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TECHSPEC® 0.16X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



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

⊖ 1 ⊕ £928⁰⁰

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Qty 1+	£928.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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General

Silver SWIR Series **Product Family:**

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

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:
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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.
