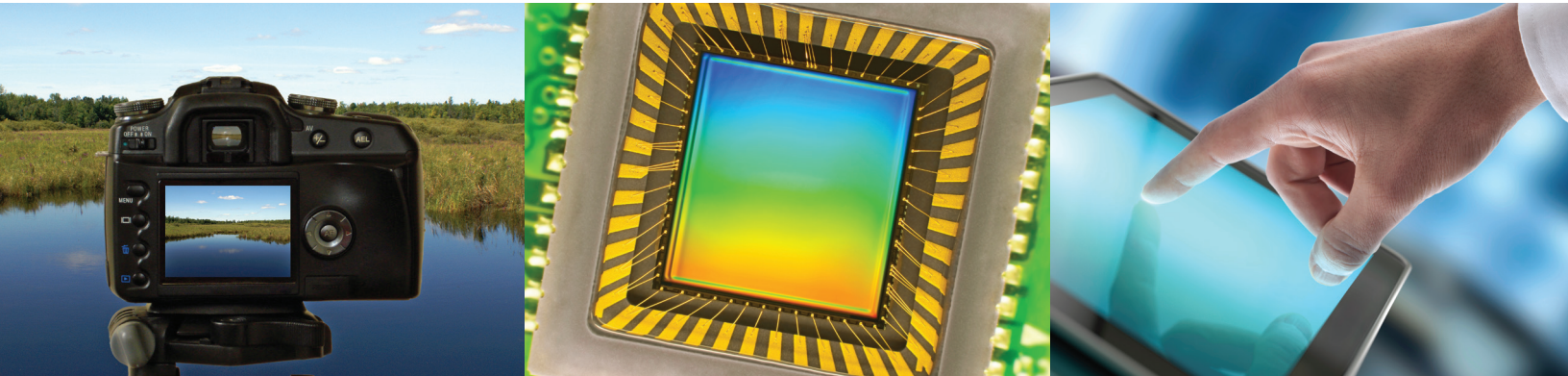# SpectrALL
Tunable Spectral Calibration Sources

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
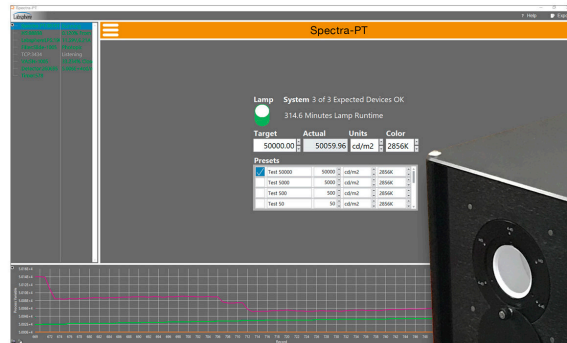and into the future.

Labsphere
advancing the technology of light

MEASURE	**CREATE**	**REFLECT**
any light source	any spectrum	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
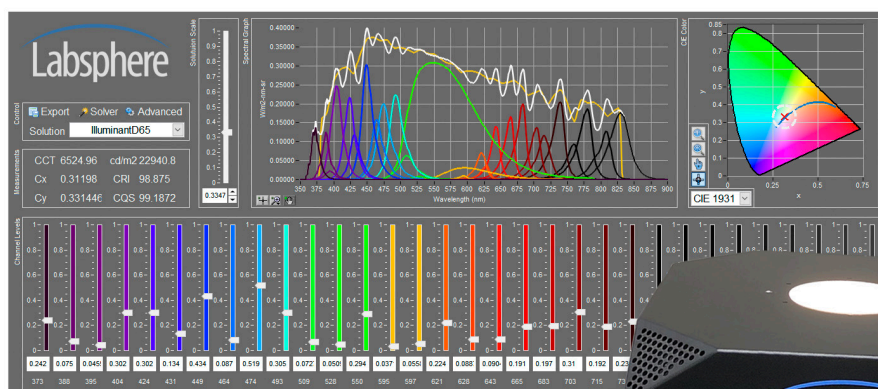## LED Spectral Calibration Sources

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

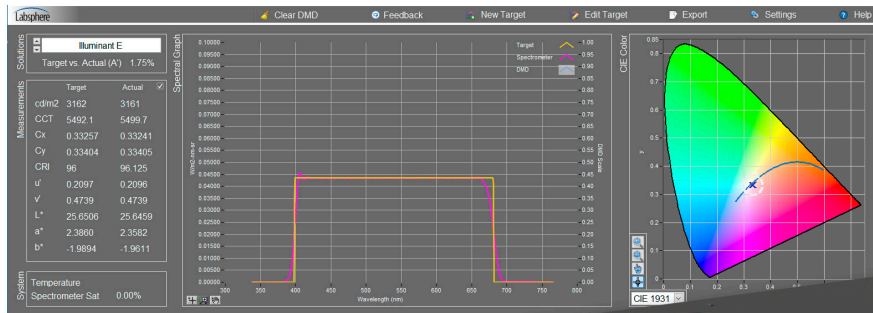Correct vignetting and aberrations inherent with fisheye lensed imaging systems

