

TECHSPEC<sup>®</sup> 0.16X SilverTL<sup>™</sup> SWIR Telecentric Lens



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Stock **#26-624** 2 In Stock

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1

+

₹50,461

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | ₹50,461 each                  |
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Product Downloads

| General                                 |                              |
|-----------------------------------------|------------------------------|
| Silver SWIR Series                      | Series:                      |
| <a href="#">#56-871</a> Sold Separately | Stock No. of Mounting Clamp: |
| 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:                         |
|                                 |                                        |
| SWIR                            | 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: |
|                                     |                             |
| China                               | Country of Origin:          |
|                                     |                             |
| Edmund Optics India Private Limited | Imported By:                |
|                                     |                             |

# 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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