

TECHSPEC® 25mm CA Series Fixed Focal Length Lens



25mm CA Series Fixed Focal Length Lens



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

⊖ 1 ⊕ £728⁰⁰

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

CA Series **Product Family:**
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° Vertical: 38.0° 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/#):
M4 MgF ₂	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 x 0.75 (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](#).
