

SA5020M-10MP

4/3" 50mm 10MP FA LENS

FA series Lens are optimized for machine vision light sources and sensors, with high resolution, excellent image uniformity, high transmittance and good stability. Featured with fixed focal length, manual aperture and compact size, it is suitable for machine vision industry applications.



Key Features

- High resolution and excellent image uniformity
- F2.0, Maximum image circle of 4/3"
- Low distortion to improve measurement accuracy
- High peripheral brightness ratio to ensure image brightness consistency

Order Model

SA5020M-10MP

Specification

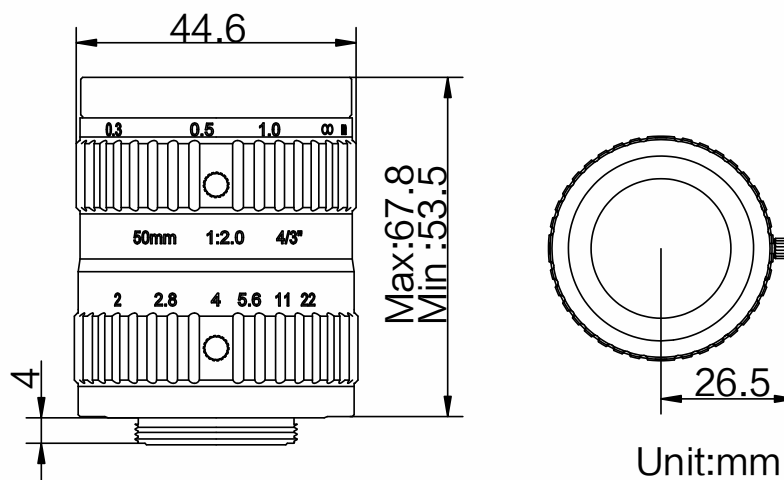
Model		SA5020M-10MP	
Parameter		Fixed focal length, Manual iris, 10MP, FA Lens	
Focal Length		50mm	C-Mount
F-Number		F2.0~F22	17.526mm
Image Size		Φ23mm(4/3")	M40.5×0.5
Optical Distortion		-0.14%	0.3m
Control	Iris	Manual	Dimension Φ44.6×53.5mm
	Focus	Manual	
Operating Temperature		-10~50℃	Weight 165g
Angle of View		4/3"	D (22.5mm) 25.9°
			H (18mm) 20.9°
			V (13.5mm) 15.7°



Field of View

Working Distance (mm)	Magnification	Extension (mm)	Field of View (mm)					
			4/3"		1.1"		2/3"	
			(18.13mm×13.6mm)		(14.14mm×10.35mm)		(8.45mm×7.07mm)	
			H	V	H	V	H	V
150	0.403	15	45.17	33.83	35.18	25.72	20.99	17.56
200	0.289	10	62.58	47.29	49.18	35.96	29.35	24.55
250	0.228	5	79.97	59.92	62.30	45.57	37.19	31.11
300	0.190		95.63	71.69	74.54	54.54	44.52	37.24
350	0.160		113.79	85.30	88.69	64.89	52.97	44.31
400	0.138		131.95	98.95	103.05	75.25	61.42	51.38
450	0.121		150.12	112.53	117.01	85.61	69.88	58.46
500	0.108		168.29	126.15	131.17	95.96	78.33	65.53
550	0.097		186.45	139.76	145.33	106.32	86.79	72.60
600	0.089		204.59	153.36	159.46	116.67	95.23	79.67
650	0.082		222.74	166.97	173.61	127.02	103.68	86.74
700	0.075		240.90	180.58	187.76	137.37	112.13	93.81
750	0.070		259.04	194.18	201.91	147.72	120.58	100.88
800	0.066		277.22	207.81	216.08	158.09	129.05	107.96
850	0.061		295.38	221.43	230.24	168.45	137.50	115.04
900	0.058		313.56	235.05	244.40	178.82	145.96	122.11
950	0.055		331.70	248.66	258.55	189.17	154.42	129.18
1000	0.052		349.86	262.27	272.70	199.53	162.87	136.26

Dimension



Unit:mm



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