

TECHSPEC® 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens



1.7X Magnification, #63-232

Stock **#63-232** **20+ In Stock**

⊖ 1 ⊕ £1,832⁰⁰

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1+ | £1,832.00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Series:
PlatinumTL™ Series

Stock No. of Mounting Clamp:
[#63-233](#) Sold Separately

Type:
Telecentric Lens

Physical & Mechanical Properties

Iris Option:

| | |
|----------|-------------------------------|
| Variable | |
| 189.50 | Length (mm): |
| 60.0 | Maximum Diameter (mm): |
| 746 | Weight (g): |
| 17.5 | Flange Distance (mm): |

Optical Properties

| | |
|--------------------------------|---|
| 5.2mm | Horizontal Field of View, 2/3" Sensor: |
| 3.7mm | Horizontal Field of View, 1/2" Sensor: |
| 11.00 | Maximum Image Circle (mm): |
| 0.083 | Numerical Aperture NA, Object Side: |
| 10 (7) | Number of Elements (Groups): |
| <0.080 | Typical Telecentricity @ 588nm (°): |
| <0.020 | Typical Distortion @ 588nm (%): |
| 1.7X | Primary Magnification PMAG: |
| 1.70 | Telecentric Lens Magnification: |
| 123.00 | Working Distance (mm): |
| 5.2 x 3.9 | FOV @ Max Sensor Format, H x V (mm): |
| f/6 - f/22 | Aperture (f#): |
| 425 - 675nm BBAR | Coating: |
| ±0.18 at f/10 (20% @ 20 lp/mm) | Depth of Field (mm): |
| 1.7X | Magnification: |
| VIS | Lens Wavelength Range: |

Sensor

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

Threading & Mounting

| | |
|---------------------|-----------------------|
| M58 x 0.75 (Female) | Filter Thread: |
| C-Mount | Mount: |

Regulatory Compliance

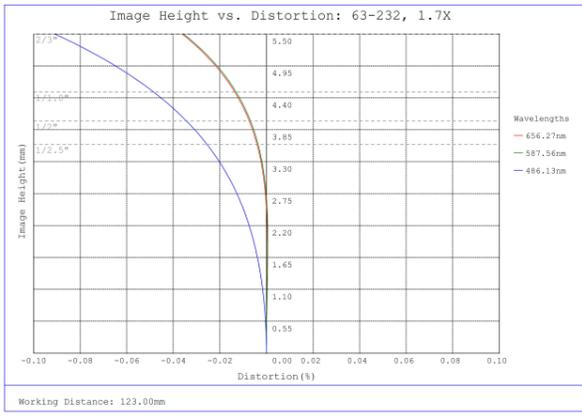
| | |
|----------------------|------------------------------------|
| View | Certificate of Conformance: |
|----------------------|------------------------------------|

Product Details

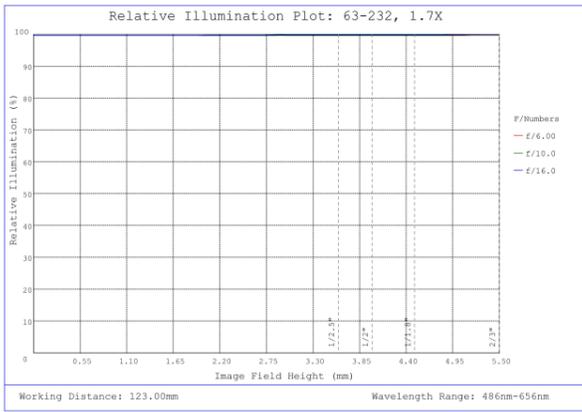
- High Resolution f/6 Bi-Telecentric Lens for Measurement
- Up to 35 MegaPixels, 2.8µm Pixel Size Sensors
- APS-C, C-Mount, T-Mount, F-Mount Telecentric Lens
- Magnification from 0.28X to 1.7X

TECHSPEC® PlatinumTL™ Telecentric Lenses are designed for semiconductor and electronics inspection, measurement, and gauging applications. The precision designs feature high telecentricity (<0.1°), low distortion (<0.1%), and high light throughput with an adjustable aperture that achieves f/6 when fully open. Capable of supporting large format 28.7mm diagonal sensors, these lenses are compatible with the Sony IMX342 APS-C sensor and other similar format sensors such as the Sony IMX530. TECHSPEC® PlatinumTL™ Telecentric Lenses produce unparalleled levels of contrast yielding maximum image quality with the highest degree of measurement accuracy. These lenses are suitable for high vibration environments and feature a removable recessed set screw for securing the iris in place.

