

POMEAS 2/3" FA Lens Series:
10MP: PMS-50MC10M



Product Introduction

- ◆ High resolution.
- ◆ Multi layer coating, high transmittance, effective suppression of stray light.
- ◆ Compact structure, small shape, more suitable for integrated application.
- ◆ Anti vibration and anti impact function.

Product Application

Widely used in machine vision, production automation and other industries.

PMS-50MC10M		Product Parameter	
Model		PMS-50MC10M	
Sensor Size		2/3"(11mm)	
Wavelength		420~1000nm	
Focal Length		50mm	
Interface		C-Mount	
Iris		F2.8-16	
FOV(Diagonal, Horizontal, Vertical)	2/3"	12.57°×10.08°×7.57°	
	1/2"	9.16°×7.34°×5.51°	
	1/3"	6.89°×5.51°×4.13°	
Object Size(At the closest focusing distance)	2/3"	54.1×43.3×32.5mm	
	1/2"	43.4×34.7×26.0mm	
	1/3"	32.5×26.0×19.5mm	
Back Focal Length (In Air)		14.24mm	
Operation Mode	Focus	Manual	
	Iris	Manual	
Distortion	2/3"	0.094%@y=5.5mm	
	1/2"	0.055%@y=4.0mm	
	1/3"	0.025%@y=3.0mm	
Focus Range		0.30m~∞	
Filter Thread Diameter		M27×P0.5	
Working Temperature		-20°C ~ +60°C	

Extension Ring(mm)	Working Distance	Magnification	FOV			
			2/3"		1/2"	
			H(8.45mm)	V(7.07mm)	H(6.22mm)	V(4.67mm)
0	1000	-0.05150	164.78	136.96	119.84	99.61
	950	-0.05429	156.29	129.90	113.66	94.47
	900	-0.05740	147.82	122.86	107.50	89.35
	850	-0.06091	139.32	115.80	101.32	84.21
	800	-0.06485	130.84	108.75	95.16	79.09
	750	-0.06935	122.36	101.70	88.99	73.96
	700	-0.07452	113.87	94.65	82.82	68.84
	650	-0.08051	105.39	87.60	76.65	63.71
	600	-0.08756	96.90	80.54	70.48	58.58
	550	-0.09606	88.42	73.49	64.30	53.45
	500	-0.10635	79.93	64.44	58.13	46.86
	450	-0.11898	71.45	59.38	51.96	43.19
	400	-0.13503	62.96	52.33	45.79	38.06
	350	-0.15608	54.46	45.27	39.61	32.92
300	-0.18542	45.97	38.21	33.43	27.79	
2	250	-0.22768	37.47	31.14	27.25	22.65
5	200	-0.29512	28.96	24.07	21.06	17.51

PMS-50MC10M		Product Dimension	
Unit: mm			