

# Isolight Color

Light Meter System



Patents Pending

**Quickly and accurately measure light level, uniformity, and exposure time for faster setup, consistent results, and better image quality**

## Features

- Four cosine-corrected, autoranging color sensors
- Measures light level and uniformity in Lux
- Measures color in CCT (K) and Yxy coordinates
- 100 LED chaser display measures exposure time, frame-rate jitter, and audio/video synchronization
- Versatile mounting for light box, wall, table, & tripod use
- USB interface for remote or automated operation

## Applications

- Camera and algorithm characterization and testing
- Studio camera and lighting calibration
- Verify conformance to industry standards (MS Lync, Skype) or customer specifications
- Customer or tradeshow demos
- Competitive analysis and comparison image setup
- Camera production test systems



# Peripheral Vision

Camera design services  
[www.pv-imaging.com](http://www.pv-imaging.com)

- Component selection and sourcing
- ISP tuning and image quality testing
- Sensor and camera characterization
- Hardware and driver development

# Isolight Color

Light Meter System

Four autoranging sensors each measure both full color (CIEXYZ response) and incident light from 0.1 lux to 1.0Mlux for light level and uniformity measurements. Color is reported as CCT (in K) and in Yxy chromaticity coordinates



Pop-up clips securely hold test charts. Clips rotate to release charts for quick changes and repeatable positioning or retract flat for use with larger charts

Programmable backlit LCD display for graphical or measurement value readout and configuration

Four programmable presets for standardized configurations (MS Lync, Skype, etc.)



Multiple mounting options:

- Light Booth - magnets for quick and secure mounting
- Wall - built-in keyhole slots
- Table-top - built-in foldout legs
- Tripod - back and bottom mounts

100 LED chaser for measuring exposure time, frame rate, frame jitter, and identifying multiple images

- Programmable LED emphasis mode simplifies LED counting
- Audio/video synchronization testing support

- Set LED step times from 0.1 ms to 1.0s and display cycle times from 10ms to 100s



User-programmable multi-color LED indicators around each sensor clearly show when the light level is too low, too high, or within the target range. Select from multiple combinations of colors, blinking, and on/off modes to suit your application

Auto brightness mode for LED and LCD backlight adapts brightness to ambient light level, or manually set brightness

Backlit keys for easy operation even in low light

Optional XBee interface enables wireless remote operation

USB port supports remote data acquisition and automated control

Flexible power, including DC adapter, USB, 3 or 6 AAA batteries

Dimensions: 13.6in x 11.6in x 0.8in  
Size: (345mm x 295mm x 21mm)



**Peripheral Vision**

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