

POMEAS 2/3" FA Lens Series:
10MP: PMS-12MC10M



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

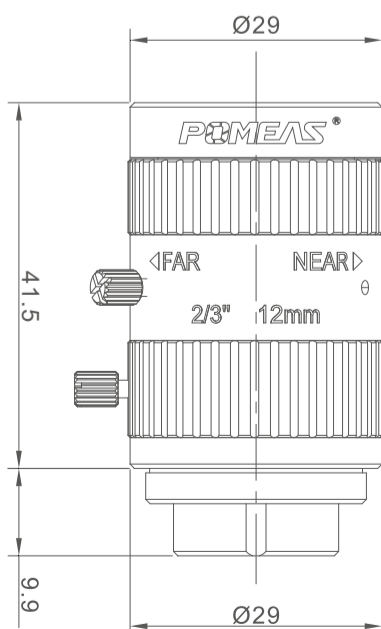
Widely used in machine vision, production automation and other industries.

PMS-12MC10M Product Parameter

Model		PMS-12MC10M
Sensor Size		2/3"(11mm)
Wavelength		420~1000nm
Focal Length		12mm
Interface		C-Mount
Iris		F2.8-16
FOV(Diagonal, Horizontal, Vertical)	2/3"	49.2°×40.3°×30.8°
	1/2"	36.9°×29.9°×22.7°
	1/3"	28.1°×22.7°×17.1°
Object Size(At the closest focusing distance)	2/3"	140.5×112.4×84.3mm
	1/2"	101.7×81.4×61.0mm
	1/3"	76.1×60.9×45.7mm
Back Focal Length (In Air)		8.43mm
Operation Mode	Focus	Manual
	Iris	Manual
Distortion	2/3"	0.037%@y=5.5mm
	1/2"	-0.17%@y=4.0mm
	1/3"	-0.15%@y=3.0mm
Focus Range		0.15m~∞
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	1000mm	-0.01198X	708.14	588.59	515.01	428.06
	950mm	-0.01261X	672.94	559.33	489.41	406.78
	900mm	-0.01331X	637.65	529.99	463.74	385.45
	850mm	-0.01409X	602.33	500.63	438.06	364.10
	800mm	-0.01497X	566.98	471.25	412.35	342.73
	750mm	-0.01596X	517.93	441.96	376.67	321.43
	700mm	-0.01709X	496.55	412.72	361.13	300.16
	650mm	-0.01840X	461.20	383.34	335.42	278.79
	600mm	-0.01993X	425.81	353.92	309.68	257.40
	550mm	-0.02172X	390.63	324.68	284.09	236.13
	500mm	-0.02389X	355.22	295.25	258.34	214.73
	450mm	-0.02651X	320.03	266.00	232.75	193.46
	400mm	-0.02980X	284.64	236.58	207.01	172.06
	350mm	-0.03405X	249.22	207.14	181.25	150.65
	300mm	-0.03964X	214.05	177.91	155.68	129.39
250mm	-0.04749X	178.67	148.50	129.94	108.00	
200mm	-0.05914X	143.47	119.25	104.34	86.73	
150mm	-0.07844X	108.18	89.91	78.68	65.39	
0.5	100mm	-0.11104X	76.42	63.51	55.58	46.19

PMS-12MC10M Product Dimension



Unit: mm

