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5mm FL Wide Angle Low Distortion Lens

#68-670

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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):
38.20

Maximum Diameter (mm):
42.0

Outer Diameter (mm):
42

Weight (g):
75.00

Optical Properties

Field of View @ Min Working Distance (mm):
200.00

Horizontal Field of View, 2/3" Sensor:
82.4°

Horizontal Field of View, 1/2" Sensor:
65.2°

Maximum Image Circle (mm):
11.00

Focal Length FL (mm):
5.00

Working Distance (mm):
150 - ∞

Aperture (f/#):
f/2.8

Distortion (%):
<0.5

Maximum Distortion (%):
<0.5

Lens Wavelength Range:
VIS

Sensor

Maximum Sensor Format:
2/3"

Pixel Size (µm):
4.50

Threading & Mounting

Filter Thread:
M40.5 x 0.50

Mount:
C-Mount

Regulatory Compliance

Certificate of Conformance:
View

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.

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