

# Press Release

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January 10, 2017

## New: Spectroradiometer - Ultra High Resolution and Portable

Spectral Evolution (SE) presents a new ultra high resolution portable spectroradiometer, the SR-6500.

The device is most useful, where the ability to see and save additional information about fine absorbance and reflectance features is critical. Inside a small rugged chassis with less than 5 kg of total weight, the unit consists of three thermoelectrically cooled photodiode arrays for the ultimate in stable performance. Using a 1024 pixel silicon, combined with a 512 pixel InGaAs and a 512 pixel extended InGaAs detector array, it is ideal for capturing high resolution scans of minerals e.g. of samples from geological exploration.

The spectroradiometer SR-6500 covers the full VNIR-SWIR spectral range from 350 nm - 2500 nm. Using cooled diode arrays allows an outstanding stability in combination with ultra high resolution. The VNIR is covered by a full width half maximum (FWHM) of 1.5 nm@700 nm, followed by the SWIR with a FWHM of 3.0 nm@1500 nm and FWHM of 3.8 nm@2100 nm. The spectroradiometer SR-6500 will be delivered with a NIST traceable radiometric calibration.

For the usage in laboratory and field, there is a variety of accessories, which allows the user to easily adapt the unit for applications going from agriculture and soil, to mineral identification, into even industrial material analysis.

Please contact us directly for further information.



**Ultra high resolution, portable spectroradiometer** from Spectral Evolution

More information:  
<http://sphereoptics.de/en/new-spectroradiometer-ultra-high-resolution-and-portable/>