

TECHSPEC® 35mm, f/5.6 Sealed UCw Series Fixed Focal Length Lens



UCw Series Fixed Focal Length Lenses

Stock #70-627 NEW 3 In Stock

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+

₹26,019

Price inclusive of all taxes

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Qty 1+	₹26,019 each
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General

UCw Series	Product Family:
Fixed Focal Length Lens	Type:

High Performance Lens with Compact Form Factor	Imaging Lens Type:
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Physical & Mechanical Properties

Fixed	Iris Option:
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51.46	Length (mm):
38	Maximum Diameter (mm):
38	Outer Diameter (mm):
2.11	Maximum Rear Protrusion (mm):
52.76	Maximum Length (mm):

Optical Properties

11.1°	Horizontal Field of View @ Max Sensor Format:
11.9°	Horizontal Field of View, 1/1.8" Sensor:
10.6°	Horizontal Field of View, 1/2" Sensor:
9.6°	Horizontal Field of View, 1/2.5" Sensor:
7.9°	Horizontal Field of View, 1/3" Sensor:
6.0°	Horizontal Field of View, 1/4" Sensor:
9.00	Maximum Image Circle (mm):
0.01	Numerical Aperture NA, Object Side:
7 (5)	Number of Elements (Groups):
35.00	Focal Length FL (mm):
200 - ∞	Working Distance (mm):
f/5.6	Aperture (f/#):
λ/4 MgF ₂	Coating:
λ/4 MgF ₂	Coating Specification:
34.01	Entrance Pupil Position (mm):
49.24	Object Space Principal Plane (mm):
-19.45	Image Space Principal Plane (mm):
-0.22	Maximum Distortion (%):
-46.71	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:

Sensor

1/2.5"	Optimized Sensor Format:
1/1.8"	Maximum Sensor Format:
1.85	Pixel Size (μm):

Threading & Mounting

M25.5 x 0.50 (Female)	Filter Thread:
C-Mount	Mount:

Environmental & Durability Factors

IPX7	Environmental Rating:
-20 to +60 For questions regarding operating temperature please contact our support team	Storage Temperature (°C):

	Type of Ruggedization:
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Waterproof (IPX7)	
Regulatory Compliance	
View	Certificate of Conformance:
China	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Up to 1/2", C-Mount Lens
- Ultra-Compact (UC), High Resolution Lens for Small Sensors
- Waterproof Versions of UC Series Fixed Focal Length Lenses
- Meets IEC Ingress Protection Ratings of IPX7

TECHSPEC® UCw Series Fixed Focal Length Lenses are waterproof versions of our [TECHSPEC® UC Series Fixed Focal Length Lenses](#), and are designed to meet IEC Ingress Protection Codes IPX7 to withstand exposure to water up to 1 meter depth for 30 minutes. Additionally, their compact size provides high performance at an affordable cost without sacrificing quality or feel. These lenses include a hydrophobic coated window to prevent water droplets from settling on the lens' surface and are sealed with multiple O-rings to prevent moisture from entering the housing. TECHSPEC® UCw Series Fixed Focal Length Lenses are ideal for applications in space constrained, harsh environments such as food inspection, security, medical, and factory automation.

Edmund Optics has created a family of high-performance ultra-compact optical designs (the UC Series family) and developed 3 customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the UC Series lenses providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

UC Series: Features locking cam focus and iris adjustment in an ultra-compact design and is the most adjustable version of these optical designs; they are the typical high-quality machine vision lenses.

UCi Series: Simplified mechanics featuring fixed apertures with compact housing. **Industrial Ruggedization** for reduced size, cost, and locked focus.

UCr Series: All optics glued in place and a locking C-clamp focus ring. **Stabilized Ruggedization** for reduced pixel shift and improved focus stability.

UCw Series: Waterproof, designed to meet IEC **Ingress Protection** Code IPX7 to withstand exposure to water up to 1 meter depth for 30 minutes.