

Qalif Ultimate

Video-Meter / Spectro-Colorimeter



The Qalif Ultimate is the best all-in-one product for accurate measurement and supply chain monitoring.

The coupled system provides the benefits of a video-meter (simultaneous analysis) and of a spectro-meter (color accuracy).

The Qalif Ultimate can be used for a variety of applications from laboratories to content production or diverse screenings.

Benefits

- Light and color distribution in 8 million pixels
- Cooled (low-level light high accuracy)
- Customized GUI on demand
- Affordable price for high-end system
- High precision spectro, laser compatible

Applications

- LED / OLED characterization
- Screen characterization
- Automotive
- Avionics
- Head up display
- Rail industries
- Lighting
- Cinema
- Post-production laboratories
- Laser projection
- Dual projector alignment
- Video wall

Tolerance values
 Lower limit = 80 % Maximum Luminance: 69 Cd/m²
 Upper limit = 90 % Uniformity (average): 91%

58.7	61.5	63.7	64.8	65.1	64.2	64.7	64.2	63.6	62.4	60.5	57.6	55.7	53.5	49.7	47.5
60.3	63	64.7	66	66.4	66.3	66.1	65.6	64.8	63.4	59.9	57.8	55.6	54.5	50.7	49.6
61.7	63.8	65.4	66.4	67	67.5	67.1	66.8	65.4	64.6	60.7	59.7	56.6	55.2	52.7	50.9
62.6	63.7	65.3	67	67.5	68.1	68.2	67.8	66.7	65.6	61.6	61	59.5	57.4	54.5	51.7
63	64.1	65.5	67.4	67.9	68.3	68.7	68.6	67.4	65.9	63.7	61.9	60.2	58	55.3	52.3
63.1	64.9	66.5	67.8	68.2	68.3	68.6	68.7	67.5	66	63.3	62.1	60.5	58.5	55.7	52.8
62.9	65.6	67.3	67.9	68	68.2	68.2	68.4	67.6	66.2	63.2	61.3	60.6	58.3	55.6	52.8
62.7	65	66.7	67.5	67.9	67.9	68	67.8	67	66	63.9	61.6	60.4	57.9	55.1	52.3
61.9	63.8	65.5	65.5	67.1	67.6	67.4	67.1	66.3	65.4	63.5	61.7	59.7	57	54.4	51.3

Key Features

GENERAL

Luminance accuracy *	± 1%
Repeatability	≤ 1%
Size (without handle) - Weight	L220 x H188 x W163 mm - 3.6kg
Interface	Wifi or Ethernet
Color Space	Selectable CIE curve

