

MVL-LF4040M-01-M72

Large Format $\Phi 58\text{mm}$ 40mm Focal Length FA Lens

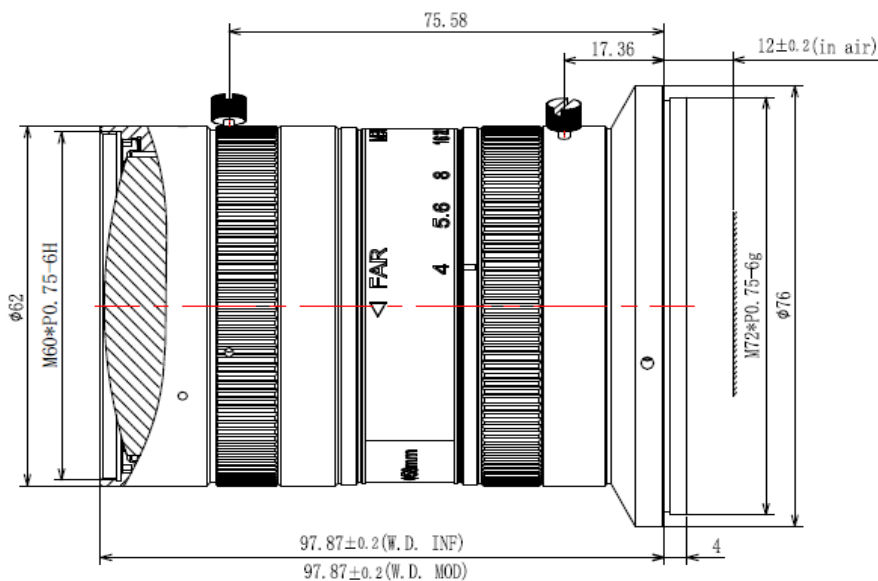
Designed for the machine vision industry, the high-resolution large-target fixed focus lens has excellent imaging quality and high picture consistency, which can meet the needs of high resolution machine vision industry applications.



Key Features

- Adopts high-precision lens for 8k 7 μm line scan cameras.
- Provides excellent picture sharpness consistency, low distortion.
- Provides superior resolution at maximum aperture of F4.
- Provides maximum image size $\Phi 58\text{ mm}$.

Dimension



Unit: mm

Specification

Model	MVL-LF4040M-01-M72
Performance	
Focal length	40 mm
F-number	F4.0 to F22
Image size	Φ58 mm
Optical distortion	-0.42%
Magnification range	0.21 x to 0.001 x
Working distance range	200 mm to inf mm (tolerance: ±5 mm)
Conjugate distance range	310 mm to inf mm (tolerance: ±9 mm)
Mechanical	
Iris control	Manual
Focus control	Manual
Filter thread	M60 × P0.75
Mount	M72 × P0.75
Flange back length	12 mm
Dimension	Φ76 mm × 97.9 mm (Φ3.0" × 3.9")
Weight	625 g (24.6 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 (8k 7 μm)
200	-0.212	310	270.1
250	-0.167	360	344.2
300	-0.138	410	417.2
350	-0.118	460	489.8
400	-0.103	510	562.0
450	-0.091	560	634.1
500	-0.082	610	706.1
550	-0.075	660	778.0
600	-0.068	710	849.9
650	-0.063	760	921.7
700	-0.058	810	993.4
750	-0.055	860	1065.2
800	-0.051	910	1136.9
850	-0.048	960	1208.6
900	-0.045	1010	1280.3
950	-0.043	1060	1351.9
1000	-0.041	1110	1423.6
1100	-0.037	1210	1566.9
1200	-0.034	1310	1710.2
1300	-0.031	1410	1853.5
1400	-0.029	1510	1996.7
1500	-0.027	1610	2140.0

HIKROBOT

Hangzhou Hikrobot Co., Ltd.
en.hikrobotics.com

© Hangzhou Hikrobot Co., Ltd. All Rights Reserved.

Hangzhou Hikrobot does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.