

**POMEAS 4/3" FA Lens Series:**  
12MP: PMS-16XC12M



**Product Introduction**

- ◆ High resolution.
- ◆ Multi layer coating, high transmittance, effective suppression of stray light.
- ◆ Large target area and wide field of vision.
- ◆ Anti vibration and anti impact function.

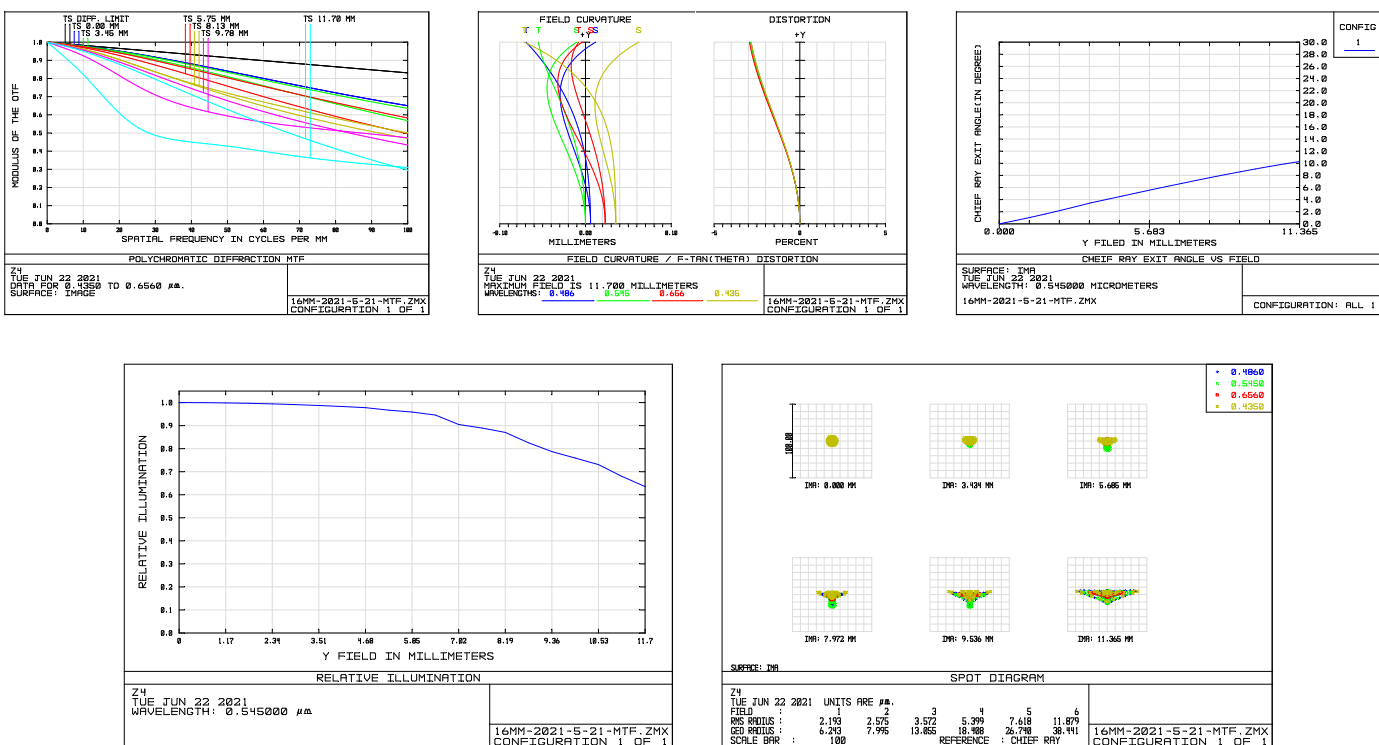
**Product Application**

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

**PMS-16XC12M Product Parameter**

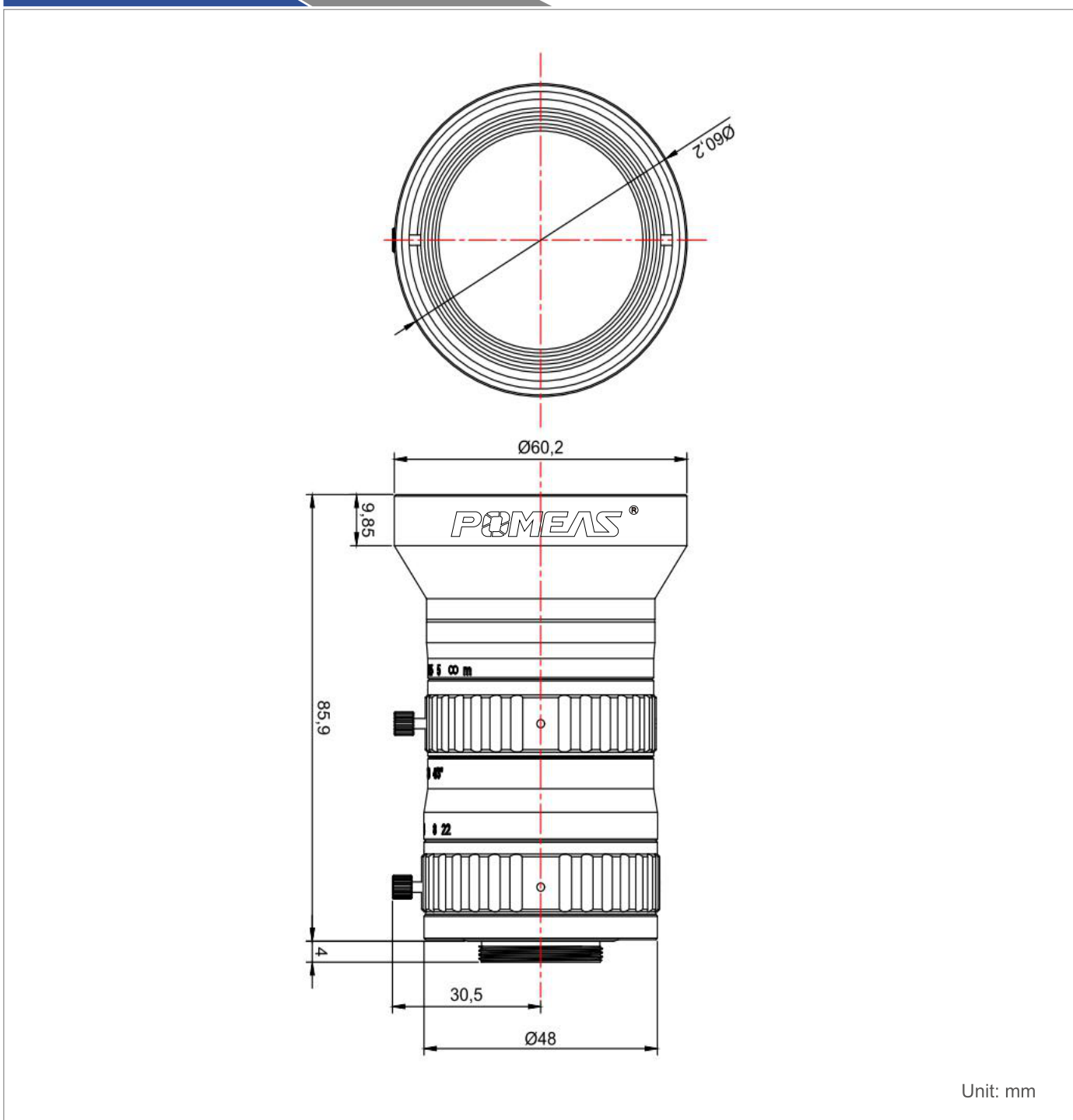
Model		PMS-16XC12M
Sensor Size		4/3"(23mm)
Wavelength		420~1000nm
Focal Length		16mm
Interface		C-Mount
Iris		F2.0-F22
FOV(Diagonal, Horizontal, Vertical)	4/3"	73.0°×61.0°×47.3°
	1"	54.2°×44.3°×33.6°
	1/2"	28.3°×22.7°×17.1°
Object Size(At the closest focusing distance)	4/3"	195.5×145.5×107.3mm
	1"	125.5×99.3×73.9mm
	1/2"	61.3×48.9×36.6mm
Back Focal Length (In Air)		21mm
Operation Mode	Focus	Manual
	Iris	Manual
Distortion	4/3"	-1.93%@y=11.5mm
	1"	-1.82%@y=8.0mm
	1/2"	-0.55%@y=4.0mm
