

TECHSPEC[®] 0.09X 1/2" GoldTL™ Telecentric Lens



#58-259 (0.09X)

Stock **#58-259** 11 In Stock

-

1

+

₹1,75,088

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Volume Pricing	
Qty 1+	₹1,75,088 each
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SPECIFICATIONS

General

GoldTL™ Series

Series:

[#56-027](#) Sold Separately

Stock No. of Mounting Clamp:

Telecentric Lens

Type:

Focusable Telecentric		Special Type of Lens:
Physical & Mechanical Properties		
Variable	Iris Option:	
200.00	Length (mm):	
200.00	Length excluding Threads (mm):	
110.00	Maximum Diameter (mm):	
2.67	Weight (kg):	
Optical Properties		
71.1mm	Horizontal Field of View, 1/2" Sensor:	
8.00	Maximum Image Circle (mm):	
0.007	Numerical Aperture NA, Object Side:	
>60% @ 40 lp/mm	Resolution, Image Space MTF @ f/10:	
11 (8)	Number of Elements (Groups):	
<0.028	Typical Telecentricity @ 588nm (°):	
0.020	Typical Distortion @ 588nm (%):	
0.09X	Primary Magnification PMAG:	
0.09	Telecentric Lens Magnification:	
132 - 182	Working Distance (mm):	
71.1 x 53.3	FOV @ Max Sensor Format, H x V (mm):	
f/6 - f/17.4	Aperture (f/#):	
λ/4 MgF ₂	Coating:	
±63.6 at f/10 (20% @ 20 lp/mm)	Depth of Field (mm):	
0.09X	Magnification:	
VIS	Lens Wavelength Range:	
Sensor		
1/2"	Maximum Sensor Format:	
2.74	Pixel Size (μm):	
Threading & Mounting		
M105 x 1.00 (Female)	Filter Thread:	
C-Mount	Mount:	
Regulatory Compliance		
Compliant	RoHS 2015:	
Compliant	REACH 201:	
View	Certificate of Conformance:	

