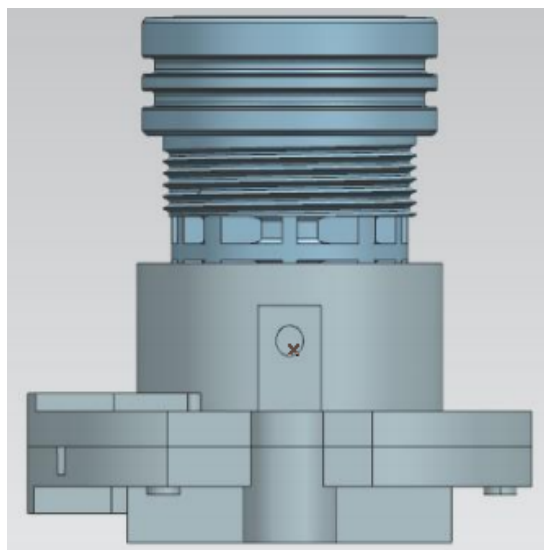


产品规格书

Product Specification

型号：
(Model Name) : YT2.4-4I



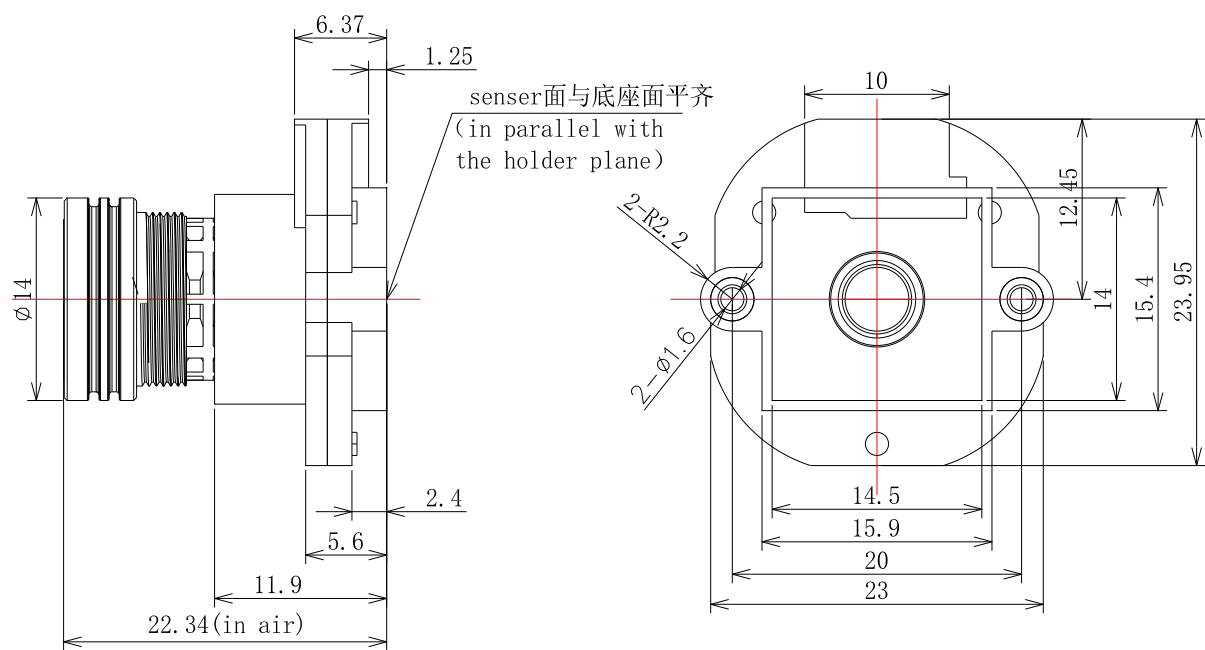
图片仅供参考
picture only for your reference

光学参数规格 (Optical Specifications)

