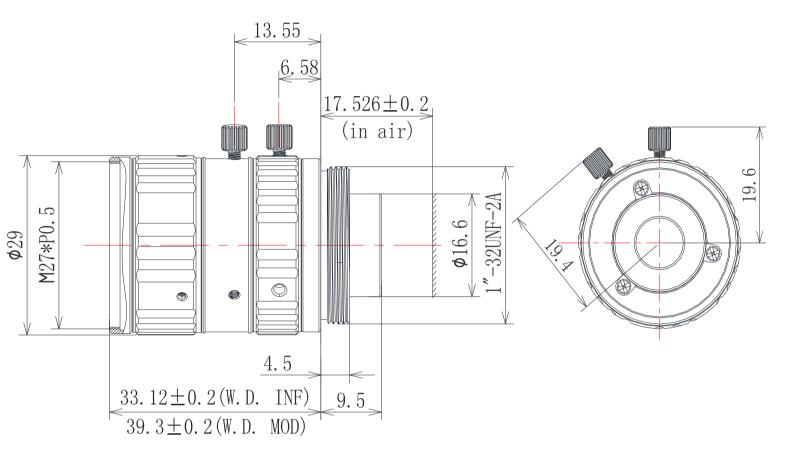
主要参数 (Key Parameters)

光学参数规格(Optical Specifications)

NO.	项目(Items)	具体规格(Specification)		cation)	备注(Note)
1	FN	10.	F2.8-F16±10%)%	
2	焦距(Focal-Length)		17.1mm±5%			At MOD.
			1	5.6mm±5%	/0	At infinity.
0	光学后焦		9.97±0.2 (in air)			At MOD, In air
3	(Optical Back Focal Length)		9.97±0.2 (in air)			At infinity, In air
1	法兰后焦 (Flange Back Focal Length)		17.526±0.2 (in air)			At MOD, In air.
4			17.526±0.2 (in air)			At infinity, In air.
5	镜头总长(TTL)		56.83±0.2 (in air)			At MOD, In air.
J			50.65±0.2 (in air)			At infinity,In air.
6	像面大小 (Image circle)		Ф9.4 (МАХ)		()	1/1.8"
7	镜片构成(Lens structure)		5groups, 7elements			
8	接口(/	Mount)		C接口		
		sensor型号	H(水平)	V(垂直)	D(对角)	sensor尺寸
	视场角(FOV)	1/3"	16.9°	12.7°	21.1°	At 0.4m.For 1/3" (D: 6mm, H:4.8mm, V: 3.6mm)Sensor.
9		1/2"	22.3°	16.9°	28.0°	At 0.4m.For 1/2" (D: 8mm, H:6.4mm, V: 4.8mm)Sensor.
		1/1.8"	25. 7°	17.5°	31°	At 0.4m.For 1/1.8" (D: 8.96mm, H:7.37mm, V: 4.92mm)Sensor.
10	光学畸变(Optical Distortion)		-0.51%			At MOD.
10			-0.08%			At 0.4m
11	TV畸变 (TV Distortion)		-0.06%			At MOD.
11			0.04%			At 0.4m.
12	相对亮度(Relative Illumination)		88%			At the edge of the max image circle.
13	最大主光线夹角(CRA)		4.6°			At the edge of the max image circle.
14	近摄距 (M.O.D)		0.1m			
15	前螺纹规格 (Filter Thread)		M27*P0.5			
16	重量 (Weight)		46. 72g			
17	环保&安全 (HSF&Safety)		RoHS			

机构参数规格(Mechanical Specifications)



项目	物距	角度
光圈调节环角度	F2. 8-F16	43. 4°
物调环角度	MOD-INF	212°

未注公差(Tolerance): $\Phi \pm 0.1$, L ± 0.15 未注单位(Unit): mm

光学检测标准(Optical Performance Testing Standard)

