

## CX系列 成像彩色亮度计 CX series imaging color luminance meter

- CX-800C成像彩色亮度计可实现二维亮度及色度的测量，主要用于图像的亮度及色度、亮度及色度均匀性、对比度等测量，具有成像质量好、精度高、稳定性好、测量速度快、软件功能强大、操作方便等优点，可广泛应用于以下场合：

CX-800C imaging color luminance meter can realize the measurement of two-dimensional luminance and chrominance, mainly used for the measurement of image luminance and chrominance, luminance and chrominance uniformity, contrast, etc. It has the advantages of good imaging quality, high accuracy, good stability, fast measurement speed, powerful software functions, easy operation, etc. It can be widely used in the following situations:

- 景观照明、道路照明、室内照明；  
Landscape lighting, road lighting and indoor lighting;
- 背光源、LCD显示屏、LED显示屏、OLED显示屏、micro LED显示；  
Backlight source, LCD display, LED display, OLED display, micro LED display;
- HUD抬头显示、AR/VR虚拟显示；  
HUD head up display, AR/VR virtual display;
- 车载显示、投影显示等领域。  
On board display, projection display and other fields.



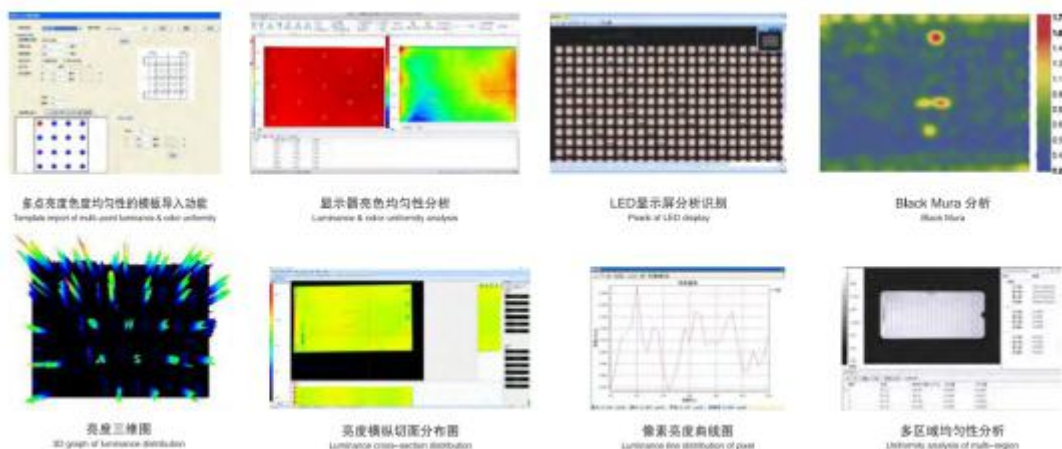
**特点与优势 Characteristics and advantage**

- 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0.05%, 满足品质、研发和实验室的测要求  
3) High performance constant temperature refrigeration design, system measurement repeatability up to 0.05%, 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) The professional analysis of multi-point uniformity can set the brightness and chromaticity uniformity evaluation of 9 points, 13 points, 25 points and 400 points at will.
- 6) 软件功能强大, 针对照明、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 lighting, LCD/OLED display, micro luminous display, virtual display, vehicle mounted display, etc. Customers can choose different software according to their needs to achieve professional measurement.

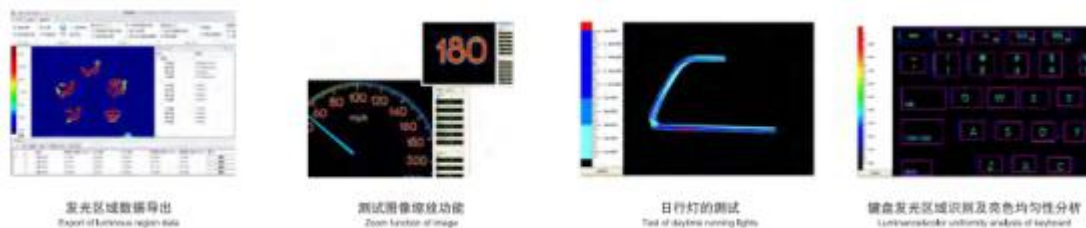
根据测量物体、测量区域或测量方法选择合适的镜头 Select appropriate len according to test object, measurement areas or measurement method		
 <p>标准镜头 Standard lens</p>	<p>测量中小尺寸显示屏, 如车用仪表盘、发光字符、手机、IPAD等。 For the measurement of small and medium size displays.</p>	
 <p>广角镜头 Wide lens</p>	<p>短距离测量中大尺寸显示屏, 如计算机液晶显示器、电视机、投影屏、户外大屏幕等。 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  
Software test interface
- 背光源、手机平板、OLED显示, LED显示屏测试 Software interface:  
Backlight source, mobile phone tablet, OLED display, LED display screen test



- 汽车日间行车灯、氛围灯、仪表盘、发光字符测试  
Automobile daytime running light, atmosphere light, instrument panel and luminous character test



**技术参数 Specifications**

- 亮度测量范围：0.0005cd/m<sup>2</sup>~30,000cd/m<sup>2</sup>（测量范围可根据订单）  
Luminance measurement range: 0.0005cd/m<sup>2</sup> ~ 30000cd/m<sup>2</sup> (the measurement range can be according to the order)
- 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
- 色坐标重复性：0.0001  
Color coordinate repeatability: 0.0001
- 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)