



SFA0820-5M 1/1.8" 5.0Megapixel C Mount				Working distance	Optical Magnification	1/1.8" Field of View(mm)		
Focal Length		f=8mm		mm		H	V	
F/NO		F=2.0-C		900	0.009X	792	594	
Image Size		1/1.8"(7.2x5.32mm)	1/2.5"(5.76x4.32mm)	1/3"(4.8x3.6mm)	850	0.009X	749.3	562
Angle FOV	H	46.8°	38.2°	32.2°	800	0.010X	705.7	529.2
	V	36.0°	29.11°	24.5°	750	0.011X	662	496.5
	D	56.0°	47.7°	40.3°	700	0.011X	618.4	463.8
Object Dimension at WD.300mm	H	276.9mm	221.5mm	184.6mm	650	0.012X	574.2	430.7
	V	203.9mm	166.2mm	138.5mm	600	0.013X	531.2	398.3
	D	343.8mm	276.9mm	230.8mm	550	0.015X	487.5	365.6
Distortion (TV)		<0.1%		500	0.016X	443.9	332.9	
Focus distance(min)		0.1m		450	0.018X	400	294.4	
Flange back		17.526mm in air		400	0.020X	360	265	
Back focus		11.4mm in air		350	0.023X	313	230.4	
Filter screw size		M25.5xP0.5		300	0.026X	276.9	203.9	
Front/Rear Effective Dia		Front ϕ 20.1mm Rear ϕ 6mm		250	0.032X	225	165.6	
Mount		C-Mount		200	0.039X	184.6	135.9	
Temperature Range		-10~+50°C		150	0.052X	138.5	101.9	
Storage Temperature Range		-20~+60°C		100	0.076X	94.7	69.7	

				TOLERANCE : LINEARITY TOLERANCES ± 0.05 ANGULAR TOLERANCES ARE $\pm 30'$ DRAFT ANGLES AREA $\pm 0.5^\circ$ /SIDE		三角法		材料(环保)		单位	比例	
						---		mm		2:1		
F	$\triangle 8$	2	2022111601	2022.11.16	设计	名称	SFA0820-5M				页码	
	$\triangle 7$	2		2021.08.16	校对		规格书 Datasheet				1/1	
	$\triangle 6$	2		2018.01.23	审核		代号	SFA0820-5M				版本
	标记	处数	更改文件号	担当	变更日期			批准				