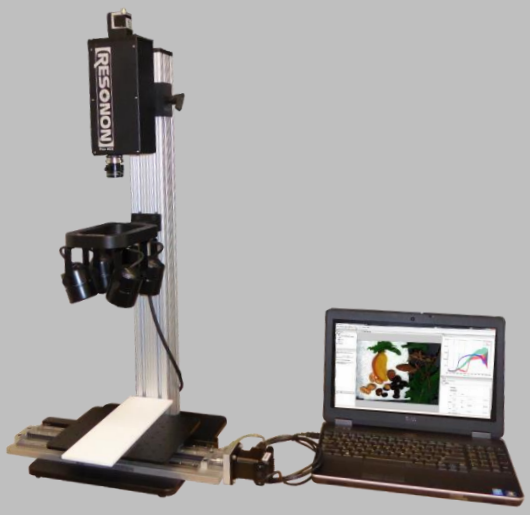
www.resonon.com
inquiry@resonon.com
1.406.586.3356

Hyperspectral Imaging Systems



Affordable hyperspectral imaging systems for laboratory and outdoor applications.

Resonon's hyperspectral imaging systems are fully integrated plug-and-play solutions, with all hardware and software necessary to acquire and analyze hyperspectral data.

Benchtop System

For laboratory use

System components:

- Hyperspectral imaging camera
- Linear translation stage
- Mounting tower
- Stabilized lighting assembly
- Data acquisition computer with software

Positions of imager and lighting assembly are adjustable along the length of the tower.

Outdoor Field System

Tripod mounted scanning system

System components:

- Hyperspectral imaging camera
- Rotational scanning stage
- Tripod with tray for laptop computer
- Power supply
- Data acquisition computer with software
- Travel case

- Hyperspectral cameras can be purchased alone or as components in our turnkey hyperspectral imaging systems.
- A C++ software development kit is available for the Pika L and Pika XC2 in Windows and Linux.
- Sample data and user-friendly data analysis software are available for free download at ***www.downloads.resonon.com***.

Multiple options are available for each configuration. Please contact us to discuss your requirements.

Visit www.resonon.com for complete product specifications.

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Hyperspectral Camera Options

Resonon's systems can be fitted with any of Resonon's hyperspectral imaging cameras, covering the 350 – 1700 nm spectral range.

	Pika L	Pika XC2	Pika NIR	Pika NUV
Spectral Range (*nm*)	400 – 1000	400 – 1000	900 – 1700	350 – 800
Spectral Resolution (*nm*)	3.2	1.3	5.5	2.5
Spectral Channels	185	450	145	184
Spatial Channels	850	1500	320	1600
Max Frame Rate (*fps*)	187	171	180	67
Bit Depth	12	12	14	12

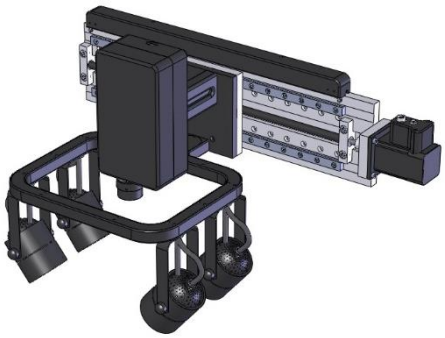
Multiple objective lens options are available. See our website at ***www.resonon.com/Products/lenses.html*** for more information.

Benchtop System Stage Options

Standard Linear Stage

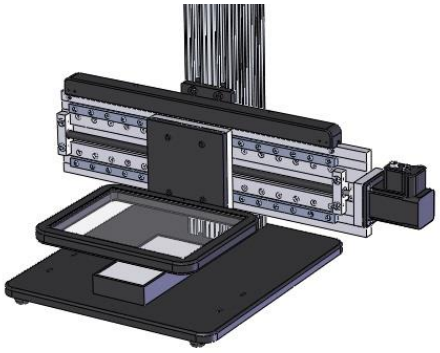
The linear stage holds the sample and translates across the field of view. Used for small samples that are easy to move.

Lighting & Imager Stage



The imager and lighting assembly are mounted to the standard translation stage. Used to scan stationary objects.

Backlight Stage



Backlighting with a clear stage platform. Often used to scan biological samples.

About Resonon

Founded in 2002, Resonon is located in Bozeman, Montana in the heart of the Rocky Mountains. We provide the industry's most affordable turnkey hyperspectral imaging systems, as well as custom solutions for complex hyperspectral and optical applications. Our hyperspectral imaging cameras are lightweight, easy to use, have low stray light, low distortions, high SNR, and excellent image quality.

Resonon is partnered with distributors around the world. Contact us to discuss your technical requirements.

Visit www.resonon.com for complete product specifications.