

TECHSPEC® 25mm CA Series Fixed Focal Length Lens



25mm CA Series Fixed Focal Length Lens



Stock #11-318 20+ In Stock

-

1

+

€910<sup>00</sup>

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| Qty 1+         | €910,00 each                  |
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**Note:** This item requires accessories for use | [Learn More](#)

Product Downloads

General

CA Series

Series:

Fixed Focal Length Lens

Type:

| Physical & Mechanical Properties                        |                                         |
|---------------------------------------------------------|-----------------------------------------|
| Variable                                                | Iris Option:                            |
|                                                         |                                         |
| 93.65                                                   | Length (mm):                            |
|                                                         |                                         |
| 52                                                      | Maximum Diameter (mm):                  |
|                                                         |                                         |
| 52                                                      | Outer Diameter (mm):                    |
|                                                         |                                         |
| 0                                                       | Maximum Rear Protrusion (mm):           |
|                                                         |                                         |
| Optical Properties                                      |                                         |
| Horizontal: 50.0°<br>Vertical: 38.0°<br>Diagonal: 61.5° | Field of View at Max Sensor Format:     |
|                                                         |                                         |
|                                                         |                                         |
|                                                         |                                         |
| 50.0°                                                   | Horizontal Field of View, APS-C Sensor: |
|                                                         |                                         |
| 38.0°                                                   | Horizontal Field of View, 4/3" Sensor:  |
|                                                         |                                         |
| 32.1°                                                   | Horizontal Field of View, 1.1" Sensor:  |
|                                                         |                                         |
| 29.2°                                                   | Horizontal Field of View, 1" Sensor:    |
|                                                         |                                         |
| 20.2°                                                   | Horizontal Field of View, 2/3" Sensor:  |
|                                                         |                                         |
| 27.90                                                   | Maximum Image Circle (mm):              |
|                                                         |                                         |
| 0.019                                                   | Numerical Aperture NA, Object Side:     |
|                                                         |                                         |
| 10 (9)                                                  | Number of Elements (Groups):            |
|                                                         |                                         |
| 25.00                                                   | Focal Length FL (mm):                   |
|                                                         |                                         |
| 200 - ∞                                                 | Working Distance (mm):                  |
|                                                         |                                         |
| f/2.8 - f/16                                            | Aperture (f/#):                         |
|                                                         |                                         |
| λ/4 MgF <sub>2</sub>                                    | Coating Specification:                  |
|                                                         |                                         |
| 39.64                                                   | Entrance Pupil Position (mm):           |
|                                                         |                                         |
| 47.46                                                   | Object Space Principal Plane (mm):      |
|                                                         |                                         |
| -8.15                                                   | Image Space Principal Plane (mm):       |
|                                                         |                                         |
| 5.8                                                     | Maximum Distortion (%):                 |
|                                                         |                                         |
| -56.88                                                  | Exit Pupil Position (mm):               |
|                                                         |                                         |
| VIS                                                     | Lens Wavelength Range:                  |
|                                                         |                                         |
| Sensor                                                  |                                         |
| APS-C                                                   | Maximum Sensor Format:                  |
|                                                         |                                         |
| 2.74                                                    | Pixel Size (μm):                        |
|                                                         |                                         |
| Threading & Mounting                                    |                                         |
| M52 x0.75 (Male)                                        | Filter Thread:                          |
|                                                         |                                         |
| TFL-Mount                                               | Mount:                                  |
|                                                         |                                         |
| Regulatory Compliance                                   |                                         |
| Compliant                                               | RoHS 2015:                              |
|                                                         |                                         |
| View                                                    | Certificate of Conformance:             |
|                                                         |                                         |
| Compliant                                               | Reach 235:                              |
|                                                         |                                         |

# Product Details

- APS-C (27.9mm), TFL-Mount Lens or M40 Mount Lens
- Greater than 30 MegaPixels, 3.45µm Pixel Size Sensors
- High Resolution, Compact APS-C Lens (CA)
- 35mm to 100mm Focal Length

TECHSPEC® CA (Compact APS) Series Fixed Focal Length Lenses are designed for high-resolution large-format sensors. Covering the APS-C format sensors with a 28mm image circle, these lenses feature a [TFL Mount](#) or M40 Mount. TFL Mounts feature an M35 x 0.75 thread with a 17.5mm flange distance, and offer the same robustness and ease of use as a C-Mount. M40 Mounts feature a M52 x 0.75 thread with a 17.526mm flange and provide a robust, large-format mounting solution ideal for high-resolution and larger image sensors with improved mechanical stability and optical performance compared to smaller format mounts. TECHSPEC® CA Series Fixed Focal Length Lenses offer a compact size while accommodating large format sensors, making them ideal for machine vision and [factory automation](#) applications.

These lenses won the [3rd place 2020 Inspect Award](#) and the [Silver-Level 2020 VSD Innovators Award](#).