.0 | <b>Maximum Diameter (mm):</b> |
| 42   | <b>Outer Diameter (mm):</b>   |
| 98.3 | <b>Weight (g):</b>            |

## Optical Properties

|              |  |
|--------------|--|
| 60.5°        | <b>Horizontal Field of View @ Max Sensor Format:</b> |
| 60.5°        | <b>Horizontal Field of View, 1.1" Sensor:</b>        |
| 17.60        | <b>Maximum Image Circle (mm):</b>                    |
| 12.00        | <b>Focal Length FL (mm):</b>                         |
| 300 - ∞      | <b>Working Distance (mm):</b>                        |
| f/2.8 - f/16 | <b>Aperture (f/#):</b>                               |
| -0.5         | <b>Distortion (%):</b>                               |
| -0.5         | <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

|              |                       |
|--------------|-----------------------|
| M40.5 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.