



EP22PWDLDIRV403 USB2.0 RGB/IR Lens Double Camera



1.Product feature(产品特性)	2
2. SPECIFICATIONS(规格书)	3
3. Product (产品尺寸)	4-5
4. Filter wavelength(滤光片光谱)	5-6
5.LENS Specification(镜头规格书)	6
6. Cover Proportion (外壳成份)	7
7. Modes of packing (包装方式)	7



USB2.0 RGB/IR Lens Double Camera

1.Product feature(产品特性)

- 1/2.7"200 万+200 万高清图像传感器
- RGB:105DB 宽动态, IR: 80DB 适合复杂的光线环境
- 70° (对角) 超广角无畸变高清 300W 像素高清镜头
- 60CM 到无限远清晰成像
- 1000TVL 清晰度
- 0.01Lux (F=1.2) 超低照效果
- 1.8W 功耗
- -20°C~+70°C宽温度范围稳定工作
- 专业 USB-IF WHQL ROHS CE (4KV/8KV) 认证 (可通过)
- USB2.0 高速传输
- 设备名称 厂家 PID&VID 等描述信息多样化定制
- UVC 架构, 兼容 Windows XP&7&8.1&LINUX&MAC 多种系统
- 长达 1-5 年的质保期&13 万小时无故障寿命
- 标准 AWM 2725 28AWG/IP 24AWG/2C USB2.0 线
- 平台最低配置: CPU 1.7GHZ 512MB 内存 40GB 硬盘 XP SP2 系统
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2. SPECIFICATIONS (规格书)

Signal	2M(IR) B/W ➡	2M(RGB) WDR ➡	REMARKS
Scanning System (扫描方式)	Progressive scan		
Scanning Frequency(H) (扫描频率)	25HZ	25HZ	
Scanning Frequency(V)	N:59.9HZ/P:50HZ	N:59.9HZ/P:50HZ	
Image Sensor (图像感光片)	1/2.7" CMOS	1/2.7" CMOS	PrimeSensor
Effective Pixels (有效像素)	1920*1080	1920*1080	
Pixel size (像素点大小)	3.0umX3.0um	3.0umX3.0um	
Image sensor Data output (数据输出类型)	Raw Data 12bits		
Video output (输出格式)	MPJG / YUY2		
Maximum Frame Rates (分辨率和帧率) ➡	1920x1080 at 30fps /1280x1024 at 30fps /1280x768 at 30fps /1024x720 at 30fps /960x540 at 30fps /800x600 at 30fps /640x480 at 30fps/352*288 at 30fps/320*240 at 30fps/160*120 at 30fps	1920x1080 at 30fps /1280x1024 at 30fps /1280x768 at 30fps /1024x720 at 30fps /960x540 at 30fps /800x600 at 30fps /640x480 at 30fps/352*288 at 30fps/320*240 at 30fps/160*120 at 30fps	MJPG
Maximum Frame Rates (分辨率和帧率) ➡	1920x1080 at 5fps /1280x1024 at 10fps /1280x768 at 10fps /1024x720 at 10fps /960x540 at 15fps 800x600 at 20fps /640x480 at 30fps/352*288 at 30fps/320*240 at 30fps/160*120 at 30fps	1920x1080 at 5fps /1280x1024 at 10fps /1280x768 at 10fps /1024x720 at 10fps /960x540 at 15fps 800x600 at 20fps /640x480 at 30fps/352*288 at 30fps/320*240 at 30fps/160*120 at 30fps	YUY2
SNR max (信噪比)	≥50dB	≥50dB	
Dynamic range (动态范围)	≥80dB	≥95dB	
Min. Illumination (最低照度)	≥0.01LUX at F1.2	≥0.01LUX at F1.2	NO LED
Digital interface (连接接口)	1*2-pin 1.25mm//2*GH5*1.25mm USB2.0		
Transfer rates (接口速度)	480MB/S		
Power requirements (电源)	5V±0.5		
Power Consumption (功率)	NO LED	Max 1.2W	低功耗
	IR-LED	Max 1.8W	
LED IR-850(红外灯光强)	≤70° 1.0m	NO	LED
Lens Mount (可搭配镜头类型)	M8(f=4.3MM)		
Lens view (默认镜头)	M8/ H=40° V= 65°		LENS
Dimensions(PCBA) mm尺寸	70mm*17mm*10mm		长*深*高
OS (支持系统)	Windows XP /vista/seven/8.1/Mac linux2.6.2(include UVC)		
General Purpose辅助接口定义	5V+	LED+	250mA max
	GND	LED-	
USB CONN接口定义	1	5V	USB POWER-500mA max
	2	DM	D+
	3	DP	D-
	4	GND	DGND
	5	COVER	SHIELD



Common (简介)

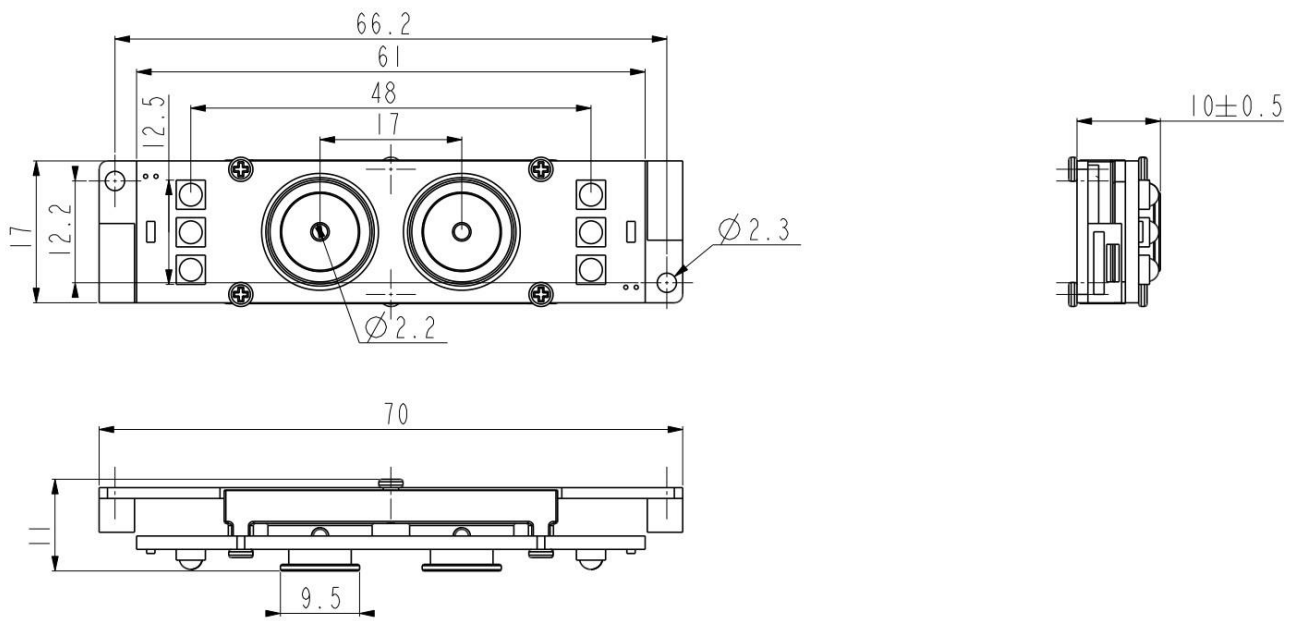
Attention: 注意:

1. professional SDK support for second develop. 专业的 SDK 支持二次开发

2. VID&PID(公司&产品识别码): IR:1871& 1501 / ASPIRE***** RGB:1871& 1130 / ASPIRE*****

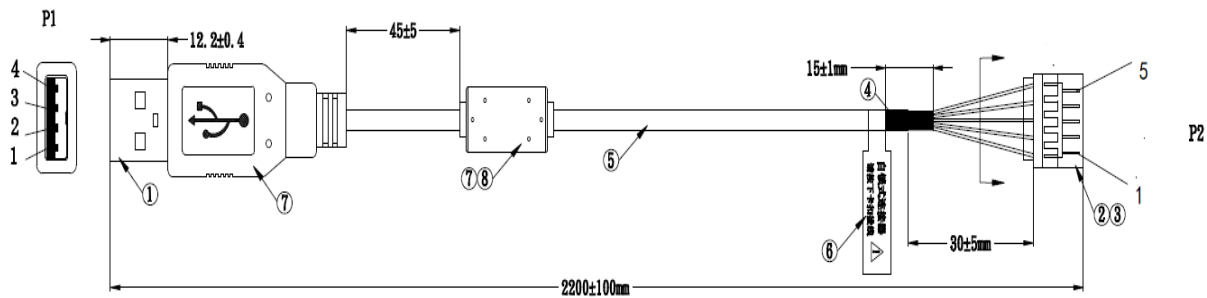
3.Product Dimension (产品尺寸)

