

TECHSPEC® 0.40X SilverTL™ SWIR Telecentric Lens



TECHSPEC® SilverTL™ SWIR Telecentric Lenses



Stock **#26-628** **1 In Stock**

MRP ₹61,672

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:**

Physical & Mechanical Properties

Variable Iris Option:

159.00 Length (mm):

159.00 Length excluding Threads (mm):

45.00 Maximum Diameter (mm):

228 Weight (g):

Anodized Aluminum Construction:

Optical Properties

18mm Horizontal Field of View, 1/1.8" Sensor:

16mm Horizontal Field of View, 1/2" Sensor:

12mm Horizontal Field of View, 1/3" Sensor:

9.00 Maximum Image Circle (mm):

0.033 Numerical Aperture NA, Object Side:

±3 Working Distance Tolerance (mm):

>40% @ 40 lp/mm Resolution, Image Space MTF @ f/10:

7 (4) Number of Elements (Groups):

900 - 1700 Wavelength Range (nm):

<0.015 Typical Telecentricity @ 588nm (°):

<0.020 Typical Distortion @ 588nm (%):

0.4X Primary Magnification PMAG:

0.40 Telecentric Lens Magnification:

103.00 Working Distance (mm):

18.0 x 13.5 FOV @ Max Sensor Format, H x V (mm):

f/6 - f/22 Aperture (f/#):

900 - 1700nm BBAR Coating:

±3.0 at f/10 (20% @ 20 lp/mm) Depth of Field (mm):

0.4X Magnification:

SMIR Lens Wavelength Range:

Sensor

1/1.8" Maximum Sensor Format:

2.74 Pixel Size (µm):

Threading & Mounting

M43 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.
