

POMEAS 1.1" FA Lens Series:

20MP: PMS-50UC20M-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-50UC20M-H		Product Parameter
Model		PMS-50UC20M-H
Sensor Size		1.1"(17.6mm)
Wavelength		420~1000nm
Focal Length		50mm
Interface		C-Mount
Iris		F2.8-F22
FOV(Diagonal, Horizontal, Vertical)	1.1"	19.96°×15.96°×11.96°
	1"	18.38°×14.70°×10.98°
	1/2"	9.34°×7.42°×5.5°
	1/3"	6.96°×5.53°×4.16°
Object Size(At the closest focusing distance)	1.1"	79.3×63.44×47.58mm
	1"	72.50×57.94×43.34mm
	1/2"	36.18×28.76×21.66mm
	1/3"	27.26×21.74×16.34mm
Back Focal Length (In Air)		21.3mm
Operation Mode	Focus	Manual
	Iris	Manual
Distortion	1.1"	-0.06%@y=8.8mm
	1"	-0.013%@y=8.0mm
	1/2"	0.010%@y=4.0mm
	1/3"	0.008%@y=3.0mm
Focus Range		0.25m~∞
Filter Thread Diameter		M37×P0.5
Weight		103.1g
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)
250mm	-0.2219X	63.596	47.697	57.814	43.361	39.747	29.811
300mm	-0.1813X	77.984	58.488	70.894	53.171	48.740	36.555
350mm	-0.1533X	92.372	69.279	83.974	62.981	57.732	43.299
400mm	-0.1328X	106.482	79.861	96.802	72.601	66.551	49.913
450mm	-0.1172X	120.535	90.402	109.578	82.183	75.335	56.501
500mm	-0.1048X	134.568	100.926	122.334	91.751	84.105	63.079
550mm	-0.0949X	148.509	111.382	135.008	101.256	92.818	69.614
600mm	-0.0866X	162.473	121.854	147.702	110.777	101.545	76.159
650mm	-0.0797X	176.496	132.372	160.451	120.338	110.310	82.733
700mm	-0.0736X	191.990	143.992	174.536	130.902	119.994	89.995
1000mm	-0.0512X	275.646	206.734	250.587	187.940	172.279	129.209

