



communications

Ruggedized Command & Control Solutions

Optical Test Services



L-3 Communications Ruggedized Command & Control Solutions

a Division of L3 Communications
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Optical Testing

L-3 RCCS offers full optical characterization and testing for flat panel displays.

Test Equipment:

- A fully automated five axis goniometer (Westar FPM 510).
- Photo Research PR880 Colormeter.
- Topcon BM5A color meter.
- Gamma Scientific NVG4040 for NVIS measurements.
- Dark room that meets the requirements of MIL-L-85762A & MIL-STD-3009

Benefits and Features:

- Optimized for small to medium sized displays [up to 30" (76cm) diagonal/40 lbs (18kg)]
- Industry standard system
- Manual and automatic control
- Customizable test sequence
- Excel Data reports
- Spot tracking algorithm
- Design Eye point geometry
- Fully integrated to PR880 and BM5A

Test Capabilities:

- Luminance Uniformity (Per VESA standard or custom points)
- Luminance vs Angle ($\pm 89^\circ$ Horizontal, $\pm 89^\circ$ Vertical)
- Contrast Ratio as a function of angle ($\pm 89^\circ$ Horizontal, $\pm 89^\circ$ Vertical)
- CIE chromaticity & CCT vs Angle ($\pm 89^\circ$ Horizontal, $\pm 89^\circ$ Vertical)
- Gamma Curves
- Gray levels and Gray level inversion tests
- Color difference/separation (ΔE^*)
- High ambient contrast testing per MIL-L-85762A & MIL-STD-3009 spec
- NVIS measurements per MIL-L-85762A & MIL-STD-3009 spec

About Us



L-3 offers environmental testing services to our external customers using our equipment and vast technical experience.

We have become a recognized defense industry leader within the computer/display systems market and have developed specialized engineering expertise focused on providing low cost, flexible architecture and upgradeable systems solutions utilizing ruggedized COTS technology. L-3 RCCS is ISO

9001 certified. Our modern facilities can help improve the reliability of your products. Please call us today for more information.

