

**AVANTES** x *nir*  
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# EXPAND YOUR RANGE



Unlock MIR spectral information  
in real time with Avantes  
VIS/NIR Spectrometer

## Convert MID-IR to VIS/NIR with NLIR's Wavelength Converter

- 1.9 – 5.3  $\mu\text{m}$  Optical bandwidth input
- 682 – 886 nm Optical bandwidth output
- 2.5  $\text{cm}^{-1}$  Conversion resolution
- $2 \times 10^{-4}$  Conversion efficiency
- 120  $\text{fW/nm}$  Output noise spectral density (682 – 886 nm)



**SPEKTRUM Wavelength Converter**



The SPEKTRUM Wavelength Converter converts light in the broadband range of 1.9 – 5.3  $\mu\text{m}$  to VIS/NIR broadband wavelength of 682 – 886 nm.

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**AvaSpec-VRS4096CL-EVO**  
(VARIUS™)

## Read MID IR Spectra with Avantes Spectrometer

- 682 nm – 886 nm Output range
- Signal to noise: 365:1
- Grating: 1200 lines/mm, blaze 750 nm
- Replaceable slit option
- USB-3 or gigabit ethernet communication

Get in touch with us for more information!



Reach out to NLIR:  
[www.nlir.com/contact](http://www.nlir.com/contact)



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[www.avantesusa.com/contact](http://www.avantesusa.com/contact)