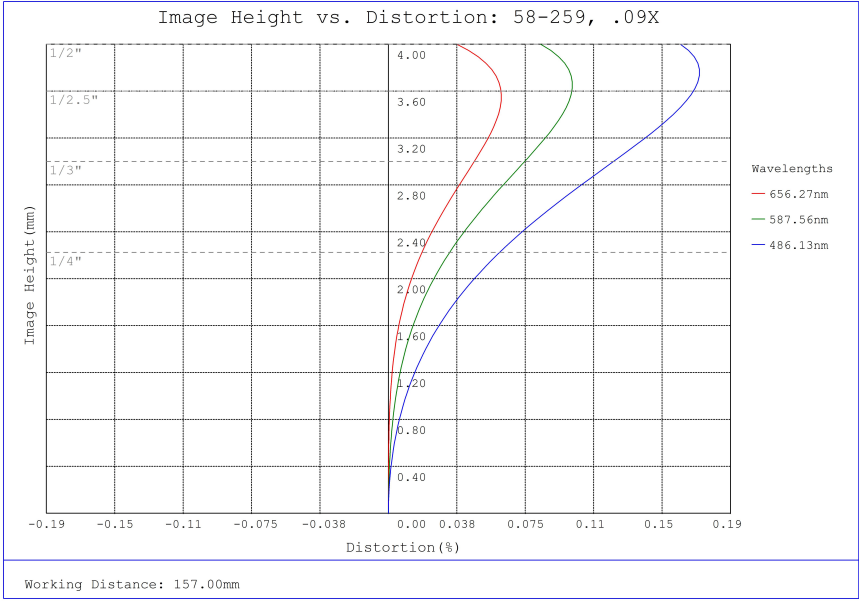
PRODUCT DETAILS

- High Resolution Telecentric Lens for Measurement and Gauging

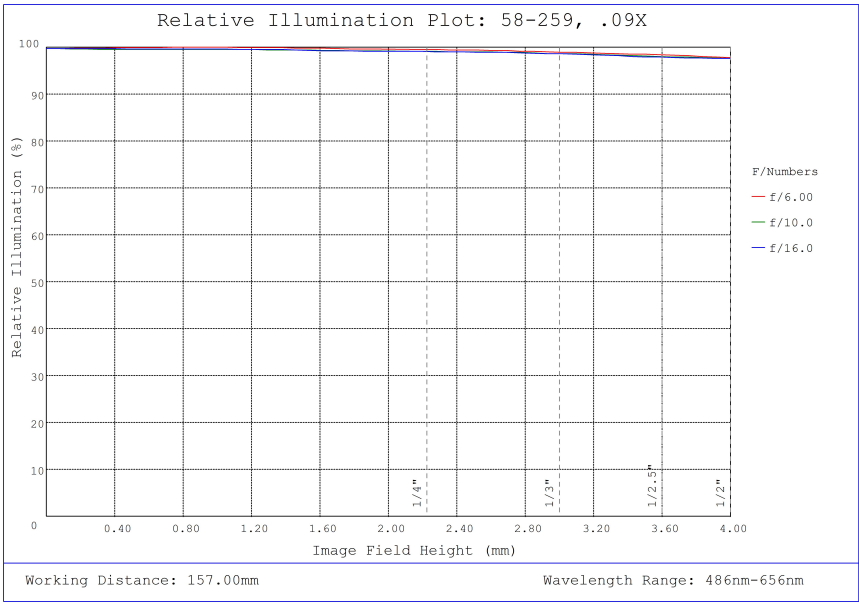
- Up to 5 MegaPixels, 3.45µm Pixel Size Sensors
- Up to 2/3", C-Mount Telecentric Lens
- Magnification from 0.06X to 1X

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 byset screws to remain secure in high vibration environments.

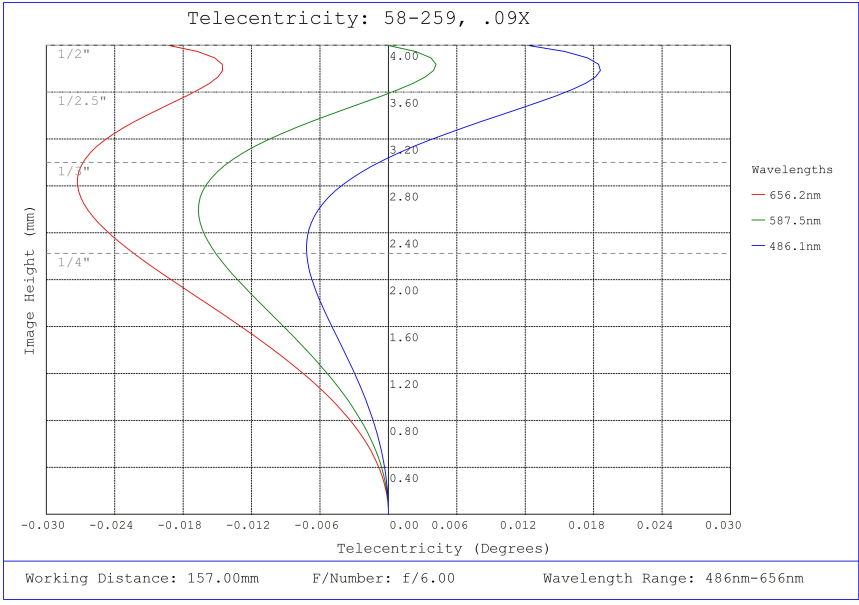
TECHNICAL INFORMATION



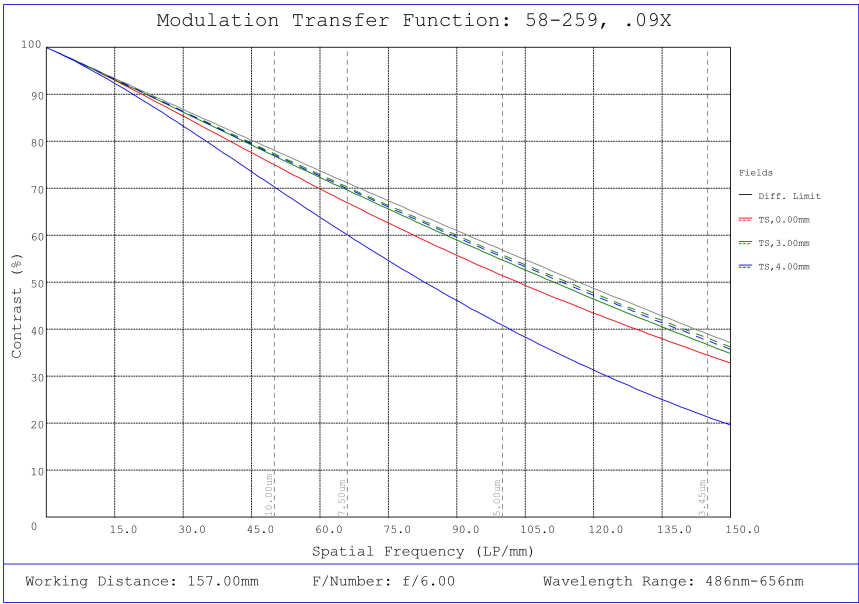
#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Distortion Plot



