

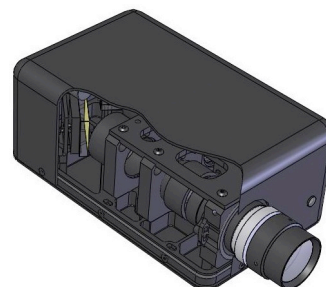
PIKA HR

High Spectral-Resolution Custom Imaging Spectrometer

The Pika HR is a custom, cost-effective, high spectral-resolution spectral imager. Resonon's expertise in optics, mechanics, electronics and software allows us to build turnkey custom spectral imagers with short lead-times.

In 12 weeks we can provide an imaging spectrometer with 0.4-0.5 nm spectral resolution for any 100 nm band within the 400–1000 nm wavelength range.

SpectrononPro acquisition and analysis software is included. Optional scanning stages are available.



Property	Specification
Spectral Range	Any 100 nm band in the 400-1000 nm wavelength range.
Spectral Resolution	0.4-0.5 nm Resolutions up to 0.1 nm are available.
Spectral Channels	240
Weight	2.3 lbs
Dimensions	4 x 6.5 x 2.75 in
Interface	Firewire 800 (IEEE 1394b)
Average RMS Spot Radius	7 μ m
Cross-track channels	320
F/#	f/4
Smile and Keystone	< 1/2 channel each
Bit Depth and Frame Rate	12 bits @ 145 fps Higher fps available with windowing.
Software	Spectronon Pro Hyperspectral data acquisition & analysis