

MVL-AF3528M-M42A

Φ29 mm 35 mm Focal Length FA Lens

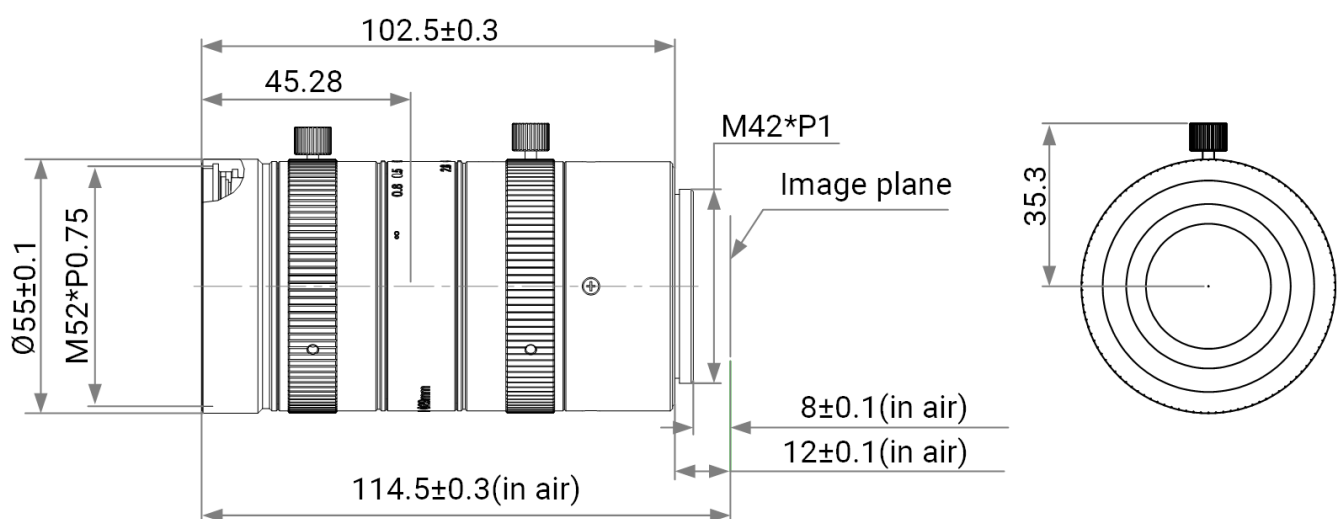
Designed for the machine vision industry, the high-resolution large format fixed focus lens has excellent imaging quality and high picture consistency, which can meet the needs of high resolution machine vision industry applications.



Key Features

- Adopts high-precision lens for 8k 7 μm line scan cameras.
- Provides excellent consistency of image clarity and low distortion.
- Provides ultra-high image resolution at the max. aperture of F2.8.
- Provides max. image size Φ29 mm.

Dimension



Unit: mm

Specification

Model	MVL-AF3528M-M42A
Parameter	Fixed focal length, Manual iris, APS-C Lens
Performance	
Focal length	35 mm
F-number	F2.8 to F16
Image size	Φ29 mm
Optical distortion	-0.16%
Magnification range	0.164 x to 0.001 x
Working distance range	200 mm to inf mm (tolerance: ±5 mm)
Mechanical	
Iris control	Manual
Focus control	Manual
Filter thread	M52 × P0.75
Mount	M42 × P1
Flange back length	12 mm
Dimension	Φ55 mm × 102.5 mm (Φ2.2" × 4.0")
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)
200	-0.164	309	175.8
250	-0.133	359	216.6
300	-0.112	409	257.2
350	-0.097	459	297.8
400	-0.085	509	338.3
450	-0.076	559	378.7
500	-0.069	609	419.2
550	-0.063	659	459.6
600	-0.057	709	500.0
650	-0.053	759	540.4
700	-0.049	809	580.9
750	-0.046	859	621.2
800	-0.043	909	661.8
850	-0.041	959	702.0
900	-0.039	1009	742.4
950	-0.037	1059	782.7
1000	-0.035	1109	823.1
1100	-0.032	1209	903.8
1200	-0.029	1309	984.5
1300	-0.027	1409	1065.3
1400	-0.025	1509	1146.0
1500	-0.023	1609	1226.7

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