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TECHSPEC[®]

f/5.6 Filter Holder for 35mm Cx Lens



Filter Holder for Cx lens



Stock **#33-617** **5 In Stock**

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1

+

€36^{.75}

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Volume Pricing	
Qty 1+	€36,75 each
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General

Lens Accessory

Type:

Physical & Mechanical Properties

1.955 Inner Diameter (mm):

Outer Diameter (mm):

20.99

3.20

Optical Properties	
Refractive Index (n)	1.52
Transmittance (%)	92
Absorption Coefficient (k)	0.005
Optical Density (OD)	0.02
Scattering Coefficient (S)	0.01
Fluorescence Intensity	0.15
Photoluminescence (PL)	0.08
UV-Vis Absorption	0.001
Infrared (IR) Absorption	0.002
Raman Scattering	0.003
Thermal Stability	0.004
Thermal Conductivity	0.005
Thermal Expansion	0.006
Thermal Shrinkage	0.007
Thermal Degradation	0.008
Thermal Oxidation	0.009
Thermal Reduction	0.010
Thermal Hydrolysis	0.011
Thermal Polymerization	0.012
Thermal Crystallization	0.013
Thermal Annealing	0.014
Thermal Curing	0.015
Thermal Drying	0.016
Thermal Compression	0.017
Thermal Expansion	0.018
Thermal Shrinkage	0.019
Thermal Degradation	0.020
Thermal Oxidation	0.021
Thermal Reduction	0.022
Thermal Hydrolysis	0.023
Thermal Polymerization	0.024
Thermal Crystallization	0.025
Thermal Annealing	0.026
Thermal Curing	0.027
Thermal Drying	0.028
Thermal Compression	0.029
Thermal Expansion	0.030
Thermal Shrinkage	0.031
Thermal Degradation	0.032
Thermal Oxidation	0.033
Thermal Reduction	0.034
Thermal Hydrolysis	0.035
Thermal Polymerization	0.036
Thermal Crystallization	0.037
Thermal Annealing	0.038
Thermal Curing	0.039
Thermal Drying	0.040
Thermal Compression	0.041
Thermal Expansion	0.042
Thermal Shrinkage	0.043
Thermal Degradation	0.044
Thermal Oxidation	0.045
Thermal Reduction	0.046
Thermal Hydrolysis	0.047
Thermal Polymerization	0.048
Thermal Crystallization	0.049
Thermal Annealing	0.050
Thermal Curing	0.051
Thermal Drying	0.052
Thermal Compression	0.053
Thermal Expansion	0.054
Thermal Shrinkage	0.055
Thermal Degradation	0.056
Thermal Oxidation	0.057
Thermal Reduction	0.058
Thermal Hydrolysis	0.059
Thermal Polymerization	0.060
Thermal Crystallization	0.061
Thermal Annealing	0.062
Thermal Curing	0.063
Thermal Drying	0.064
Thermal Compression	0.065
Thermal Expansion	0.066
Thermal Shrinkage	0.067
Thermal Degradation	0.068
Thermal Oxidation	0.069
Thermal Reduction	0.070
Thermal Hydrolysis	0.071
Thermal Polymerization	0.072
Thermal Crystallization	0.073
Thermal Annealing	0.074
Thermal Curing	0.075
Thermal Drying	0.076
Thermal Compression	0.077
Thermal Expansion	0.078
Thermal Shrinkage	0.079
Thermal Degradation	0.080
Thermal Oxidation	0.081
Thermal Reduction	0.082
Thermal Hydrolysis	0.083
Thermal Polymerization	0.084
Thermal Crystallization	0.085
Thermal Annealing	0.086
Thermal Curing	0.087
Thermal Drying	0.088
Thermal Compression	0.089
Thermal Expansion	0.090
Thermal Shrinkage	0.091
Thermal Degradation	0.092
Thermal Oxidation	0.093
Thermal Reduction	0.094
Thermal Hydrolysis	0.095
Thermal Polymerization	0.096
Thermal Crystallization	0.097
Thermal Annealing	0.098
Thermal Curing	0.099
Thermal Drying	0.100
Thermal Compression	0.101
Thermal Expansion	0.102
Thermal Shrinkage	0.103
Thermal Degradation	0.104
Thermal Oxidation	0.105
Thermal Reduction	0.106
Thermal Hydrolysis	0.107
Thermal Polymerization	0.108
Thermal Crystallization	0.109
Thermal Annealing	0.110
Thermal Curing	0.111
Thermal Drying	0.112
Thermal Compression	0.113
Thermal Expansion	0.114
Thermal Shrinkage	0.115
Thermal Degradation	0.116
Thermal Oxidation	0.117
Thermal Reduction	0.118
Thermal Hydrolysis	0.119
Thermal Polymerization	0.120
Thermal Crystallization	0.121
Thermal Annealing	0.122
Thermal Curing	0.123
Thermal Drying	0.124
Thermal Compression	0.125
Thermal Expansion	0.126
Thermal Shrinkage	0.127
Thermal Degradation	0.128
Thermal Oxidation	0.129
Thermal Reduction	0.130
Thermal Hydrolysis	0.131
Thermal Polymerization	0.132
Thermal Crystallization	0.133
Thermal Annealing	0.134
Thermal Curing	0.135
Thermal Drying	0.136
Thermal Compression	0.137

VIS

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

Product Details

- 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

TECHSPEC® Cx Series Fixed Focal Length Lenses are designed with simplicity and versatility to easily integrate into a range of application types. The modular 3-piece design allows for flexibility to integrate precision fixed apertures, internal filter holders, or liquid lenses into the assembly. These lenses also feature a simplified focus mechanism with easy to use lock nut and recessed set screws to lock focus position into place. The Cx Series lenses are ideal for applications such as machine vision, [factory automation](#), and research and development. For further documentation information or questions regarding ease of assembly and design support, please review our quick start guides, the lens manual or contact technical support.

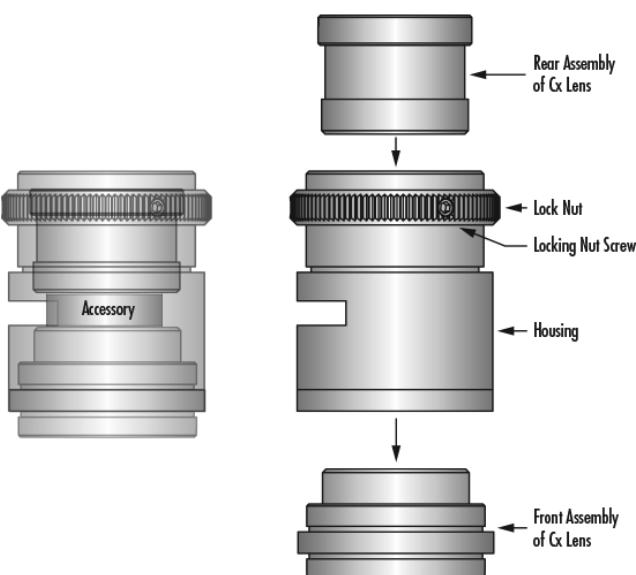
These lenses won the Silver Level 2016 Innovators Award and the 2nd place 2017 Inspect Award.

Note: One accessory is required for use with the Cx Series lenses. Accessories available include apertures, filter holders, or liquid lens holders. The liquid lens holders are compatible with our [Variable Focus Liquid Lenses](#).

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



Cx Lens Assembly Diagram

	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

Integrating Liquid Lenses into Cx Lenses

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

