

## 1.0X, High Resolution Inline Telecentric Lens



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

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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

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 ( $\mu\text{m}$ ):**

$\pm 1.00$  **Working Distance Tolerance (mm):**

1X **Primary Magnification PMAG:**

1.00 **Telecentric Lens Magnification:**

120.00 **Working Distance (mm):**

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

$\leq 0.05$  **Distortion (%):**

1X **Magnification:**

VIS **Lens Wavelength Range:**

## Sensor

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

2.60 **Pixel Size ( $\mu\text{m}$ ):**

## 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.