

产品规格书

Product Specification

型号：
(Model Name) : YT1.0-4

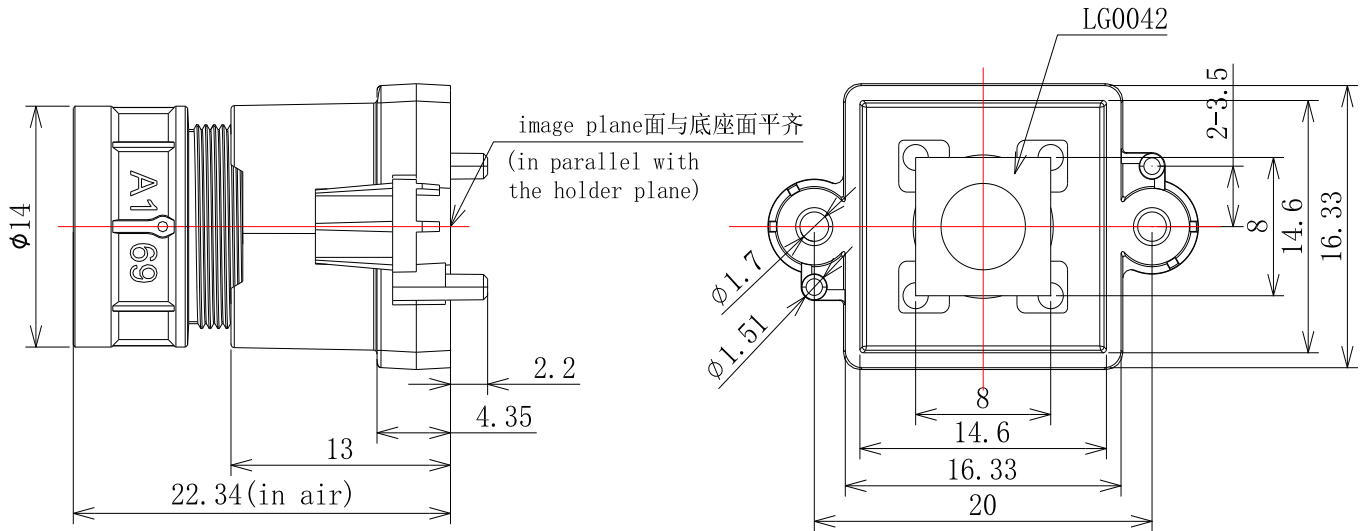
图片仅供参考
picture only for your reference

光学参数规格 (Optical Specifications)

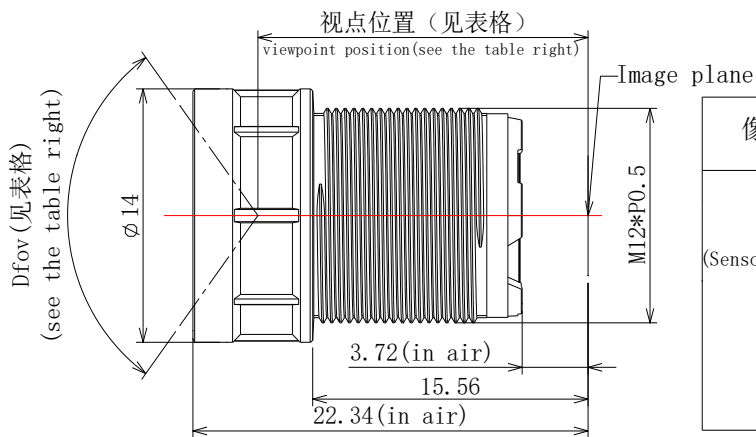
NO.	项目 (Items)	具体规格 (Specification)					
1	F No.	1.0±10%					
2	焦距(Focal-Length)	4.0 ±5%					
3	光学后焦 (Optical Back Focal Length)	3.82±0.2 (in air)					
4	机械后焦 (Mechanical Back Focal Length)	3.72±0.2 (in air)					
5	镜头总长(TTL)	22.34±0.2 (in air)					
6	像面大小 (Image circle)	Φ6.8 (MAX)					
7	镜片构成 (Lens structure)	2G5P (第一枚镜片为塑胶镜片时, 仅可使用酒精擦拭3次) (The first optical lens is plastic lens, could only be wiped with alcohol 3 times)					
8	接口 (Mount)	M12*P0.5					
9	镜头与底座螺纹配合扭力 (Clamp Force)	60-600gf-cm					
10	视场角(FOV)	sensor型号	H(水平)	V(垂直)	D(对角)		
		1/2.7"(16:9)	87.0°	46.2°	103.7°		
		1/2.8"(16:9)	83.5°	44.6°	99.1°		
		1/2.9"(16:9)	80.2°	43.0°	94.7°		
11	光学畸变 (Optical Distortion)	1/2.7"	-36.8%	1/2.8"	-33.8%	1/2.9"	-31.0%
12	相对亮度 (Relative Illumination)	1/2.7"	42%	1/2.8"	44%	1/2.9"	46%
13	最大主光线夹角 (CRA)	1/2.7"	10.5°	1/2.8"	10.1°	1/2.9"	9.7°
14	近摄距 (M.O.D)	2m					
15	解像标准 (Resolution)	分辨率 (Resolution): 1920*1080 (2MP)					
16	重量 (Weight)	/					
17	操作方法 (Operation)	聚焦 (Focus)	手动 (Manual)				
		光圈 (Iris)	固定 (Fixed)				
18	环保&安全 (HSF&Safety)	RoHS					

