

TECHSPEC®

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



1.7X Magnification, #63-232

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

-

1

+

€2.290<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €2.290,00 each                |
| Need More?     | <a href="#">Request Quote</a> |

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:

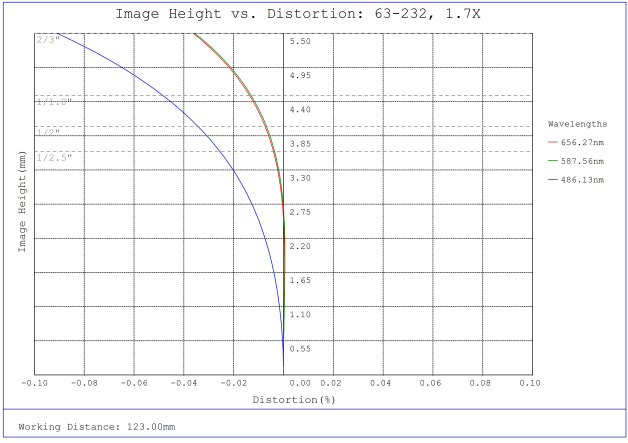
|                                |                                        |
|--------------------------------|----------------------------------------|
| Variable                       |                                        |
| 189.50                         | Length (mm):                           |
| 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          |                                        |
| <a href="#">View</a>           | Certificate of Conformance:            |

## Product Details

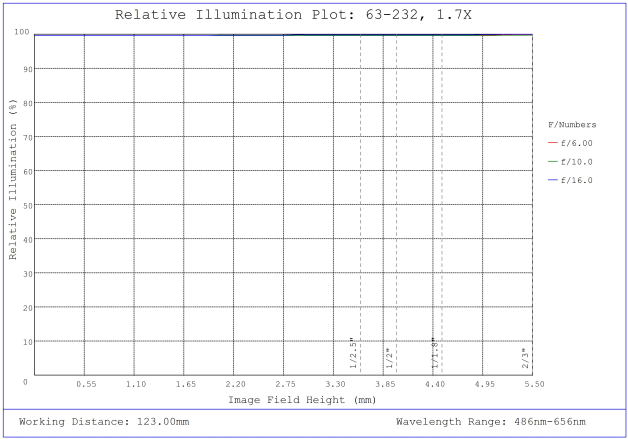
- High Resolution f/6 Bi-Telecentric Lens for Measurement
- Up to 35 MegaPixels, 2.8µm Pixel Size Sensors
- APS-C, C-Mount, T-Mount, F-Mount Telecentric Lens
- Magnification from 0.28X to 1.7X

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.

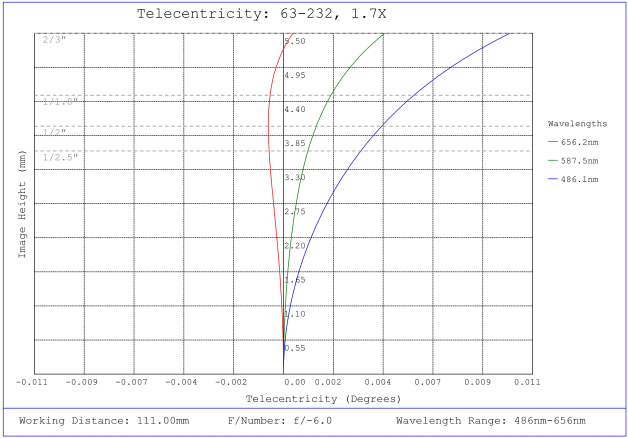
Technical Information



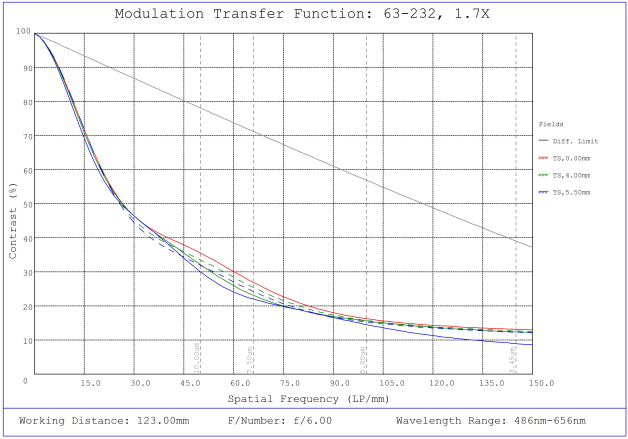
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Distortion Plot



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



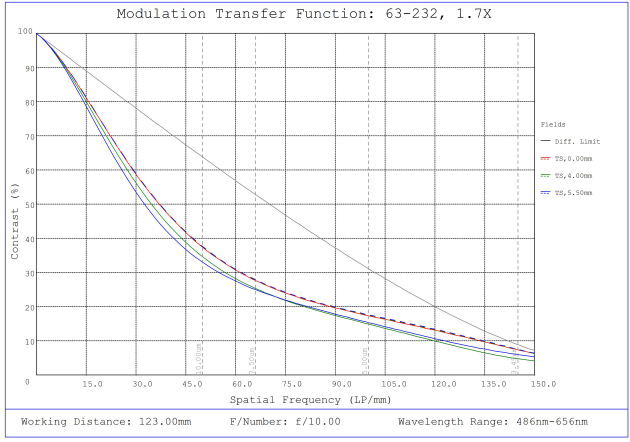
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Telecentricity Plot



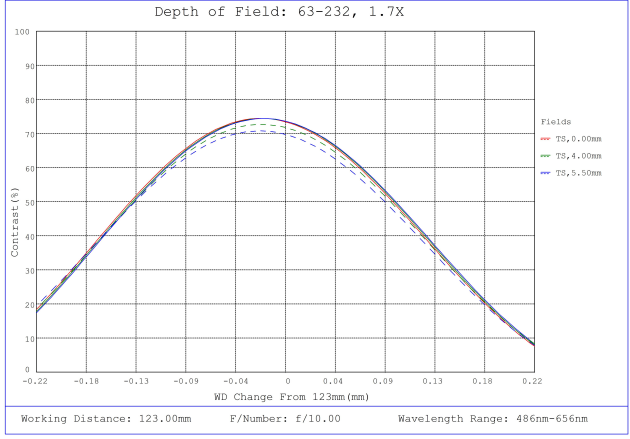
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 123mm Working Distance, f6



#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              |

