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TECHSPEC®

0.25X 2/3" GoldTL™ Telecentric Lens



#55-349 (0.25X)

Stock **#55-349** 20+ In Stock

-

1

+

C\$3,710⁰⁰

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Volume Pricing	
Qty 1+	C\$3,710.00 each
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General

Series:

GoldTL™ Series

Stock No. of Mounting Clamp:

[#56-026](#) Sold Separately

Type:

Telecentric Lens

Special Type of Lens:

Focusable Telecentric

Physical & Mechanical Properties

Variable	Iris Option:
196.30	Length (mm):
196.30	Length excluding Threads (mm):
79.00	Maximum Diameter (mm):
1.44	Weight (kg):

Optical Properties	
35.2mm	Horizontal Field of View, 2/3" Sensor:
28.8mm	Horizontal Field of View, 1/1.8" Sensor:
25.6mm	Horizontal Field of View, 1/2" Sensor:
11.00	Maximum Image Circle (mm):
0.021	Numerical Aperture NA, Object Side:
>55% @ 40 lp/mm	Resolution, Image Space MTF @ f/10:
10 (7)	Number of Elements (Groups):
<0.040	Typical Telecentricity @ 588nm (°):
0.400	Typical Distortion @ 588nm (%):
0.25X	Primary Magnification PMAG:
0.25	Telecentric Lens Magnification:
161 - 186	Working Distance (mm):
35.2 x 26.4	FOV @ Max Sensor Format, H x V (mm):
f/6 - f/25	Aperture (f/#):
λ/4 MgF ₂	Coating:
±8.2 at f/10 (20% @ 20 lp/mm)	Depth of Field (mm):
0.25X	Magnification:
VIS	Lens Wavelength Range:

Sensor	
2/3"	Maximum Sensor Format:
2.74	Pixel Size (μm):

Threading & Mounting	
M72 x 0.75 (Female)	Filter Thread:
C-Mount	Mount:

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	REACH 201:
View	Certificate of Conformance:

Product Details

- High Resolution Telecentric Lens for Measurement and Gauging

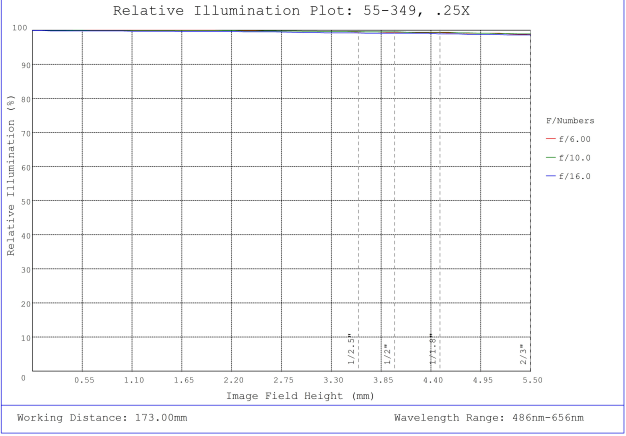
- Up to 5 MegaPixels, 3.45µm Pixel Size Sensors
- Up to 2/3", C-Mount Telecentric Lens
- Magnification from 0.06X to 1X

TECHSPEC® GoldTL™ Telecentric Lenses were designed specifically for machine vision and metrology applications. The unique focusable design allows for working distance adjustment, while still providing <0.2° telecentricity. These lenses also feature high resolutions, low distortions, and are available for ½" or 2/3" sensors. TECHSPEC® GoldTL™ Telecentric Lenses have a front filter thread for easy integration of [color filters](#), [polarizers](#) or other mounted components. Both the iris and focusing adjustment positions can be fixed by set screws to remain secure in high vibration environments.

