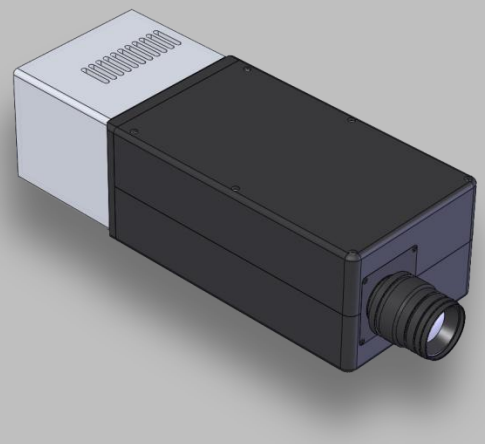
Pika NIR

900 to 1700 nm Spatial and Spectral Imager

The Pika NIR provides infrared spectral images for the 900 – 1,700 nm spectral range. This compact imaging spectrometer has a Camera-Link interface, and comes with SpectrononPro data acquisition and analysis software.



Imaging Spectrometer

The Pika NIR is a line-scan hyperspectral imager that creates a streaming image of pixel-by-pixel spectral data. This provides a powerful tool for image analysis and object classification.

Spectral Range

The Pika II has a spectral range of 900 to 1700 nm. For wavelengths of 400 to 900 nm please see Resonon's Pika II.

Robust

Simple, robust and efficient designs make Resonon imaging systems the best overall value in the market.

Low Distortion

With peak-to-peak smile distortion of less than 3.0 µm and keystone distortion of less than 3.0 µm Resonon provides excellent performance and stability.

Plug and Play

SpectrononPro data acquisition software is provided with the Pika NIR, which integrates seamlessly with optional scanning systems.

Adaptable

Designed to work with C-mount Navitar objective lenses, the Pika NIR is easily adapted to a wide range of applications. See Resonon's Objective Lens Datasheet for details.

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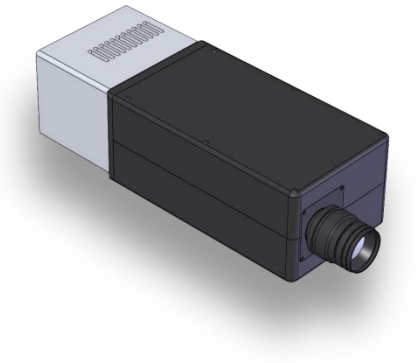

Pika NIR Hyperspectral Imager

Specifications

Performance	
Spectral Range	900 nm to 1700 nm[1,2]
Spectral Resolution	5.5 nm
Spectral Channels	145
Average RMS Spot Radius	8 µm
Cross-track channels	320
F/#	f/1.8
Smile (peak to peak)	< 3.0 µm
Keystone (peak to peak)	< 3.0 µm
Bit Depth	14 bits
Frame rate	100 fps [3]
Physical Dimensions	
Weight	10.4 pounds 4.72 kgs
Dimensions[4]	4.7 x 12.0 x 3.5 in. 119 x 305 x 89 mm
Connections	
	USB

[1] Spectral range within + / - 5 nm.

[2] Yearly spectral calibration recommended in normal environments. For unusual environments, contact Resonon

[3] Frame rate can be higher dependent on spectral range used.

[4] Does not include objective lens.

Contact

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