



PMS-75MC8M

1" 8MP 75mm Large-Aperture High-Resolution FA Lens

Focal length 75mm. Iris range F2.8 -F22

1"

8MP

Focal Length
75mm

Iris Range
F2.8-F22

C-Mount

PRODUCTS ADVANTAGE

- Multi-layer coating effectively reduces stray light and ghosting
- Compatible with 8MP cameras
- High-resolution, high-contrast imaging
- Focus and iris adjustment screws with locking mechanism
- Compact structural design
- Low-distortion imaging

APPLICATION FIELDS

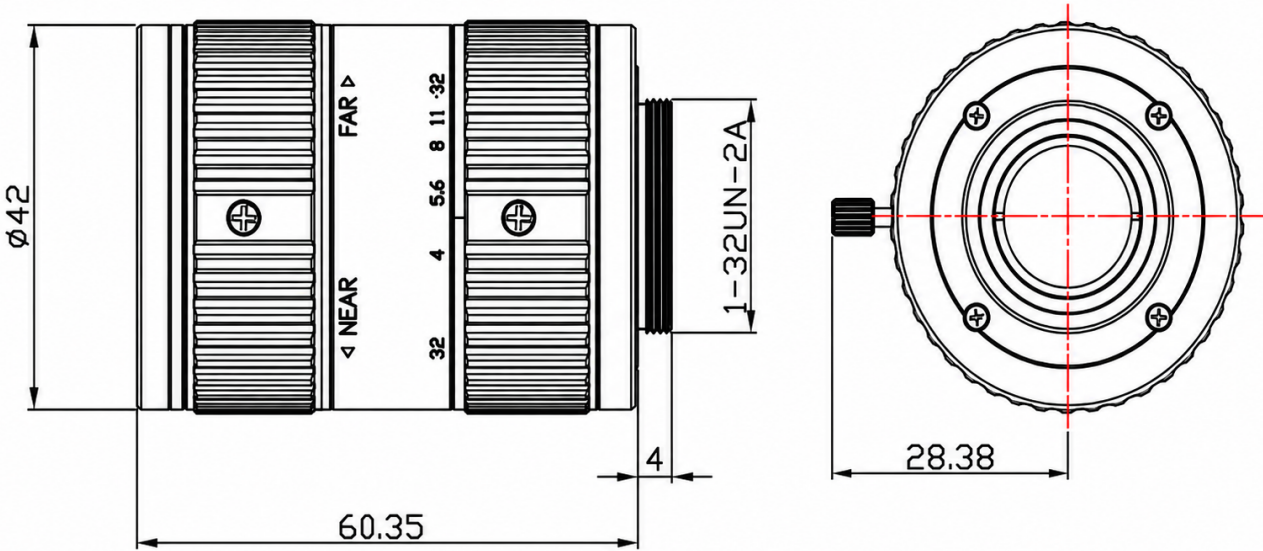
Application: widely used in machine vision, automatic production and electronic communication field.

Parametric

Product Model: PMS-75MC8M

No.	Item		Specification	
1	Maximum Sensor Size		1"(16mm)	
2	Focal Length		75mm	
3	Mount		C-Mount	
4	F/#		F2.8-F22	
5	Working Distance		0.5m~∞	
6	Field of View (Diagonally × Horizontally × Vertically)	1"	12.2°×9.8°×7.3°	
		1/2"	6.1°×4.9°×3.7°	
		1/3"	4.6°×3.7°×2.8°	
7	Object Size at Closest Focusing Distance	1"	89.2×71.36×53.5mm	
		1/2"	44.8×35.8×26.9mm	
		1/3"	33.6×26.9×20.2mm	
8	Back Focal Length (in air)		23.15mm	
9	Operation Method	Focus	Manual	
		Iris	Manual	
10	Distortion	1"	0.75%@y=8.0mm	
		1/2"	0.18%@y=4.0mm	
		1/3"	0.11%@y=3.0mm	
11	Filter Thread		M39×0.5	
12	Front Dimension (Diameter × Length)		42×60.35mm	
13	Weight		187g	
14	Operating Temperature		-10°C ~ +50°C	
15	Object Distance		33.48mm	
16	Object Height		26.65mm	
17	Image Distance		-48.22mm	
18	Image Height		17.42mm	
19	Optical Total Length		76.75mm	
20	Magnification		-0.1781	
Object Distance		Magnification	Front Depth (mm)	Rear Depth (mm)
500mm		-0.17806	0.6339	0.6355
550mm		-0.15908	0.7669	0.7690
600mm		-0.14376	0.9125	0.9153
650mm		-0.13112	1.0708	1.0744
700mm		-0.12054	1.2417	1.2462
750mm		-0.11153	1.4253	1.4307
800mm		-0.10377	1.6215	1.6281
850mm		-0.09703	1.8302	1.8382
900mm		-0.09110	2.0516	2.0610
950mm		-0.08586	2.2856	2.2967

Dimension Drawing



8MP

C-Mount

1"

M-Iris

