

MVL-LF2540M-M58-65MP

Ø46 mm 25 mm Focal Length FA Lens

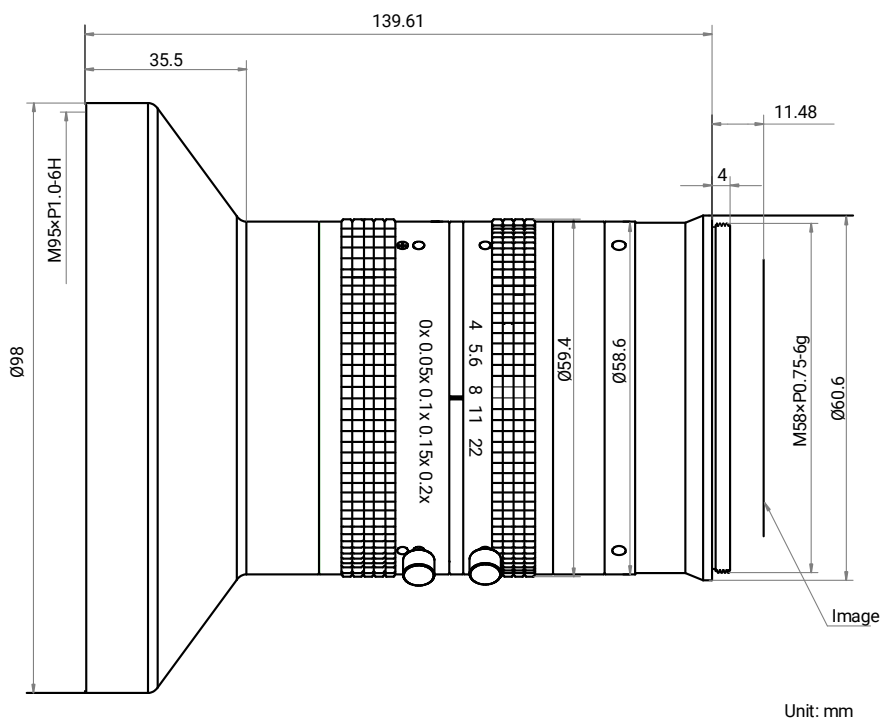
LF series large format FA lenses are optimized for machine vision with excellent image quality and high image uniformity. It is suitable for high-resolution machine vision industry applications.



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



Specification

Model	MVL-LF2540M-M58-65MP
Performance	
Focal length	25 mm
F-number	F4.0 to F22
Image size	Ø46 mm
Optical distortion	0.9%
Magnification range	0.001x to 0.2x
Working distance range	100 mm to inf mm (tolerance: ±5 mm)
Mechanical	
Iris control	Manual
Focus control	Manual
Filter thread	M95 × P1.0
Mount	M58 × P0.75
Flange back length	11.48 mm
Dimension	Ø98 × 139.6 mm (Ø3.9" × 5.5")
Weight	1.1kg (2.4 lb.)
Temperature	-10 °C to 50 °C (14 °F to 122 °F)
General	
Certification	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)
100	0.196	249.27	152.6	124.5
150	0.141	299.27	212.1	173.0
200	0.110	349.27	271.8	221.8
250	0.091	399.29	328.9	268.4
300	0.077	449.27	388.3	316.9
350	0.067	499.29	446.3	364.2
400	0.059	579.27	506.8	413.6
450	0.053	599.29	564.2	460.4
500	0.048	649.27	622.9	508.3
550	0.044	699.29	681.1	555.8
600	0.040	749.28	740.1	604.0
650	0.037	799.29	799.5	652.4
700	0.035	849.28	856.7	699.1
750	0.033	899.29	917.2	748.5
800	0.0307	949.28	973.9	794.8
850	0.029	999.28	1032.5	842.5
900	0.027	1049.29	1091.2	890.5
950	0.026	1099.29	1150.0	938.5
1000	0.025	1149.29	1210.5	987.9
1100	0.023	1249.29	1325.9	1082.0
1200	0.021	1349.29	1444.4	1178.7
1300	0.019	1449.29	1565.4	1277.5
1400	0.018	1549.29	1677.9	1369.2
1500	0.017	1649.28	1794.7	1464.6

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