

QALIF OPTIMIZER

PART OF THE CUROLUX FAMILY

A compact, discreet addition mounted to the back wall of a theatre, Qalif Optimizer is a fully automated solution which measures light and sound.

Optimizer provides accurate focus, displays light distribution and performs spectral analysis on all audio channels.

Suited for use in normal cinema environments, Qalif Optimizer solutions allow exhibitors to measure and maintain screen parameters as well as monitor and modify projection equipment settings.

FUNCTIONS:

MEASURES:

- Light Uniformity (144 points, SMPTE 5 and 9 points)
- Light hot spot position
- Focus
- Audio validity check with dB meter and full spectral analysis
- Dolby Atmos™ immersive audio analysis

ADJUST (FULLY AUTOMATIC):

- Focus (Lens File)
- 2D / 3D Lamp power adjustment (with lamp file save into the projector)

ADDITIONAL FEATURES:

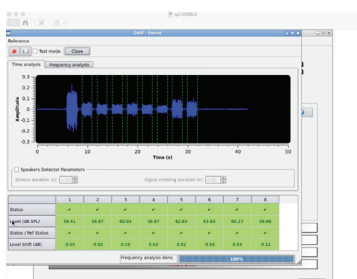
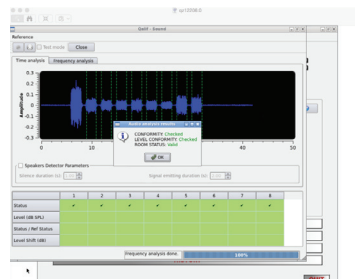
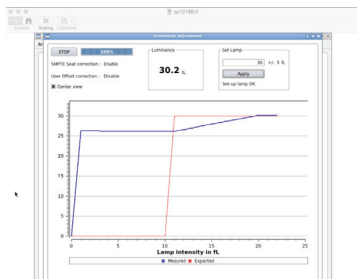
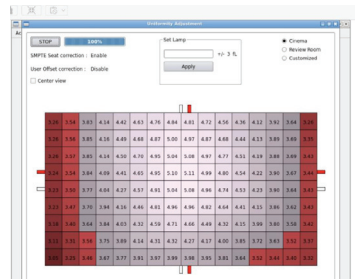
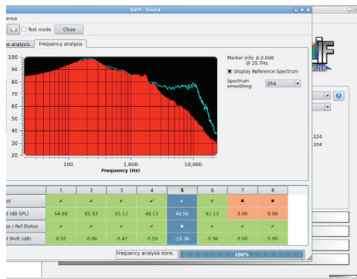
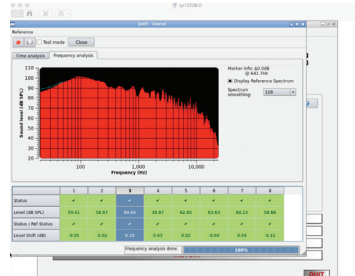
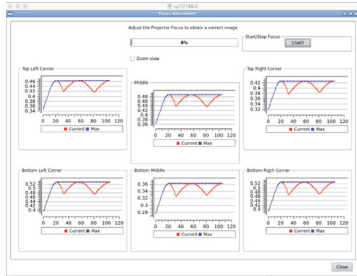
- Fixed installation
- Standalone (no software install)
- Integrated with Digital Cinema Workflow (lens file, lamp File) and server macros
- Advanced real-time uniformity analysis (144 points)
- Confirm brightness and uniformity meet SMPTE/DCI Standards (SMPTE ST 431-1:2006)
- Configurable tolerances
- Centralised reports (Existing NOC integration via API or Zabbix Agent possible)
- Controllable by a text API
- Calibrated from the SMPTE seat (No need to be uninstalled every year for calibration)



Qalif
Optimizer

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SPECIFICATIONS:



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GENERAL

Throw Ratio (shorter on demand)	Minimum of 1.25/1
Luminance Accuracy *	± 2%
Repeatability	1%
Size - Weight	L72 x H48 x W134 mm - 200 g
Control compatibility	HTML and VNC capability or API
Interface	Ethernet (in projection booth)

CAMERA

Imaging/Pixel Array	1280 x 960 pixels
CCD	Monochrome 4.8 x 3.6 mm
Total Pixels	1.2M
Shutter	Electronic
Size - Weight	L39 x H39 x W75 mm - 200 g

MICROPHONE

Microphone body	Die cast aluminium
Frequency response	20 Hz - 20kHz +/-1dB
Resolution & Sample rate	24bit ADC @ 44.1 or 48kHz
Max SPL for 1% THD @ 1kHz	133 dB SPL @ 0dB gain setting
Size - Weight	L20 x H20 x W189 mm - 100 g

* For an illuminant and against NIST Luminance Standard