

TECHSPEC<sup>®</sup> 25mm, f/16 Cr Series Fixed Focal Length Lens



25mm Cr Series Fixed Focal Length Lens



Stock **#35-179** **20+ In Stock**

-

1

+

€310<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €310,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                 |                 |
|-------------------------|-----------------|
| Cr Series               | Product Family: |
| Fixed Focal Length Lens | Type:           |

| Physical & Mechanical Properties |              |
|----------------------------------|--------------|
|                                  | Iris Option: |

|       |                               |
|-------|-------------------------------|
| Fixed |                               |
| 32.38 | Length (mm):                  |
| 33.8  | Maximum Diameter (mm):        |
| 33.8  | Outer Diameter (mm):          |
| 52    | Weight (g):                   |
| 1.33  | Maximum Rear Protrusion (mm): |
| 33.80 | Diameter (mm):                |

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Optical Properties                            |                                                                                    |
| Horizontal Field of View @ Max Sensor Format: | 33.4mm - 19.7°                                                                     |
| Field of View at Max Sensor Format:           | Horizontal: 33.3mm - 19.8°<br>Vertical: 24.9mm - 14.9°<br>Diagonal: 41.8mm - 24.6° |
| Horizontal Field of View, 2/3" Sensor:        | 33.4mm - 19.7°                                                                     |
| Horizontal Field of View, 1/1.8" Sensor:      | 27.3mm - 16.2°                                                                     |
| Horizontal Field of View, 1/2" Sensor:        | 24.2mm - 14.4°                                                                     |
| Horizontal Field of View, 1/2.5" Sensor:      | 21.9mm - 13.1°                                                                     |
| Horizontal Field of View, 1/3" Sensor:        | 18.1mm - 10.9°                                                                     |
| Horizontal Field of View, 1/4" Sensor:        | 13.6mm - 8.2°                                                                      |
| Maximum Image Circle (mm):                    | 11.00                                                                              |
| Numerical Aperture NA, Object Side:           | 0.0098                                                                             |
| Number of Elements (Groups):                  | 7 (6)                                                                              |
| Focal Length FL (mm):                         | 25.00                                                                              |
| Working Distance (mm):                        | 98 - ∞                                                                             |
| Aperture (f/#):                               | f/16                                                                               |
| Coating:                                      | 425 - 675nm BBAR                                                                   |
| Coating Specification:                        | 425 - 675nm BBAR                                                                   |
| Entrance Pupil Position (mm):                 | 15.89                                                                              |
| Object Space Principal Plane (mm):            | 18.77                                                                              |
| Image Space Principal Plane (mm):             | -12.44                                                                             |
| Maximum Distortion (%):                       | 0.21                                                                               |
| Exit Pupil Position (mm):                     | -15.68                                                                             |
| Lens Wavelength Range:                        | VIS                                                                                |

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

|                      |                        |
|----------------------|------------------------|
| Threading & Mounting |                        |
| M30.5 x0.50 (Male)   | Filter Thread:         |
| #89-942 (Required)   | Filter Thread Adapter: |
| M25.5 x0.5 (Male)    | Front Thread:          |

C-Mount Mount:

-20 to +60

### Stabilized (Robust Mechanics for Shock and Vibration)

[View](#)

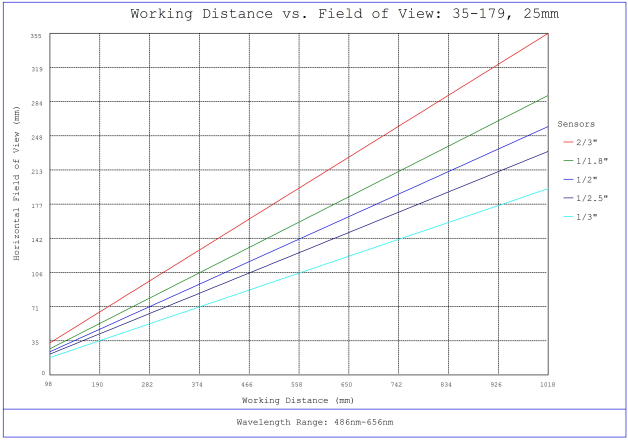
- TECHSPEC® Compact Ruggedized (Cr) Series Fixed Focal Length Lenses provide Stabilized Ruggedization, protecting the lens from damage while maintaining optical pointing and positioning after shock and vibration. All individual lens elements are glued in place to reduce object shift on the image. In addition, these lenses feature robust mechanics with a simplified focus and stainless steel locking C-Mount clamp. TECHSPEC® Cr Series Fixed Focal Length Lenses are ideal for calibrated imaging systems such as measurement and gauging, 3D stereo vision, robotics and sensing, autonomous vehicles, and object tracking. The object to image mapping is maintained even after heavy shock and vibration; if the center of the object maps onto the center pixel, it will always map to that same center pixel.

**Note:** To learn more about ruggedization, visit our [Ruggedization Resource Webpage](#).

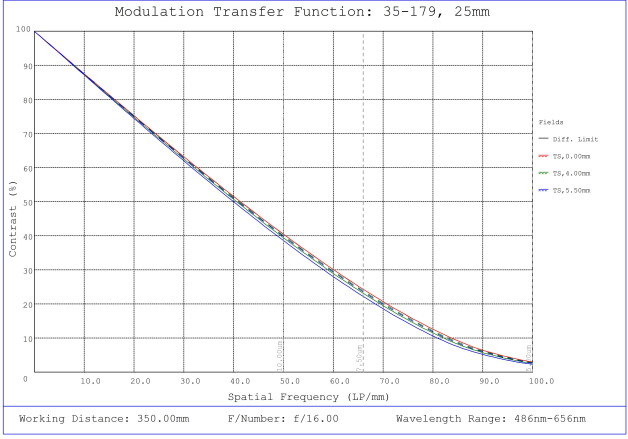
Edmund Optics has created a family of high performance optical designs (the C Series family) and developed 6 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics

- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a **VIS-NIR Broadband Anti-Reflection**





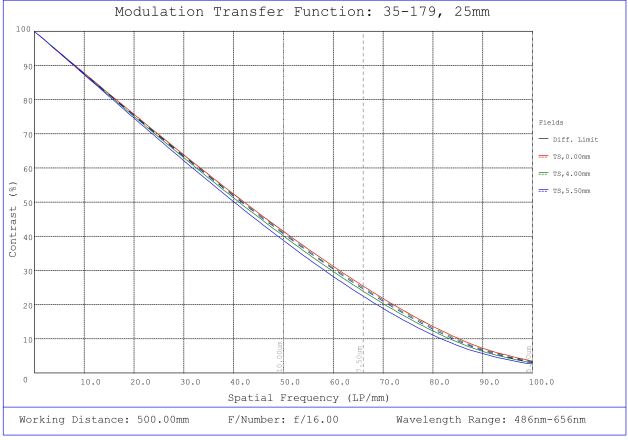
#35-179, 25mm, f/16 Cr Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



#35-179, 25mm, f/16 Cr Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 350mm Working Distance, f16



#35-179, 25mm, f/16 Cr Series Fixed Focal Length Lens, Depth of Field Plot, 350mm Working Distance, f16



#35-179, 25mm, f/16 Cr Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f16



#35-179, 25mm, f/16 Cr Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f16

## Compatible Cameras