

[See all 53 Products in Family](#)

1.74mm FL, No IR-Cut Filter, f/2.8, Micro Video Lens



Stock **#56-774** CLEARANCE **20+ In Stock**

-

1

+

₹3,650

ADD TO CART

Volume Pricing	
Qty 1+	₹3,650 each
Need More?	Request Quote

Product Downloads

General	
Series:	Long Working Distance Optimized Imaging Lenses
Note:	Standard
Type:	M12 Imaging Lens
IR Cut Filter:	No
Physical & Mechanical Properties	
Iris Option:	

Fixed	
Length (mm):	19.60
Maximum Diameter (mm):	21.0
Outer Diameter (mm):	21

Optical Properties

Horizontal Field of View @ Max Sensor Format:	114.4
Maximum Image Circle (mm):	4.50
Resolution, On-Axis:	124 lp/mm @ 20% Contrast
Resolution, 0.7 Field:	87 lp/mm @ 20% Contrast
Resolution, Full Field:	30 lp/mm @ 20% Contrast
Focal Length FL (mm):	1.74
Working Distance (mm):	400 - ∞
Aperture (f/#):	f/2.8
Distortion (%):	-60 @ Full Field
Maximum Distortion (%):	-60
Lens Wavelength Range:	VIS

Sensor

Maximum Sensor Format:	1/4"
Pixel Size (µm):	3.45

Threading & Mounting

Filter Thread:	M12 x 0.50
Mount:	S-Mount (M12 x 0.5)

Regulatory Compliance

Reach 205:	Compliant
Certificate of Conformance:	View
Country of Origin:	South Korea
Imported By:	Edmund Optics India Private Limited

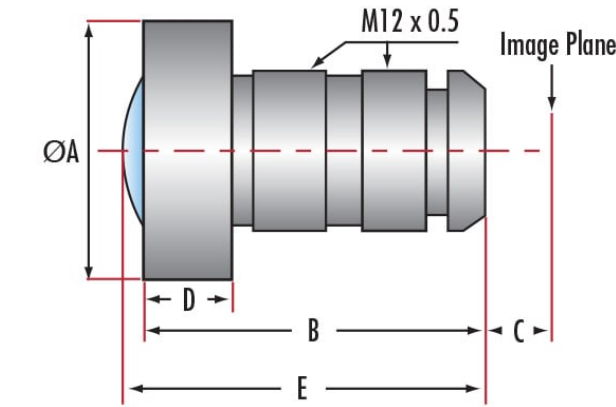
Product Details

- Up to 2/3", S-Mount Lens
- Wide Field of View Board Camera Lens
- 1.68mm to 50mm Focal Length

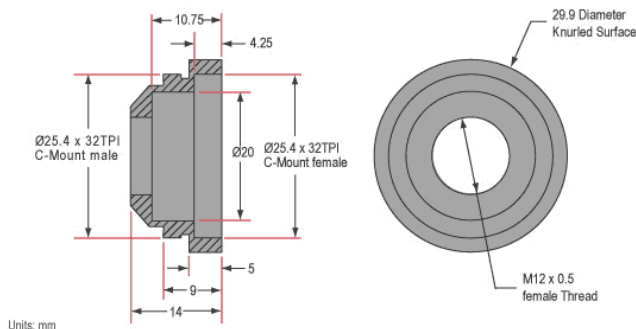
Long Working Distance Optimized Imaging Lenses are designed for use in micro sensor board cameras. These lenses provide excellent image quality in a small, versatile package. Optimized to cover 2/3" sensor formats, they are an ideal choice for wide angle and close focus applications. Long Working Distance Optimized Imaging Lenses have 1.68 to 50mm focal lengths. All lenses are threaded for M12 x 0.5. Some models with Back Focal Distances (dimension "C") less than 4mm may be incompatible with some color cameras due to the camera's Bayer filter. We recommend such lenses for use with monochrome cameras only. Lenses are designed for the 400nm to 700nm range.

Note: A line of [M12 Imaging Lens Accessories](#) is available for these products.

Technical Information



Infinite Conjugate M12 Imaging Lenses



Units: mm
C-Mount Adapter (#53-675)

Stock #		Focal Length (mm)	Aperture (f/#)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
No-IR Cut Filter	IR Cut Filter @650nm							
#59-776	#66-880	1.68	2.5	15.0	13.2	3.3	2.8	15.1
#56-774	#66-881**	1.74	2.8	21.0	19.61	3.33	3.2	N/A
#64-106	-	1.9	2.0	17.0	14.58	4.2	4.0	15.24
#55-569	#66-883	2.1	2.0	17.0	18.3	4.8	3.7	19.4
#57-681	#66-884***	2.5	2.5	17.0	19.1	4.4	3.7	20.3
#55-570	#66-885	2.9	2.0	15.0	17.4	5.2	5.8	17.8
#59-778	#66-886	3.0	2.0	14.0	15.3	5.3	3.9	N/A
#57-684	#66-890	6.05	1.8	15.0	15.6	8.0	6.0	N/A
#55-573	#66-891	6.37	2.4	14.8	13.12	5.3	3.3	N/A
#55-574	#66-892	8.0	2.5	15.0	13.5	5.8	3.0	N/A
#63-762	#59-779	10.1	2.8	15.0	13.4	6.1	3.2	N/A
#65-251	#64-107	10.4	2.8	14.0	8.93	6.4	4.0	N/A
#56-775	#66-893	12.0	2.0	14.0	12.1	6.2	4.0	N/A
#64-108	#66-894	16.0	2.0	14.0	14.4	8.0	4.5	N/A
#83-107	-	16.0	4.0	14.0	14.4	8.0	4.5	N/A
#56-776	#66-895	25.0	2.5	25.0	23.2	8.1	6.7	N/A
#59-780	#66-896	35.0	2.0	25.0	23.4	15.8*	6.0	N/A
#59-781	#66-897	50.0	2.5	27.0	52.8	4.1	8.0	N/A
*Note: 35.0mm lens has a large flange focal length. Please make proper adjustments when mounting. **#66-881, B(mm): 20.49 ***#66-884, B(mm): 19.8, E(mm): 21								

Stock #	Focal Length (mm)	Aperture (f/#)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
#88-587	3.0	2.0	15.0	15.35	5.2	4	16
#88-588	3.5	2.5	15.0	15.4	6.9	4	N/A
#11-323	3.7	1.6	19	24.04	5.46	6.5	24.16
#11-324	4.0	1.8	20	23.8	5.01	7	24.72
#88-589	4.0	2.0	15.0	16.1	5.9	3.8	N/A
#88-590	4.3	2.0	22.0	20.96	5.5	6	21.93
#11-325	4.6	1.6	19	24.18	5.44	7	24.32
#88-591	4.6	2.0	12.0	13.1	1.9	6	N/A
#88-592	5.6	2.0	17.0	22.21	5.3	5	22.38
#89-750	6.0	2.0	14.0	15.1	6.7	3.93	N/A
#11-326	7.0	1.6	19	25.24	5.47	7.2	24.2
#89-751	8.0	2.0	15.0	14.4	6.8	4.5	N/A
#89-752	12.0	2.0	15.0	14.3	5.7	4.5	N/A

