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## TECHSPEC® 25mm CA Series Fixed Focal Length Lens



25mm CA Series Fixed Focal Length Lens



Stock #11-318 **20+ In Stock**

⊖ 1 ⊕ A\$1,320<sup>00</sup>

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### General

CA Series **Product Family:**  
Fixed Focal Length Lens **Type:**

### Physical & Mechanical Properties

Variable	<b>Iris Option:</b>
93.65	<b>Length (mm):</b>
52	<b>Maximum Diameter (mm):</b>
52	<b>Outer Diameter (mm):</b>
0	<b>Maximum Rear Protrusion (mm):</b>

## Optical Properties

<b>Field of View at Max Sensor Format:</b>	
Horizontal: 50.0°	
Vertical: 38.0°	
Diagonal: 61.5°	
50.0°	<b>Horizontal Field of View, APS-C Sensor:</b>
38.0°	<b>Horizontal Field of View, 4/3" Sensor:</b>
32.1°	<b>Horizontal Field of View, 1.1" Sensor:</b>
29.2°	<b>Horizontal Field of View, 1" Sensor:</b>
20.2°	<b>Horizontal Field of View, 2/3" Sensor:</b>
27.90	<b>Maximum Image Circle (mm):</b>
0.019	<b>Numerical Aperture NA, Object Side:</b>
10 (9)	<b>Number of Elements (Groups):</b>
25.00	<b>Focal Length FL (mm):</b>
200 - ∞	<b>Working Distance (mm):</b>
f/2.8 - f/16	<b>Aperture (f/#):</b>
M4 MgF <sub>2</sub>	<b>Coating Specification:</b>
39.64	<b>Entrance Pupil Position (mm):</b>
47.46	<b>Object Space Principal Plane (mm):</b>
-8.15	<b>Image Space Principal Plane (mm):</b>
5.8	<b>Maximum Distortion (%):</b>
-56.88	<b>Exit Pupil Position (mm):</b>
VIS	<b>Lens Wavelength Range:</b>

## Sensor

APS-C	<b>Maximum Sensor Format:</b>
2.74	<b>Pixel Size (µm):</b>

## Threading & Mounting

M52 x 0.75 (Male)	<b>Filter Thread:</b>
TFL-Mount	<b>Mount:</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>

## 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](#).

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