

[See all 82 Products in Family](#)

TECHSPEC®

25mm Cx Series Fixed Focal Length Lens



25mm Cx Series Fixed Focal Length Lens, #33-564

Stock **#33-564** 20+ In Stock

-

1

+

€245⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€245,00 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

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

Product Downloads

General

CxSeries

Product Family:

Note:
Cx Lens Accessory required for use. All field of view and working distance values listed assume a Cx Lens Accessory has been integrated. Cx Lens Accessory is not included and must be purchased separately.

Fixed Focal Length Lens	Type:
Modular	Special Type of Lens:
Physical & Mechanical Properties	
Fixed	Iris Option:
26.40	Length (mm):
30	Maximum Diameter (mm):
30	Outer Diameter (mm):
30	Weight (g):
0	Maximum Rear Protrusion (mm):
Optical Properties	
Field of View at Max Sensor Format: Horizontal: 50.7mm - 19.8° Vertical: 38mm - 14.9° Diagonal: 63.6mm - 24.6°	
Horizontal Field of View, 2/3" Sensor: 50.6mm - 19.7°	
Horizontal Field of View, 1/1.8" Sensor: 40.8mm - 15.5°	
Horizontal Field of View, 1/2" Sensor: 36.7mm - 14.4°	
Horizontal Field of View, 1/2.5" Sensor: 32.6mm - 12.4°	
Horizontal Field of View, 1/3" Sensor: 27.5mm - 10.8°	
11.00	Maximum Image Circle (mm):
0.042	Numerical Aperture NA, Object Side:
7 (6)	Number of Elements (Groups):
25.00	Focal Length FL (mm):
150 - ∞	Working Distance (mm):
Accessory Dependent	Aperture (f/#):
425 - 675nm BBAR	Coating:
425 - 675nm BBAR	Coating Specification:
15.89	Entrance Pupil Position (mm):
18.77	Object Space Principal Plane (mm):
-12.44	Image Space Principal Plane (mm):
0.22	Maximum Distortion (%):
-15.68	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:
Sensor	
2/3"	Maximum Sensor Format:
2.74	Pixel Size (µm):
Threading & Mounting	
M25.5 x 0.50 (Male)	Filter Thread:
#89-941 (Required)	Filter Thread Adapter:
	Mount:

-20 to +60

[View](#) **Certificate of Conformance:**

- Up to 2/3", C-Mount Lens
- Up to 7.5 MegaPixels, 2.8µm Pixel Size Sensors
- Flexible (Cx) Version of our C Series Lenses with Interchangeable Apertures, Filters and Liquid Lens
- 12mm to 50mm Focal Length

These lenses won the Silver Level 2016 Innovators Award and the 2nd place 2017 Inspect Award.

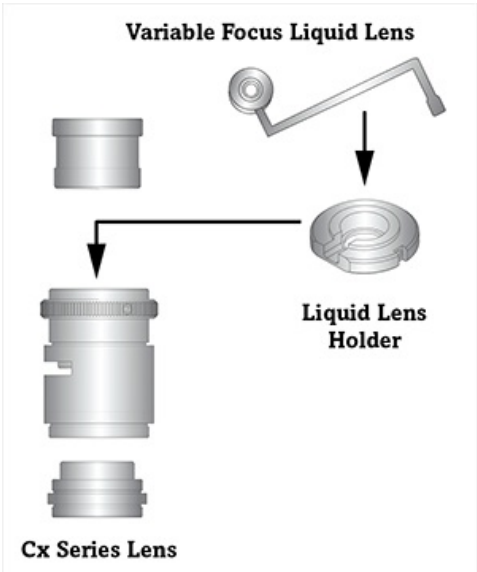
Edmund Optics has created a family of high performance optical designs (the C Series family) and developed 6 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the C Series lenses providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

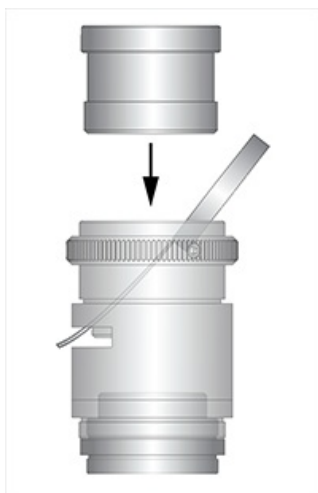
- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a [VIS-NIR Broadband Anti-Reflection \(BBAR\) Coating](#).
- **CI Series:** Simplified mechanics featuring 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.

[illegible]

	12mm	16mm	25mm	35mm	35mm	50mm
Compatible Liquid Lens	A-25H0	A-25H0	A-25H0	A-25H0	A-39N0	A-39N0
Compatible Liquid Lens Stock No.	#34-282	#34-282	#34-282	#34-282	#34-283	#34-283
Compatible Liquid Lens Development Kit	#34-284	#34-284	#34-284	#34-284	#34-285	#34-285
Liquid Lens Holder Stock No.	#33-631	#33-645	#33-660	#33-675	#33-674	#33-686

Step 1: Choose the focal length of the CxLens and the compatible Variable Focus Liquid Lens and Liquid Lens Holder. Or simply choose appropriate CxLens Kit, which includes a CxLens and its compatible Variable Focus Liquid Lens and Liquid Lens Holder.





Step 2: Mount the Variable Focus Liquid Lens into the Liquid Lens Holder. Next, assemble both items into the middle of the Cx Lens. [Complete instructions can be found in the downloadable PDF manual.](#)

Step 3, Option 1: Attach Liquid Lens to a [PixeLink USB 3.0 Autofocus Camera](#). This camera provides seamless integration - both driver and autofocus software is included.



Step 3, Option 2: Use with standard C-Mount camera. Driver is not included and a separate Liquid Lens driver must be purchased separately (included in Liquid Lens Development Kit).



Compatible Cameras