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**TECHSPEC® 0.50X In-Line Illumination SilverTL™ SWIR Telecentric Lens**



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-630** **2 In Stock**

⊖ 1 ⊕ MRP ₹1,07,034

Price inclusive of all taxes

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**General**

Silver SWIR Series **Product Family:**

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

Telecentric Lens **Type:**

**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:

SWR Lens Wavelength Range:

## Sensor

1/1.8" Maximum Sensor Format:

2.74 Pixel Size (µm):

## Threading & Mounting

M37 x 0.75 (Female) Filter Thread:

C-Mount Mount:

## Regulatory Compliance

[View](#) Certificate of Conformance:

Country of Origin:

China

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
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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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