

**TECHSPEC® 0.40X SilverTL™ SWIR Telecentric Lens**



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-628** **1 In Stock**

- 1 + **A\$928<sup>.00</sup>**

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Volume Pricing

Qty 1+	<b>A\$928.00</b> each
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**General**

Silver SWIR Series **Product Family:**

**Stock No. of Mounting Clamp:**  
**#56-871** Sold Separately

Telecentric Lens **Type:**

**Physical & Mechanical Properties**

Variable	<b>Iris Option:</b>
159.00	<b>Length (mm):</b>
159.00	<b>Length excluding Threads (mm):</b>
45.00	<b>Maximum Diameter (mm):</b>
228	<b>Weight (g):</b>
Anodized Aluminum	<b>Construction:</b>

## Optical Properties

18mm	<b>Horizontal Field of View, 1/1.8" Sensor:</b>
16mm	<b>Horizontal Field of View, 1/2" Sensor:</b>
12mm	<b>Horizontal Field of View, 1/3" Sensor:</b>
9.00	<b>Maximum Image Circle (mm):</b>
0.033	<b>Numerical Aperture NA, Object Side:</b>
±3	<b>Working Distance Tolerance (mm):</b>
>40% @ 40 lp/mm	<b>Resolution, Image Space MTF @ f/10:</b>
7 (4)	<b>Number of Elements (Groups):</b>
900 - 1700	<b>Wavelength Range (nm):</b>
<0.015	<b>Typical Telecentricity @ 588nm (°):</b>
<0.020	<b>Typical Distortion @ 588nm (%):</b>
0.4X	<b>Primary Magnification PMAG:</b>
0.40	<b>Telecentric Lens Magnification:</b>
103.00	<b>Working Distance (mm):</b>
18.0 x 13.5	<b>FOV @ Max Sensor Format, H x V (mm):</b>
f/6 - f/22	<b>Aperture (f/#):</b>
900 - 1700nm BBAR	<b>Coating:</b>
±3.0 at f/10 (20% @ 20 lp/mm)	<b>Depth of Field (mm):</b>
0.4X	<b>Magnification:</b>
SWIR	<b>Lens Wavelength Range:</b>

## Sensor

1/1.8"	<b>Maximum Sensor Format:</b>
2.74	<b>Pixel Size (µm):</b>

## Threading & Mounting

M43 x 0.75 (Female)	<b>Filter Thread:</b>
C-Mount	<b>Mount:</b>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## 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.

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