

DMS-8500 大型显示器光学特性测试系统

DMS-8500 Large Scale Display Optical Characteristics Testing System

- 测量LCD/LED模组/背光模组/OLED/FPD平板电视等各类平面显示器；
Measurement of LCD/LED module/backlight module/OLED/FPD flat panel TV and other flat panel displays;
- 亮度均匀性、对比度、黑白窗口亮度对比度；
Brightness uniformity, contrast, and brightness contrast of black and white windows;
- 色度均匀性、色品坐标、相关色温、光谱分布、白平衡误差；
Chromaticity uniformity, chromaticity coordinates, related color temperature, spectral distribution, white balance error;
- 色域面积、色域覆盖率；
Color gamut area and color gamut coverage;
- 可视角度（水平视角、垂直视角）；
Visual angle (horizontal view, vertical view);
- 黑白响应时间（上升时间、下降时间）、灰阶Gamm响应、预热时间；
Black and white response time (rise time, fall time), gray scale Gamm response, preheating time;
- 串扰、闪烁、GAMMA；
Crosstalk, flicker, GAMMA;
- 功耗、电视机能效等参数；
Power consumption, TV energy efficiency and other parameters;
- 选项：可实现曲线电视光字特性的测试；
Option: it can realize the test of optical character of curve TV;
- 满足IEC、TCO、IDMS等相关标准要求。
Meet the requirements of IEC, TCO, IDMS and other relevant standards.



技术参数 Specifications

- (1)最大测量尺寸：30-85英寸（其它尺寸可定制）；
(1) Maximum measurement size: 30-85 inches (other sizes can be customized);
- (2)被测样品：水平放置；
(2) Tested sample: placed horizontally;
- (3)XYZ行程移动分辨率：±0.01mm；
(3) XYZ stroke movement resolution: ± 0.01mm;
- (4)载物台绕水平方向自动转动，转动范围-90° ~+90°
(4) The stage rotates automatically in the horizontal direction, and the rotation range is - 90 ° ~+90 °
- (5)载物台绕垂直方向自动转动，范围：-90° ~+90°
(5) The stage rotates automatically in the vertical direction, the range is - 90 ° ~+90 °

- 软件界面
software interface



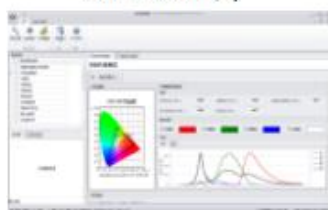
GAMMA 曲线



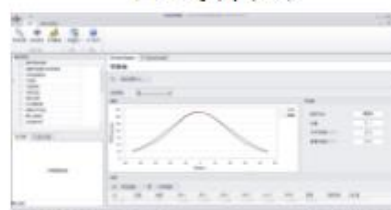
白平衡测试



亮度色度均匀测试



色域测试



视角测试



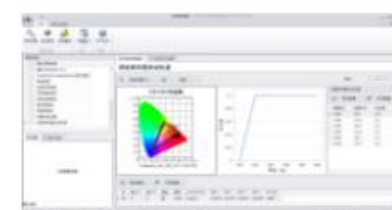
串扰测试



环境光对比度测试



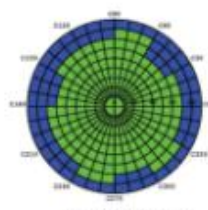
反射率测试



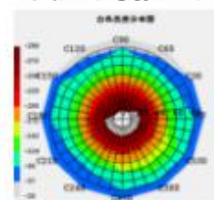
评估环境光对比度



灰阶响应时间测试



色偏测试



亮度分布图

技术参数 Specifications

- (6) 对准装置：采用精密水平与垂直十字激光对准装置精确调整显示器位置和转动中心位置。
(6) Alignment device: precise horizontal and vertical cross laser alignment devices are used to precisely adjust the position of the display and the rotation center.
- (7) 支持的信号发生器：电脑显卡HDMI, VGA, DVI等输出、Windows系统图像信号产生软件、信号发生器等；
(7) Signal generator supported: HDMI, VGA, DVI and other outputs of computer graphics card, image signal generation software of Windows system, signal generator, etc;