

1.0X, High Resolution Inline Telecentric Lens



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

- 1 + £2,650.⁰⁰

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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:

Physical & Mechanical Properties

200.00 Length (mm):

45 Maximum Diameter (mm):

Optical Properties

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

11.00 Maximum Image Circle (mm):

0.072 Numerical Aperture NA, Object Side:

5.20 Resolving Power, Image Space (μm): ± 1.00 Working Distance Tolerance (mm):

1X Primary Magnification PMAG:

1.00 Telecentric Lens Magnification:

120.00 Working Distance (mm):

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

 ≤ 0.05 Distortion (%):

1X Magnification:

VS 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 $\pm 0.05\%$ distortion, these lenses are perfect for challenging measurement applications.