

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



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.

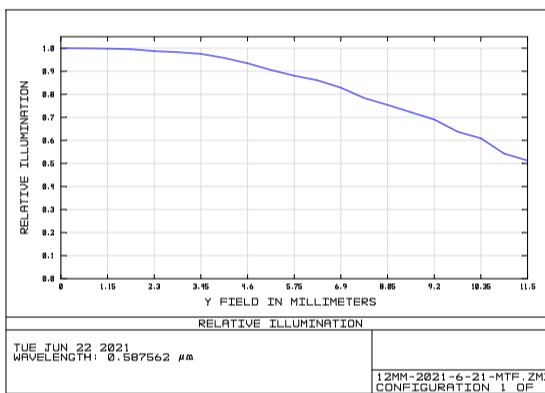
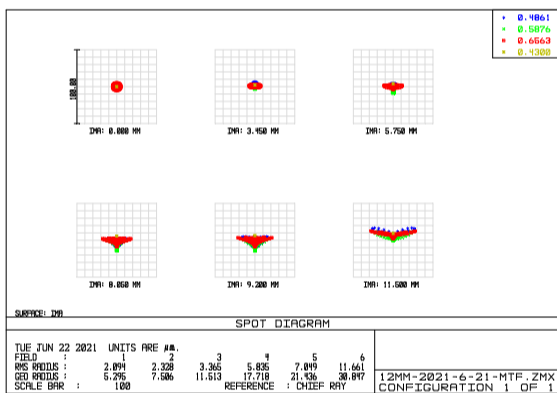
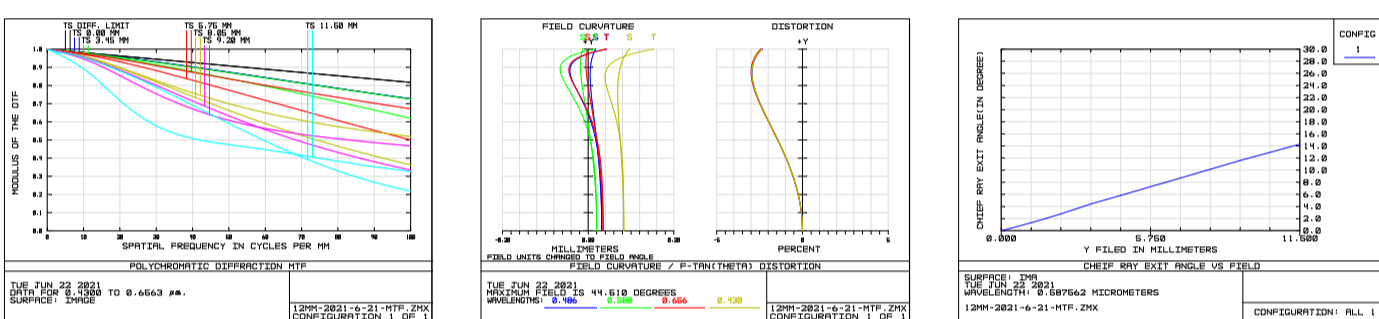
Product Application

