

POMEAS 1.1" FA Lens Series:
20MP: PMS-16UC20M-H



Product Introduction

- ◆ High resolution.
- ◆ Multi layer coating, high transmittance, effective suppression of stray light.
- ◆ Compact structure, small shape, more suitable for integrated application.
- ◆ Lower distortion rate for more application requirements.

Product Application

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

PMS-16UC20M-H		Product Parameter	
Model		PMS-16UC20M-H	
Sensor Size		1.1"(17.6mm)	
Wavelength		420~1000nm	
Focal Length		16mm	
Interface		C-Mount	
Iris		F2.8-F22	
FOV(Diagonal, Horizontal, Vertical)	1.1"	58.6°×46.88°×35.16°	
	1"	53.94°×43.92°×33.45°	
	1/2"	28.23°×22.62°×16.97°	
	1/3"	21.24°×16.98°×12.94°	
Object Size(At the closest focusing distance)	1.1"	124.8×99.84×74.88mm	
	1"	112.75×89.28×66.33mm	
	1/2"	55.09×43.96×32.82mm	
	1/3"	41.19×33.32×24.58mm	
Back Focal Length (In Air)		11.20mm	
Operation Mode	Focus	Manual	
	Iris	Manual	
Distortion	1.1"	-0.73%@y=8.8mm	
	1"	-0.7%@y=8.0mm	
	1/2"	-0.24%@y=4.0mm	
	1/3"	-0.14%@y=3.0mm	
Focus Range		0.1m~∞	
Filter Thread Diameter		M34×P0.5	
Weight		100.2g	
Working Temperature		-20°C~+60°C	

Working Distance	Magnification	FOV					
		1.1"		1"		2/3"	
		H(14.08mm)	V(10.56mm)	H(12.8mm)	V(9.6mm)	H(8.8mm)	V(6.6mm)
100mm	-0.14682X	99.722	74.791	90.656	67.992	62.326	46.745
150mm	-0.1007X	144.568	108.426	131.426	98.569	90.355	67.766
200mm	-0.07669X	189.406	142.054	172.187	129.140	118.379	88.784
250mm	-0.06194X	234.238	175.679	212.944	159.708	146.399	109.799
300mm	-0.05196X	279.083	209.312	253.712	190.284	174.427	130.820
350mm	-0.04475X	323.921	242.941	294.474	220.855	202.451	151.838
400mm	-0.0393X	368.760	276.570	335.237	251.428	230.475	172.856
450mm	-0.03503X	413.600	310.200	376.000	282.000	258.500	193.875
500mm	-0.03161X	458.436	343.827	416.760	312.570	286.523	214.892
550mm	-0.02879X	503.272	377.454	457.520	343.140	314.545	235.909
600mm	-0.0264X	548.113	411.085	498.285	373.714	342.571	256.928
750mm	-0.0212X	682.627	511.970	620.570	465.427	426.642	319.981
1000mm	-0.016X	906.819	680.114	824.381	618.286	566.762	425.071

