

[See all 10 Products in Family](#)

TECHSPEC® 0.25X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-626** [CONTACT US](#)

⊖ 1 ⊕ £928⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	£928.00 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:

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:

SMIR 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

[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.

;