

0.19X, High Resolution Inline Telecentric Lens



Stock #65-026 [CONTACT US](#)

− 1 + \$6,452.⁰⁰

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Qty 1+	\$6,452.00 each
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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):

171.60

Maximum Diameter (mm):

80

Optical Properties

Horizontal Field of View, 2/3" Sensor:

46.9mm

Maximum Image Circle (mm):

11.00

Numerical Aperture NA, Object Side:

0.017

Resolving Power, Image Space (μm):

4.00

Working Distance Tolerance (mm):

± 3.00

Primary Magnification PMAG:

0.19X

Telecentric Lens Magnification:

0.19

Working Distance (mm):

110.00

Aperture (f/#):

f/6

Distortion (%):

≤ 0.02

Magnification:

0.19X

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