

2.0X, High Resolution Inline Telecentric Lens



Stock #65-028 **2 In Stock**

⊖ 1 ⊕ €3.785⁰⁰

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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")

In-Line Illumination **Type of Illumination:**

Physical & Mechanical Properties

250.00 **Length (mm):**

54 **Maximum Diameter (mm):**

Optical Properties

4.4mm **Horizontal Field of View, 2/3" Sensor:**

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

0.13 **Numerical Aperture NA, Object Side:**

5.70 **Resolving Power, Image Space (μm):**

± 1.00 **Working Distance Tolerance (mm):**

2X **Primary Magnification PMAG:**

2.00 **Telecentric Lens Magnification:**

100.00 **Working Distance (mm):**

f/8 - Closed **Aperture (f#):**

≤ 0.05 **Distortion (%):**

2X **Magnification:**

VIS **Lens Wavelength Range:**

Sensor

2/3" **Maximum Sensor Format:**

2.60 **Pixel Size (μm):**

Threading & Mounting

N/A **Filter Thread:**

C-Mount **Mount:**

Regulatory Compliance

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

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.