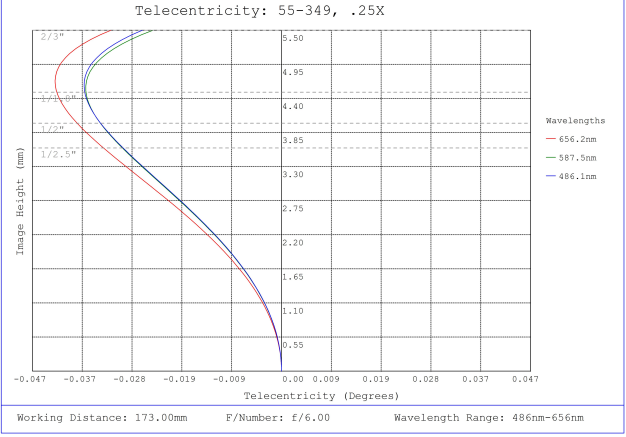
Technical Information



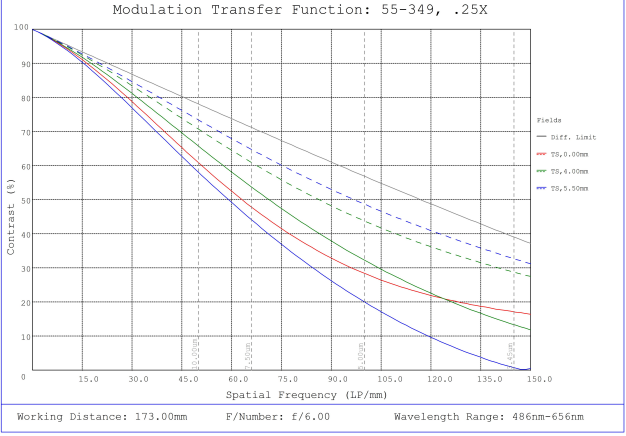
#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Distortion Plot



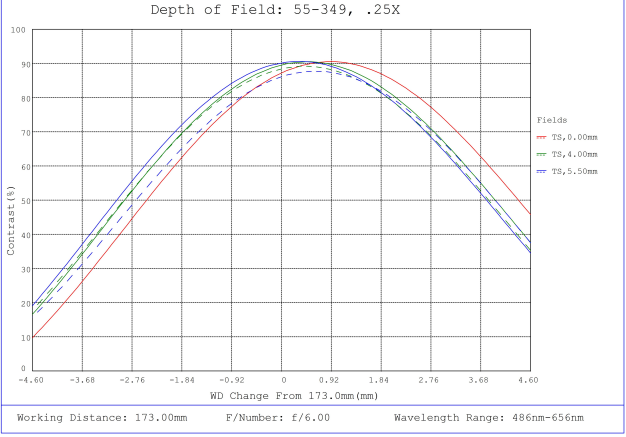
#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Relative Illumination Plot



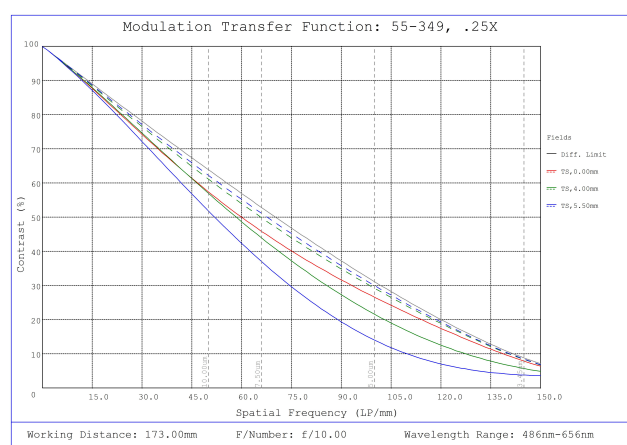
#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Telecentricity Plot



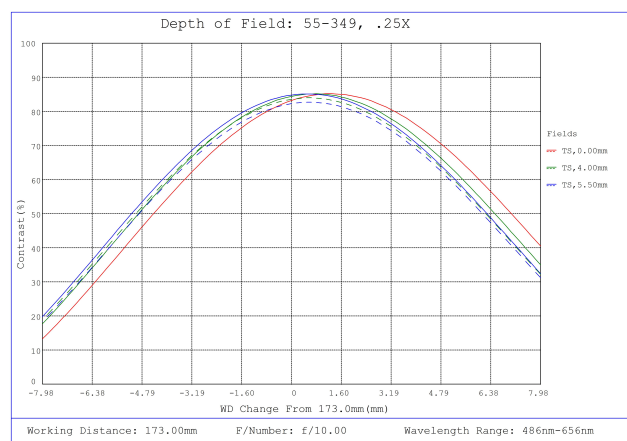
#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 173mm Working Distance, f6



#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Depth of Field Plot, 173mm Working Distance, f6



#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 173mm Working Distance, f10



#55-349, 0.25X 2/3" GoldTL™ Telecentric Lens, Depth of Field Plot, 173mm Working Distance, f10

Stock No.	A	B	C	D	E	F	G
#56-024	88mm	16mm	34mm	94mm	120mm	101.6mm	50mm
#56-025	85mm	17.5mm	32.5mm	91mm	120mm	101.6mm	48.5mm
#56-026	103mm	—	39.5mm	107mm	103mm	90mm	55.5mm
#56-027	134mm	—	55mm	148mm	134mm	122mm	81mm