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 configurations, 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
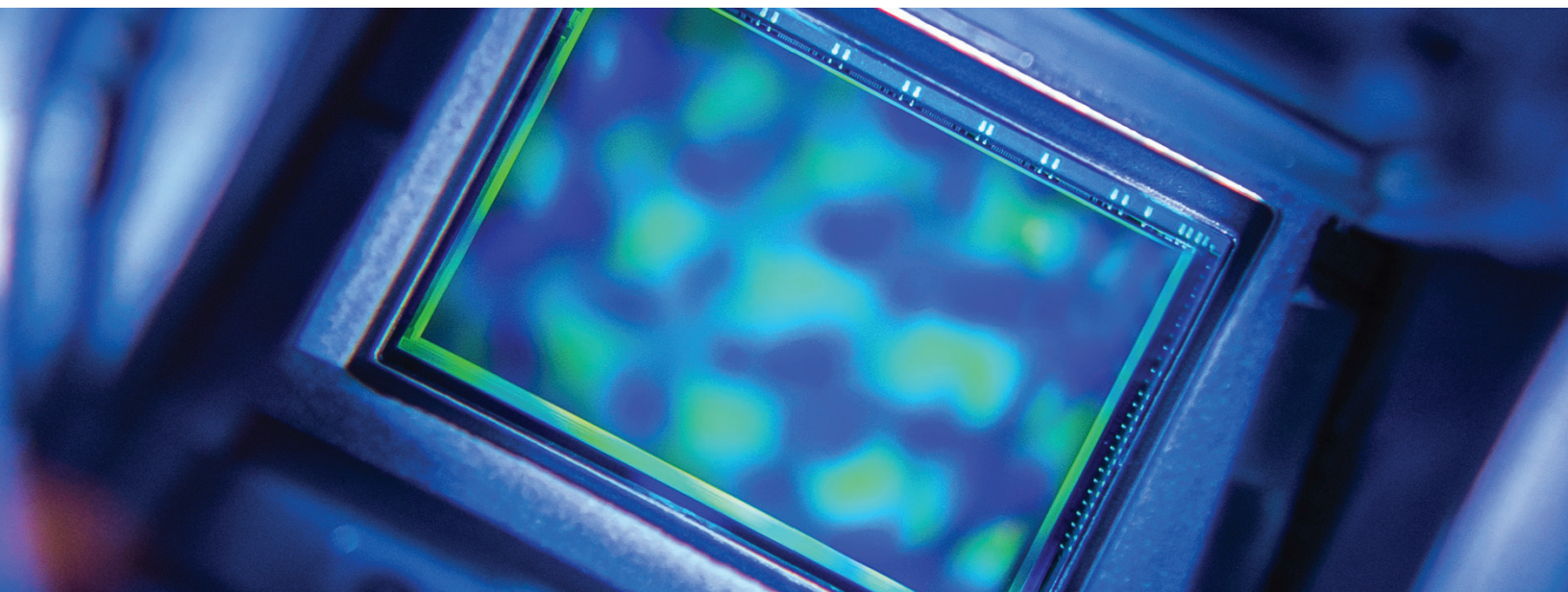the visible range

Accurately simulated OLED, MicroLED
and LED displays

Simulate RGB and broadband backlighting

Reproduce indoor lighting conditions

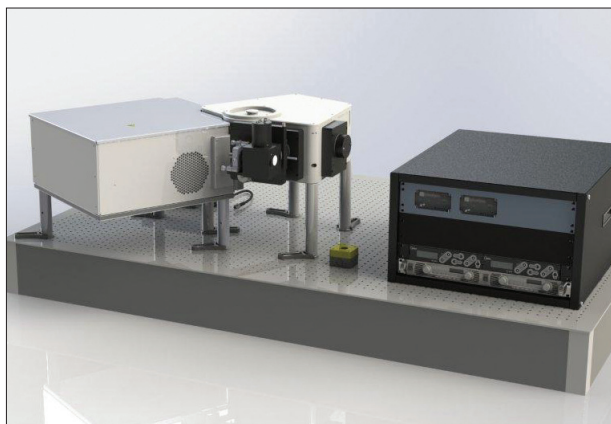Spectrally pure, avoid channel cross talk
in multicoloring imaging

Traceable calibrations with integrated
QTH calibration lamp and spectrometer

Spectra-QT Quantum Tunable
Irradiance/Radiance Calibration Source

Typical Maximum Spectral Irradiance/Radiance Levels

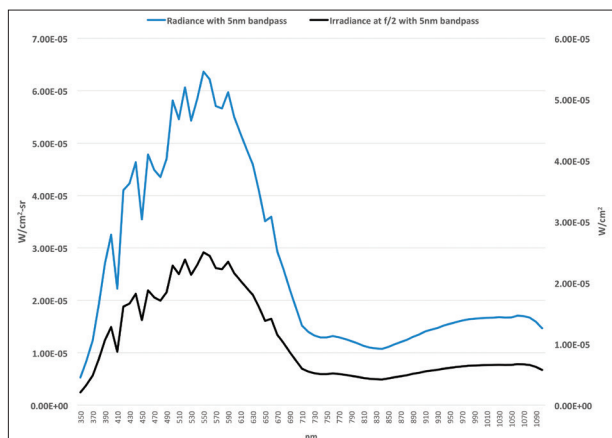Characterize spectral responsivity and quantum efficiency of your image sensors and camera modules

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

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

Labsphere

advancing the technology of light

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