

Hyperspectral Imaging Cameras

Lightweight, compact, high-precision hyperspectral cameras for laboratory, outdoor, industrial, and remote sensing applications.

Our hyperspectral cameras are easy to use and provide excellent image quality.



Pika L

Lightweight, compact, ideal for airborne remote sensing applications.



Pika XC2

High-performance VNIR hyperspectral imager with very high spatial resolution and superior image quality.



Pika NIR-320

Hyperspectral imaging camera covering the near infrared spectral range.



Pika NIR-640

High-precision infrared hyperspectral imaging camera. High spectral and spatial resolutions.



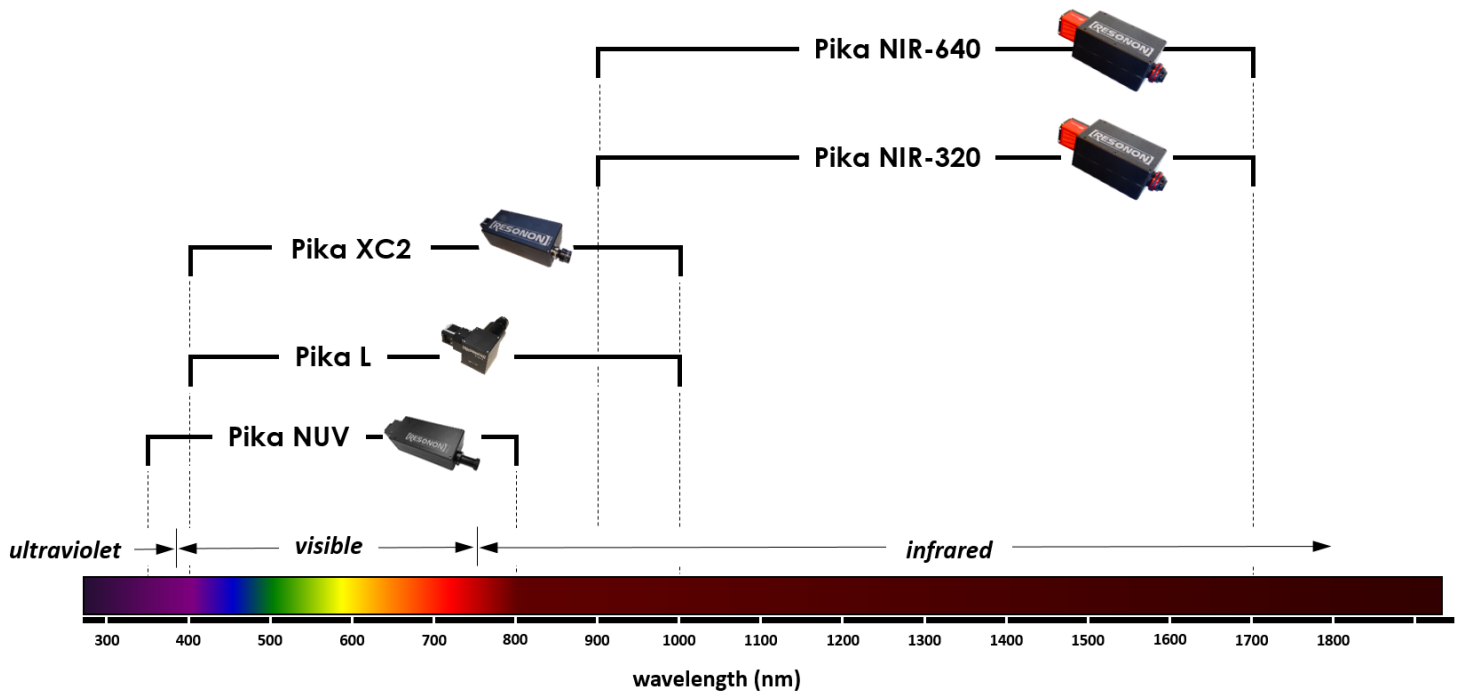
Pika NUV

Near-ultraviolet hyperspectral imager. High spatial resolution. Includes custom objective lens optimized for ultraviolet imaging.

Imager Specifications

	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
Weight (lb / kg)	1.3 / 0.6	4.9 / 2.2	5.9 / 2.7	5.9 / 2.7	4.7 / 2.1
Dimensions (cm)	10.0 x 12.5 x 5.3	10.1 x 27.5 x 7.4	11.0 x 29.6 x 8.9	11.0 x 29.6 x 8.9	10.1 x 26.4 x 7.4
Connection Type	USB 3.0	USB 3.0	GigE	GigE	USB 3.0
Operating Temperature (°F / C)	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40
f/#	2.4	2.4	1.8	1.8	2.4
Pixel size (μm)	5.86	5.86	30	15	5.86
Avg. RMS Spot Radius (μm)	6	6	10	10	8
Smile (peak-to-peak) (μm)	4	4	10	10	4
Keystone (peak-to-peak) (μm)	5	5	10	10	6

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



- Hyperspectral cameras can be purchased alone or as components in complete hyperspectral imaging systems.
- 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.
- **Please contact us** for additional information.