



深圳市创威时代光电有限公司
Shenzhen ChuangWei Seculens CO., Ltd.

产品规格书

Product Specification

(Product Model) : SECULENS 2817

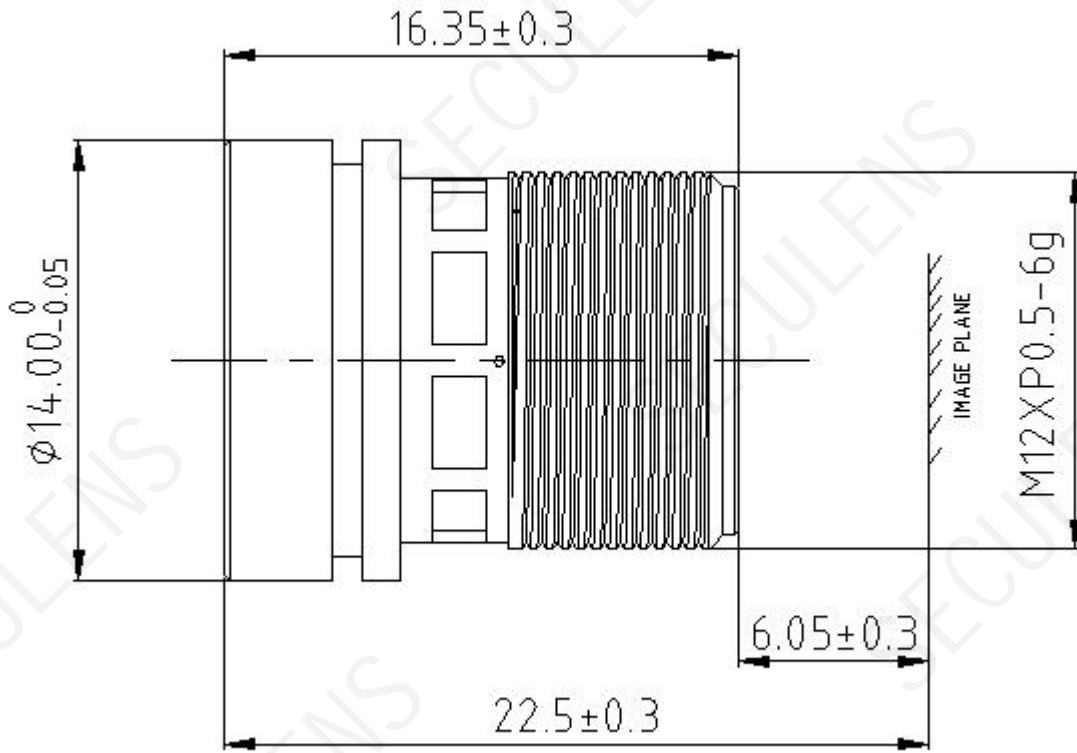
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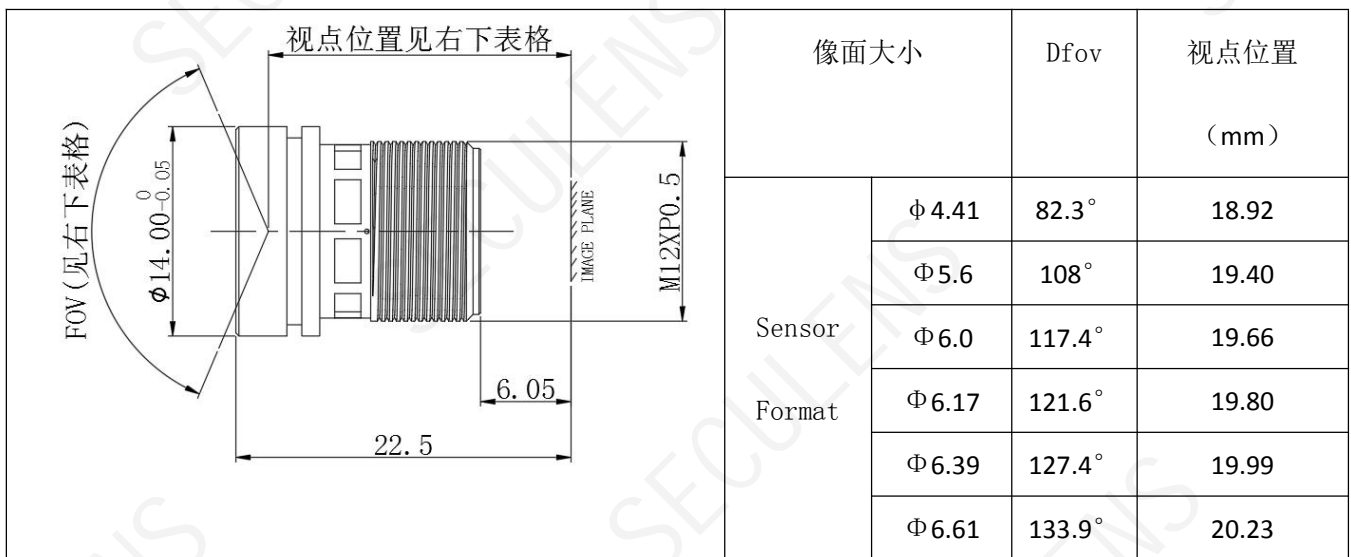
3、技术规格及性能参数 (Technical specifications and performance parameters)

