

RESONON

HYPERSPECTRAL IMAGING CAMERAS

For laboratory, outdoor, industrial, and remote sensing applications.
Our hyperspectral cameras are easy to use and provide excellent image quality.



PIKA XC2

400 - 1000 nm

High-performance VNIR hyperspectral imager with high spatial and spectral resolutions and superior image quality.



PIKA L

400 - 1000 nm

Lightweight and compact VNIR hyperspectral imager, ideal for airborne remote sensing applications.



PIKA NIR-640

900 - 1700 nm

High-precision infrared hyperspectral imager. High spatial and spectral resolutions.



PIKA NIR-320

900 - 1700 nm

Infrared hyperspectral camera. Affordable and fast (up to 520 fps).



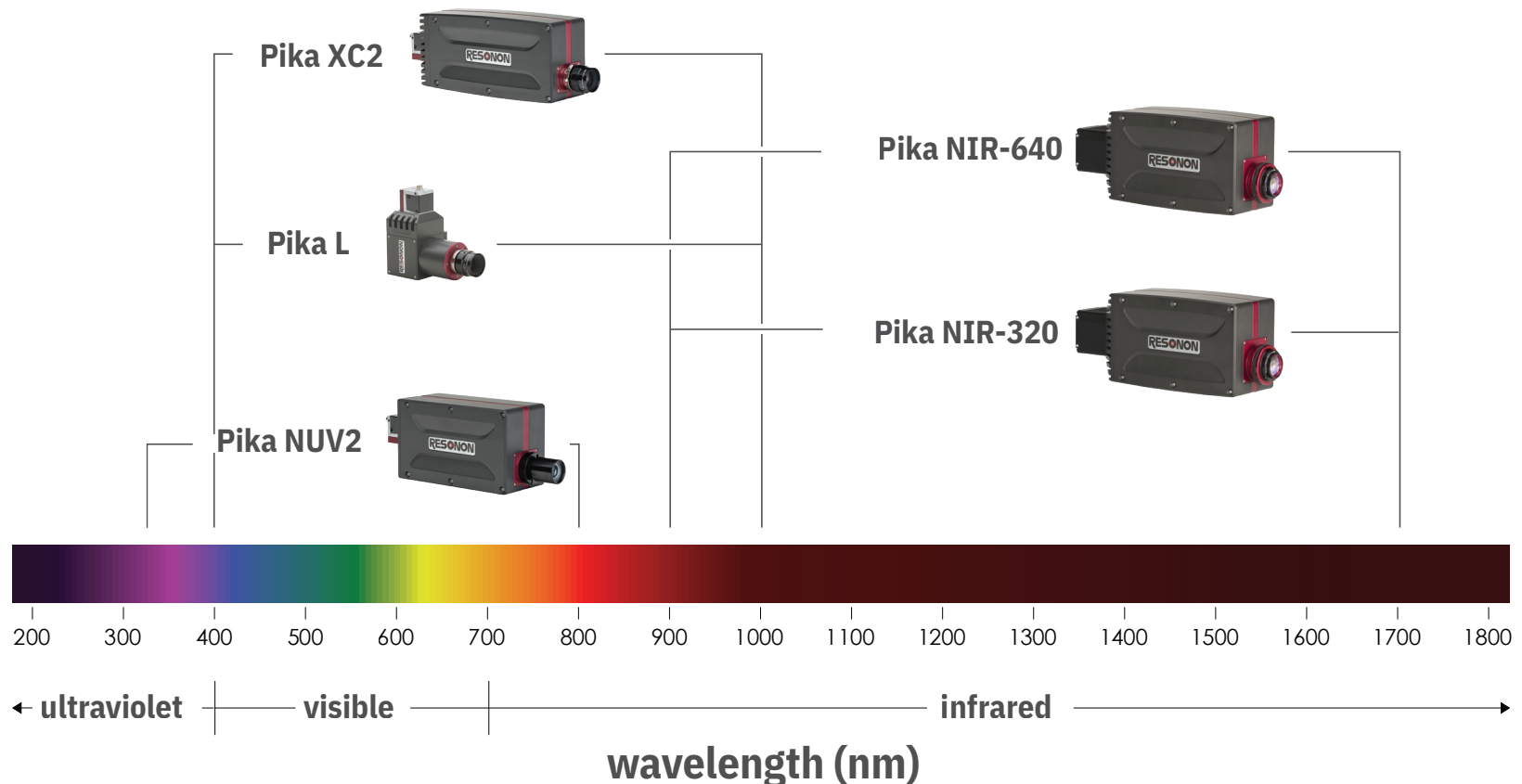
PIKA NUV2

330 - 800 nm

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

IMAGER SPECIFICATIONS

| | Pika XC2 | Pika L | Pika NIR-640 | Pika NIR-320 | Pika NUV2 |
|--|-------------------|-------------------|---------------------|---------------------|-------------------|
| Spectral Range (nm) | 400 -1000 | 400 – 1000 | 900-1700 | 900 – 1700 | 330 – 800 |
| Spectral Channels | 447 | 281 | 328 | 164 | 255 |
| Spectral Sampling (nm) | 1.3 | 2.1 | 2.5 | 4.9 | 1.8 |
| Spectral Resolution – FWHM (nm) | 2.3 | 3.7 | 5.3 | 9.7 | 3.2 |
| Spatial Pixels | 1600 | 900 | 640 | 320 | 1500 |
| Maximum Frame Rate (fps) | 165 | 249 | 249 | 520 | 142 |
| f/# | 2.4 | 2.4 | 1.8 | 1.8 | 2.8 |
| Interface | USB3.0 | USB3.0 | GigE | GigE | USB3.0 |
| Dimensions (cm) | 27.0 x 10.5 x 7.6 | 12.4 x 10.5 x 6.7 | 27.0 x 11.4 x 8.9 | 27.0 x 11.4 x 8.9 | 23.0 x 10.7 x 8.5 |
| Weight, w/lens (kg) | 2.57 | 0.75 | 3.21 | 3.21 | 2.39 |



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.