



2/3" F2.8/50 C Mount				Working distance	Optical Magnification	2/3" Field of View(mm)		
Focal Length		f=50mm				H	V	
Max Diameter (Ratio)		F=1:2.8~16		mm				
Picture Size		2/3"(8.8x6.6mm)	1/2"(6.4x4.8mm)	1/3"(4.8x3.6mm)	5000	0.011x	800	600
Angle	H	10.4°	8.2°	6.2°	3000	0.018x	488.89	366.67
	V	8.4°	7.2°	5.4°	2000	0.027x	325.93	244.44
	D	12.3°	9.6°	7.2°	1000	0.054x	162.96	122.22
Distortion (TV)		-0.1%	-0.1%	-0.1%	800	0.068x	129.41	97.06
Object Dimension at M.O.D	H	46.8mm	34mm	25.5mm	750	0.073x	120.55	90.41
	V	35.1mm	25.5mm	19.1mm	700	0.078x	112.82	84.62
	D	58.5mm	42.5mm	31.9mm	650	0.084x	104.76	78.57
Focus distance(min)		0.3M		600	0.092x	95.65	71.74	
Flange back		17.526mm in air		550	0.1x	88	66	
Back focus		12.4MM		500	0.111x	79.28	59.46	
Filter screw size		M27xP0.5		450	0.123x	71.54	53.66	
Front/Rear Effective Dia		φ16.8/φ11.78		400	0.139x	63.31	47.48	
Mount		C-Mount		350	0.16x	55	41.25	
Temperature Range		-10~+50°C		300	0.188x	46.81	35.11	
Storage Temperature Range		-20~+60°C						

TOLERANCE:				三角法		材料(环保)		单位	比例
LINEARITY TOLERANCES ±0.05				材料(环保)		---		mm	15:1
ANGULAR TOLERANCES ARE±30'				三角法		---			
DRAFT ANGLES AREA±0.5°/SIDE				三角法		---			
△3	1	---	CHP	2021.07.21	设计	名称	BTCH-FA5010-10M	页码	1/1
△2	1	---	CHP	2021.07.16	校对				
△1	1	---	朱周德	2018.03.13	审核				
标记	处数	更改文件号	担当	变更日期	批准	代号		版本	V3