

6mm FL Wide Angle Low Distortion Lens



#68-669

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⊖ 1 ⊕ **\$782⁰⁰**

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General

Product Family:
Low Distortion Wide Angle Lenses

Type:
Fixed Focal Length Lens

Physical & Mechanical Properties

Iris Option:
Fixed

Length (mm):
45.80

34.0 **Maximum Diameter (mm):**

34 **Outer Diameter (mm):**

100.00 **Weight (g):**

Optical Properties

125.00 **Field of View @ Min Working Distance (mm):**

56.2° **Horizontal Field of View, 1/2" Sensor:**

8.00 **Maximum Image Circle (mm):**

6.00 **Focal Length FL (mm):**

100 - ∞ **Working Distance (mm):**

f/1.2 **Aperture (f/#):**

<-0.2 **Distortion (%):**

<-0.2 **Maximum Distortion (%):**

VIS **Lens Wavelength Range:**

Sensor

1/2" **Maximum Sensor Format:**

4.50 **Pixel Size (µm):**

Threading & Mounting

M30.5 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 1/2.5", 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.