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1.0X, High Resolution Inline Telecentric Lens

Stock **#65-027** **1 In Stock**

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General

Product Family:
High Res In-Line Illumination C-Mnt Telecentric Lenses

Note:
Magnification Tolerance %: ±3

Type:
Telecentric Lens

Compatible Light Guide/Source:
1/4" (0.312")

Type of Illumination:
In-Line Illumination

Physical & Mechanical Properties

Length (mm):
200.00

Maximum Diameter (mm):
45

Optical Properties

Horizontal Field of View, 2/3" Sensor:
8.8mm

Maximum Image Circle (mm):
11.00

Numerical Aperture NA, Object Side:
0.072

Resolving Power, Image Space (µm):
5.20

Working Distance Tolerance (mm):
±1.00

Primary Magnification PMAG:
1X

Telecentric Lens Magnification:
1.00

Working Distance (mm):
120.00

Aperture (f/#):
f/7 - Closed

Distortion (%):
≤0.05

Magnification:
1X

Lens Wavelength Range:
VIS

Sensor

Maximum Sensor Format:
2/3"

Pixel Size (µm):
2.60

Threading & Mounting

Filter Thread:
N/A

Mount:
C-Mount

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Designed for High Resolution Imaging
- In-line Illumination Port (0.312" Ferrule)
- 2/3" Max. Sensor Format

This line of high resolution telecentrics was designed to allow of in-line illumination. This make them ideal for applications that need intense and direct illumination. The coaxial port accepts ¼" fiber bundles with a 0.312" ferrule diameter, which readily connects to our wide selection of light guides and illuminators.

The lenses feature a standard C-Mount threading to connect to the most common 2/3" and smaller machine vision cameras. Designed to have =0.05% distortion, these lenses are perfect for challenging measurement applications.

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