



For Immediate Release

Avantes introduces new AvaSpec SensLine High Sensitivity Spectrometers

High Quantum Efficiency Spectrometers for demanding applications

Eerbeek, The Netherlands Avantes BV - Avantes, a leading company in the field of fiber optic spectroscopy, is pleased to announce the introduction of a complete new line of high sensitivity spectrometers, the AvaSpec SensLine. This new product line will be launched at Photonics West in January 2011 in San Francisco, California.

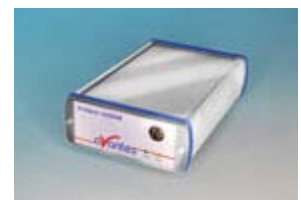
The new line of high performance, high sensitivity spectrometers is designed for customers with demanding applications. The Sensline features high quantum efficiency, back-thinned CCD detectors along with Avantes Ultra low Straylight optical bench. The initial products released in this line are the **AvaSpec-ULS2048x16-USB2** and **AvaSpec-ULS 2048x64-USB2**.

The **AvaSpec-ULS2048x16-USB2** features a high-speed backthinned CCD detector with high quantum efficiency for measurements in the UV to NIR range (200-1160nm). The effective detector height with 16 pixels of 14µm is 224µm and the pixels are vertically binned. Relative to the AvaSpec-ULS2048x14-USB2, Avantes first back-thinned CCD spectrometer, the new AvaSpec-ULS2048x16-USB2 supports much faster integration times (min 0.91 ms), has improved dark noise, better etaloning, better anti-blooming and better dynamic range. The new **AvaSpec-ULS2048x64-USB2** has an even higher detector height with 64 pixels of 14µm, vertically binned to an effective detector height of 900µm, resulting in 4 times higher sensitivity. The **AvaSpec-ULS2048x64-USB2** supports fast 1.75 ms integration times and has similar dark noise, reduced etaloning, anti-blooming and dynamic range specifications as the 2048X16.

Common applications for the AvaSpec Sensline spectrometers are those requiring high sensitivity light detection such as fluorescence spectroscopy and low light-level detection applications. Full specifications and demo instruments will be available at Photonics West 2011. Interested parties should visit us at booth 2131.

For additional information about Avantes' products and services or to request Avantes' Solutions in Spectroscopy® catalogue VII, please visit the Avantes site at www.avantes.com or email to info@avantes.com or in North America infoUSA@avantes.com.

Avantes exhibits: • • Photonics West, San Francisco, USA(22 - 27 Jan 2011), Booth 2131





AVANTES develops and manufactures products in the field of spectroscopy, such as spectrometers, light sources, software, fiber optic cables and probes, accessories and fiber optic sensor systems. With over 15 years of experience in solutions in spectroscopy, **AVANTES** continues to produce innovative applications in diverse fields including industrial, chemical, petrochemical, gemology, biomedical, semiconductor, and food processing technology.

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