



1/1.8" F2.8 C Mount

		Working distance			Optical Magnification	1/1.8" Field of View(mm)		
Focal Length	f=75mm	mm				H	V	
F/NO	F=2.8-22	6000			0.013X	553.8	407.7	
Image Size	1/1.8"(7.2x5.3mm)	1/2.5"(5.76x4.32mm)	1/3"(4.8x3.6mm)	5000	0.015X	480	353.3	
Angle FOV	H	5.4	4.4	3.66	4000	0.019X	378.9	278.9
	V	4.04	3.3	2.75	3000	0.026X	276.9	203.8
	D	5.84	5.4	4.6	2000	0.039X	184.6	135.6
Object Dimension at WD:500mm	H	40.4	32.34	26.96	1500	0.053X	135.8	100
	V	29.8	24.26	20.22	1000	0.081X	88.9	65.4
	D	50.2	40.4	33.7	950	0.086X	83.7	61.6
Distortion (TV)	<0.05%	900			0.091X	79.1	58.2	
Focus distance(min)	500mm	850			0.097X	74.2	54.6	
Flange back	17.526mm in air	800			0.104X	69.2	51	
Back focus	42.2-55.5mm in air	750			0.112X	64.3	47.3	
Filter screw size	M30.5xP0.5	700			0.121X	59.5	43.8	
Front/Rear Effective Dia	Front ϕ 24mm Rear ϕ 14.5mm	650			0.131X	55	40.5	
Mount	C-Mount	600			0.144X	50	36.5	
Temperature Range	-10~+50°C	550			0.159X	45.3	33.3	
Storage Temperature Range	-20~+60°C	500			0.178X	44.4	29.8	

				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
				设计	2016-09-05	名称	1/1.8" 500万 75mm		页码
	1		2019,01,23	校对		代号	CSL-7528H		1/1
	1		2017,09,11	审核					版本
标记	处数	更改文件号	担当	变更日期	批准				V2