

3.5mm FL Wide Angle Low Distortion Lens



#68-669

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General

Low Distortion Wide Angle Lenses **Series:**

Fixed Focal Length Lens **Type:**

Physical & Mechanical Properties

Fixed **Iris Option:**

38.20 **Length (mm):**

42.0 **Maximum Diameter (mm):**

42 **Outer Diameter (mm):**

75.00 **Weight (g):**

Optical Properties

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

82.4° **Horizontal Field of View, 1/2" Sensor:**

66.9° **Horizontal Field of View, 1/3" Sensor:**

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

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

100 - ∞ **Working Distance (mm):**

f/2.4 **Aperture (f/#):**

<0.4 **Distortion (%):**

<0.4 **Maximum Distortion (%):**

VIS **Lens Wavelength Range:**

Sensor

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

4.50 **Pixel Size (µm):**

Threading & Mounting

M40.5 x 0.50 **Filter Thread:**

C-Mount **Mount:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Japan **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

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.