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## TECHSPEC® UCr Series Fixed Focal Length Lenses



- [Ruggedized Designs](#) of our [UC Series Lens](#)
- 1/1.8", S-Mount Lens with 50g Shock Resistance
- Up to 12 MegaPixels, 1.85µm Pixel Size Sensors

### Common Specifications

#### General

<b>Series:</b>	UCr Series	<b>Functionality:</b>	Ruggedized
<b>Imaging Lens Type:</b>	Ruggedized High Performance Lens with Compact Form Factor		

#### Physical & Mechanical Properties

<b>Iris Option:</b>	Fixed		
<b>Length (mm):</b>	38.00	<b>Maximum Diameter (mm):</b>	22.00
<b>Outer Diameter (mm):</b>	22.00	<b>Maximum Length (mm):</b>	38.00

#### Optical Properties

<b>Horizontal Field of View @ Max Sensor Format:</b>	34.0°	<b>Field of View at Max Sensor Format:</b>	Horizontal: 34° Vertical: 25.6° Diagonal: 42.2°
<b>Horizontal Field of View, 1/1.8" Sensor:</b>	34.0°	<b>Horizontal Field of View, 1/2" Sensor:</b>	30.3°

<b>Horizontal Field of View, 1/2.5" Sensor:</b>	27.5°	<b>Horizontal Field of View, 1/3" Sensor:</b>	22.8°
<b>Horizontal Field of View, 1/4" Sensor:</b>	17.1°	<b>Maximum Image Circle (mm):</b>	9.00
<b>Number of Elements (Groups):</b>	7 (6)	<b>Wavelength Range (nm):</b>	380 - 700
<b>Focal Length FL (mm):</b>	12.00	<b>Primary Magnification PMAG:</b>	0.105
<b>Working Distance (mm):</b>	100 - ∞	<b>Coating:</b>	λ/4 MgF <sub>2</sub>
<b>Coating Specification:</b>	λ/4 MgF <sub>2</sub>	<b>Entrance Pupil Position (mm):</b>	16.05
<b>Object Space Principal Plane (mm):</b>	23.04	<b>Image Space Principal Plane (mm):</b>	-1.82
<b>Maximum Distortion (%):</b>	-3.03	<b>Exit Pupil Position (mm):</b>	-18.56
<b>Wavelength:</b>	VIS		

**Sensor**

<b>Optimized Sensor Format:</b>	1/2.5"
<b>Maximum Sensor Format:</b>	1/1.8"

**Threading & Mounting**



<b>Filter Thread:</b>	M22 x 0.75 (Female)		
<b>Front Thread:</b>	M22 x 0.75 (Female)	<b>Mount:</b>	S-Mount (M12 x 0.5)

**Environmental & Durability Factors**

<b>Storage Temperature (°C):</b>	-20 to +60 For questions regarding operating temperature please contact our support team
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## Technical Information

Products

FL (mm)	Max. Sensor Format	Aperture (f/#)	WD (mm)	Mount	Stock Number	Price	Buy
<a href="#">#71-453 New</a>							
							
New							
Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!							
12.00	1/1.8"	f/1.8	100 - ∞	S-Mount (M12 x 0.5)		₹21,315	Contact Us
<a href="#">#71-454 New</a>							
							
New							
Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!							
12.00	1/1.8"	f/2.8	100 - ∞	S-Mount (M12 x 0.5)		₹21,315	10 to 12 days

[#71-455 New](#)



New

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12.00	1/1.8"	f/4.0	100 - $\infty$	S-Mount (M12 x 0.5)	₹21,315	10 to 12 days
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[#71-456 New](#)



New

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12.00	1/1.8"	f/5.6	100 - $\infty$	S-Mount (M12 x 0.5)	₹21,315	10 to 12 days
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[#71-457 New](#)



New

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12.00	1/1.8"	f/8.0	100 - $\infty$	S-Mount (M12 x 0.5)	₹21,315	10 to 12 days
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[#71-458 New](#)



New

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12.00	1/1.8"	f/11.0	100 - $\infty$	S-Mount (M12 x 0.5)	₹21,315	10 to 12 days
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[#71-459 New](#)



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first to buy  
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else!

12.00	1/1.8"	f/16.0	100 - $\infty$	S- Mount (M12 x 0.5)	₹21,315	10 to 12 days
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