

TECHSPEC[®] 25mm, M40 Mount, CA Series Fixed Focal Length Lens



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1

+

€910^{.00}

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SPECIFICATIONS

General

CA Series

Series:

Fixed Focal Length Lens	Type:
High Performance Lens	Imaging 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	
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):
FOV @ Max Sensor Format, H x V (mm): Horizontal: 50.0° Vertical: 38.0° Diagonal: 61.5°	
f/2.8 - f/16	Aperture (f/#):
N4 MgF ₂	Coating:
N4 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):
VS	Lens Wavelength Range:
Sensor	
APS-C	Maximum Sensor Format:
2.74	Pixel Size (μm):
Threading & Mounting	
M52 x 0.75 (Female)	Filter Thread:
M40 x 0.75	Mount:
Environmental & Durability Factors	
	Storage Temperature (°C):

Regulatory Compliance

[View](#)

Certificate of Conformance:

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 x0.75 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 x0.75 thread 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](#).