CX-800C 成像彩色亮度计
CX-800C 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，应用于：背光源、LCD显示屏、OLED显示屏、手机整机屏的测量分析。

The X-800C imaging color luminance meter can realize the measurement of two-dimensional brightness and chroma. It is mainly used for the measurement of image brightness and chroma, brightness and chroma uniformity, contrast, etc. It has the advantages of good imaging quality, high accuracy, good stability, fast measurement speed, powerful software functions, and easy operation. It is applied to the measurement and analysis of backlight, LCD display, OLED display, and mobile phone screen.

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/㎡，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

标准镜头
Standard lens

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.

广角镜头
Wide lens

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。
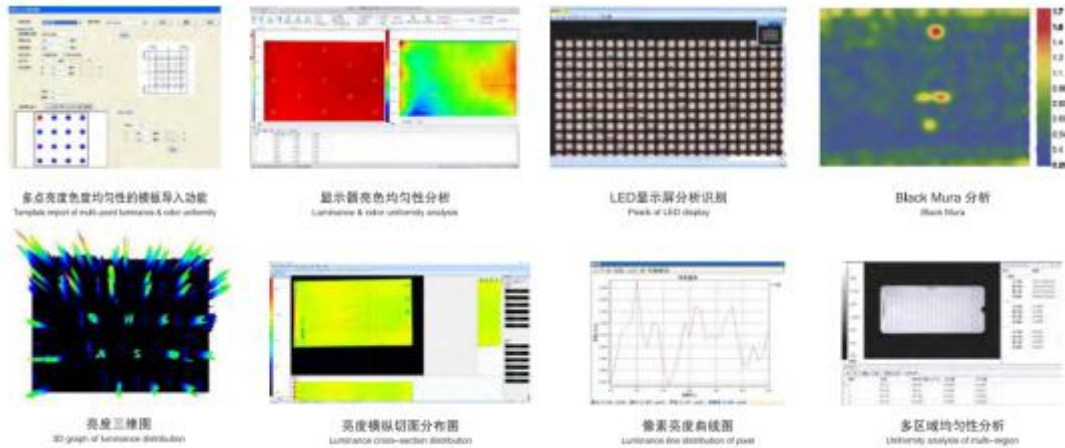For the measurement of large size displays in a short distance

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

多点亮度色度均匀性的模板导入功能
Template report of multi-point luminance & color uniformity

显示器亮色均匀性分析
Luminance & color uniformity analysis

LED显示屏分析识别
Pixels of LED display

Black Mura 分析
Black Mura

亮度三维图
3D graph of luminance distribution

亮度横纵切面分布图
Luminance cross-section distribution

像素亮度曲线图
Luminance line distribution of pixel

多区域均匀性分析
Uniformity analysis of multi-region

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)