

MVL-AF2524M-M42

Φ29 mm 25 mm Focal Length FA Lens

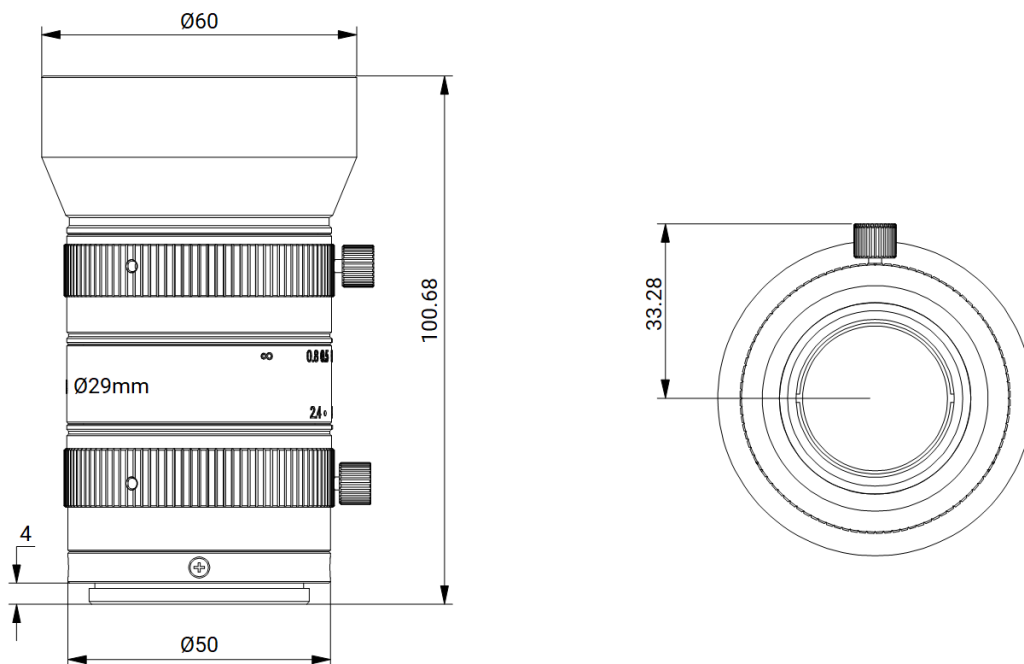
The high resolution large format lens designed for machine vision industry has excellent imaging quality and high image uniformity, which can meet the application of the machine vision industry with high resolution requirements.



Key Features

- Adopts high-precision lens for 4k 7 μm line scan cameras.
- Provides excellent consistency of image clarity, large aperture, and low distortion.
- Provides ultra-high resolution at the max. aperture of F2.4.
- Provides max. image size Φ29 mm.

Dimension



Unit: mm

Specification

Model	MVL-AF2524M-M42
Parameter	Fixed focal length, Manual iris, APS-C lens
Performance	
Focal length	25 mm
F-number	F2.4 to F16
Image size	Φ29 mm
Optical distortion	-0.34%
Magnification range	0.143 x to 0.001 x
Working distance range	150 mm to inf mm
Mechanical	
Iris control	Manual
Focus control	Manual
Filter thread	M58 × P0.75
Mount	M42 × P1
Flange back length	12 mm
Dimension	Φ60 mm × 96.68 mm (Φ2.4" × 3.8")
Weight	501 g (1.1 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 (4k 7 μm)
150	-0.143	258	202.1
200	-0.112	308	257.8
250	-0.092	358	313.3
300	-0.078	408	368.7
350	-0.068	458	424.1
400	-0.060	508	479.4
450	-0.054	558	534.7
500	-0.049	608	590.0
550	-0.044	658	645.2
600	-0.041	708	700.5
650	-0.038	758	755.7
700	-0.035	808	810.9
750	-0.033	858	866.2
800	-0.031	908	921.4
850	-0.029	958	976.6
900	-0.028	1008	1031.8
950	-0.026	1058	1087.0
1000	-0.025	1108	1142.2
1100	-0.023	1208	1252.7
1200	-0.021	1308	1363.1
1300	-0.019	1408	1473.5
1400	-0.018	1508	1583.9
1500	-0.017	1608	1694.3

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