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**TECHSPEC® 0.08X GoldTL™ Telecentric Lens (Mount Included)**



0.06X GoldTL™ Telecentric Lens (Mount Included)



Stock #17-204 **2 In Stock**

⊖ 1 ⊕ **SS\$7,892<sup>00</sup>**

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**General**

GoldTL™ Series **Series:**

#56-873, Included **Stock No. of Mounting Clamp:**

Telecentric Lens **Type:**

Focusable Telecentric **Special Type of Lens:**

## Physical & Mechanical Properties

Variable	Iris Option:
277.28	Length (mm):
277.28	Length excluding Threads (mm):
160.00	Maximum Diameter (mm):

## Optical Properties

107.1mm	Horizontal Field of View, 2/3" Sensor:
87.5mm	Horizontal Field of View, 1/1.8" Sensor:
77.8mm	Horizontal Field of View, 1/2" Sensor:
11.00	Maximum Image Circle (mm):
0.0069	Numerical Aperture NA, Object Side:
70.6	Resolution, Image Space MTF @ f/10:
10 (6)	Number of Elements (Groups):
<0.0123	Typical Telecentricity @ 588nm (°):
0.038	Typical Distortion @ 588nm (%):
0.08X	Primary Magnification PMAG:
0.08	Telecentric Lens Magnification:
170-220	Working Distance (mm):
107.1 x 80.2	FOV @ Max Sensor Format, H x V (mm):
f/6-f/25	Aperture (f/#):
M4 MgF <sub>2</sub>	Coating:
± 80mm at f/10 (20% @ 20 lp/mm)	Depth of Field (mm):
0.08X	Magnification:
VIS	Lens Wavelength Range:

## Sensor

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

## Threading & Mounting

M154 x 1.50 (Female)	Filter Thread:
C-Mount	Mount:

## Regulatory Compliance

<a href="#">View</a>	Certificate of Conformance:
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## Product Details

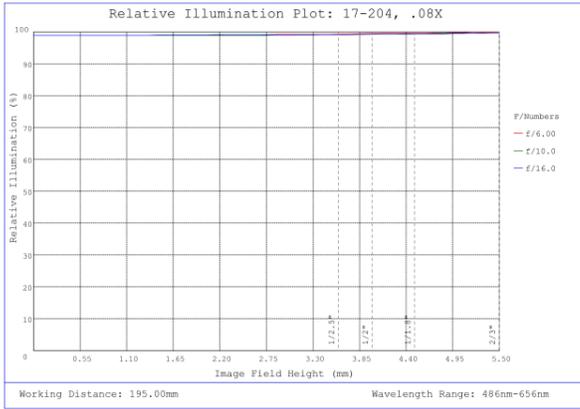
- High Resolution Telecentric Lens for Measurement and Gauging
- Up to 5 MegaPixels, 3.45µm Pixel Size Sensors
- Up to 2/3", C-Mount Telecentric Lens
- Magnification from 0.06X to 1X

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 1/2" 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.

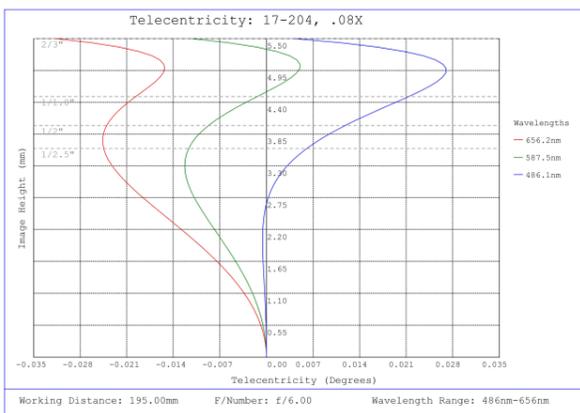
# Technical Information



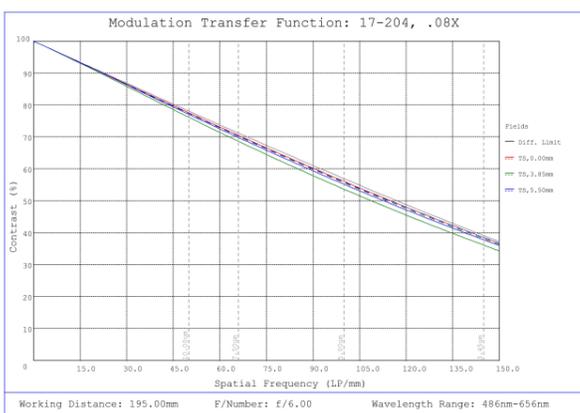
#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Distortion Plot



#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Relative Illumination Plot



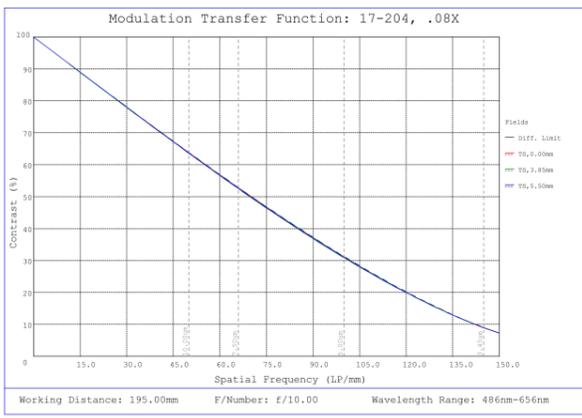
#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Telecentricity Plot



#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Modulated Transfer Function (MTF) Plot, 195mm Working Distance, f6



#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Depth of Field Plot, 195mm Working Distance, f6



#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Modulated Transfer Function (MTF) Plot, 195mm Working Distance, f10



#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Depth of Field Plot, 195mm 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

