

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 (400 – 1000 nm)

Lightweight, compact, ideal for airborne remote sensing applications.



Pika XC2 (400 – 1000 nm)

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



Pika NIR (900 – 1700 nm)

Hyperspectral imaging camera covering the near infrared spectral range.



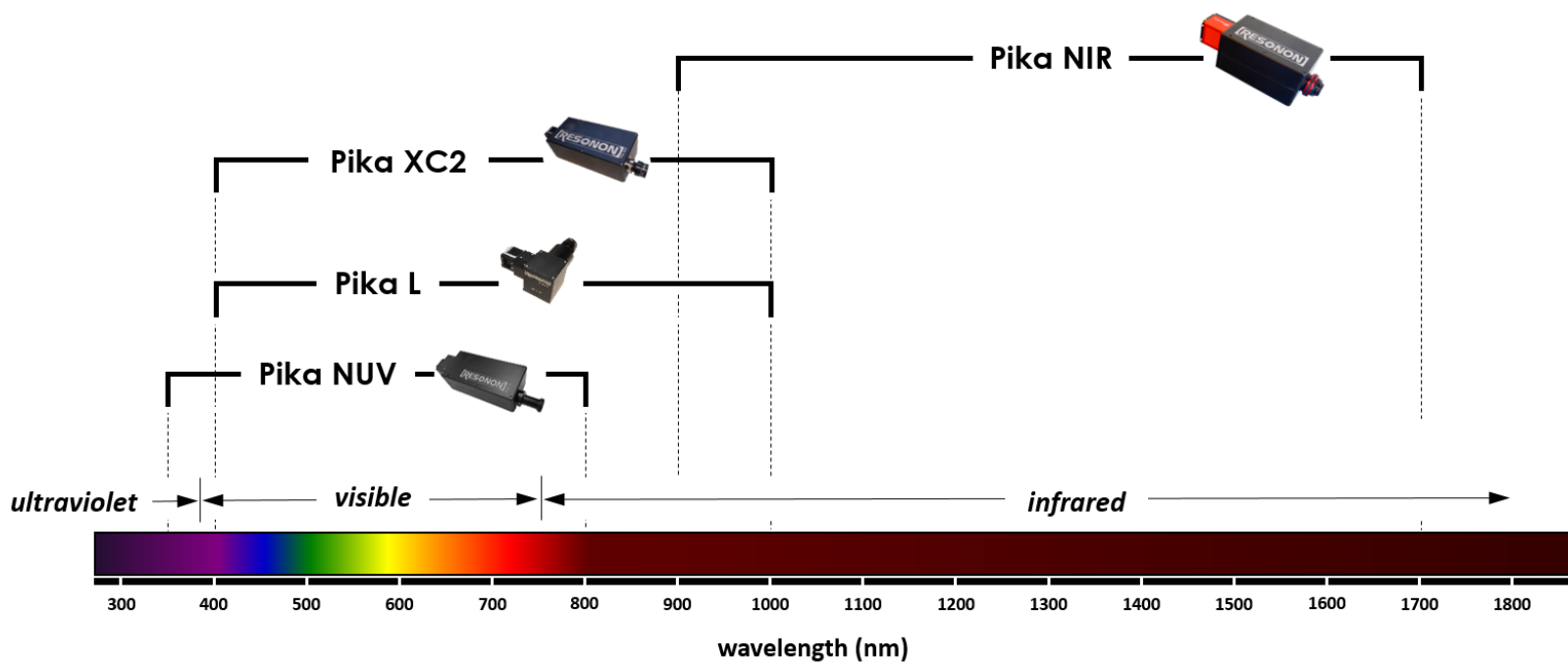
Pika NUV (350 – 800 nm)

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

Imager Specifications

	Pika L	Pika XC2	Pika NIR	Pika NUV
Spectral Range (nm)	400 – 1000	400 – 1000	900 – 1700	350 – 800
Spectral Resolution (nm)	2.1	1.3	4.9	2.3
Spectral Channels	281	447	164	196
Spatial Channels	900	1600	320	1600
Max Frame Rate (fps)	249	165	520	165
Bit Depth	12	12	14	12
Weight (lb / kg)	1.3 / 0.6	4.9 / 2.2	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	10.1 x 26.4 x 7.4
Connection Type	USB 3.0	USB 3.0	GigE	USB 3.0
Operating Temperature (°F / C)	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40
f/#	2.4	2.4	1.8	2.4
Pixel size (μm)	5.86	5.86	30	5.86
Avg. RMS Spot Radius (μm)	6	6	10	8
Smile (peak-to-peak) (μm)	4	4	10	4
Keystone (peak-to-peak) (μm)	5	5	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 our turnkey hyperspectral imaging systems.
- A C++ software development kit is available in Windows and Linux.
- Sample data and user-friendly data analysis software are available for free download at www.downloads.resonon.com.
- **Please contact us** for additional information.