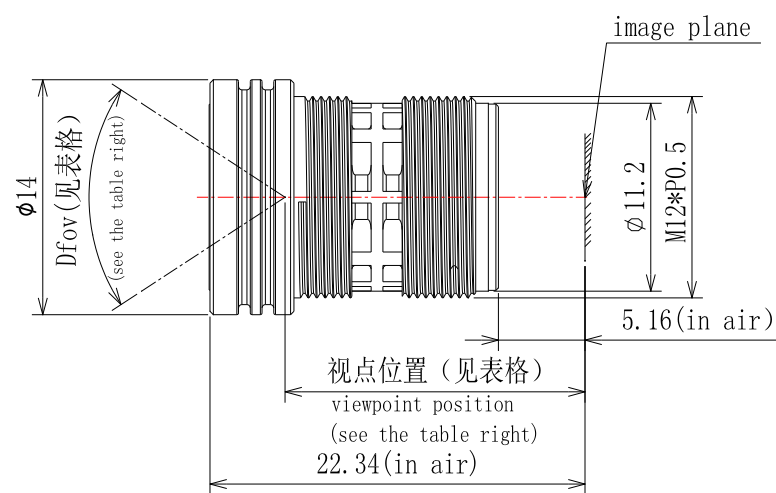
NO.	项目 (Items)		具体规格 (Specification)					
1	F No.		2.4±10%					
2	焦距(Focal-Length)		3.83±5%					
3	光学后焦 (Optical Back Focal Length)		5.62±0.1 (in air)					
4	机械后焦 (Mechanical Back Focal Length)		5.16±0.2 (in air)					
5	镜头总长(TTL)		22.34±0.2 (in air)					
6	像面大小 (Image circle)		Φ6.9 (MAX)					
7	镜片构成 (Lens structure)		1 G3P (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"	92.17°		48.32°		114.09	
		1/2.8"	88.11°		46.68°		107.52°	
		1/2.9"	84.25°		45.05°		101.71°	
11	光学畸变 (Optical Distortion)		1/2.7"	-45.0%	1/2.8"	-38.80%	1/2.9"	-35.1%
12	相对亮度 (Relative Illumination)		1/2.7"	43%	1/2.8"	45.80%	1/2.9"	48.50%
13	最大主光线夹角 (CRA)		1/2.7"	15.6°	1/2.8"	15.04°	1/2.9"	14.5°
14	近摄距 (M.O.D)		0.6m					
15	解像标准 (Resolution)		分辨率 (Resolution): 1920×1080 (2MP)					
			中心: 1000线条清晰; 0.7Y: 700线条清晰; 周边: 300线条清晰 center:1000 line clear;0.7Y:700 line clear;corner: 300 line clear;					
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")	$\Phi 4.41$	66.86°	17.23
	$\Phi 5.60$	88.77°	18.16
	$\Phi 6.00$	97.59°	18.53
	$\Phi 6.17$	101.71°	18.7
	$\Phi 6.39$	107.52°	18.95
	$\Phi 6.61$	114.09°	19.23
	$\Phi 7.00$	129.59°	19.92

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 Specifications）

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	24*24.4*11.9
2	开口口径(Openning Aperture)	-	mm	Φ6.4
3	线长(Wire Length)	-	mm	67±5
4	线圈阻抗(Coil Resistance)	20℃	Ω	45±8
5	通电电压(Electric voltage)	参照环境参数规格Refer to the environmental parameter specifications	V	3.5~12.0
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

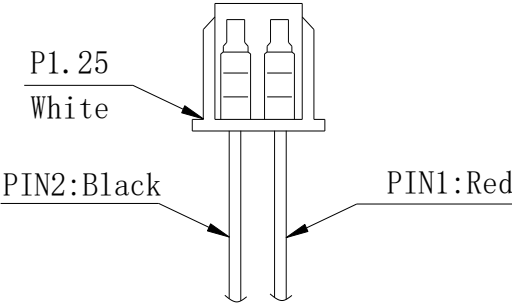
滤光片规格(IR Filter Specifications)

红外波光片 (IR Filter)	尺寸 (Size)	6.8mm*6.4mm*0.21mm
	镀膜规格 (Coating Spec)	350nm~380nm Tave<3%
		420nm±10nm T=50% 斜率20%~80%<20nm
		440nm~600nm T>85% Tave>92%
		645nm±10nm T=50% 斜率80%~20%<20nm
		700nm~950nm Tave<1% T<1%
白片波光片 (Dummy Glass)	尺寸 (Size)	6.8mm*6.4mm*0.21mm
	镀膜规格 (Coating Spec)	420nm~950nm T>85% Tave>92%

切换模式(Switch type)

区分 Distinction	红线Red line	黑线Black 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:

