

SIS系列光学模块 SIS series optical module

- SIS集光谱功率分布、照度、色坐标、色温等测量功能于一体，体积小适用于嵌入式开发，广泛应用于视觉光源监测，手机生产线链在线监测发光体的光色稳定性及一致性。

SIS integrates spectral power distribution, illuminance, color coordinate, color temperature and other measurement functions. It is small in size and suitable for embedded development. It is widely used in visual light source monitoring. The mobile phone production line chain monitors the light color stability and consistency of the illuminant online.



技术参数 Specifications

- 光谱范围：350-1000nm;
Spectrum range: 350-1000nm;
- 波长准确度：0.5nm;
Wavelength accuracy: 0.5nm;
- 色品坐标准确度：0.001（相对于稳定度优于 ± 0.0001 的标准光源和NIM溯源值）；
Chromaticity standard accuracy: 0.001 (relative to the standard light source with stability better than ± 0.0001 and NIM traceability value);
- 外观尺寸可定制。
The appearance size can be customized.

特点与优势 Characteristics and advantage

● 主要特点

main features

- 1) 单次及多重曝光设计, 宽动态范围测量模式;
1) Single and multiple exposure design, wide dynamic range measurement mode;
- 2) 超低亮度测量下限, 最高达0.0005cd/ m², 非常适合于暗场或低灰阶条件下的亮度均匀性、对比度均匀性的测量;
2) The lower limit of ultra-low brightness measurement, up to 0.0005cd/m², is very suitable for the measurement of brightness uniformity and contrast uniformity under dark field or low gray scale conditions;
- 3) 高性能恒温制冷设计, 系统测量重复性高达, 满足品质、研发和实验室的测要求;
3) High performance constant temperature refrigeration design, system measurement repeatability is as high as, meeting the requirements of quality, R&D and laboratory measurement;
- 4) 测试速度快, 满足生产线上快速测试的要求;
4) The testing speed is fast, meeting the requirements of rapid testing on the production line;
- 5) 多点均匀性的专业分析, 可随意设定9点、13点、25点、400点等的亮度和色度均匀性评价;
5) Professional analysis of multi-point uniformity, and the evaluation of brightness and chromaticity uniformity at 9, 13, 25, 400 points can be set at will;
- 6) 软件功能强大, 针对LCD/OLED显示器、微小发光体显示、虚拟显示、车载显示等有不同的应用软件, 客户可根据需要选配不同的软件, 实现专业的测量。
6) The software has powerful functions. There are different application software for LCD/OLED display, micro luminous display, virtual display, on-board display, etc. Customers can choose different software according to their needs to achieve professional measurement.

根据测量物体、测量区域或测量方法选择合适的镜头 Select appropriate len according to test object, measurement areas or measurement method		
 <p>标准镜头 Standard lens</p>	<p>测量中小尺寸显示屏幕, 如车用仪表盘、发光字符、手机、IPAD等。 For the measurement of small and medium size displays.</p>	
 <p>广角镜头 Wide lens</p>	<p>短距离测量中大尺寸显示屏幕, 如计算机液晶显示器、电视机、投影屏、户外大屏幕等。 For the measurement of large size displays in a short distance</p>	

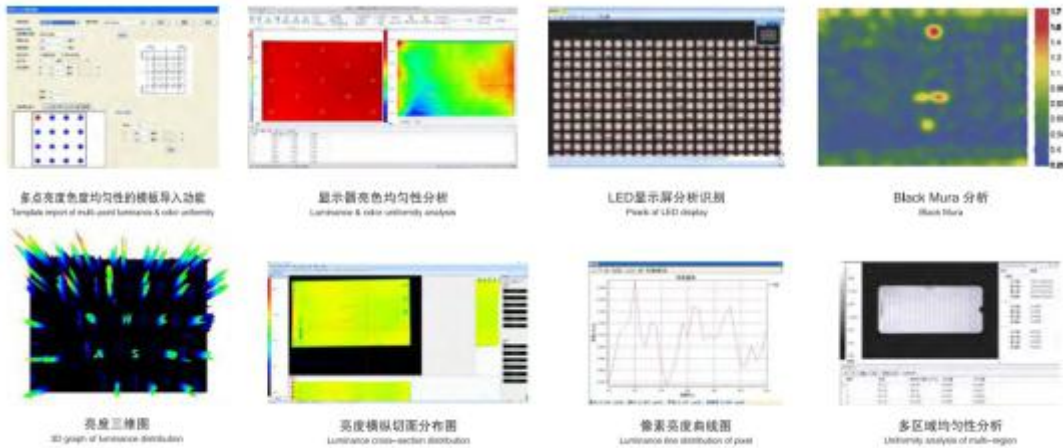
特点与优势 Characteristics and advantage

- 软件测试界面

背光源、手机平板、OLED显示, LED显示屏测试Software interface:

Software test interface

Backlight source, mobile phone tablet, OLED display, LED display screen test



技术参数 Specifications

- 亮度测量范围: 0.0005cd/m²~6000cd/m²~600,000cd/m²
Luminance measurement range: 0.0005cd/m² ~ 6000cd/m² ~ 600000cd/m²
- 亮度测量误差 (标准A光源) 3%
Luminance measurement error (standard A light source) 3%
- 色坐标准确度 (标准A光源): 0.003
Color setting standard accuracy (standard A light source): 0.003
- 镜头焦距: 56 mm (标准) /8mm(广角) /其它根据订单定制镜头
Lens focal length: 56 mm (standard)/8 mm (wide angle)/other customized lenses according to the order
- 测量距离: 150mm~无穷远 (标准) /350mm~无穷远(广角)
Measuring distance: 150mm~infinity (standard)/350mm~infinity (wide angle)