No.	检测项目 (Items)	描述(Description)
1	解像力(Resolution)	1.1: TV实拍解像条件(Condition) A:Chart: 6006专用chart B:拍摄距离(Distance): W.D.=400mm 1.2: 拍摄方法(Method) A:旋转镜头调焦得到最清晰的像面中心后回调至像面均匀 1.3: 拍摄标准(Criteria) W.D.=400mm 拍摄(resolution test)中心≥1800本 ,0.7Y≥1800本,边缘≥ 1000本 (Center≥ 1800lines,0.7Y≥1800lines)
2	外观标准 (Appearance Standards)	2.1镜头内污(LENS DUST) A:规格 60-40 伤痕:宽度 <60um,长度和 <d 2.1="" 2.2="" 2.2其他外观(other="" 2、≤15um="" 2、≤15um不计;="" 60-40="" <400um,200~400um="" <400um,200~400um点="" a:="" aperture.<="" appearance="" appearance)="" bodies="" color;="" contraction;="" diameter="" dot="" dust="" effective="" extended,="" flaws,="" foreign="" glue="" ignored.="" ignored;="" into="" length<d="" lens="" no="" obvious="" or="" other="" outside="" pcs,≤200um="" scratch="" scratch:="" single="" smudge:="" specification="" spill="" stains,="" surface="" td="" the="" total="" uniform="" visible="" width<60um,="" ≤3="" ≤3个,≤200um不计。="" 外表面颜色均匀,无明显缺陷、污渍、异物伸出、明显划伤和收缩;胶水不得溢入有效通光内。="" 脏污:单点直径=""></d>

环境参数规格 (Environment Specifications)

No.	环境描述 (Items)	条件(Description)
1	存放环境(Storage condition)	-40°C~+85°C; 10-90%RH (No condensing)
2	工作环境(Operation condition)	-20℃~+60℃; 10-90%RH (No condensing)

信赖性要求 (Reliability Requirement)

No.	项目(ITEM)	测试条件(CONDITION)
1	高温存储试验 STORAGE TEST AT HIGH TEMPERATURE	镜头在85℃温度中存放48小时,之后再存放在常温常湿环境中恢复6小时候,所有规格满足规定要求All specifications meet the requirements after lens is exposed to 85℃ for 48 hours and then to normal temperature/humidity for 6 hours
2	低温存储试验 STORAGE TEST AT LOW TEMPERATURE	镜头在-40℃温度中存放48小时,之后再存放在常温常环境中恢复6小時後,所有规格满足规定要求All specifications meet the requirements after lens is exposed to -40℃ for 48 hours and then to normal temperature/humidity for 6 hours
3	高温高湿试验 HIGH TEMPERATURE/HIGH HUMIDITY CHARACTERISTIC	镜头在温度60℃/湿度95%条件下存放48小时,之后再存放在常温常湿环境中恢复6小时后,所有规格满足规定要求All specifications meet the requirements after lens is exposed to +60℃/95%RH for 48 hours and then to normal temperature/humidity for 6 hours
4	TEMPERATURE CYCLE TEST	镜头在-40℃条件下保持30分钟,然后升温至+70℃,稳定后保持30分钟作为一个周期,共10个循环。之后再存放在常温常湿环境中恢复6个小时候,所有规格满足规定要求Lens is exposed to -40℃ for 30min, then heated to +70° C and kept for 30 minutes as one cycle, 10 cycle shall be performed and then to normal temperature/humidity for 6 hours. All specifications meet the specified requirements after that

信赖性要求 (Reliability Requirement)

No.	项目(ITEM)	测试条件(CONDITION)
5	振动试验 VIBRATION TEST	镜头在振幅为 3.5mm、频率为 10-55-10 Hz 的正弦波参数下,在三个互相垂直的轴线上依次振动3个循环,每个轴向5分钟后,镜头无松动并满足所有规格要求 All specifications meet the requirements after lens is subjected to the sine wave of 3.5mm amplitude and 10-55-10 Hz, three circulations and 5 min for each directions. 镜头在功率谱密度为0.01G²/HZ、频率为50-2000HZ的随机振动状态下,在3个相互垂直的轴线上依次振动1.5h后,镜头无松动并满足所有规格要求 All specifications meet the requirements after lens is subjected to the stochastic wave of 0.01G²/HZ PSD and 50-2000HZ, three circulations and 90 min for each directions.
6	跌落试验 SHOCK TEST	按包装仕样进行包装后镜头,在距木质地板1.0米处,按1角3棱6面自由跌落各5次,镜头无松动并满足所有规格要求Packing lens according to instructions, lens dropped onto the wooden plate from a height of 1.0 meter, onto one corner, three edges and six suifaces, 5 times. All specifications meet the requirements after that.