Focus Range		0.1m~∞
Filter Thread Diameter		M58.0×P0.75
Weight		339g
Working Temperature		-20°C~+60°C

**PMS-16XC12M MTF Curve**



Working Distance	Magnification	FOV					
		4/3"		1"		2/3"	
		H(18mm)	V(13.5mm)	H(8.8mm)	V(6.6mm)	H(6.4mm)	V(4.8mm)
100mm	-0.13187X	141.9568	106.4676	69.40	52.05	37.86	37.86
150mm	-0.09332X	200.6016	150.4512	98.07	73.55	53.49	53.49
200mm	-0.07224X	259.1536	194.3652	126.70	95.02	69.11	69.11
250mm	-0.05893X	317.6752	238.2564	155.31	116.48	84.71	84.71
300mm	-0.04976X	376.1744	282.1308	183.91	137.93	100.31	100.31
350mm	-0.04307X	434.6608	325.9956	212.50	159.38	115.91	115.91
400mm	-0.03796X	493.1632	369.8724	241.10	180.83	131.51	131.51
450mm	-0.03394X	551.6016	413.7012	269.67	202.25	147.09	147.09
500mm	-0.03068X	610.1024	457.5768	298.27	223.70	162.69	162.69
550mm	-0.028X	668.6352	501.4764	326.89	245.17	178.30	178.30
600mm	-0.02575X	727.1264	545.3448	355.48	266.61	193.90	193.90

**PMS-16XC12M Product Dimension**



Unit: mm

