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0.5X 65mm WD, In-Line Illumination 1.2" Telecentric Lens

1.2” Sensor In-Line Illumination Telecentric Lenses

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S$5,223.00

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General

Product Family:
1.2” Sensor In-Line Illumination Telecentric Lenses

Type:
Telecentric Lens

Compatible Light Guide/Source:
1/4" (0.312")

Type of Illumination:
In-Line Illumination

Physical & Mechanical Properties

Length (mm):
160.00

Ferrule Diameter (inches):
0.312

Maximum Diameter (mm):
60.0

Optical Properties

Horizontal Field of View @ Max Sensor Format:
29.00mm

Horizontal Field of View, 2/3" Sensor:
16.0mm

Horizontal Field of View, 1/2" Sensor:
13.6mm

Maximum Image Circle (mm):
19.30

Primary Magnification PMAG:
0.5X

Telecentric Lens Magnification:
0.50

Working Distance (mm):
65.00

Aperture (f/#):
f/6.0

Distortion (%):
<0.01%

Magnification:
0.5X

Lens Wavelength Range:
VIS

Sensor

Maximum Sensor Format:
1.2"

Pixel Size (µm):
2.74

Threading & Mounting

Filter Thread:
N/A

Mount:
C-Mount

Regulatory Compliance

Certificate of Conformance:
View

Reach 242:
Contains SVHC(s)

Product Details

- 1.2” Max Sensor Format
- Fiber Optic Input for In-line Illumination
- Long Working Distance

1.2” Sensor In-Line Illumination Telecentric Lenses are designed for cameras with SONY IMX367, 530, and 540 or equivalents allowing for large fields of view. Theses lenses are designed with an in-line illumination port that accepts a ¼” fiber optic light guide with incorporated M3 set screws in the in-line illumination port to light guide and include a lockable ring to rotate the lens and ensure alignment with the camera sensor. These telecentric lenses are designed to achieve high coaxial uniformity on 3µm, 24.5MP sensors and reduce parallax errors yielding maximum image quality with an excellent degree of measurement accuracy. 1.2” Sensor In-Line Illumination Telecentric Lenses are available in magnifications ranging from 0.5X – 3.45X and offer low f/#s and a low distortion of <0.01%. These lenses are ideal for applications including machine vision, metrology, automotive and electronic inspection, measurement, and gauging.

Note: ¼" **Fiber optic light guides** are sold separately.

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