

MA7520M-5MP

2/3" 75 mm 5 MP FA Lens

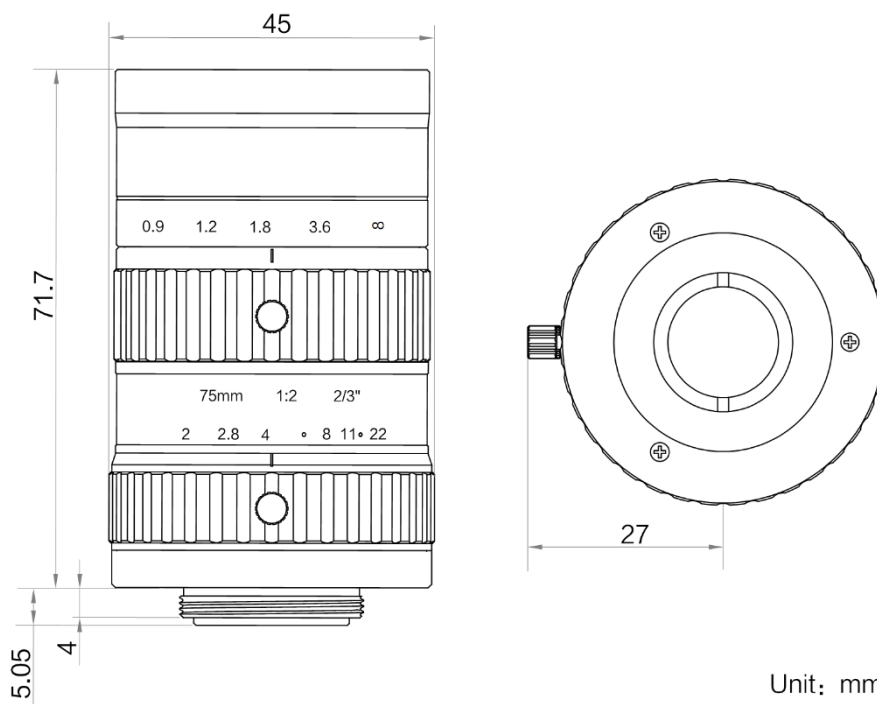
FA Lens are optimized for machine vision light sources and sensors, with high resolution, excellent image uniformity and good stability. Featured with fixed focal length, manual iris and compact size, it is suitable for machine vision industry applications.



Key Features

- High resolution, high picture clarity and uniformity
- Low distortion, high illumination relative
- Maximum image size Ø11 mm
- Support ultra-short working distance, maintaining excellent optical characteristics at different object distances

Dimension



Unit: mm

Specification

Model	MA7520M-5MP
Performance	
Focal length	75 mm
F-number	F2.0 to F22
Image size	Ø11 mm (2/3")
Distortion	0.02%
Minimum Object Distance	0.9 m
Field of View	D (11 mm): 8.4° H (8.8 mm): 6.7° V (6.6 mm): 5.0°
Mechanical	
Iris Control	Manual
Focus Control	Manual
Filter Thread	M40.5 × 0.5
Mount	C-mount
Flange Back Length	17.526 mm
Dimension	Ø45 mm × 71.7 mm (Ø1.8" × 2.8")
Weight	223 g (0.5 lb.)
Temperature	−10 °C to 50 °C (14 °F to 122 °F)
General	
Certification	RoHS 2.0

Field of View

Extension (mm)	Working Distance (mm)	Magnification	Field of View (mm)					
			2/3"		1/1.8"		1/2"	
			H (8.45)	V (7.07)	H (7.38)	V (4.92)	H (6.22)	V (4.67)
16.0	300	-0.300	28.37	23.71	24.76	16.47	20.84	15.63
9.0	400	-0.215	39.47	32.98	34.44	22.92	29.00	21.75
5.5	500	-0.168	50.59	42.29	44.15	29.40	37.19	27.90
3.5	600	-0.137	61.73	51.62	53.88	35.90	45.40	34.07
1.5	700	-0.116	72.70	60.81	63.48	42.31	53.49	40.16
0.5	800	-0.101	83.80	70.11	73.18	48.79	61.68	46.31
0	900	-0.089	94.99	79.48	82.96	55.31	69.93	52.50
	1000	-0.079	106.28	88.93	92.82	61.89	78.24	58.75
	1050	-0.075	111.93	93.65	97.76	65.18	82.40	61.87
	1100	-0.072	117.57	98.38	102.69	68.47	86.55	64.99
	1150	-0.069	123.22	103.10	107.62	71.75	90.71	68.11
	1200	-0.066	128.86	107.82	112.55	75.04	94.86	71.23
	1250	-0.063	134.50	112.54	117.47	78.33	99.01	74.35
	1300	-0.060	140.14	117.26	122.40	81.61	103.17	77.46
	1350	-0.058	145.78	121.98	127.33	84.89	107.32	80.58
	1400	-0.056	151.42	126.70	132.25	88.18	111.47	83.70
	1450	-0.054	157.06	131.42	137.18	91.46	115.62	86.82
	1500	-0.052	162.70	136.14	142.10	94.75	119.77	89.93
	1600	-0.049	173.97	145.57	151.95	101.31	128.07	96.16
	1700	-0.046	185.25	155.00	161.80	107.88	136.37	102.40
	1800	-0.043	196.52	164.43	171.64	114.44	144.67	108.62
	1900	-0.041	207.80	173.87	181.49	121.01	152.97	114.86
	2000	-0.039	219.07	183.30	191.34	127.57	161.27	121.09