CAMERA

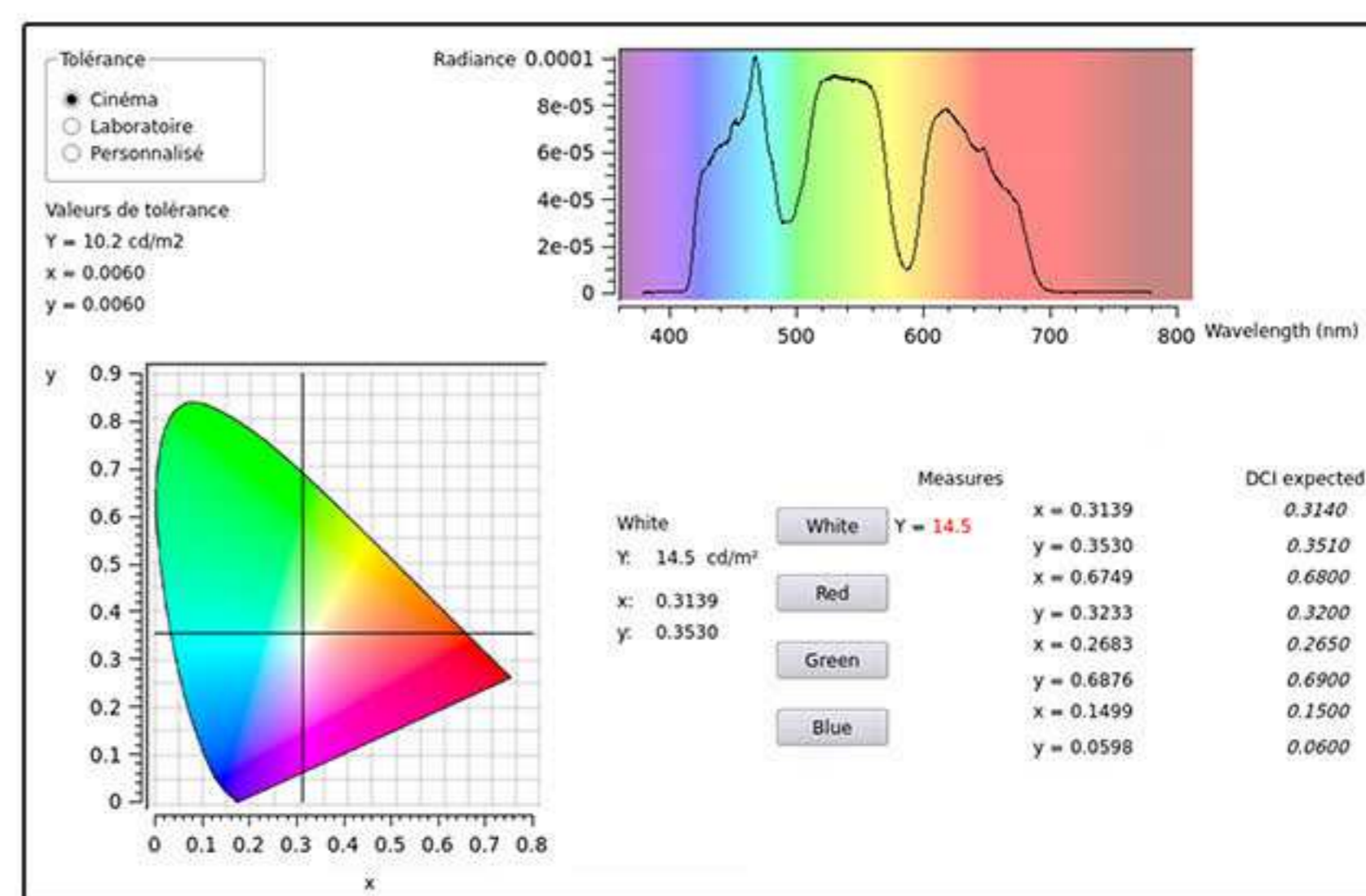
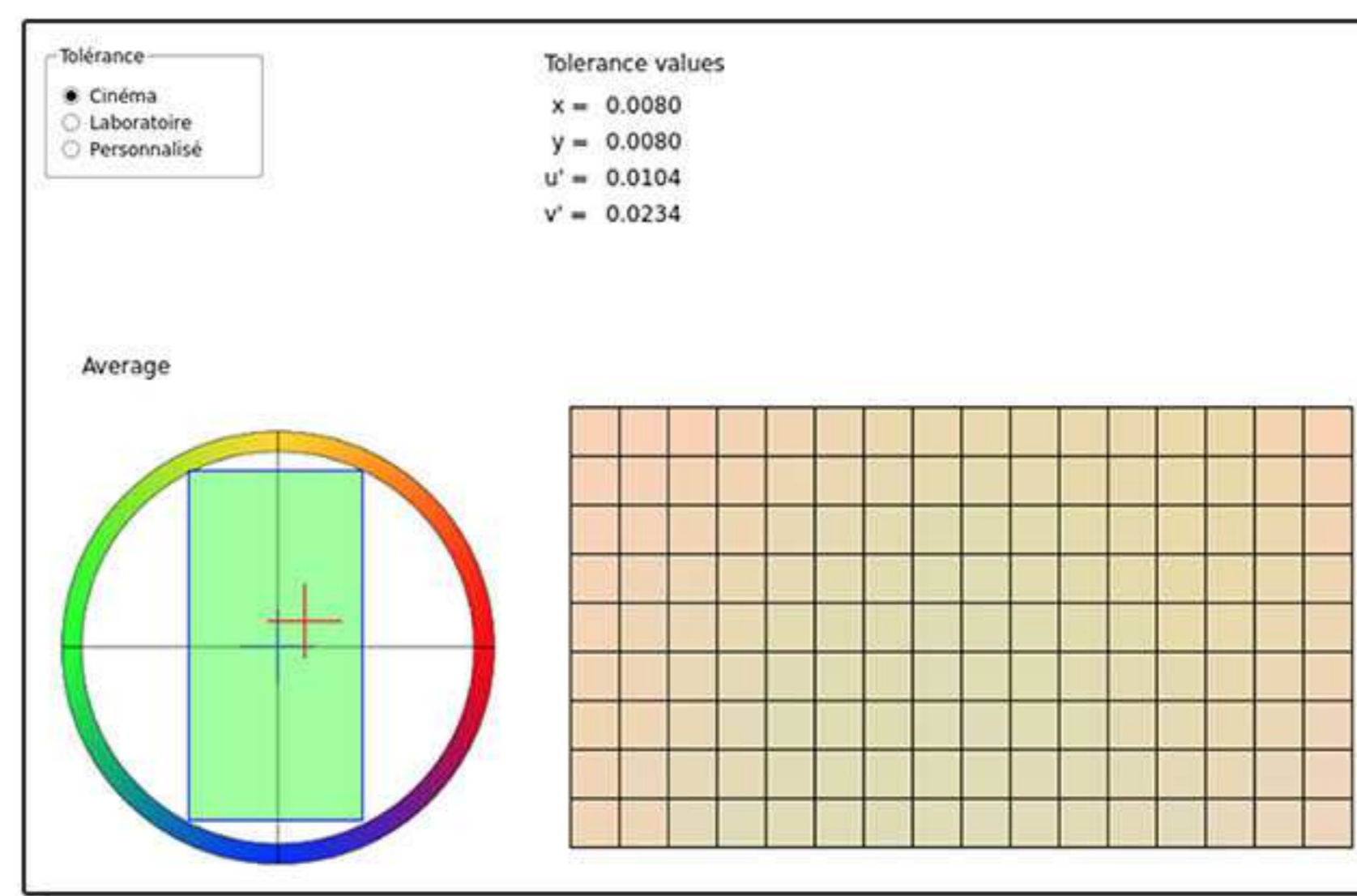
Throw Ratio	minimum of 0.8:1
Imaging/Pixel Array	3326 x 2504 pixels
CCD size	17.96 x 13.52 mm
Total Pixels	8.3 million
Pixel size	5.4 x 5.4 microns square
Shutter	Mechanical
Exposure	0.1 to 3600 seconds
A/D Converter	16 bits
Pixel Digitization Rate	10 million pixels per second
Full Frame Download	1 second
Cooling Delta	Single Stage TE, Max delta -40C
Temperature Regulation	+/- 0.1 deg. C

SPECTRO**

Color accuracy *	±0.0015 for CIE 1931 xy
Bandwidth	2nm
Resolution	0.3nm
Detector	2048 pixels
Pixel size	14 µm x 200 µm
Detector range	380-780nm
Aperture	2°
Shutter	Mechanical
A/D Resolution	16 bit
Dynamic range	1300:1 for a single acquisition
Integration time	1ms - 65s
Linearity	>99%

*For A illuminant and against NIST Luminance standard

**The Qalif Ultimate also exists without spectro, ask for the Imager version
Microphone optional



Contact



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