

# AVANTES' EVO SERIES

Avantes is proud to announce the latest additions to our EVO series spectrometers in UV/VIS and NIR range:

## EVO series; why?

With the introduction of the AS7010 electronics board, Avantes brought new and improved functionality to their spectrometers. This Electronics board brings USB3 and Ethernet communication options to you. This is enabling faster data speeds, longer distances and network integration for your application. Improved electronics delivers more noise-free signals for your measurements and the on-board memory capabilities ensure plenty of capabilities for future features. Spectrometers using this AS7010 electronics platform are the next EVOLutionary step in spectrometry. Avantes bundled these series of spectrometers in the EVO family of products which are described in this brochure.

## CMOS and CCD

Avantes offers a broad range of spectrometers with different detector technologies..

For our Starline spectrometers the standard Si CCD technology was the dominant technology for years.

However this dominant position is losing ground to CMOS technology. Being ready for the future Avantes embraced the CMOS technology in an early stage and now offers this latest state of the art technology as the new standard to you.

For the NIRline spectrometers we use InGaAs detectors and for the Sensline Backthinned CCD detectors.



## EVO Series; UV/VIS spectrometer AvaSpec-ULS2048CL-EVO

GigaEthernet and USB3.0 communication, more memory and fast data processing. Using the latest CMOS technology, this spectrometer offers you the latest technology; ready for the next decade!

## Timing and Triggering

A lot of applications require for a spectrometer to be triggered at a time sensitive moment. For example when you are measuring in production lines, or pulsed/ flashed events like solar simulators or led measurements .

State of the art electronics in combination with the right detector choice will provide you with an excellent tool for continuous, repetitive, stable measurements.

Since decades Avantes spectrometers are well known for their excellent timing and trigger performance.



## AvaSpec-HERO

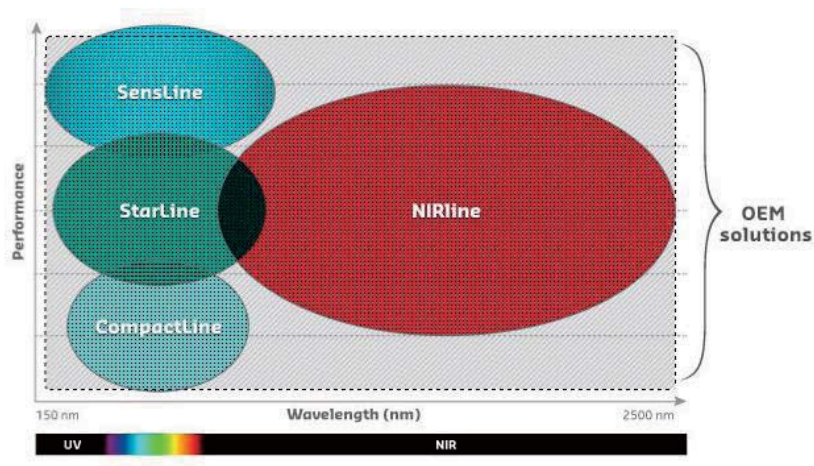
The AvaSpec-HERO is the answer for those who are in need of high resolution and high sensitivity! It combines high end cooled backthinned detector technology , a 100mm symmetrical Czerny Turner optical bench and state of the art electronics to enable you to measure noise free signals in a demanding environment. The ideal choice in the EVO series. A real Hero for your application!

## EVOLutionary spectroscopy:

- SPEED
- NETWORK INTEGRATION
- MULTICHANNEL BENEFITS

# EVO SERIES

## Overview of our Product Lines



## EVO series in our Product Lines

Productlines		
Starline	Sensline	NIRline
AvaSpec-ULS2048CL-EVO	AvaSpec-HERO	AvaSpec-NIR256/512-1.7-EVO
AvaSpec-ULS4096CL-EVO	AvaSpec-ULS2048XL-EVO	AvaSpec-NIR256/512-1.7-HSC-EVO
AvaSpec-ULS2048L-EVO	AvaSpec-HS2048XL-EVO	AvaSpec-NIR256/512-2.5-HSC-EVO



**USB 3.0**



**Gigabit Ethernet**



**More memory**

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