

MVL-LF8040M-021V-M72

Ø60mm 80mm Focal Length FA LENS

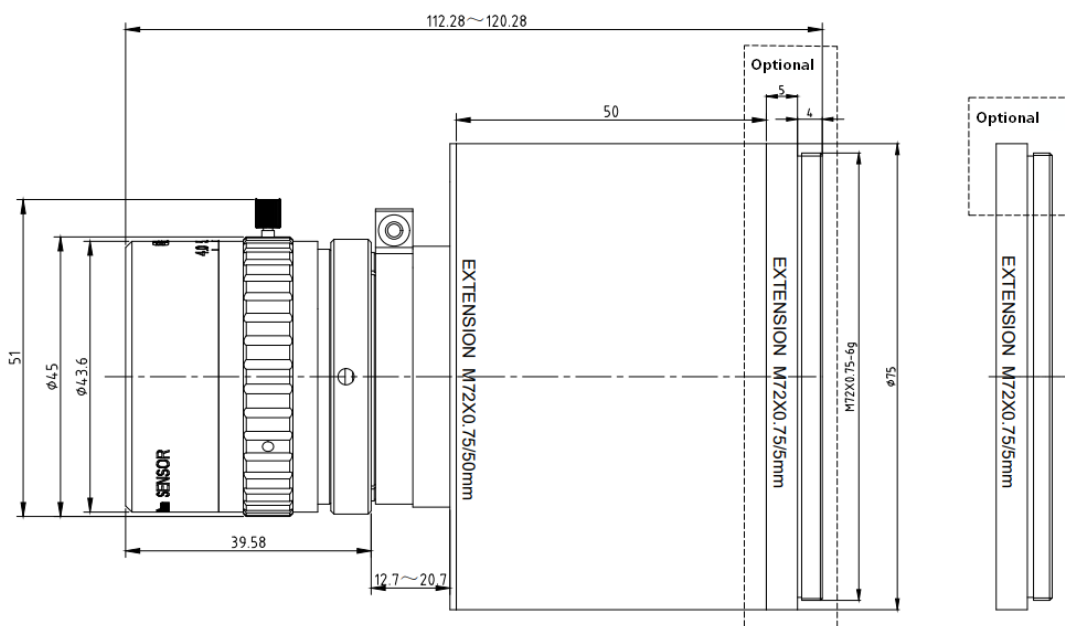
Designed for the machine vision industry, the high-resolution large-target fixed focus lens has excellent imaging quality and high picture consistency, which can meet the needs of high resolution machine vision industry applications.



Key Features

- High precision lens for 8K7U line array cameras
- Excellent picture sharpness consistency
- Superior resolution at maximum aperture of F4
- Maximum image size Ø60mm

Dimension



Unit: mm

Specification

Parameter	Model	MVL-LF8040M-021V-M72
		Fixed focal length, Manual iris, FA lens
Performance		
Focal length		80 mm
F-number		F4 to F22
Image size		Ø60 mm
Optical distortion		-0.11%
Magnification range		0.12x to 0.21x to 0.31x
Working distance range		750 mm to 450 mm to 325 mm ± 9 mm
Mechanical		
Iris control		Manual
Focus control		Manual
Filter thread		M39 × 0.5
Mount		M72 × P0.75
Flange back length		12 mm
Dimension		Ø45 mm × 108.28 mm to 116.28 mm (Ø1.77" × 4.26" to 4.58")
Weight		321.2 g (0.708 lb.)
Temperature		-10 °C to 50 °C (14 °F to 122 °F)
General		
Certification		RoHS 2.0

Corresponding table of working distance and magnification

Working distance (mm)	Magnification	Object distance (mm)	V to M72 adjustable range (mm)	M72 extension ring (mm)
322	0.3130	451.397	0-8	50+10
325	0.3093	454.0396	0-8	50+10
350	0.2823	476.8678	0-8	50+10
375	0.2600	500.058	0-8	50+10
442	0.2150	563.352	0-8	50+10
Working distance (mm)	Magnification	Object distance (mm)	V to M72 adjustable range (mm)	M72 extension ring (mm)
386	0.2520	510.352	0-8	50+5
400	0.2404	523.4812	0-8	50+5
450	0.2094	570.9712	0-8	50+5
500	0.1854	619.0366	0-8	50+5
550	0.1665	667.5067	0-8	50+5
595	0.1530	711.352	0-8	50+5
Working distance (mm)	Magnification	Object distance (mm)	V to M72 adjustable range (mm)	M72 extension ring (mm)
491	0.1900	610.352	0-8	50
500	0.1854	619.0366	0-8	50
550	0.1665	667.5067	0-8	50
600	0.1509	716.2493	0-8	50
650	0.1381	765.2122	0-8	50
700	0.1272	814.338	0-8	50
750	0.1180	863.588	0-8	50
957	0.0910	1068.352	0-8	50

HIKROBOT

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