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## TECHSPEC® 0.25X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-626** **1 In Stock**

⊖ 1 ⊕ **\$813<sup>00</sup>**

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| Qty 1+         | \$813.00 each                 |
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### Product Downloads

### General

Silver SWIR Series **Product Family:**  
**Stock No. of Mounting Clamp:**  
[#56-871](#) Sold Separately

Telecentric Lens **Type:**

### Physical & Mechanical Properties

|                   |                                |
|-------------------|--------------------------------|
| Variable          | Iris Option:                   |
| 158.00            | Length (mm):                   |
| 158.00            | Length excluding Threads (mm): |
| 48.00             | Maximum Diameter (mm):         |
| 266               | Weight (g):                    |
| Anodized Aluminum | Construction:                  |

## Optical Properties

|                               |  |
|-------------------------------|--|
| 26.6mm                        | Horizontal Field of View, 1/2" Sensor: |
| 19.2mm                        | Horizontal Field of View, 1/3" Sensor: |
| 8.00                          | Maximum Image Circle (mm):             |
| 0.021                         | Numerical Aperture NA, Object Side:    |
| ±3                            | Working Distance Tolerance (mm):       |
| >40% @ 40 lp/mm               | Resolution, Image Space MTF @ f/10:    |
| 8 (5)                         | Number of Elements (Groups):           |
| 900 - 1700                    | Wavelength Range (nm):                 |
| <0.035                        | Typical Telecentricity @ 588nm (°):    |
| <0.040                        | Typical Distortion @ 588nm (%):        |
| 0.25X                         | Primary Magnification PMAG:            |
| 0.25                          | Telecentric Lens Magnification:        |
| 160.00                        | Working Distance (mm):                 |
| 26.6 x 19.8                   | FOV @ Max Sensor Format, H x V (mm):   |
| f/6 - f/22                    | Aperture (f/#):                        |
| 900 - 1700nm BBAR             | Coating:                               |
| ±8.2 at f/10 (20% @ 20 lp/mm) | Depth of Field (mm):                   |
| 0.25X                         | Magnification:                         |
| SWIR                          | Lens Wavelength Range:                 |

## Sensor

|      |                        |
|------|------------------------|
| 1/2" | Maximum Sensor Format: |
| 2.74 | Pixel Size (µm):       |

## Threading & Mounting

|                     |                |
|---------------------|----------------|
| M46 x 0.75 (Female) | Filter Thread: |
| C-Mount             | Mount:         |

## Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | 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.

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