

Hyperspectral Imaging Cameras

Lightweight, compact, affordable hyperspectral cameras for benchtop, outdoor, industrial, and airborne applications.

Our hyperspectral cameras are easy to use and have low stray light, low distortions, high SNR, and excellent image quality.



Pika L (400 – 1000 nm)

Our most affordable hyperspectral camera. Lightweight, compact, ideal for 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.



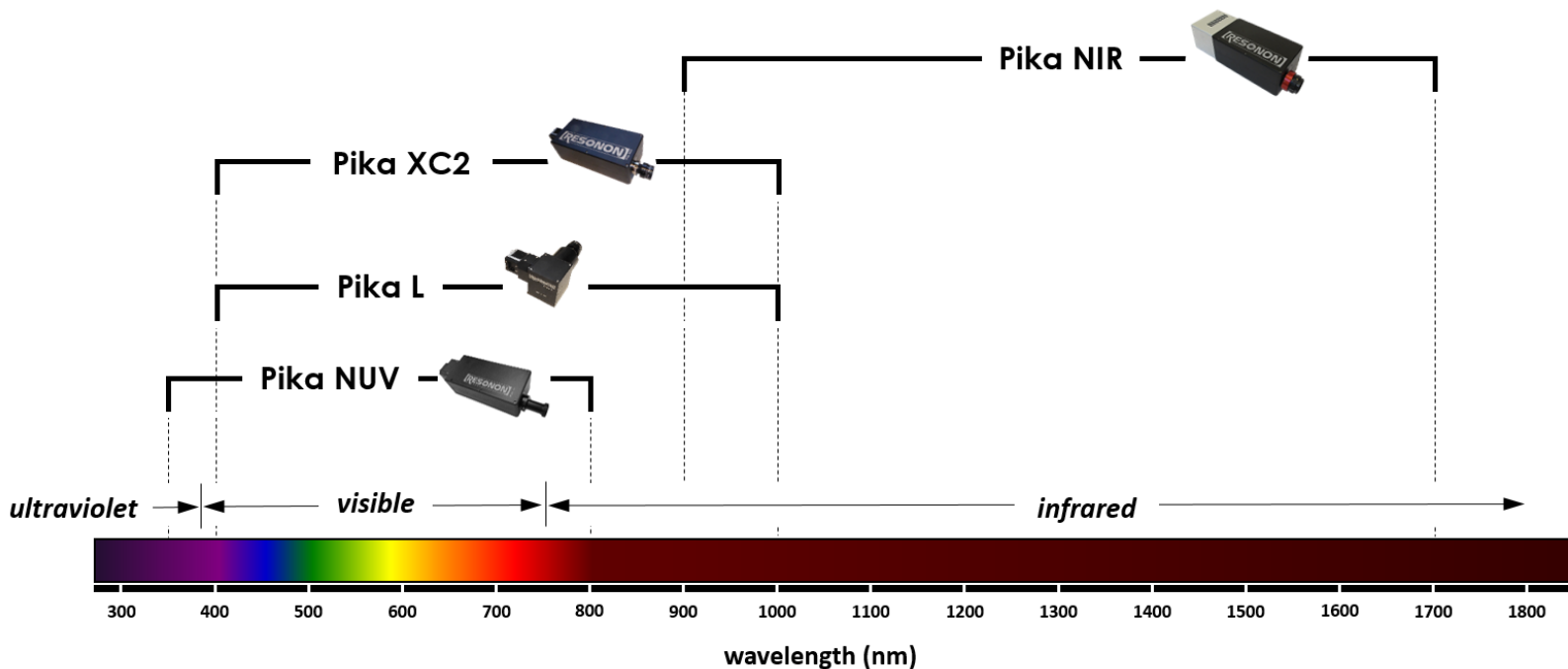
Pika NUV (350 – 800 nm)

Near-ultraviolet hyperspectral imager. High spatial resolution. Includes custom high-performance 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)	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
Weight (lb / kg)	1.3 / 0.6	4.9 / 2.2	9.6 / 4.4	4.7 / 2.1
Dimensions (cm)	10.0 x 12.5 x 5.3	10.1 x 27.5 x 7.4	11.9 x 30.5 x 8.9	10.0 x 26.4 x 7.3
Connection Type	USB3	USB3	USB, CameraLink	CameraLink
Temperature Range (°F / C)	32-113, 0-45	32-113, 0-45	32-122, 0-50	32-113, 0-45
f/#	2.4	2.4	1.8	2.4
Pixel size (µm)	5.9	5.9	30	5.5
Avg. RMS Spot Radius (µm)	6	6	10	8
Smile (peak-to-peak) (µm)	4	2	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 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.
- **Contact us** for additional information.