

TECHSPEC[®] 2X, 40mm WD, In-Line CompactTL[™] Telecentric Lens



40mm WD, 2X, In-Line Version (Left) and VS Version (Right)



Stock #67-320 14 In Stock

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1

+

S\$671⁰⁰

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Product Downloads

General	
CompactTL [™] Series	Product Family:
Edmund Optics®	Manufacturer:
Telecentric Lens	Type:
Compatible Light Guide/Source: 1/4" (0.312") and 1/8" (0.187")	

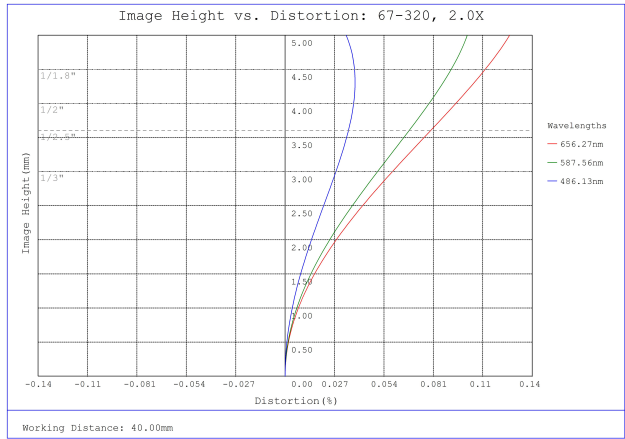
In-Line Illumination		Type of Illumination:
Physical & Mechanical Properties		
Fixed		Iris Option:
39.98		Length (mm):
39.98		Length excluding Threads (mm):
18.00		Maximum Diameter (mm):
43		Weight (g):
Optical Properties		
4.4mm		Horizontal Field of View, 2/3" Sensor:
3.2mm		Horizontal Field of View, 1/2" Sensor:
2.4mm		Horizontal Field of View, 1/3" Sensor:
11.00		Maximum Image Circle (mm):
0.069		Numerical Aperture NA, Object Side:
±1		Working Distance Tolerance (mm):
6 (4)		Number of Elements (Groups):
0.276		Typical Telecentricity @ 588nm (°):
0.1003		Typical Distortion @ 588nm (%):
2X		Primary Magnification PMAG:
2.00		Telecentric Lens Magnification:
40		Working Distance (mm):
4.4 x 3.3		FOV @ Max Sensor Format, H x V (mm):
f/14.3		Aperture (f/#):
λ/4 MgF ₂		Coating:
±0.17mm (20% @ 20 lp/mm)		Depth of Field (mm):
2X		Magnification:
VIS		Lens Wavelength Range:
Sensor		
2/3"		Maximum Sensor Format:
4.50		Pixel Size (µm):
Threading & Mounting		
M25.5 x 0.50 (Female)		Filter Thread:
#88-212 (Required)		Filter Thread Adapter:
M16 x 0.5 (Female)		Front Thread:
C-Mount		Mount:
Regulatory Compliance		
Compliant		RoHS 2015:
View		Certificate of Conformance:

Product Details

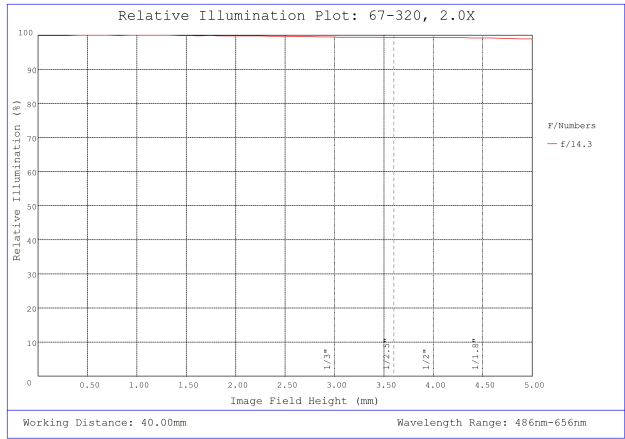
- 2/3", C-Mount Telecentric Lens
- Up to 2.3 MegaPixels, 4.5µm Pixel Size Sensors
- Small Telecentric Lens with Coaxial Illumination Options

TECHSPEC® CompactTL™ Telecentric Lenses are designed for applications with tight space constraints due to their ultra-compact design. These lenses feature a 2/3" sensor format and a variety of different working distance and magnification options. From single unit to high volume implementation, these lenses provide a great price to performance ratio. TECHSPEC® CompactTL™ Telecentric Lenses are perfect for integration into gauging systems due to their excellent telecentricity and low distortion. The fixed iris and lockable focus make these lenses ideal for implementation into factory floors and assembly lines, as they will remain fixed over time.

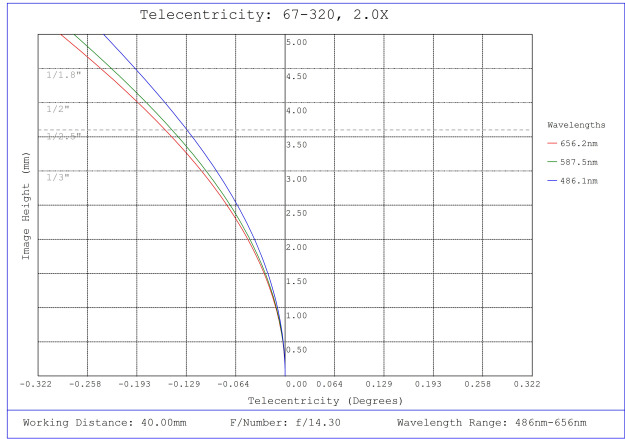
Technical Information



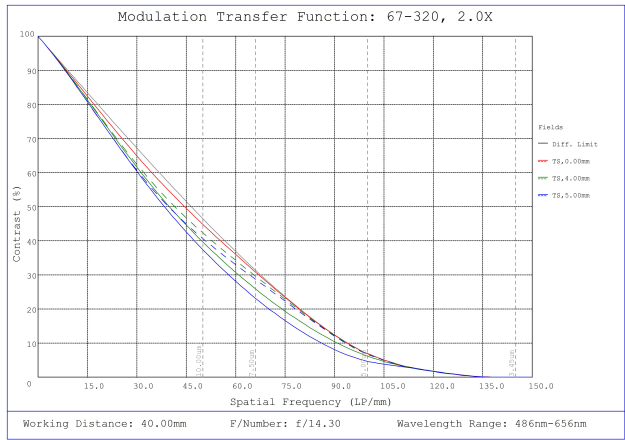
#67-320, 2X, 40mm WD, In-Line CompactTL™ Telecentric Lens, Distortion Plot



#67-320, 2X, 40mm WD, In-Line CompactTL™ Telecentric Lens, Relative Illumination Plot



#67-320, 2X, 40mm WD, In-Line CompactTL™ Telecentric Lens, Telecentricity Plot



#67-320, 2X, 40mm WD, In-Line CompactTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 40mm Working Distance, f14.3



#67-320, 2X, 40mm WD, In-Line CompactTL™ Telecentric Lens, Depth of Field Plot, 40mm Working Distance, f14.3