A 产品设计尺寸图

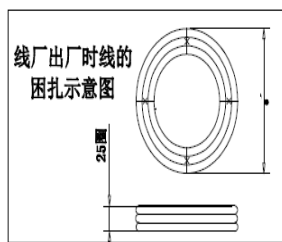
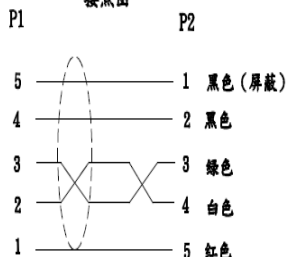




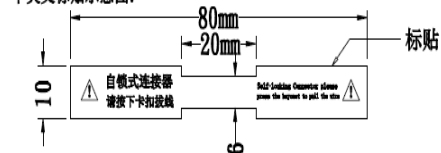
B.USB2.0 data line specification 数据线规格书



接点图



中英文标贴示意图:



备注:

1. 成品须做100%电性测试, 不能有断路, 短路, 错位, 间歇接触不良等状况
2. 导通阻抗3Ω; 绝缘5MΩ; DC300V/0.01s;
3. 所有物料需符合普通环保要求

材质: 不干胶 字体颜色: 黑色

标贴内容:

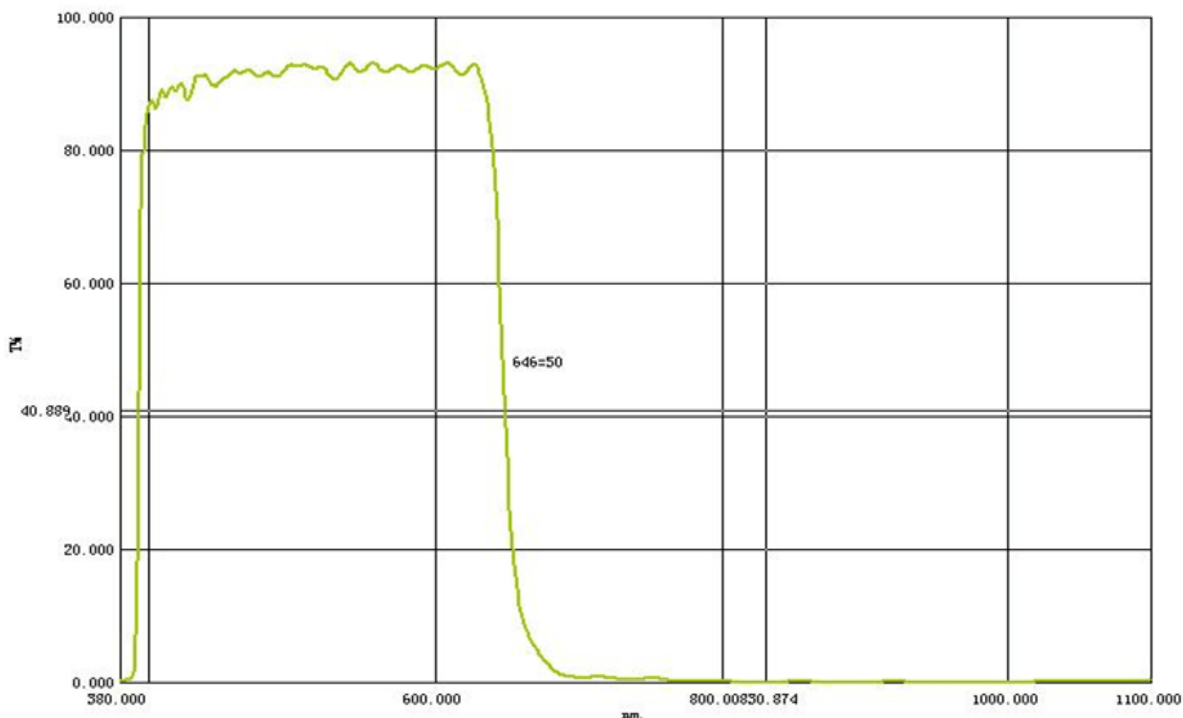
标签: 自锁式连接器 Self-locking Connector please

