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## 1.8 - 3.0mm FL CS-Mount, Auto Iris, Wide Angle Lens



1.28mm FL C-Mount, Manual Iris, Wide Angle Lens, #62-050



Stock #85-163 [CONTACT US](#)

⊖ 1 ⊕ **\$725<sup>00</sup>**

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### General

Product Family:  
Low Distortion Wide Angle Lenses

Type:  
Varifocal Lens

Style:  
Auto Iris

### Physical & Mechanical Properties

DC Auto Iris	<b>Iris Option:</b>
50.00	<b>Length (mm):</b>
39.0	<b>Maximum Diameter (mm):</b>
39	<b>Outer Diameter (mm):</b>
70.00	<b>Weight (g):</b>

## Optical Properties

105 - 77°	<b>Horizontal Field of View, 1/3" Sensor:</b>
7.40	<b>Maximum Image Circle (mm):</b>
1.80	<b>Focal Length FL (mm):</b>
500 - ∞	<b>Working Distance (mm):</b>
f/1.8 - Closed	<b>Aperture (f/#):</b>
<1	<b>Distortion (%):</b>
<1	<b>Maximum Distortion (%):</b>
VIS	<b>Lens Wavelength Range:</b>

## Sensor

1/2.5"	<b>Maximum Sensor Format:</b>
4.50	<b>Pixel Size (µm):</b>

## Threading & Mounting

N/A	<b>Filter Thread:</b>
CS-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

- Up to 1/2.5", C-Mount and CS-Mount options
- Up to 3 MegaPixel and Down to 1% Distortion
- No Refocusing from 100mm to Infinity
- 1.28mm to 40mm Focal Length

Low Distortion Wide Angle Lenses maintain high resolution for applications with long working distance requirements and can accommodate multi-megapixel camera sensors. The optical design of these low-distortion wide-angle lenses enables users to achieve less than 3% distortion over a 125° field of view, or less than 1% distortion over a 110° field of view. These lenses feature a locking screw for the manual iris enabling the use in high vibration environments. Low Distortion Wide Angle Lenses are ideal for security and surveillance, machine vision, or [factory automation](#) applications. These lenses do not require refocusing from 100mm to Infinity.

**Note:** Image will be flipped (180° rotation). Auto Iris Options require cameras with P-Iris or DC Iris control.