

镜头参数 (Parameter of Lens)

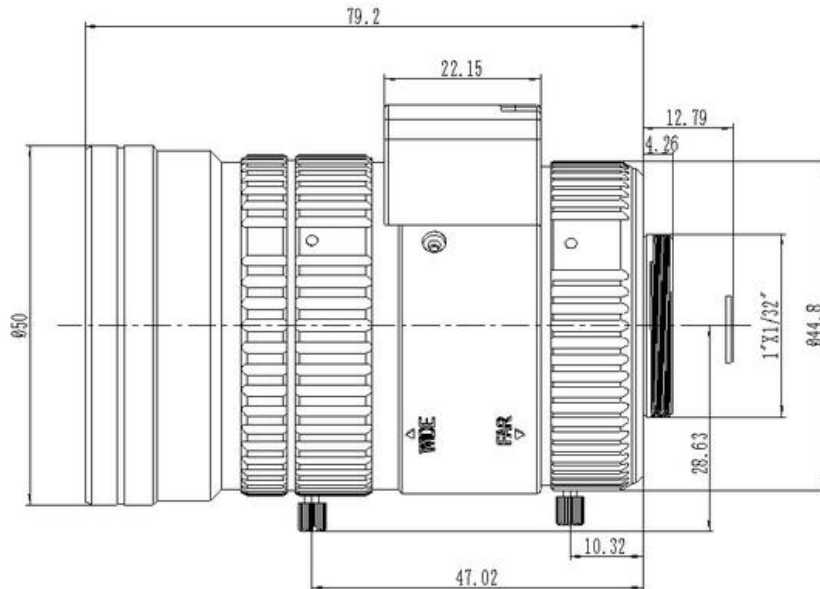
型号 (Model) :

CS-D0825IR (8MP)



分辨率 (Pixel)	8 MegaPixel						
像面尺寸 (Image format)	1/1.7"						
焦距 (Focal length)	8~25mm						
通光孔径 (Aperture)	F1.4						
接口 (Mount)	CS						
视场角 (Field Angle) D×H×V(°)	°	1/1.7(4:3)		1/1.8(3:2)		1/2	
		Wide	Tele	Wide	Tele	Wide	Tele
	D	63.8	22.3	61.1	21.2	55	18.9
	H	51.9	17.7	50.9	17.3	44.3	15.0
V	39.1	13.1	34.2	11.4	33.4	11.1	
畸变 (Optical Distortion)	-8.6~-4.9% (1/1.7")						
最近物距 (M. O. D.)	1.5m						
外形尺寸 (Dimension)	Φ50×83.5mm						
重量 (Weight)	268g						
镀膜波段 (Coating Range)	400-900nm						
法兰后焦距 (Flange BFL)	12.5mm						
光学后焦距 (BFL)	7.74~9.88mm (In air)						
机械后焦距 (MBF)	7.24~9.38mm (In air)						
日夜共焦 (IR Correction)	Yes						
操作方法 (Operation)	光圈 (Iris)		自动光圈 (DC)				
	聚焦 (Focus)		手动聚焦 (Manual)				
	变焦 (Zoom)		手动变焦 (Manual)				
工作温度 (Operating temperature)	-20℃~+70℃						

尺寸 (Size)



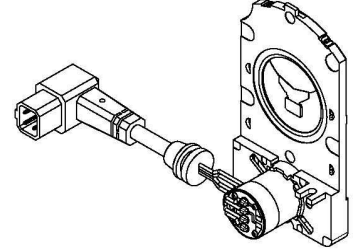
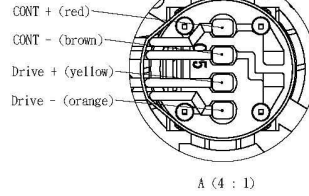
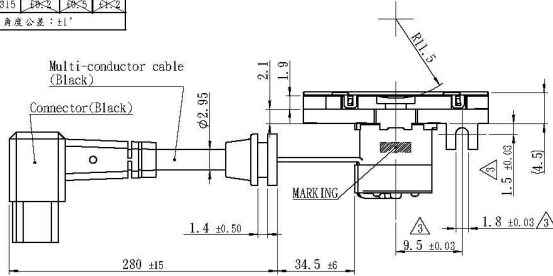
尺寸公差 Size tolerance (mm) :	0-10±0.05	10-30±0.10	30-120±0.20
角度公差 Angle tolerance	±2°		

自动光圈 (Auto Iris)

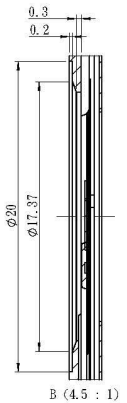
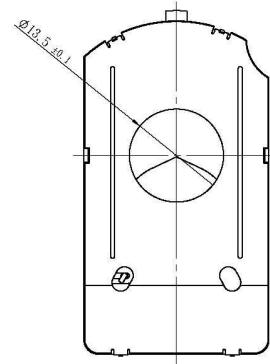
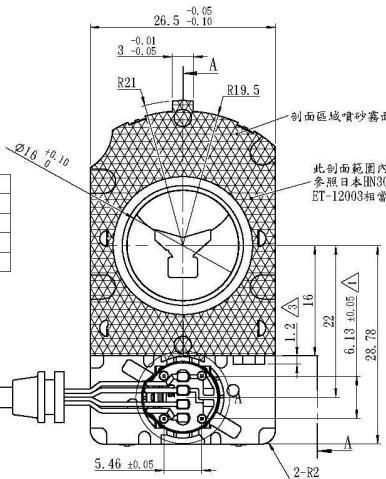
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一般公差	1級	2級	3級
L ≤ 6	±0.05	±0.1	±0.2
6 < L ≤ 30	±0.1	±0.2	±0.3
30 < L ≤ 120	±0.15	±0.3	±0.5
120 < L ≤ 315	±0.2	±0.4	±0.6
角度公差: ±1'			



