

TECHSPEC® 100mm, f/5.6 Ci Series Fixed Focal Length Lens



TECHSPEC® Ci Series Fixed Focal Length Lenses



Stock **#15-510** [CONTACT US](#)

-

1

+

A\$363⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	A\$363.00 each
Need More?	Request Quote

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

Product Downloads

SPECIFICATIONS

General

Ci Series

Series:

Fixed Focal Length Lens		Type:	
Physical & Mechanical Properties			
Fixed		Iris Option:	
81.80		Length (mm):	
48		Maximum Diameter (mm):	
48		Outer Diameter (mm):	
1.64		Maximum Rear Protrusion (mm):	
Optical Properties			
Field of View at Max Sensor Format:		Horizontal: 7.28° Vertical: 5.48° Diagonal: 9.07°	
5.02°			Horizontal Field of View, 2/3" Sensor:
4.11°			Horizontal Field of View, 1/1.8" Sensor:
3.66°		Horizontal Field of View, 1/2" Sensor:	
3.29°		Horizontal Field of View, 1/2.5" Sensor:	
21.60		Maximum Image Circle (mm):	
0.011		Numerical Aperture NA, Object Side:	
6 (5)		Number of Elements (Groups):	
100.00		Focal Length FL (mm):	
750 - ∞		Working Distance (mm):	
f/5.6		Aperture (f/#):	
425 - 675nm BBAR		Coating Specification:	
31.419		Entrance Pupil Position (mm):	
21.64		Object Space Principal Plane (mm):	
-98.34		Image Space Principal Plane (mm):	
0.866		Maximum Distortion (%):	
-50.496		Exit Pupil Position (mm):	
VIS		Lens Wavelength Range:	
Sensor			
1"		Maximum Sensor Format:	
2.74		Pixel Size (μm):	
Threading & Mounting			
M46 x0.75 (Female)		Filter Thread:	
C-Mbunt		Mount:	
Environmental & Durability Factors			
Industrial (Fixed Aperture with Simplified Mechanics)		Type of Ruggedization:	
Regulatory Compliance			
View		Certificate of Conformance:	

PRODUCT DETAILS

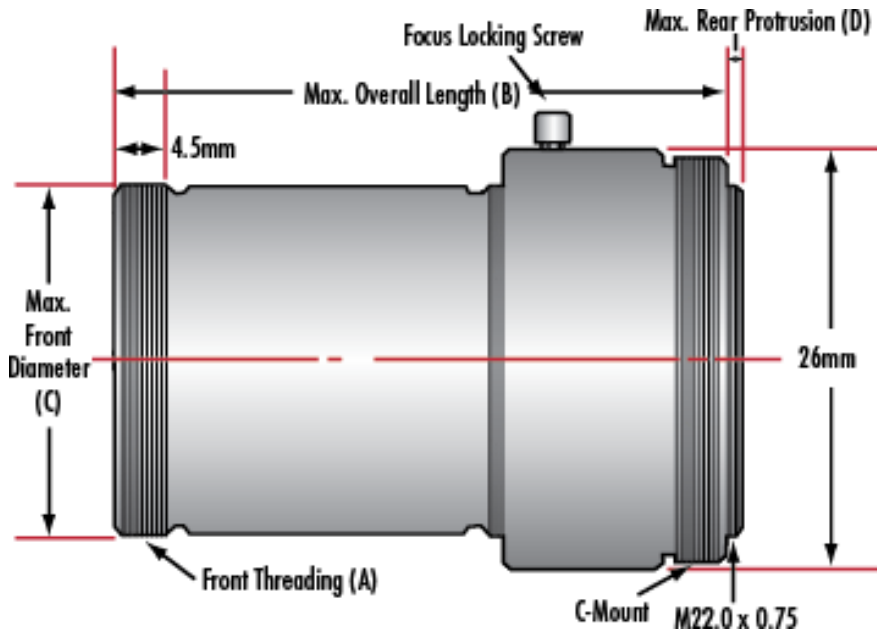
- Up to 2/3", C-Mount Lens
- Up to 7.5 MegaPixels, 2.8µm Pixel Size Sensors
- Instrumentation (Ci) Versions of our C Series Lenses with Streamlined Mechanical Designs and Fixed Apertures
- 3.5mm to 50mm Focal Length
- [Ruggedized \(Cr\) Designs](#) Also Available

TECHSPEC® Ci Series Fixed Focal Length Lenses are a streamlined version of our C Series Fixed Focal Length Lenses. They feature the same low lens-to-lens variation and broadband anti-reflection (BBAR) coating for maximum light transmission, while offering reduced weight and size. An adjustable, lockable focus allows for setting and locking the best focus position for instrumentation integration. TECHSPEC® Ci Series Fixed Focal Length Lenses are designed specifically for volume integration into applications such as factory inspection and automation to benchtop biomedical devices. The Ci Series offers a wide range of aperture options, ensuring maximum flexibility of resolution, throughput, and depth of field.

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 as the C Series lenses providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

- **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 \(BBAR\) Coating](#).
- **Ci Series:** Simplified mechanics featuring fixed apertures with compact housing. [Industrial Ruggedization](#) for reduced size, cost, and locked focus.
- **Cr Series:** All optics glued in place and a locking C-clamp focus ring. [Stabilized Ruggedization](#) for reduced pixel shift and improved focus stability.
- **Cx Series:** Modular, flexible mechanics allows lenses to be taken apart for easy integration of accessories such as liquid lenses, apertures, and more.
- **Liquid Lens Cx Series:** Designed with an integrated liquid lens for quick autofocus.
- **Cw Series:** Waterproof, designed to meet IEC [Ingress Protection](#) Code IPX7 and IPX9K.

TECHNICAL INFORMATION



Focal Length	A	B	C	D
6mm	M34.0 x 0.5	47.8mm	34mm	1.17mm
12mm	M22.0 x 0.75	29.0mm	22mm	0.96mm
16mm	M22.0 x 0.75	40.8mm	22mm	1.09mm
25mm	M22.0 x 0.75	29.9mm	22mm	1.33mm
35mm	M25.5 x 0.5	41mm	22.5mm	3.82mm
50mm	M30.5 x 0.5	49.5mm	30.5mm	2.06mm

