

TECHSPEC® 0.16X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-624** 1 In Stock

-

1

+

A\$928^{.00}

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SPECIFICATIONS

General

Silver SWIR Series

Series:

Stock No. of Mounting Clamp:

#56-871 Sold Separately

Telecentric Lens

Type:

Physical & Mechanical Properties

Variable

Iris Option:

191.00

Length (mm):

191.00

Length excluding Threads (mm):

65.00

Maximum Diameter (mm):

416

Weight (g):

Anodized Aluminum

Construction:

Optical Properties

40mm

Horizontal Field of View, 1/2" Sensor:

30mm

Horizontal Field of View, 1/3" Sensor:

8.00

Maximum Image Circle (mm):

0.008

Numerical Aperture NA, Object Side:

±3

Working Distance Tolerance (mm):

>40% @ 40 lp/mm

Resolution, Image Space MTF @ f/10:

8 (6)

Number of Elements (Groups):

900 - 1700

Wavelength Range (nm):

<0.030

Typical Telecentricity @ 588nm (°):

<0.015

Typical Distortion @ 588nm (%):

0.16X

Primary Magnification PMAG:

0.16

Telecentric Lens Magnification:

177.00

Working Distance (mm):

40.0 x 30.0

FOV @ Max Sensor Format, H x V (mm):

f/6 - f/22

Aperture (f/#):

900 - 1700nm BBAR

Coating:

±19.74 at f/10 (20% @ 20 lp/mm)

Depth of Field (mm):

0.16X

Magnification:

SWR

Lens Wavelength Range:

Sensor

1/2"

Maximum Sensor Format:

2.74

Pixel Size (µm):

Threading & Mounting

M62 x 0.75 (Female)

Filter Thread:

C-Mount

Mount:

Regulatory Compliance

View

Certificate of Conformance:

PRODUCT DETAILS

- High Resolution f/6 Bi-Telecentric Lenses with Inline Illumination Options
- Up to 7.5 MegaPixels, 2.8µm Pixel Size Sensors
- Eliminate Parallax Error in Measurement Applications
- SWIR Coated Lenses for 900-1700nm Wavelength Range

TECHSPEC® SilverTL™ Telecentric Lenses are designed with broadband AR coatings optimized for a 900 – 1700nm wavelength range. These lenses combine high quality optics with a simplified non-focusing mechanical design and adjustable iris with a locking set screw. For optimum resolution and performance at the application's target spectral range, [SWIR Machine Vision filters](#) and [SWIR LED illumination](#) are recommended. TECHSPEC® SilverTL™ Telecentric Lenses feature a standard front filter thread for use with color filters, polarizers, protective windows, and illumination adapters for LED or fiber-optic ring lights. These lenses are ideal for semi-conductor measuring and both on-line and off-line machine vision production applications that require precise measurements.

Note: Mounting brackets are available that fit the 30mm diameter mounting surface.
