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TECHSPEC® 0.25X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



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

⊖ 1 ⊕ **\$813⁰⁰**

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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:
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:
SWIR	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:
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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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