

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



TECHSPEC[®] SilverTL[™] SWIR Telecentric Lenses



Stock **#26-630** 13 In Stock

-

1

+

€2.015⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€2.015,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Silver SWIR Series

Series:

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

Telecentric Lens

Type:

In-Line Illumination		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:	
SWIR	Lens Wavelength Range:	
Sensor		
1/1.8"	Maximum Sensor Format:	
2.74	Pixel Size (µm):	
Threading & Mounting		
M37 x0.75 (Female)	Filter Thread:	
C-Mbunt	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
- SWR 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.
