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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 ⊕ €6.010⁰⁰

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Qty 1+	€6.010,00 each
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Product Downloads

General

GoldTL™ Series **Series:**

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

Telecentric Lens **Type:**

Special Type of Lens:
Focusable Telecentric

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/#):

N4 MgF₂ 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

[View](#) Certificate of Conformance:

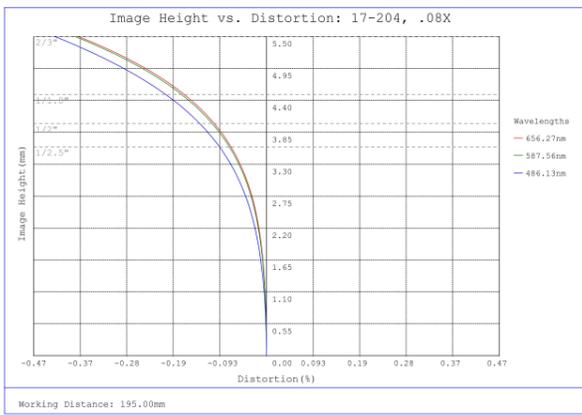
Product Details

- 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

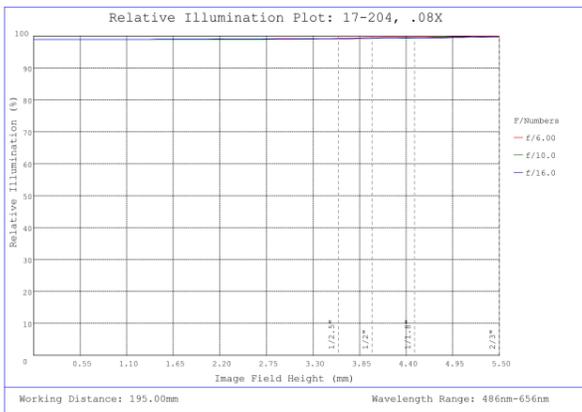
TECHSPEC® GoldTL™ Telecentric Lenses were designed specifically for machine vision and metrology applications. The unique focusable design allows for working distance adjustment, while still providing <0.2° telecentricity.

These lenses also feature high resolutions, low distortions, and are available for 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.

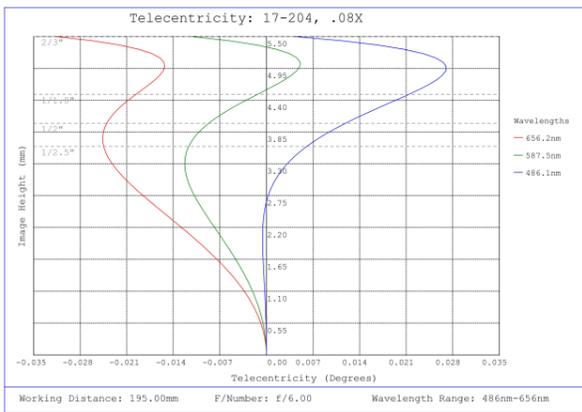
Technical Information



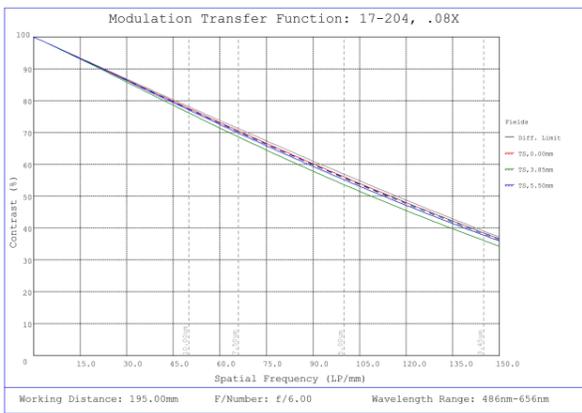
#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Distortion Plot



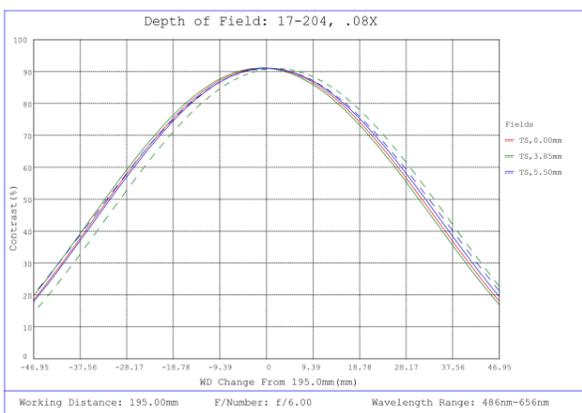
#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Relative Illumination Plot



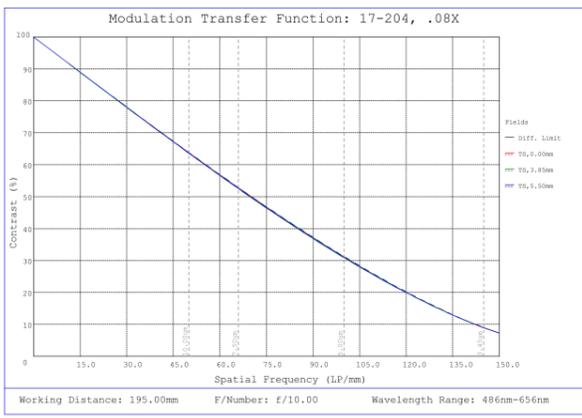
#17-204, 0.08X GoldTL™ Telecentric Lens (Mount Included), Telecentricity Plot



#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

