

# MVL-LF3540M-F

Φ43.2 mm 35 mm Focal Length FA Lens

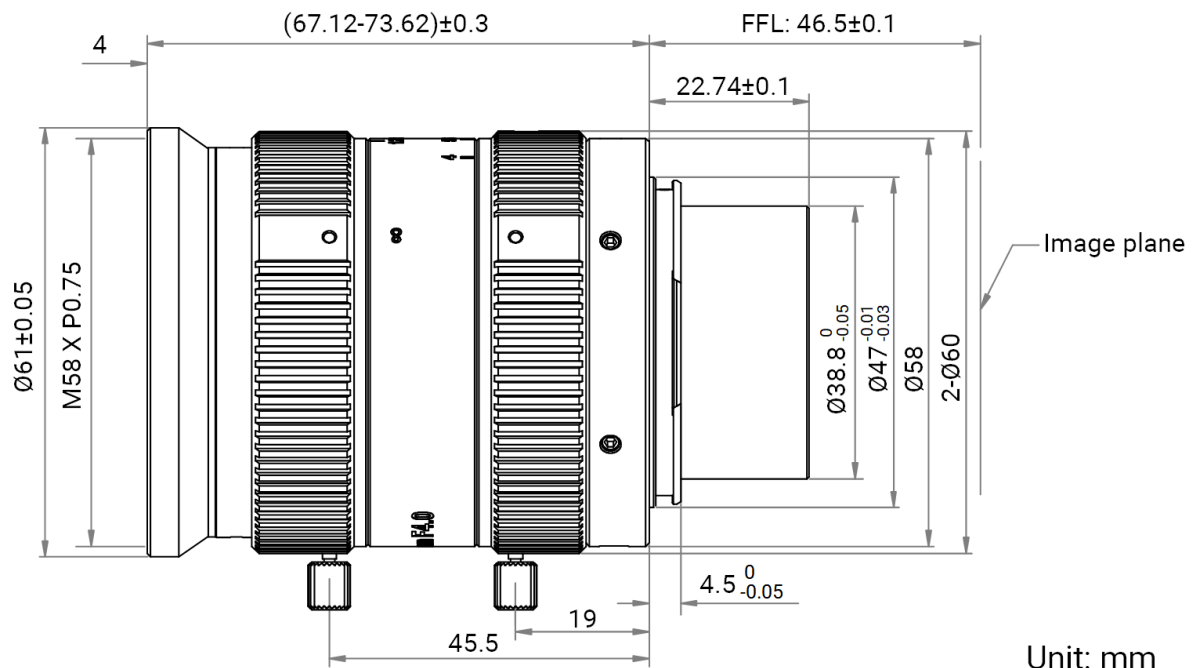
Designed for the machine vision industry, the high-resolution large format fixed focus lens has excellent imaging quality and high picture consistency, which can meet the needs of high resolution machine vision industry applications.



## Key Features

- Adopts high-precision lens for 8k 5 μm line scan cameras and full-frame area scan cameras.
- Provides excellent consistency of image clarity and low distortion.
- Provides ultra-high image resolution at the max. aperture of F4.
- Provides max. image size Φ43.2 mm.

## Dimension



## Specification

<b>Model</b>	<b>MVL-LF3540M-F</b>
<b>Performance</b>	
<b>Focal length</b>	35 mm
<b>F-number</b>	F4.0 to F16
<b>Image size</b>	Φ43.2 mm
<b>Optical distortion</b>	0.46%
<b>Magnification range</b>	0.05 x to 0.001 x
<b>Working distance range</b>	700 mm to inf mm (tolerance: ±5 mm)
<b>Conjugate distance range</b>	816 mm to inf mm (tolerance: ±9 mm)
<b>Mechanical</b>	
<b>Iris control</b>	Manual
<b>Focus control</b>	Manual
<b>Filter thread</b>	M52 × P0.75
<b>Mount</b>	F-mount
<b>Flange back length</b>	46.5 mm
<b>Dimension</b>	Φ61 mm × 67.12 mm to 73.62 mm (Φ2.4" × 2.6" to 2.9")
<b>Temperature</b>	-10 °C to 50 °C (14 °F to 122 °F)
<b>General</b>	
<b>Certification</b>	RoHS 2.0

## Field of View

Working Distance (mm)	Magnification	Object Image Distance (mm)	Field of View H (36.17 mm)	Field of View V (24.11 mm)	Field of View H (8k 5 μm)
700	-0.050	820	730.0	485.7	826.4
750	-0.046	870	783.4	521.4	886.6
800	-0.043	920	836.7	557.0	946.8
850	-0.041	969	890.1	592.7	1007.0
900	-0.039	1019	943.5	628.4	1067.2
950	-0.036	1069	996.8	664.1	1127.4
1000	-0.035	1119	1050.2	699.8	1187.6
1100	-0.031	1218	1156.9	771.2	1308.0
1200	-0.029	1318	1263.7	842.6	1428.5
1300	-0.026	1418	1370.4	913.9	1548.9
1400	-0.025	1517	1477.1	985.3	1669.3
1500	-0.023	1617	1583.9	1056.7	1789.7

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Hangzhou Hikrobot Co. Ltd.  
en.hikrobotics.com

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