

## 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.



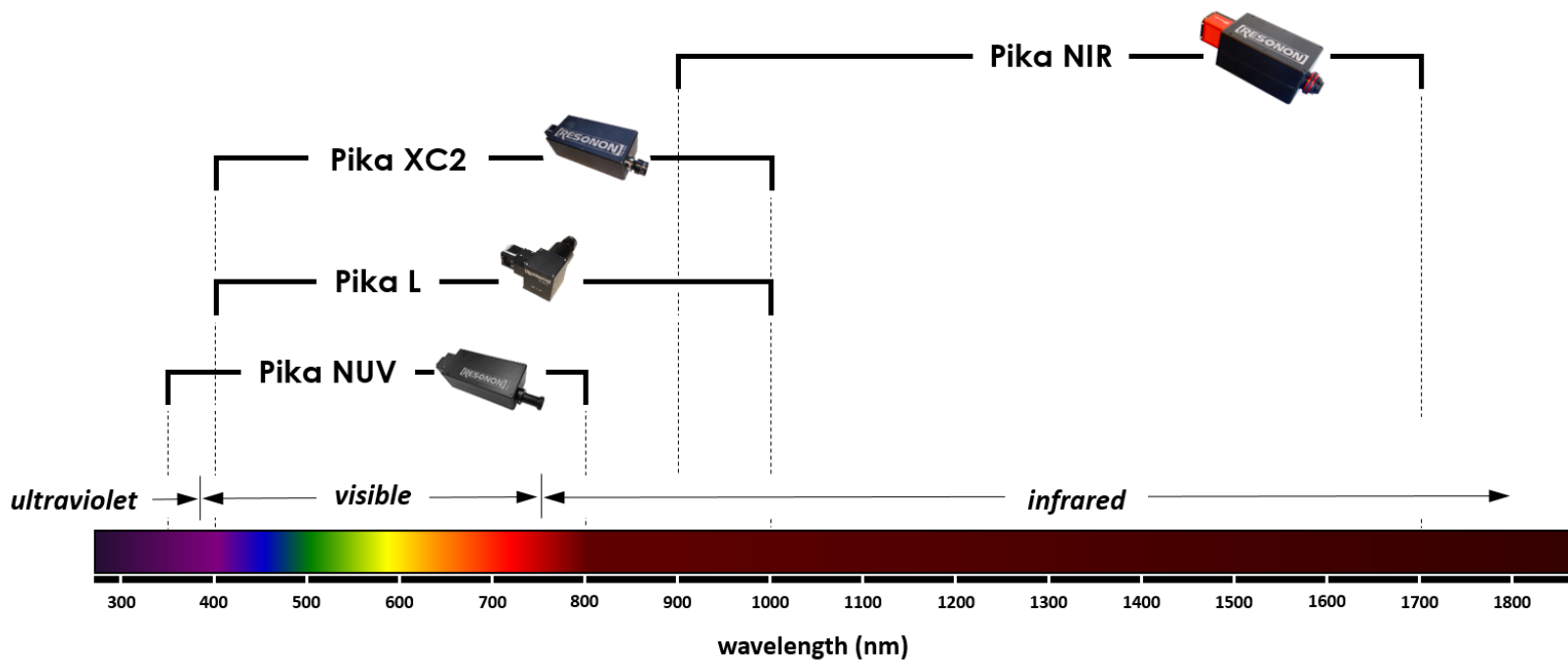
### **Pika NUV** (350 – 800 nm)

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
<b>Spectral Range (nm)</b>	400 – 1000	400 – 1000	900 – 1700	350 – 800
<b>Spectral Resolution (nm)</b>	2.1	1.3	4.9	2.3
<b>Spectral Channels</b>	281	447	164	196
<b>Spatial Channels</b>	900	1600	320	1600
<b>Max Frame Rate (fps)</b>	249	165	520	165
<b>Bit Depth</b>	12	12	14	12
<b>Weight (lb / kg)</b>	1.3 / 0.6	4.9 / 2.2	5.9 / 2.7	4.7 / 2.1
<b>Dimensions (cm)</b>	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
<b>Connection Type</b>	USB 3.0	USB 3.0	GigE	USB 3.0
<b>Operating Temperature (°F / C)</b>	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40
<b>f/#</b>	2.4	2.4	1.8	2.4
<b>Pixel size (μm)</b>	5.86	5.86	30	5.86
<b>Avg. RMS Spot Radius (μm)</b>	6	6	10	8
<b>Smile (peak-to-peak) (μm)</b>	4	4	10	4
<b>Keystone (peak-to-peak) (μm)</b>	5	5	10	6

Multiple objective lens options are available. See our website at [www.resonon.com/Products/lenses.html](http://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 for direct control of our hyperspectral cameras.
- Sample data and hyperspectral analysis software are available for free download at [www.downloads.resonon.com](http://www.downloads.resonon.com).
- **Please contact us** for additional information.