

0.19X, High Resolution Inline Telecentric Lens



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⊖ 1 ⊕ £3,687⁰⁰

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Volume Pricing

Qty 1+	£3,687.00 each
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Product Downloads

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

171.60 **Length (mm):**

80 **Maximum Diameter (mm):**

Optical Properties

46.9mm **Horizontal Field of View, 2/3" Sensor:**

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

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

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

± 3.00 **Working Distance Tolerance (mm):**

0.19X **Primary Magnification PMAG:**

0.19 **Telecentric Lens Magnification:**

110.00 **Working Distance (mm):**

f/6 **Aperture (f#):**

≤ 0.02 **Distortion (%):**

0.19X **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.