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

PMS-12XC12M Product Parameter

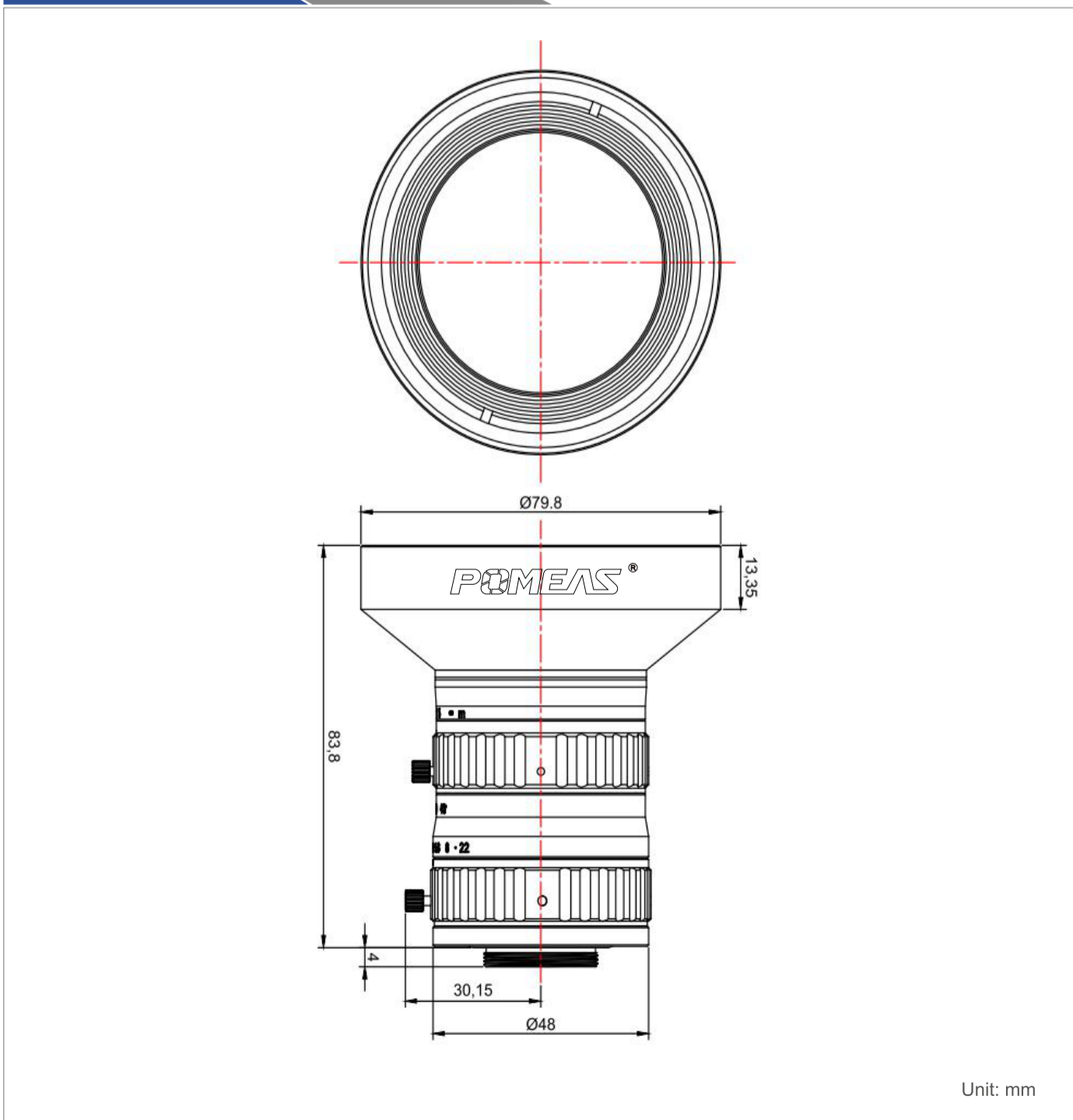
Model		PMS-12XC12M
Sensor Size		4/3"(23mm)
Wavelength		420~1000nm
Focal Length		12mm
Interface		C-Mount
Iris		F2.0-F22
FOV(Diagonal, Horizontal, Vertical)	4/3"	89.1°×75.6°×61.2°
	1"	69.0°×57.36°×44.3°
	1/2"	37.4°×30.2°×22.7°
Object Size(At the closest focusing distance)	4/3"	319.4×262.7×204.4mm
	1"	235.5×189.9×143.2mm
	1/2"	119.8×95.9×72.0mm
Back Focal Length (In Air)		18.8mm
Operation Mode	Focus	Manual
	Iris	Manual
Distortion	4/3"	-2.05%@y=11.5mm
	1"	-1.73%@y=8.0mm
	1/2"	-1.01%@y=4.0mm
Focus Range		0.15m~∞
Filter Thread Diameter		M77.0×P0.75
Weight		438g
Working Temperature		-20°C~+60°C

PMS-12XC12M 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)
150mm	-0.0692X	285.7808	214.3356	139.72	104.79	101.61	76.21
200mm	-0.0537X	367.9024	275.9268	179.86	134.90	130.81	98.11
250mm	-0.0438X	450.0256	337.5192	220.01	165.01	160.01	120.01
300mm	-0.0370X	532.1472	399.1104	260.16	195.12	189.21	141.91
350mm	-0.0321X	614.2704	460.7028	300.31	225.23	218.41	163.81
400mm	-0.0283X	696.392	522.294	340.46	255.34	247.61	185.70
450mm	-0.0253X	778.5152	583.8864	380.61	285.46	276.81	207.60
500mm	-0.0229X	860.6368	645.4776	420.76	315.57	306.00	229.50
550mm	-0.0209X	942.7584	707.0688	460.90	345.68	335.20	251.40
600mm	-0.0192X	1024.8816	768.6612	501.05	375.79	364.40	273.30

PMS-12XC12M Product Dimension



Unit: mm