TERMINAL WIRE COLOR	COIL
4 ORANGE	DRIVE (-)
3 YELLOW	DRIVE (+)
2 BROWN	CONT (-)
1 RED	CONT (+)



變更固定座螺絲孔固定方式 (ECN:20160)	
製品規格書變更: 冷熱衝擊實驗條件改為動態測試 (ECN:19911)	
磁閥腳針位置變更 (磁閥線: 田記-1504210006)	
序號	更改內容

本產品400-001所規定之所有物質
TRI-FDM-06-01



IRIS

料號	11PSI1600004	單位:mm
model number	SA23191	3
UNIT : MILLIMETERS		

Max. Image Circle		Φ13.5mm	Excite		200 Ω ±10%, 20°C
Iris Wire	红 (red)	cont+	DC Resistance	Brake	500 Ω ±10%, 20°C
	棕 (brown)	cont-		Operating Voltage	C→0
	黄 (yellow)	Drive+	0→C		0.5V Min
	橙 (orange)	Drive-	Operating Parameters	Operating temperature	-10°C ~ +60°C
Dimension	See dimension drawing			Relative Humidity	90%

检测标准 (Test Standard)			
型号 (Model):		CS-D0825IR (8MP)	
检测项目 Test Items		检测内容 Test Content	
1	分辨率 Resolution	Test Range	Φ8 (diameter 1.5m)
		Center ≥	200 lp/mm
		Φ8 ≥	125 lp/mm
		Image standard	The image should be clear.
环境 Environment		"25±2℃ Darkroom ≤1 lux, projection distance Wide>1.5m, Tele>5m"	
2	外观 Appearance	Apperance (Inner barrel)	60-40: The maximum scratch width is allowed to be 0.06mm, the length allows the 1/4 edge position of the lens; the visually invisible fineness is negligible; the maximum diameter of the pip is allowed to be 0.2mm, and only one lens surface is allowed; the pip is smaller than 0.002mm~0.005m can be neglected; the film color is uniform; there is no obvious color spot on the surface.
		Apperance (Outer barrel)	The lens barrel has no obvious color difference, scratch, break, deformation; the glue is not allowed to overflow into the effective light path; no word drop, clear writing, the same font size, even spacing, etc.
		Rotation	Feel the rotation back and forth smoothly without jumping, stuck and abnormal sounds, etc
3	光驱 Auto Iris	Auto Iris Appearance	Optical drive line rubber band is not exposed; appearance of optical drive terminal No damage, no change, the length of the interface pointer is the same; The following phenomena are not allowed: virtual welding of fillet, false welding, even Interfaces fall off, structural parts are loose, deformed, etc.
		CD-ROM drive	The switch speed of the optical drive is slow and uniform, Must not be too fast, too slow or inactive;
		Optical drive sensitivity	Use the camera to confirm the sensitivity of the optical drive, Responsive and without delay;
环境 Environment		25±2℃ 700~1000 lux	



环境可靠性测试 (Reliability and Environmental Testing)

型号 (Model) :

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检测项目 Test Items

检测内容 Test Content

1

温度循环试验
Temperature Cycling Test

镜头在试验温度 $(-30\pm 3)^{\circ}\text{C}$ 放置1.5小时, $(70\pm 3)^{\circ}\text{C}$ 放置3小时的条件下, 放置2个循环。试验后, 将镜头放置于室温24小时后进行检验, 各指标均合格。

Lens is placed on two cycles in the test temperature $(-30\pm 3)^{\circ}\text{C}$ for 1.5 hours and in $(70\pm 3)^{\circ}\text{C}$ for 3 hours separately. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.

2

高温高湿试验
Damp heat test

镜头在试验温度 $(70\pm 3)^{\circ}\text{C}$, 湿度85%RH的条件下, 放置48小时。试验后, 将镜头放置于室温24小时后进行检验, 各指标均合格。

Lens is placed in the test temperature $(70\pm 3)^{\circ}\text{C}$, humidity 85% RH for 48 hours. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.

3

跌落试验
Drop Test

镜头在1米高 $(\pm 0.1\text{米})$ 处, 自由跌落到混凝土地板上。试验后, 镜头各指标均合格。

Lens drops from the height of $(1\pm 0.1\text{m})$ to the concrete ground. After the testing, the indicators are qualified.

4

振动试验
Vibration Test

镜头正弦波振动2小时, 在振幅为1mm, 频率为50Hz的条件下, 试验后, 镜头各指标均合格。

Lens vibrates 2h in sinusoidal wave under 1 mm of amplitude and 50Hz of frequency. After the testing, the indicators are qualified.

包装规格 (Packing Specification)

型号 (Model) :

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1. Stick label on the surface of lens after capped.
2. Put the lens into the carton box.
3. The unit will be packaged in a corrugated box.
4. Seal the corrugated box with tape and mark the surface.

