XMP270 GaiaColor Direct Connect Volumetric AutoCal Verification - HDR

Volumetric View

All measurements below dE 1
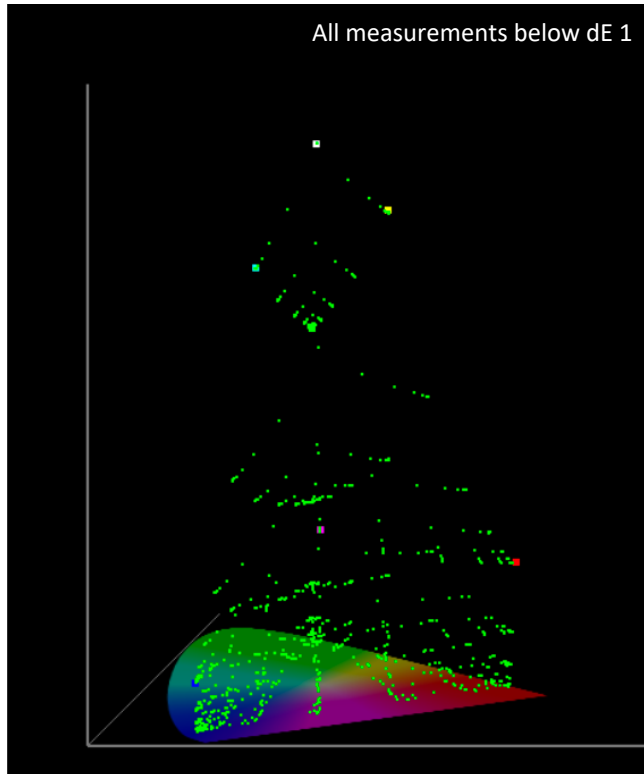
Volumetric x,y,Y view of P3 D65 PQ verification where measured points with corresponding dE2000 value below 1.0 are shown as green dots. All 1,000 measured patches in this test scenario were below 1.0. If any points were higher than dE2000 of 1.0 they would be shown as orange or red instead of green.

dE Distribution

88% dE 0-0.5
12% dE 0.5-1.0
All measurements below dE 1
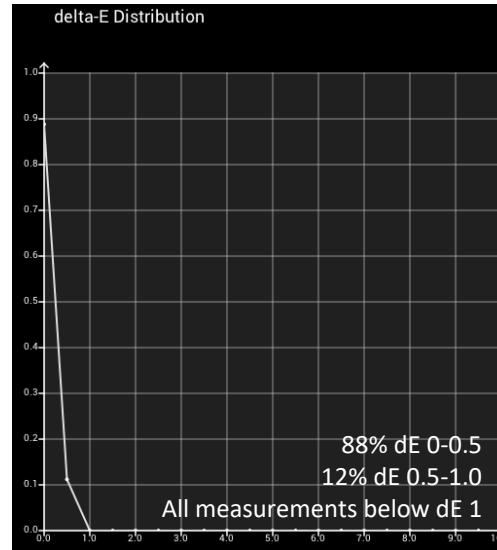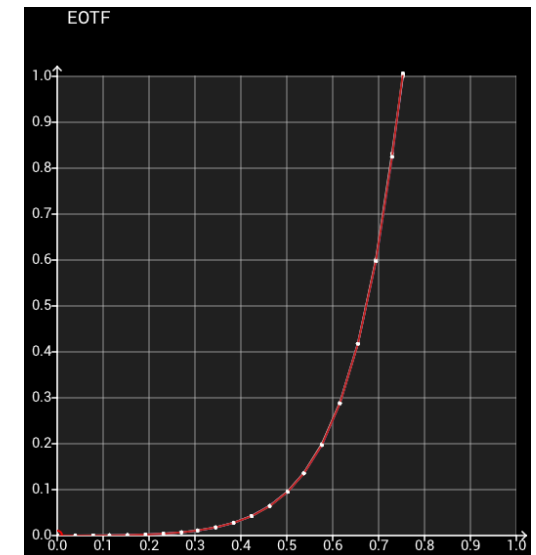
Profile Points: 1000
dE < 1.0 : 1000 (100%)
dE > 1 < 2.3: 0 (0.00%)
dE > 2.3: 0 (0.00%)

