

× ñ?ô | – Product Specification

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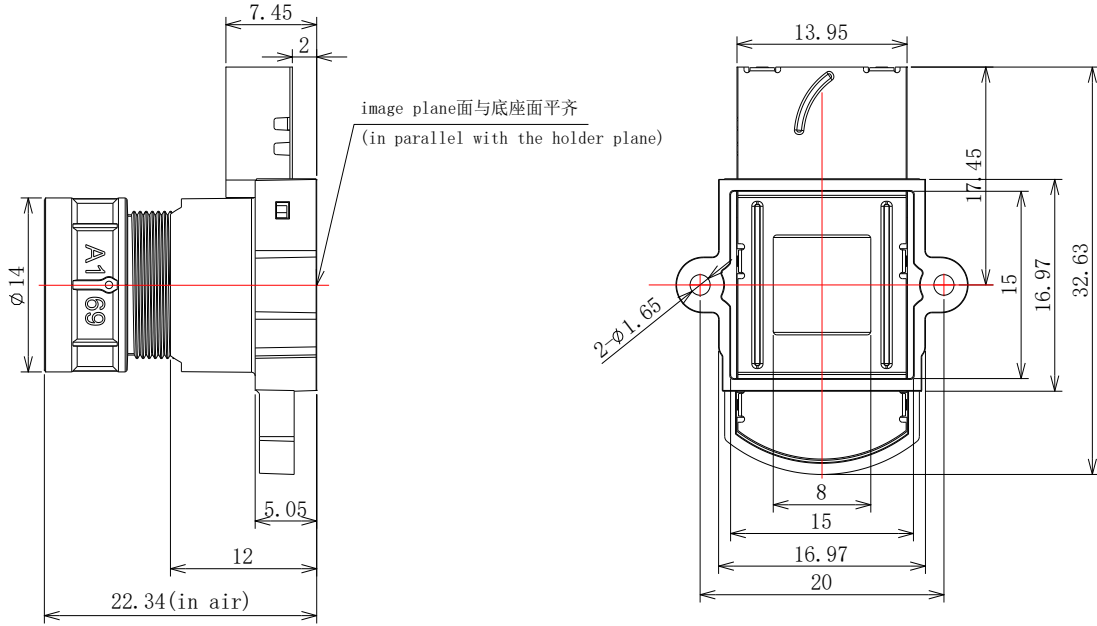
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picture only for your reference

光学参数规格 (Optical Specifications)

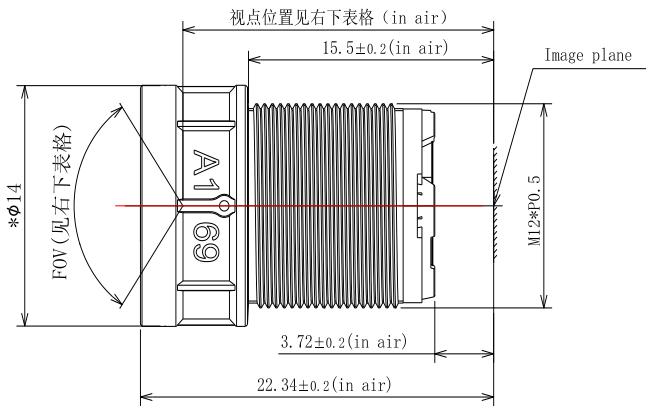
NO.	项目 (Items)	具体规格 (Specification)						
1	F No.	1.0±10%						
2	焦距(Focal-Length)	4.0 ±5%						
3	光学后焦 (Optical Back Focal Length)	3.82±0.2 (in air)						
4	机械后焦 (Mechanical Back Focal Length)	3.72±0.2 (in air)						
5	镜头总长(TTL)	22.34±0.2 (in air)						
6	像面大小 (Image circle)	Φ6.8 (MAX)						
7	镜片构成 (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mm (image Size)	Dfov	视点位置(mm) (viewpoint position)
	(1/2.7"以下sensor) (sensor format<1/2.7")	φ4.41	64.1°
φ5.6		84.1°	17
φ6.0		91.4°	17.4
φ6.17		94.7°	17.5
φ6.39		99.1°	17.7
φ6.61		103.7°	18
φ7		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-CUT参数规格 (IRCUT Specification)

NO	项目ITEM	条件Condition	单位Unit	标准Standard
1	产品外形尺寸(Product size)	装配外形(Assembly exterior)	mm	31.5*14*1.7
2	开口口径(Opening Aperture)	-	mm	7.1*7.1
3	线长(Wire Length)	-	mm	70±5
4	线圈阻抗(Coil Resistance)	20℃	Ω	22±5
5	通电电压(Electric voltage)	参照环境参数规格Refer to the environmental parameter specifications	V	3.5~6.0
6	通电时间(Electric time)	参照环境参数规格Refer to the environmental parameter specifications	ms	100~200
7	推荐驱动条件(Recommend Driving Condition)	参照环境参数规格Refer to the environmental parameter specifications	-	端口电压Port voltage: 3.5V驱动秒时Driving time: 100ms

备注：产品通正反向电压，通断电时间为：通电100ms~200ms，断电30s~60s，不通电时滤光片保持不动。

Note: Positive and negative voltage. Time: power on 100ms ~200ms, power off 30s~60s.

Filter does not move when power is off

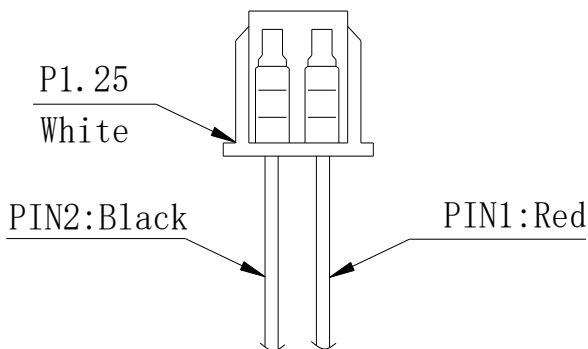
滤光片规格 (IR Filter Specifications)

红外波光片 (IR Filter)	尺寸 (Size)	8.2mm*7.6mm*0.26mm
		420nm±10nm T=50% 斜率20%-80%<20nm
		440nm~600nm T>85%, Tave>92%
		645nm±10nm T=50%, 斜率80%-20%<20nm
		750nm~950nm Tave<1% T<1%
白片波光片 (Dummy Glass)	尺寸 (Size)	8.2mm*7.6mm*0.21mm
	镀膜规格 (Coating Spec)	430nm~950nm T>90% Tave>95%

切换模式 (Switch type)

区分 Distinction	黑线Black line	红线Red line	状态State
极性Polarity	(+)	(-)	白玻璃片工作 (夜晚) Dummy glass work
	(-)	(+)	红外滤光片工作 (白天) IR Filters work

端子定义terminal:



接线示意图wiring diagram:

