

All Products / Imaging Lenses / Fixed Focal Length Lenses

TECHSPEC* UCr Series Fixed Focal Length Lenses



- Ruggedized Designs of our <u>UC Series Lens</u>
 1/1.8", S-Mount Lens with 50g Shock Resistance
- Up to 12 MegaPixels, 1.85µm Pixel Size Sensors

Common Specifications General

Series:	UCr Series	Imaging Lens Type:	Ruggedized High Performance Lens with Compact Form Factor				
Physical & Mecha	Physical & Mechanical Properties						
Iris Option:	Fixed	Length (mm):	38.00				
Maximum Diameter (mm):	22.00	Outer Diameter (mm):	22.00				
Maximum Length (mm):	38.00						
Optical Properties	3	1					
Horizontal Field of View @ Max Sensor Format:	34.0°						
Field of View at Max Sensor Format:	Horizontal: 34° Vertical: 25.6° Diagonal: 42.2°	Horizontal Field of View, 1/1.8" Sensor:	34.0°				
Horizontal Field of View, 1/2" Sensor:	30.3°	Horizontal Field of View, 1/2.5" Sensor:	27.5°				

Horizontal Field of View 1/3" Sensor:	, 22.8°		Horizontal Field of View, 1/4" Sensor:	17.1°			
Maximum Image Circle (mm):	9.00		Number of Elements (Groups):	7 (6)			
Wavelength Range (nm):	380 - 700		Focal Length FL (mm):	12.00			
Working Distance (mm):	: 100 - ∞		Coating:	λ/4 MgF ₂			
Coating Specification:	λ/4 MgF ₂		Entrance Pupil Position (mm):	16.05			
Object Space Principal Plane (mm):	23.04		Image Space Principal Plane (mm):	-1.82			
Maximum Distortion (%):	-3.03		Exit Pupil Position (mm):	-18.56			
Wavelength:	VIS						
Sensor			•				
Optimized Sensor Form	at:		1/2.5"				
Maximum Sensor Forma	at:		1/1.8"				
Threading & Mounting							
Filter Thread:	M22 x 0.75 (Female)						
Front Thread:	M22 x 0.75 (Female)	Mount:	S-Mount (M12	2 x 0.5)			
Environmental & Durability Factors							
Storage Temperature (°C):	-20 to +60 For que regarding operatir temperature pleas contact our suppo	ng e	Type of Ruggedization:	Stabilized (Robust Mechanics for Shock and Vibration)			

Technical Information

Products

FL (mm)	Max. Sensor Format	Aperture (f/#)	WD (mm)	Mount	Stock Number	Price	Buy
12.00	1/1.8"	f/1.8	100 -	S- Mount (M12 x 0.5)	New Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	£208.25	3 ln Stock
12.00	1/1.8"	f/2.8	100 -	S- Mount (M12 x 0.5)	New Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!	£208.25	1 In Stock

#71-455 New

New

12.00 1/1.8" f/4.0 $\begin{array}{c} & & S-\\ 100-& Mount\\ & & (M12\ x\\ & & 0.5) \end{array}$

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£208.25

5 In Stock

#71-456 New

else!

New

12.00 1/1.8" f/5.6 $\begin{array}{c} & S-\\ 100-\\ \infty & (M12\ x)\\ 0.5) \end{array}$

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anyone else!

£208.25

1 In Stock

#71-457 New

New

12.00 1/1.8" f/8.0 $\begin{array}{c} & S-\\ 100-\\ \infty & (M12\ x)\\ 0.5) \end{array}$

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£208.25

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#71-458 New

anyone else!

New

12.00 1/1.8" f/11.0 ${\rm S-} \atop \infty$ Mount (M12 x 0.5)

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else!

£208.25

2 ln Stock

#71-459 New

New

12.00 1/1.8" f/16.0 $\begin{array}{c} & & S-\\ 100-& Mount\\ \infty & (M12\ x\\ 0.5) \end{array}$

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£208.25 2 In Stock



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