All graphs represent measured verification data of a XMP270 calibrated with a CR100 using GaiaColor Direct Connect Volumetric AutoCal. Volumetric and dE distribution results shown at left were obtained with a 1,000pt cube-based analysis of the AutoCal result using 3% window patch size in LightIllusion's ColourSpace using the same CR100 that was used for AutoCal. Grey Scale and PQ EOTF results shown were taken with a separate grey ramp analysis in ColourSpace to provide more greyscale data points. Similarly, the graph at right is a separate analysis specifically showing color gamut and select memory colors. This data illustrates the performance of the P3, 6500K, PQ EOTF selection, but other gamut, CCT, and EOTF selections may be made from the monitor's menu without requiring recalibration of the display.
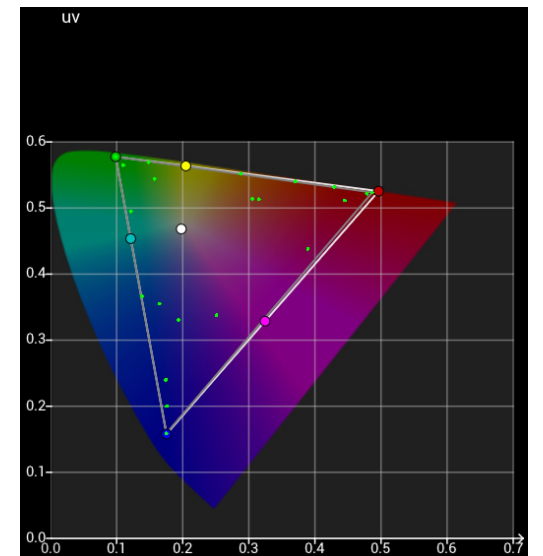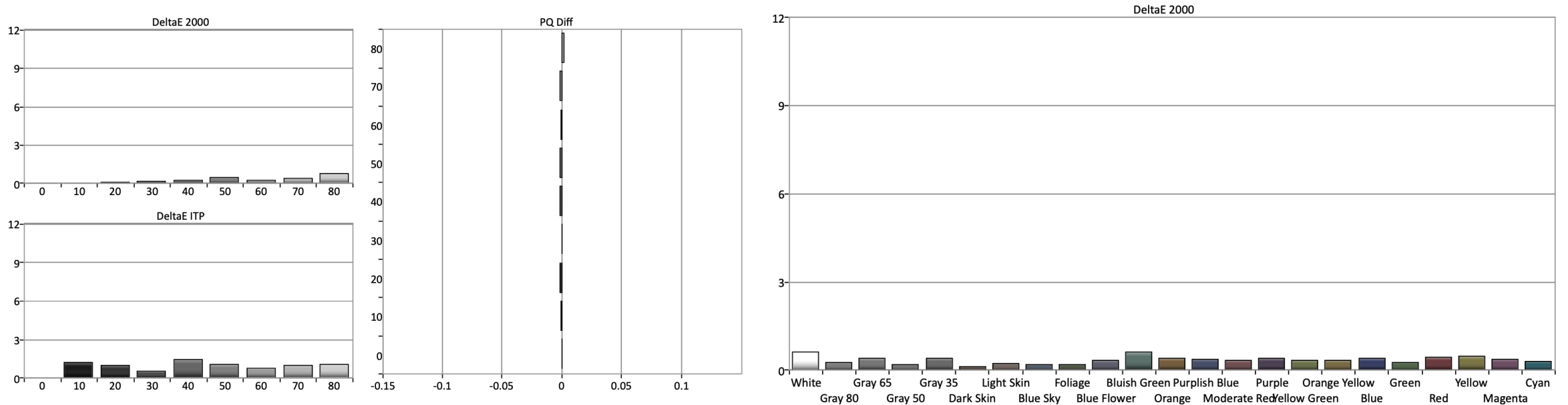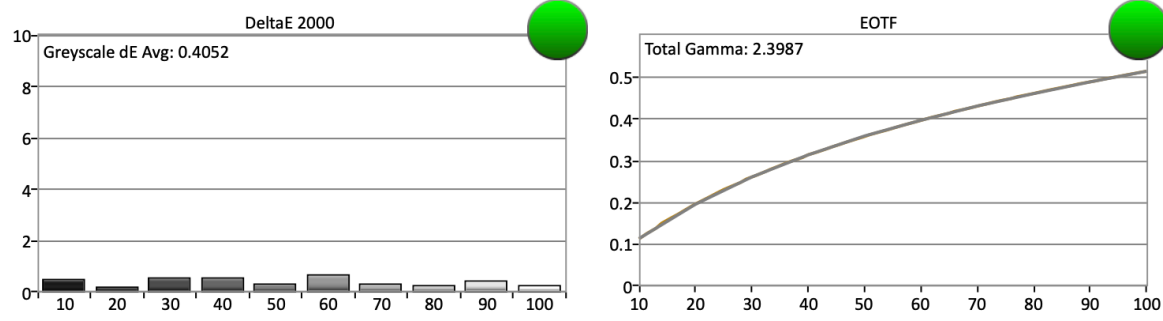
Greyscale dE
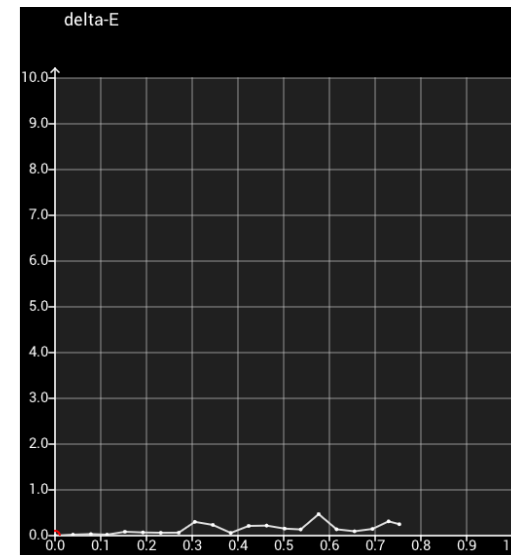
PQ EOTF Tracking