机构参数规格 (Mechanical Specifications)

外形尺寸图 (Dimension Figure)



视点图 (Viewpoint Figure)

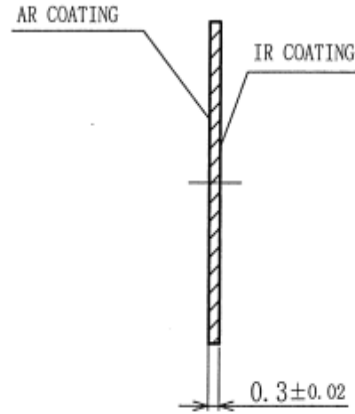
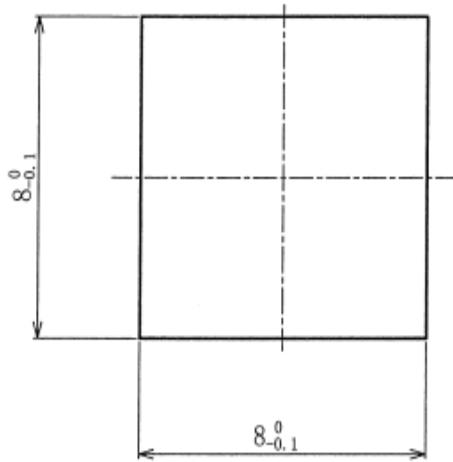


像面大小 (image size)		Dfov	视点位置 (mm) (viewpoint position)
(1/2.7 以下芯片) (Sensor format<1/2.7")	∅4.41	64.1°	15.6
	∅5.6	84.1°	16.9
	∅6.0	91.4°	17.3
	∅6.17	94.7°	17.5
	∅6.39	99.1°	17.7
	∅6.61	103.7°	18.0
	∅7.0	112.5°	18.4

未注公差 (Unmarked Tolerance): $\Phi \pm 0.1$, $L \pm 0.15$

本规格书未注单位 (Unit is not indicated in the document.): mm

IR-FILTER规格 (IR-FILTER Specifications)



镀膜要求:

	波长 (nm)	Transmission (%)
IR	350nm ~ 380nm	Tave < 3%
	390 ± 10nm	T = 50% 斜率 20% - 80% < 20nm
	410nm ~ 600nm	T > 85%, Tave > 93%
	645 ± 10nm	T = 50%, 斜率 20% - 80% < 20nm
	680nm	T < 5%
	700nm ~ 950nm	Tave < 1%, T < 1%
AR	430nm ~ 635nm	R < 0.8%

信赖性要求:

阶段	温度	相对湿度	保温时间
1	+85° C	85%	48小时
2	+100° C	0%	24小时
3	-20° C	0%	24小时
4	室温	室内状态	24小时

要求: 实验前后分光特性不允许出现变化, 实验后膜层不能出现剥落及裂纹。