



1/1.8" F2.8 C Mount				Working distance	Optical Magnification	1/1.8" Field of View(mm)		
Focal Length		f=50mm		mm		H	V	
F/N0		F=2.8-22		1200	0.043X	164.2	112.6	
Image Size		1/1.8"(7.2x5.3mm)	1/2.5"(5.76x4.32mm)	1/3"(4.8x3.6mm)	1100	0.047X	150.0	112
Angle FOV	H	8.2	6.6	5.5	1000	0.052X	135.8	101.4
	V	6.1	4.9	4.1	950	0.055X	128.7	96.1
	D	10.2	8.2	6.9	900	0.059X	121.6	90.8
Object Dimension at WD.300mm	H	36.1	29.4	24.5	850	0.062X	114.5	85.5
	V	27.1	22.1	18.4	800	0.066X	107.4	80.2
	D	45	36.1	30.6	750	0.071X	100.3	74.9
Distortion (TV)		<0.05%		700	0.076X	93.2	69.6	
Focus distance(min)		300mm		650	0.083X	86.1	64.3	
Flange back		17.526mm in air		600	0.090X	78.9	59	
Back focus		17.4-27.1mm in air		550	0.099X	71.9	53.7	
Filter screw size		M28.5xP0.5		500	0.110X	64.8	48.4	
Front/Rear Effective Dia		Front $\phi$ 17.4mm Rear $\phi$ 8mm		450	0.124X	57.6	43.1	
Mount		C-Mount		400	0.141X	50.5	37.7	
Temperature Range		-10~+50°C		350	0.164X	43.4	32.4	
Storage Temperature Range		-20~+60°C		300	0.196X	36.1	27.1	

				TOLERANCE: LINEARITY TOLERANCES $\pm$ 0.05 ANGULAR TOLERANCES ARE $\pm$ 30" DRAFT ANGLES AREA $\pm$ 0.5°/SIDE		三角法		材料(环保)		单位	比例
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				设计	朱周德	2016-09-12	名称		BTCH-FA5001C-5M		
				校对			代号		页码		
				审核			代号		版本		
				批准			代号		V2		