Memory Colors & Gamut

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DeltaE 2000
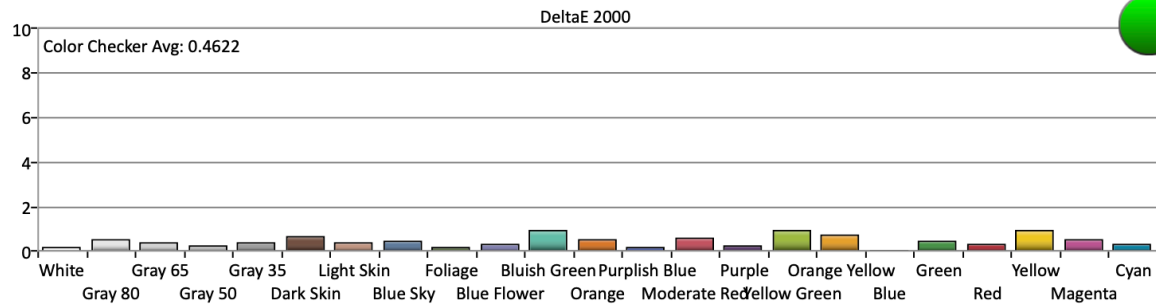
DeltaE ITP

PQ Diff

DeltaE 2000

All graphs represent measured verification data of an XMP270 calibrated with a CR100 using GaiaColor Direct Connect Volumetric AutoCal. The verification data shown on this page was obtained using Portrait Display's Calman Studio. Greyscale results shown at left are of the same measured data represented in both dE2000 and the more stringent dEITP metric. The data at right of this page reflects a Calman Color Checker Analysis of the XMP270's GaiaColor AutoCal result. As with the previous page this data illustrates the performance of the P3, 6500K, PQ EOTF selection, but other gamut, CCT, and EOTF selections may be made from the monitor's menu without requiring recalibration of the display.

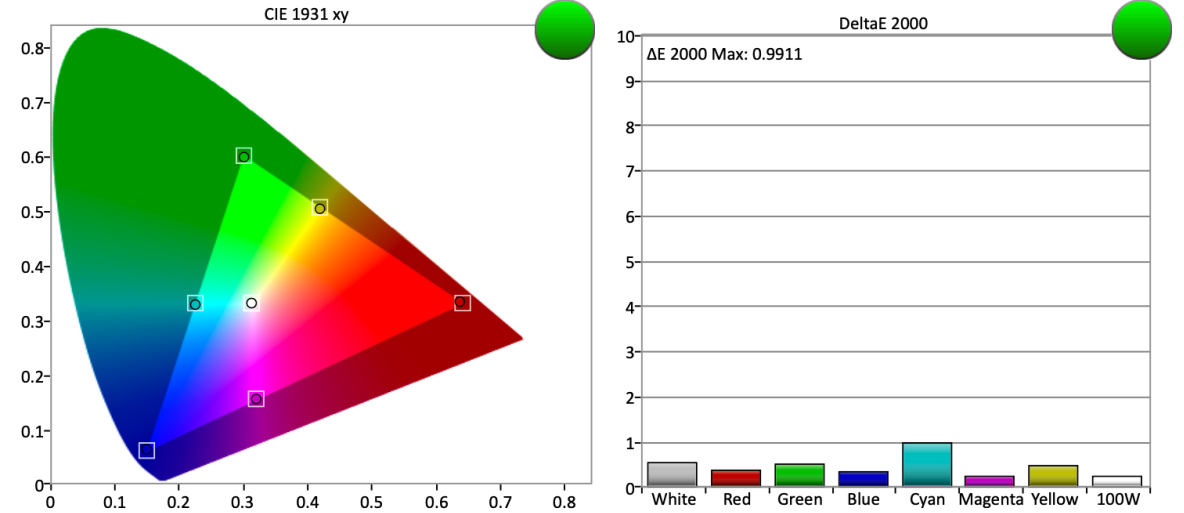# XMP270 GaiaColor Direct Connect Volumetric AutoCal Verification - SDR

Grayscale:

DeltaE 2000 — Greyscale dE Avg: 0.4052

EOTF — Total Gamma: 2.3987

Color Management:

CIE 1931 xy

DeltaE 2000 — ΔE 2000 Max: 0.9911

ColorChecker:

DeltaE 2000 — Color Checker Avg: 0.4622

All graphs represent measured verification data of a XMP270 calibrated with a CR100 using GaiaColor Direct Connect Volumetric AutoCal. The verification data shown on this page was obtained using Portrait Display's Calman Studio, using a standard L32 (10% window) and the same CR100 used for GaiaColor AutoCal. This data illustrates the performance of the Rec709, 6500K, Gamma 2.4 EOTF selection, but other gamut, CCT, and EOTF selections may be made from the monitor's menu without requiring recalibration of the display.