

# MVL-LF5036M-M58-65MP

Ø46 mm 50 mm Focal Length FA Lens

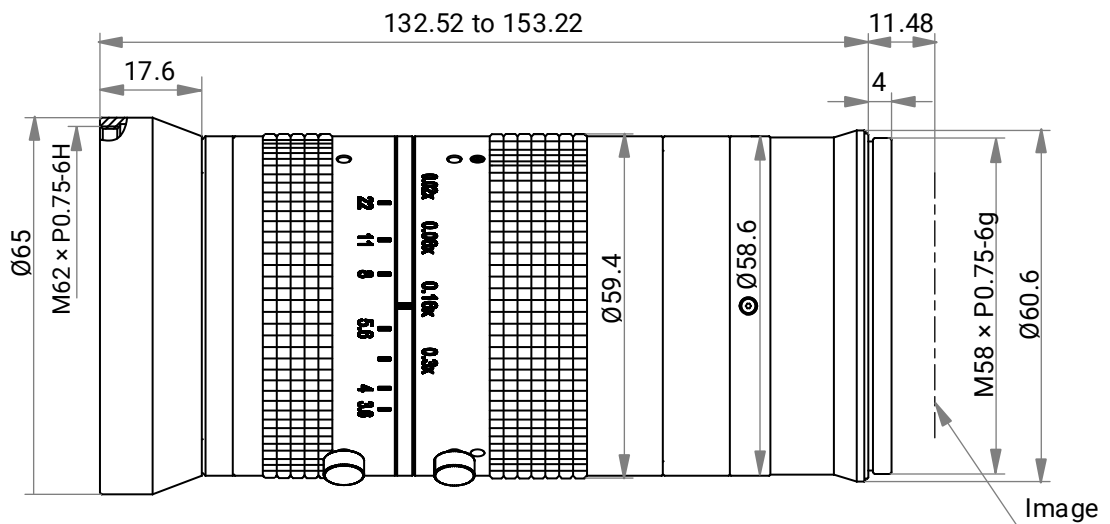
LF series large format FA lenses are optimized for machine vision with excellent image quality and high image uniformity. It is suitable for high-resolution machine vision industry applications.



## Key Features

- Adopts high-precision lens for 65MP area scan cameras.
- Provides excellent consistency of image clarity and low distortion.
- Provides max. image size Ø46 mm.

## Dimension



Unit: mm

## Specification

<b>Model</b>	<b>MVL-LF5036M-M58-65MP</b>
<b>Performance</b>	
<b>Focal length</b>	50 mm
<b>F-number</b>	F3.6 to F22
<b>Image size</b>	Ø46 mm
<b>Optical distortion</b>	0.3%
<b>Magnification range</b>	0.02x to 0.5x
<b>Working distance range</b>	80 mm to 2500 mm (tolerance: ±5 mm)
<b>Mechanical</b>	
<b>Iris control</b>	Manual
<b>Focus control</b>	Manual
<b>Filter thread</b>	M62 × P0.75
<b>Mount type</b>	M58 × P0.75
<b>Flange back length</b>	11.48 mm
<b>Dimension</b>	Ø65 mm × 132.5 mm to 153.2 mm (Ø2.6" × 5.2" to 6.0")
<b>Weight</b>	715.49 g (1.6 lb)
<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 (29.9 mm)	Field of View V (22.4 mm)
80	0.505	243.42	59.2	44.3
100	0.422	260.00	70.9	53.1
150	0.298	305.00	100.2	75.1
200	0.231	352.20	129.5	97.0
250	0.188	400.51	158.7	118.9
300	0.159	449.30	187.9	140.8
350	0.138	498.50	217.1	162.6
400	0.121	547.77	246.3	184.5
450	0.109	597.20	275.4	206.3
500	0.098	646.80	304.7	228.3
550	0.090	696.50	333.8	250.1
600	0.082	746.20	363.1	272.0
650	0.076	795.90	392.1	293.8
700	0.071	845.70	421.5	315.8
750	0.066	895.60	450.5	337.5
800	0.062	945.37	479.8	359.5
850	0.059	995.20	508.8	381.2
900	0.056	1045.00	538.3	403.2
950	0.037	1083.40	814.9	610.5
1000	0.035	1133.30	856.7	641.8
1100	0.032	1233.30	940.0	704.2
1200	0.029	1333.20	1023.4	766.7
1300	0.027	1433.20	1103.1	826.4
1400	0.025	1533.10	1190.1	891.6
1500	0.023	1633.10	1273.5	954.1

**HIKROBOT**

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