

TECHSPEC®

Liquid Lens Holder for 16mm Cx Lens



#33-645: Liquid Lens Holder for 16mm Cx Lens

Stock #33-645 12 In Stock

-

1

+

A\$57<sup>20</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | A\$57.20 each                 |
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Product Downloads

General

Type:

Lens Accessory

Compatible Lens:

[#33-563](#)

Optical Properties

Lens Wavelength Range:

VIS

Regulatory Compliance

- 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 **2<sup>nd</sup> place 2017 Inspect Award**.

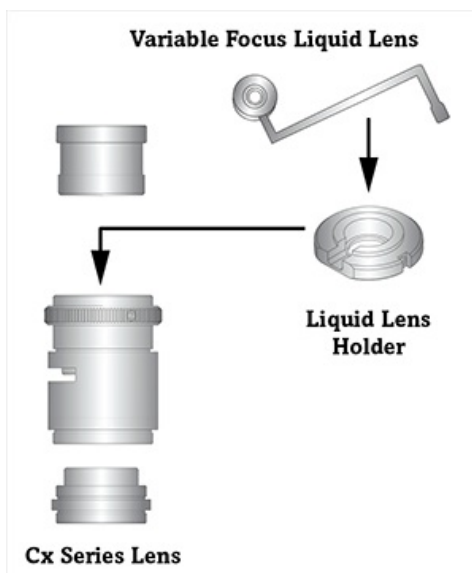
Edmund Optics has created a family of high performance optical designs (the C Series family) and developed 6 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the C Series lenses providing the same optical performance in a variety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

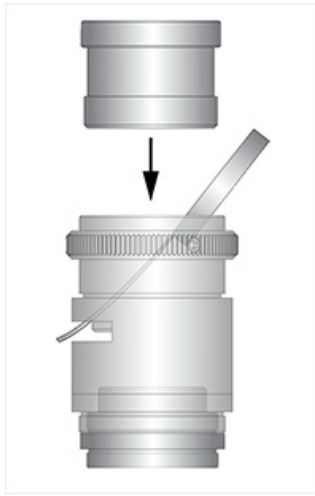
- **C Series:** Features locking cam focus and iris adjustment and is the most adjustable version of these optical designs; they are the typical high quality machine vision lenses. Also available with a [VIS-NIR Broadband Anti-Reflection \(BBAR\) Coating](#).
- **CI Series:** Simplified mechanics featuring 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.
- **CxSeries:** 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 drawing of the 16mm Liquid Lens Holder, #33-645. The drawing includes three views: a front view (left), a side view (middle), and a cross-sectional view (right). The front view shows a circular component with a central hole of diameter Ø20.99 (.826"). The side view shows the component's profile with a total height of 1.3 (.051"). The cross-sectional view shows the internal structure, including a central hole of diameter Ø8 (.315"). Dimensions are provided in both inches and millimeters.

|                                        | 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.       | <a href="#">#34-282</a> | <a href="#">#34-282</a> | <a href="#">#34-282</a> | <a href="#">#34-282</a> | <a href="#">#34-283</a> | <a href="#">#34-283</a> |
| Compatible Liquid Lens Development Kit | <a href="#">#34-284</a> | <a href="#">#34-284</a> | <a href="#">#34-284</a> | <a href="#">#34-284</a> | <a href="#">#34-285</a> | <a href="#">#34-285</a> |
| Liquid Lens Holder Stock No.           | <a href="#">#33-631</a> | <a href="#">#33-645</a> | <a href="#">#33-660</a> | <a href="#">#33-675</a> | <a href="#">#33-674</a> | <a href="#">#33-686</a> |

**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).

