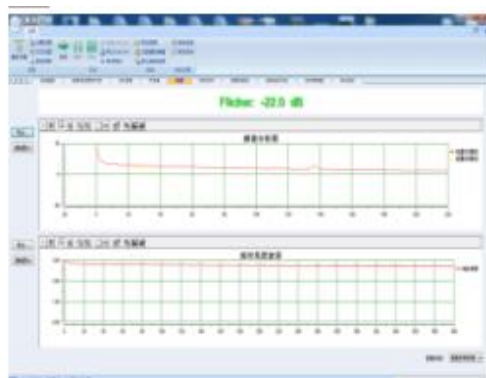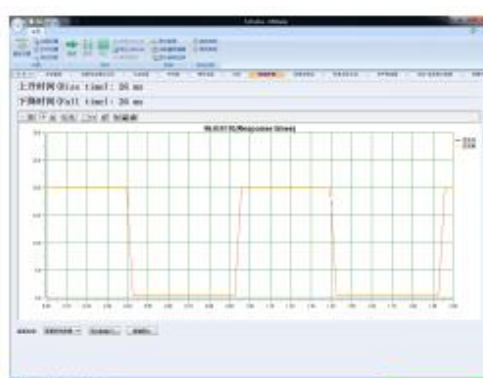# DMS-1500 Optical Property Test System for Smartphone and Tablet

Measurement of optical properties of display under 15 inches such as smartphone, flat panel, navigation screen, LCD module including luminance uniformity, color uniformity, chromaticity coordinates, color gamut area, color gamut coverage, luminance contrast, viewing angle, white balance error, response time, gray scale, flicker, crosstalk and etc. The system includes five axis automatic rotation and black metal box(Optional). The size of the tested display is 3-15 inches, meeting the requirements of IEC, TCO, IDMS and other related standards.
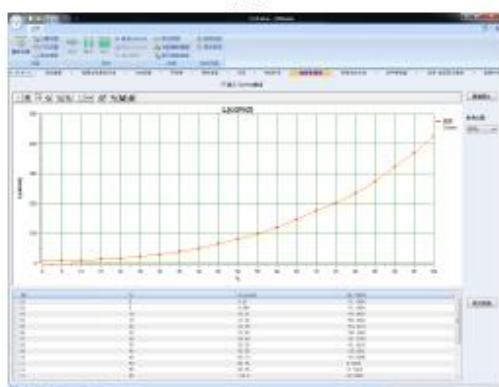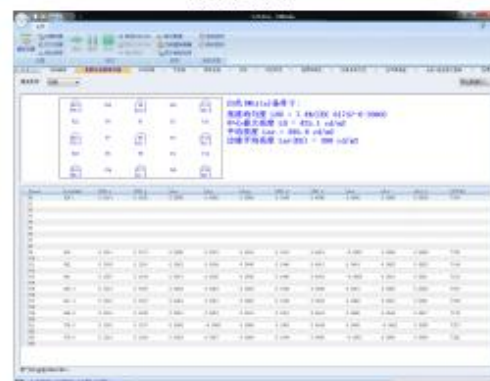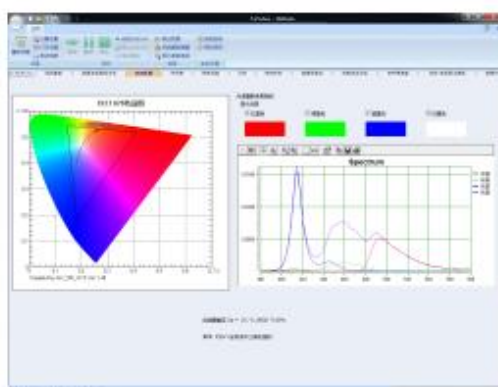
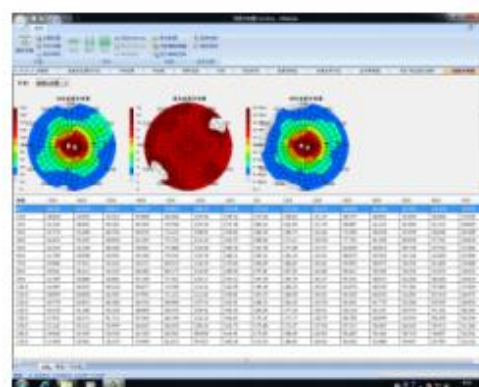**Software Interface:**

flicker 闪烁


响应时间


GAMMA 测试


亮度色度均匀性


色域


亮度对比度-视角图
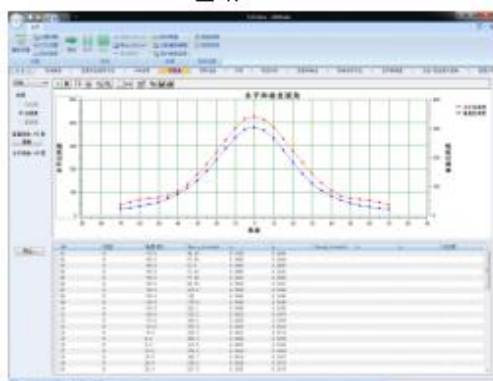

可视角测试


白平衡误差

| Model | DMS-1500 |
|---|---|
| Sample | Horizontal placement |
| X translation | ±180mm |
| Ytranslation | ±180mm |
| Z translation | 350mm～600mm adjustable |
| Translation resolution | 0.01mm |
| Fixture | Clamping device can perform pitch adjustment |
| Alignment device | Software auto-alignment can be achieved by the cross laser alignment device and the line laser alignment itself. |
| Monitoring | Video monitoring system |
| Optical test instrument | SRC series spectral color luminance meter, CX series imaging luminance meter, and etc. |
| Test speed | Quick, medium and slow for choice |
| Rotation Phi (H axis) | -90° ~ +90° |
| Inclination Theta (V axis) | −90° ˜ +90° |
| Angle Resolution | ±0.1° |
| Signal generator | Android mobile phone install remote special graphics swiching software, computer graphics card HDMI, VGA, DVI and other output, Windows system image signal generating software, customer's signal driver and etc. |
| Response time and flicker | The quick response tester is equipped to realize the response time and the flicker test. |
| Power supply | High precision precision DC power supply and electrical parameter tester |
| Darkroom | Metallic dark box |

Phone                    Vehicle navigation screen                    iPad