镜头技术规格书 (The Specifications of Len)				
型号 (Name)	90482	规格 (Key Parameter)	f2.8mm 1/2.7" F2.0	90482
No.	名称 (Item Name)	参数 (Parameter)		
1	焦距 (Focal Length)	2.8±5%		
2	光圈范围 (Aperture)	F2.0±5%		
3	机械后焦距 (MBF)	6.05±0.3mm		
4	系统总长 (TTL)	22.5±0.3mm		
5	像面规格 (Image Size)	1/2.7"		
6	分辨率 (Resolution)	2 Mega Pixel		
7	镜头组成 (Lens Construction)	1G4P(第一枚镜片为塑胶镜片)		
8	接口 (Mount)	M12*P0.5		
9	工作温度 (Operating Temperature)	-20° — +80° C		
10	视场角 (F.O.V)	1/2.7"	1/2.8"	1/2.9"
	像高 (D*H*V)	134° *112° *60.8°	127° *107° *58.8°	121° *103° *56.8°
11	相对照度 (Relative Illumination)	42.66%	46.6%	52.44%
12	主光线角度 (CRA)	17.37	17.37	16.95
13	畸变率 (%) (Distortion)	-53.88%	-48.25%	-43.48%
14	操作方法 (Operation)	焦点 (Focal)	焦距 (F.L)	光圈 (Iris)
		手动 (Manual)	固定 (Fixed)	固定 (Fixed)

4、外形尺寸图 (Dimension Figure)



5、视点图 (Viewpoint Figure)













6、 检验标准 (Test Standard)

NO	检测项目 (Test Item)	检测内容 (Test Content)	
1	MTF 检测 (Modulation Transfer Function)	检测范围	像高 $\phi 5.5$
		中心	80 线对: 子午 0.8, 弧矢 0.85
		边缘	120 线对: 子午 0.25, 弧矢 0.3
		像质要求	检测范围内数值达到要求, 极差小于 0.15
2	外观 (Appearance)	<p>2.1 镜头内污 A: 规格 60-40 伤痕: 宽度$<60\mu\text{m}$, 长度和$<D/2$, $\leq 15\mu\text{m}$ 不计; 脏污: 单点直径$<400\mu\text{m}$, $200\sim 400\mu\text{m}$ 点≤ 3 个, $\leq 200\mu\text{m}$ 不计;</p> <p>2.2 其他外观 外表面颜色均匀, 无明显缺陷、脏污、异物伸出、无明显划伤、破口、变形等, 胶水不得溢入有效通光内。</p> <p>2.1 lens contamination A: Size 60-40 Scar: width $< 60\mu\text{m}$, length $< D / 2$, $\leq 15\mu\text{m}$, excluding: Dirt: single point diameter $< 400\mu\text{m}$, $200\sim 400\mu\text{m} \leq 3$ points, $\leq 200\mu\text{m}$, not included:</p> <p>2.2 other appearance The color of the outer surface shall be uniform, without obvious defects, dirt, foreign matter protruding, obvious scratch, break, deformation, etc., and the glue shall not overflow into the effective light.</p>	
3	扭力测试 (Torsion test)	<p style="text-align: center;">正反 1 圈的扭力在 $60\sim 600\text{gf}\cdot\text{cm}$</p> <p>The torque on the front and back is in the 60s and 600gf.CM</p>	

7、 信赖性测试 (Reliability Test)

NO	检测项目 (Test Item)	检测内容 (Test Content)
1	温度循环试验 (Temperature Cycling Test)	<p>镜头放置在-20℃、2小时，80℃、2小时的条件下，两次循环后，返回常温处放置6小时以上进行检查无不良现象。</p> <p>The lens is placed at - 20 °C, 2 hours, 80 °C and 2 hours. After two cycles, the lens is returned to the normal temperature and placed for more than 6 hours for inspection. There is no bad phenomenon.</p>
2	高温高湿试验 (Damp Heat Test)	<p>试验温度 60±3℃，湿度 85%RH 的条件下，放置 48 小时。试验后，将镜头放置于常温下 24 小时后检验，各项指标均合格。</p> <p>The test temperature was 60 ± 3 °C, and the humidity was 85% RH for 48 hours. After the test, the lens was placed at room temperature for 24 hours, and all indicators were qualified.</p>
3	跌落试验 (Drop Test)	<p>镜头在 1 米高 (±0.1 米) 处，自由跌落到混泥土板上。试验后，各项指标均合格。</p> <p>The lens is 1 m (± 0.1 M) high and falls freely onto the concrete slab. After the test, all indexes are qualified.</p>
4	振动试验 (Vibration Test)	<p>镜头在振幅 1.5mm、频率为 10-55Hz 的正弦波参数下，在三个互相垂直的轴线上依次振动 30 分钟后，镜头无松动并满足所有规格要求。</p> <p>Under the sine wave parameters with amplitude of 1.5mm and frequency of 10-55hz, the lens has no looseness and meets all specification requirements after successively vibrating on three mutually perpendicular axes for 30 minutes.</p>

8、包装规格 (Packing Specification)

			
<p>1. 盖上保护盖</p>	<p>2. 将装配合格产品按照顺序整齐放在吸塑盒内</p>	<p>3. 每两盒用一个真空袋包装</p>	
			
<p>4. 将真空袋抽真空密封</p>	<p>5. 真空袋包装完成</p>	<p>6. 纸箱封底，底部及周围安放泡棉</p>	
			
<p>7. 将包装好的产品安放到垫有泡棉的纸箱中，安放平整</p>	<p>8. 每放一层产品垫一层泡棉</p>	<p>9. 直至产品放满，最上层垫一层泡棉</p>	<p>10. 封箱</p>