

TECHSPEC<sup>®</sup> 0.50X In-Line Illumination SilverTL<sup>™</sup> SWIR Telecentric Lens



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Stock **#26-630** 13 In Stock

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1

+

£1,612<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1+         | £1,612.00 each                |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Silver SWIR Series

Series:

**Stock No. of Mounting Clamp:**  
[#56-871](#) Sold Separately

Telecentric Lens

Type:

|                                  |                                          |                       |
|----------------------------------|------------------------------------------|-----------------------|
| In-Line Illumination             |                                          | Type of Illumination: |
| Physical & Mechanical Properties |                                          |                       |
| Variable                         | Iris Option:                             |                       |
| 156.20                           | Length (mm):                             |                       |
| 156.20                           | Length excluding Threads (mm):           |                       |
| 40.00                            | Maximum Diameter (mm):                   |                       |
| 233                              | Weight (g):                              |                       |
| Anodized Aluminum                | Construction:                            |                       |
| Optical Properties               |                                          |                       |
| 14.4mm                           | Horizontal Field of View, 1/1.8" Sensor: |                       |
| 12.8mm                           | Horizontal Field of View, 1/2" Sensor:   |                       |
| 9.6mm                            | Horizontal Field of View, 1/3" Sensor:   |                       |
| 9.00                             | Maximum Image Circle (mm):               |                       |
| 0.041                            | Numerical Aperture NA, Object Side:      |                       |
| ±3                               | Working Distance Tolerance (mm):         |                       |
| >40% @ 40 lp/mm                  | Resolution, Image Space MTF @ f/10:      |                       |
| 7 (6)                            | Number of Elements (Groups):             |                       |
| 900 - 1700                       | Wavelength Range (nm):                   |                       |
| <0.012                           | Typical Telecentricity @ 588nm (°):      |                       |
| <0.200                           | Typical Distortion @ 588nm (%):          |                       |
| 0.5X                             | Primary Magnification PMAG:              |                       |
| 0.50                             | Telecentric Lens Magnification:          |                       |
| 120.00                           | Working Distance (mm):                   |                       |
| 14.4 x 10.8                      | FOV @ Max Sensor Format, H x V (mm):     |                       |
| f/6 - f/22                       | Aperture (f/#):                          |                       |
| 900 - 1700nm BBAR                | Coating:                                 |                       |
| ±2.1 at f/10 (20% @ 20 lp/mm)    | Depth of Field (mm):                     |                       |
| 0.5X                             | Magnification:                           |                       |
| SWIR                             | Lens Wavelength Range:                   |                       |
| Sensor                           |                                          |                       |
| 1/1.8"                           | Maximum Sensor Format:                   |                       |
| 2.74                             | Pixel Size (µm):                         |                       |
| Threading & Mounting             |                                          |                       |
| M37 x0.75 (Female)               | Filter Thread:                           |                       |
| C-Mbunt                          | Mount:                                   |                       |
| Regulatory Compliance            |                                          |                       |
| View                             | Certificate of Conformance:              |                       |

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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
- SWR 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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