请按下卡扣接线 press the keypost to pull the wire

⚠: 黑色边框黄色警告标示

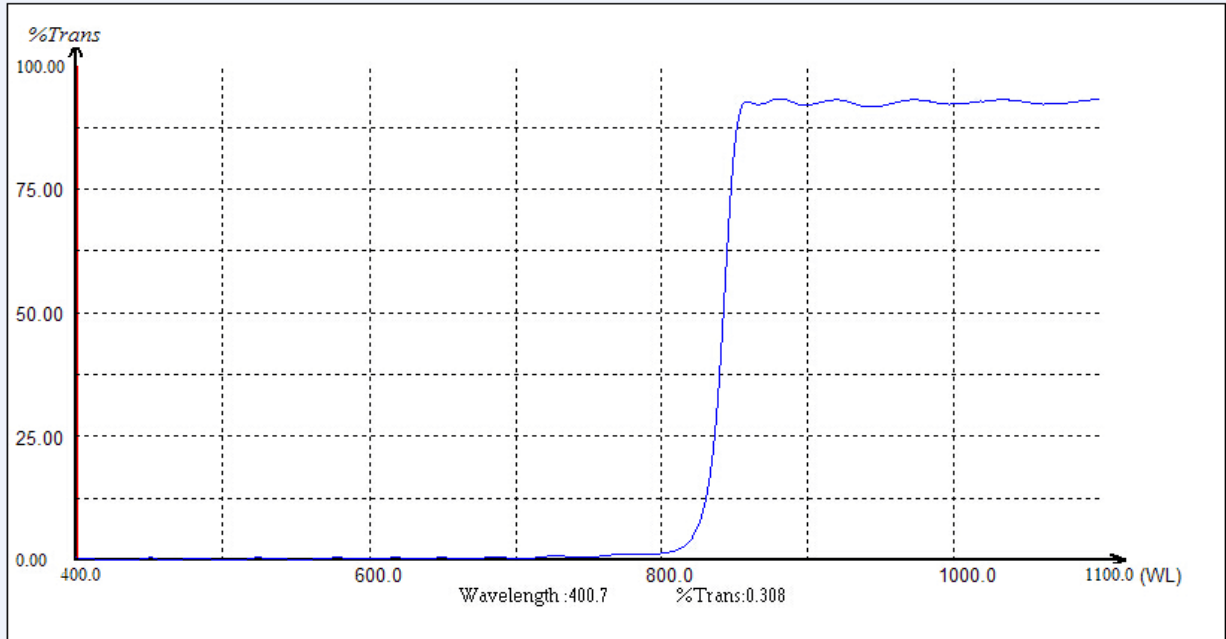
4.Filter wavelength (滤光片光谱)

A.RGB Filter wavelength (彩色滤光片光谱)





A2.IR Filter Wavelength(黑白滤光片光谱)



5.LENS Specification(镜头规格书)

Model No.	PO/0108
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SPECIFICATION	
Sensor Type	1/2.7" CMOS
Focal Length	4.51mm
Total Length	7.8MM
F/NO	2.5
Mechanical FB	1.15
Optical FOV	1/2.7" 1/2.8"
D	72.5° 69.3°
H	65.1° 62.5°
V	39.3° 36.1°
TV Distortion	<0.33%
Relative Illumination	>45%
Chief Ray Angle	16°
Construction	3P+1MG
Operation Temperature	-30°C ~ +80°C
Storage Temperature	-40°C ~ +85°C

③					NAME	DATE
②					DRAWN	
①					CHECKED	
REV	DATE	DISCRPTION	APPR.	APPR.		

ASPIRE

VIEW

Single Part Size: a0.2mm / Portfolio Size: a0.3mm



6. Cover proportion(mm) (外壳成份)

NO.	component	Proportion	NOTE
1	ZN	96.2000%	
2	CU	0.0160%	
3	Aluminum	3.7000%	
4	Fe	0.0030%	
5	Pb	0.0025%	
6	Sn	0.0004%	
7	Mg	0.0030%	

7. Modes of packing (包装方式)

