

Screen surface technical datasheet

Material tested: Gamma Maestro HD front projection screen material

Testing Conducted on: August 28, 2008

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Equipment utilized:

JVC DLA-HD100
Sekonic L-508c
Sencore VP 401
Sencore ColorPro III

General Description:

Gamma Maestro HD is an industry leading sound permeable woven front projection material specially developed for use with speakers behind the screen in light controlled environments. Gamma Maestro HD provides a wide viewing angle, high contrast, bright picture, and excellent color accuracy. The ultra fine woven pattern on Gamma Maestro HD has optimized reflective resolution for 1080p HD projectors with no moiré effects and top of the line audio purity without the need for any electronic equalization. Gamma Maestro HD is available on Reference edition projection screens.

Gain: 1.1

Max screen sizes:

2.35:1 - 215" diagonal

16:9 - 196" diagonal

4:3 - 160" diagonal

Special thanks to:

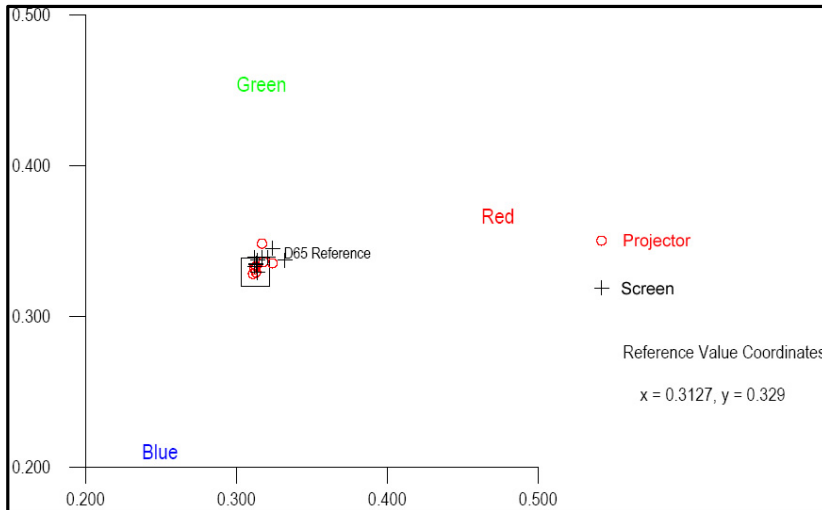


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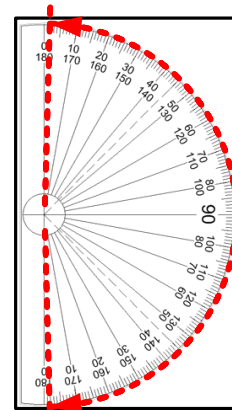
SENCORE
ColorPro
Color Analyzer

Color Shift by xy coordinates



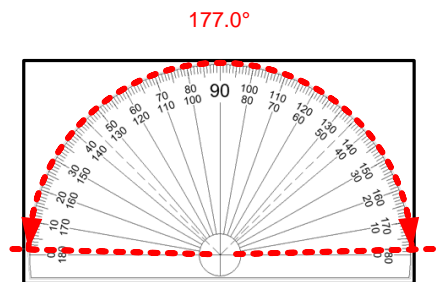
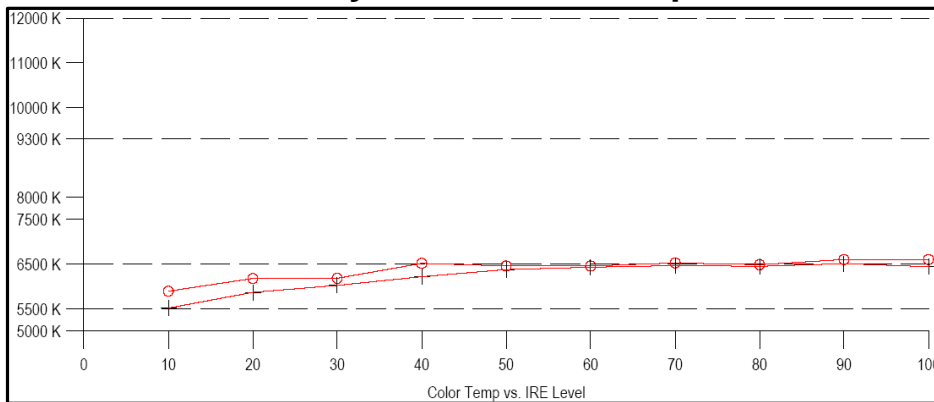
Colorimetry:

Average color neutrality: 98.5%



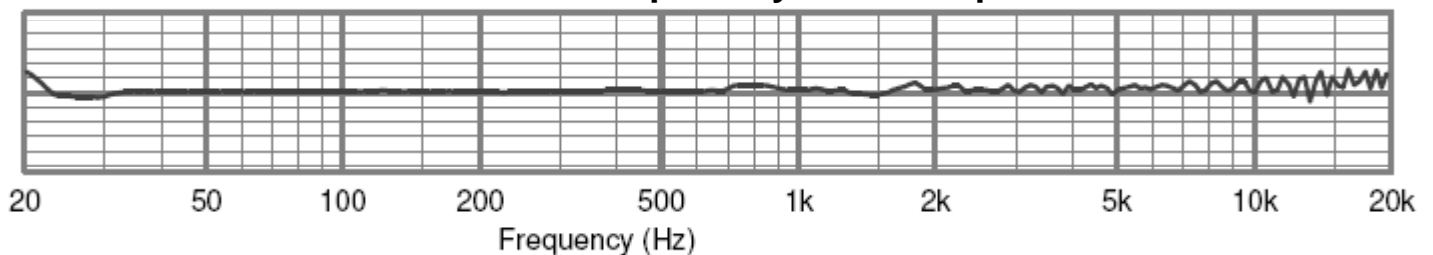
Vertical Viewing Angle

Color shift by Kelvin color temperature



Horizontal Viewing Angle

Acoustic Transparency – 1 db steps*



* Acoustic transparency measured in anechoic conditions, averaged from 0 – 60 degrees off axis, with screen 6 inches from speaker.

Conclusion:

Gamma Maestro HD's excellent color neutrality, HD resolution, brightness uniformity, and wide viewing angles combine to make it an excellent all purpose screen for use in light controlled environments.

Gamma Maestro's acoustic characteristics provide industry leading audio clarity with a maximum measured variance of +2 -1 db from 20 to 20k Hz..

Gamma Maestro HD front projection screen material is intended for use in light controlled environments with average to bright projectors although mild ambient light may be acceptable if focused away from the screen while using a high brightness projector. Refer to SI's Screen Wizard online for further advice on attaining SMPTE standards in each different situation.