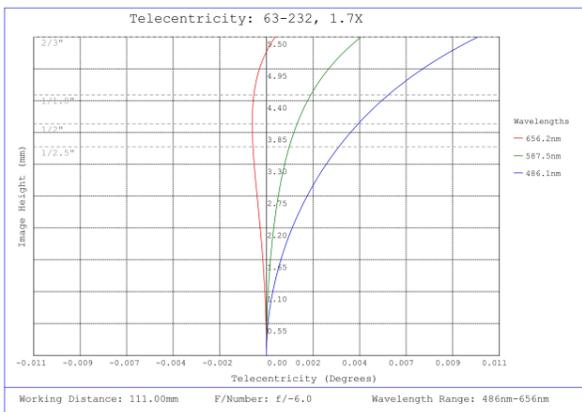
Technical Information



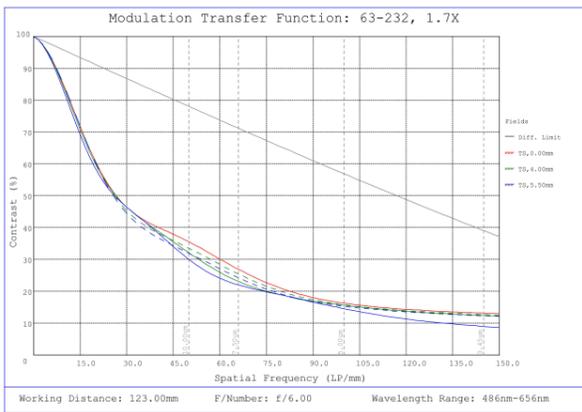
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Distortion Plot



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Relative Illumination Plot



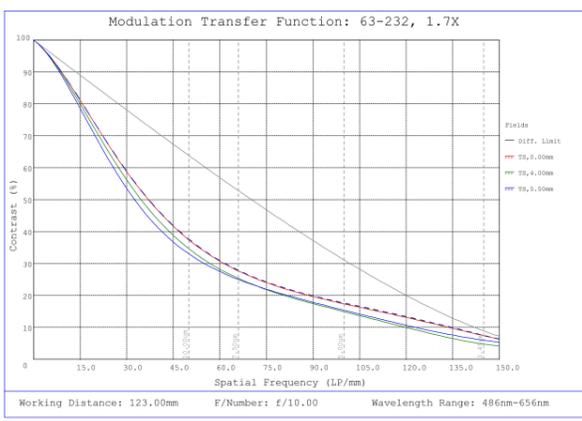
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Telecentricity Plot



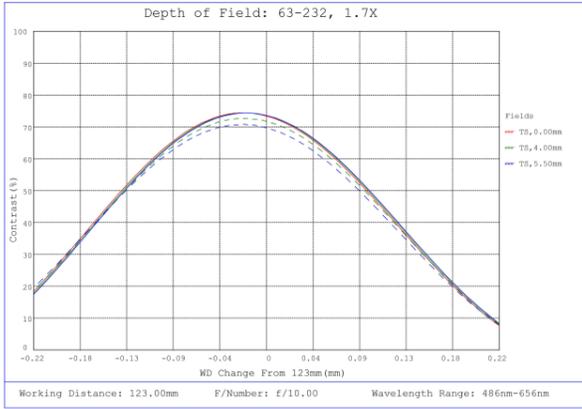
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 123mm Working Distance, f6



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 123mm Working Distance, f6



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 123mm Working Distance, f10



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 123mm Working Distance, f10

| Description | | Stock No. | Flange | Length (A) | Front Diameter (B) | Back Diameter (C) |
|-------------|-----------|-----------|---------|------------|--------------------|-------------------|
| 0.28X | C-Mount | #62-933 | 17.5mm | 230.8mm | 60.5mm | 33.5mm |
| 0.5X | C-Mount | #62-932 | 17.5mm | 174.9mm | 50mm | 33.5mm |
| 1.7X | C-Mount | #63-232 | 17.5mm | 189.5mm | 60mm | 46mm |
| 0.28X | F-Mount | #62-922 | 46.5mm | 167.6mm | 138.6mm | 55mm |
| | M42 x 1.0 | #62-923 | 6.56mm | 208.5mm | 138.6mm | 50mm |
| | M42 x 1.0 | #62-924 | 19.53mm | 195.5mm | 138.6mm | 50mm |
| 0.5X | F-Mount | #62-912 | 46.5mm | 143mm | 90mm | 55mm |
| | M42 x 1.0 | #62-913 | 6.56mm | 184mm | 90mm | 50mm |
| | M42 x 1.0 | #62-914 | 19.53mm | 171.1mm | 90mm | 50mm |
| 0.9X | F-Mount | #62-902 | 46.5mm | 170.8mm | 65mm | 55mm |
| | M42 x 1.0 | #62-903 | 6.56mm | 210.7mm | 65mm | 53mm |
| | M42 x 1.0 | #62-904 | 19.53mm | 197.8mm | 65mm | 53mm |

