

TECHSPEC® 0.40X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



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

- 1 + €1.160⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | €1.160,00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

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: |
| 159.00 | Length (mm): |
| 159.00 | Length excluding Threads (mm): |
| 45.00 | Maximum Diameter (mm): |
| 228 | Weight (g): |
| Anodized Aluminum | Construction: |

Optical Properties

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

Sensor

| | |
|--------|------------------------|
| 1/1.8" | Maximum Sensor Format: |
| 2.74 | Pixel Size (µm): |

Threading & Mounting

| | |
|---------------------|----------------|
| M43 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.
