

**POMEAS 2/3" FA Lens Series:**  
10MP: PMS-16MC10M



**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-16MC10M		Product Parameter	
Model		PMS-16MC10M	
Sensor Size		2/3"(11mm)	
Wavelength		420~1000nm	
Focal Length		16mm	
Interface		C-Mount	
Iris		F2.8-16	
FOV(Diagonal, Horizontal, Vertical)	2/3"	37.9°×30.7°×23.3°	
	1/2"	28.1°×22.6°×17.1°	
	1/3"	21.2°×17.0°×12.8°	
Object Size(At the closest focusing distance)	2/3"	107.9×86.3×64.7mm	
	1/2"	78.1×62.5×46.9mm	
	1/3"	65.8×52.6×39.5mm	
Back Focal Length (In Air)		8.63mm	
Operation Mode	Focus	Manual	
	Iris	Manual	
Distortion	2/3"	0.29%@y=5.5mm	
	1/2"	0.15%@y=4.0mm	
	1/3"	0.08%@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	-0.01591X	532.24	442.39	387.09	321.74
	950mm	-0.01675X	505.68	420.30	367.77	305.68
	900mm	-0.01768X	479.18	398.28	348.50	289.66
	850mm	-0.01870X	453.04	376.56	329.48	273.86
	800mm	-0.01986X	426.58	354.56	310.24	257.86
	750mm	-0.02116X	400.27	332.69	291.10	241.96
	700mm	-0.02266X	373.82	310.71	271.87	225.97
	650mm	-0.02439X	347.33	288.69	252.61	209.96
	600mm	-0.02639X	320.91	266.73	233.39	193.99
	550mm	-0.02877X	294.38	244.68	214.10	177.95
	500mm	-0.03160X	268.08	222.82	194.96	162.05
	450mm	-0.03504X	241.71	200.90	175.79	146.11
	400mm	-0.03935X	215.24	178.90	156.53	130.11
	350mm	-0.04486X	188.83	156.95	137.33	114.14
	300mm	-0.05216X	162.39	134.97	118.10	98.16
250mm	-0.06227X	136.03	113.06	98.93	82.23	
200mm	-0.07734X	109.52	91.03	79.65	66.21	
150mm	-0.10195X	83.08	69.05	60.42	50.22	
1	100mm	-0.14288X	59.28	49.27	43.11	35.83

