SpectrALL
Tunable Spectral Calibration Sources

Continuous improvement in imaging and sensing sensors demands ever better calibration tools. More and more businesses rely on modern measurement practices to be competitive and outstanding. We provide the knowledge, reliable equipment and services to empower your company for success today and into the future.

MEASURE any light source
CREATE any spectrum
REFLECT any wavelength
Spectra-PT Power Tunable
Spectral Calibration Sources

High dynamic range test and calibration of imaging and non-imaging devices

Types of test
- Luminance Responsivity
- Image Validation and Correction
- Uniformity
- Flat Fielding
- Variable CCT

Ideal for calibrating
- CCD and CMOS cameras
- Small area remote sensing devices
- Electronic imaging devices
- Medical endoscopes
- Ambient light sensors
- Security cameras

Spectra-CT Color Tunable
LED Spectral Calibration Sources

Ideal for flat-fielding applications
Spectra-FT Fine Tunable
VIS-NIR Spectral Calibration Sources

Accurately reproduce almost any spectrum from 390 nm to 1000 nm

Correct vignetting and aberrations inherent with fisheye lensed imaging systems

Perform color balance over a wide range of spectral responses

Save time and space with RGB and multiple integrated illuminant spectrums from one source

Streamline quantum efficiency testing with compact robust designs featuring no moving parts

Shorten time between R&D and production with multiple design, adaptable firmware and triggering
Spectra-UT Ultra Tunable
Spectral Calibration Sources

Delivers unprecedented spectral matching resolution

Unmatched programmable high resolution spectral outputs

Unlimited spectral reproduction over the visible range

Accurately simulated OLED, MicroLED and LED displays

Simulate RGB and broadband backlighting

Reproduce indoor lighting conditions

Spectrally pure, avoid channel cross talk in multicoloring imaging

Traceable calibrations with integrated QTH calibration lamp and spectrometer
Spectra-QT Quantum Tunable
Irradiance/Radiance Calibration Source

Characterize spectral responsivity and quantum efficiency of your image sensors and camera modules

Turnkey calibration systems to get your products to market faster, saving you time and effort

Ideal solution for testing optical sensors for quantum efficiency and linearity over a large dynamic range

Sensor performance is sensitive to f/#. Differentiate your products with the highest uniformity across the sensor over a broad range of f/#s

Results you can trust with real-time spectral output monitoring and NIST traceability

Software Development Kit for rapid development of user defined test protocols and source/sensor synchronization

Typical Maximum Spectral Irradiance/Radiance Levels
Industries & Markets We Serve

Internationally recognized companies utilize our technology each and every day. Learn how we can help your business today.

Lighting
Aerospace & Defense
Image Sensors
Automotive & Transportation
Research & Development
Consumer Electronics
Industrial Photonics
Medical & Lifescience
Cosmetics & Sun Protection
Telecommunications