#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Relative Illumination Plot



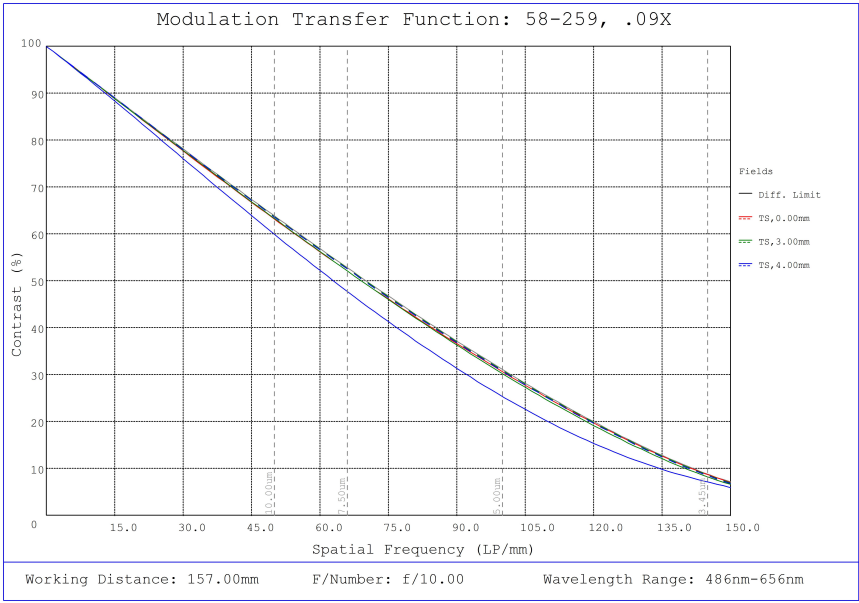
#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Telecentricity Plot



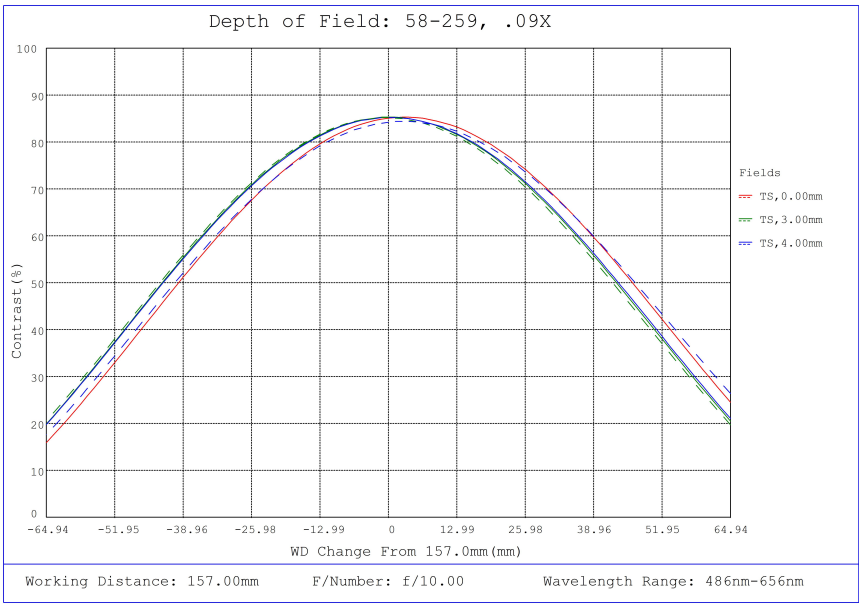
#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 157mm Working Distance, f6



#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Depth of Field Plot, 157mm Working Distance, f6



#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 157mm Working Distance, f10



#58-259, 0.09X ½" GoldTL™ Telecentric Lens, Depth of Field Plot, 157mm 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

