

2.0X, High Resolution Inline Telecentric Lens



Stock #65-028 **1 In Stock**

A\$6,056⁰⁰

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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):

250.00

Maximum Diameter (mm):

54

Optical Properties

Horizontal Field of View, 2/3" Sensor:

4.4mm

Maximum Image Circle (mm):

11.00

Numerical Aperture NA, Object Side:

0.13

Resolving Power, Image Space (μm):

5.70

Working Distance Tolerance (mm):

± 1.00

Primary Magnification PMAG:

2X

Telecentric Lens Magnification:

2.00

Working Distance (mm):

100.00

Aperture (f/#):

f/8 - Closed

Distortion (%):

≤ 0.05

Magnification:

2X

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 1/4" 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 $\approx 0.05\%$ distortion, these lenses are perfect for challenging measurement applications.