RESONON

Hyperspectral Imaging Systems

Complete 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

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

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

www.resonon.com **inquiry@resonon.com** **+1.406.586.3356**

Hyperspectral Camera Options

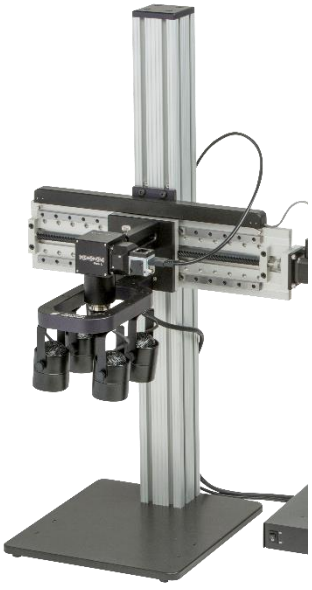
	Pika L	Pika XC2	Pika NIR-320	Pika NIR-640	Pika NUV
Spectral Range (*nm*)	400 – 1000	400 – 1000	900 – 1700	900-1700	350 – 800
Spectral Resolution (*nm*)	2.1	1.3	4.9	2.5	2.3
Spectral Channels	281	447	164	328	196
Spatial Channels	900	1600	320	640	1600
Max Frame Rate (*fps*)	249	165	520	249	165
Bit Depth	12	12	14	14	12

Benchtop System Stage Options

Standard Linear Stage

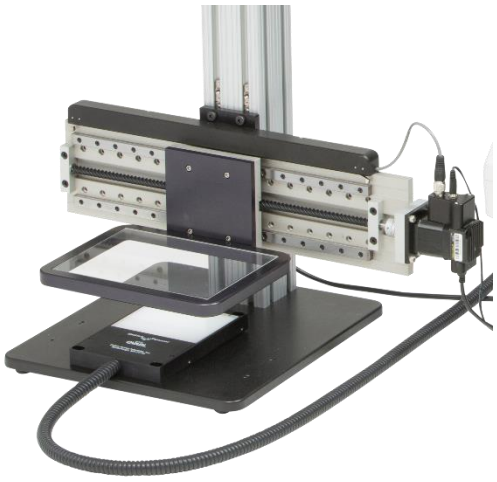
The linear stage holds the sample and translates across the field of view. Used for small samples that are easy to move.

Lighting & Imager Stage



The imager and lighting assembly are mounted to the translation stage, which is mounted on the tower. Used to scan stationary objects.

Backlight Stage



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

- Sample data and hyperspectral analysis software are available for free download at ***www.downloads.resonon.com***.
- A C++ software development kit is available for direct control of our hyperspectral cameras.

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