

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 L

400 - 1000 nm

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



PIKA XC2

400 - 1000 nm

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



PIKA IR / IR+

900 - 1700 nm

Infrared hyperspectral imagers. The IR is affordable and fast (up to 521 fps). The IR+ has high spatial and spectral resolutions.



PIKA IR-L / IR-L+

925 - 1700 nm

Compact, lightweight infrared hyperspectral imagers. The IR-L is ideal for airborne remote sensing. The IR-L+ has the highest spectral resolution of all of our infrared imagers.



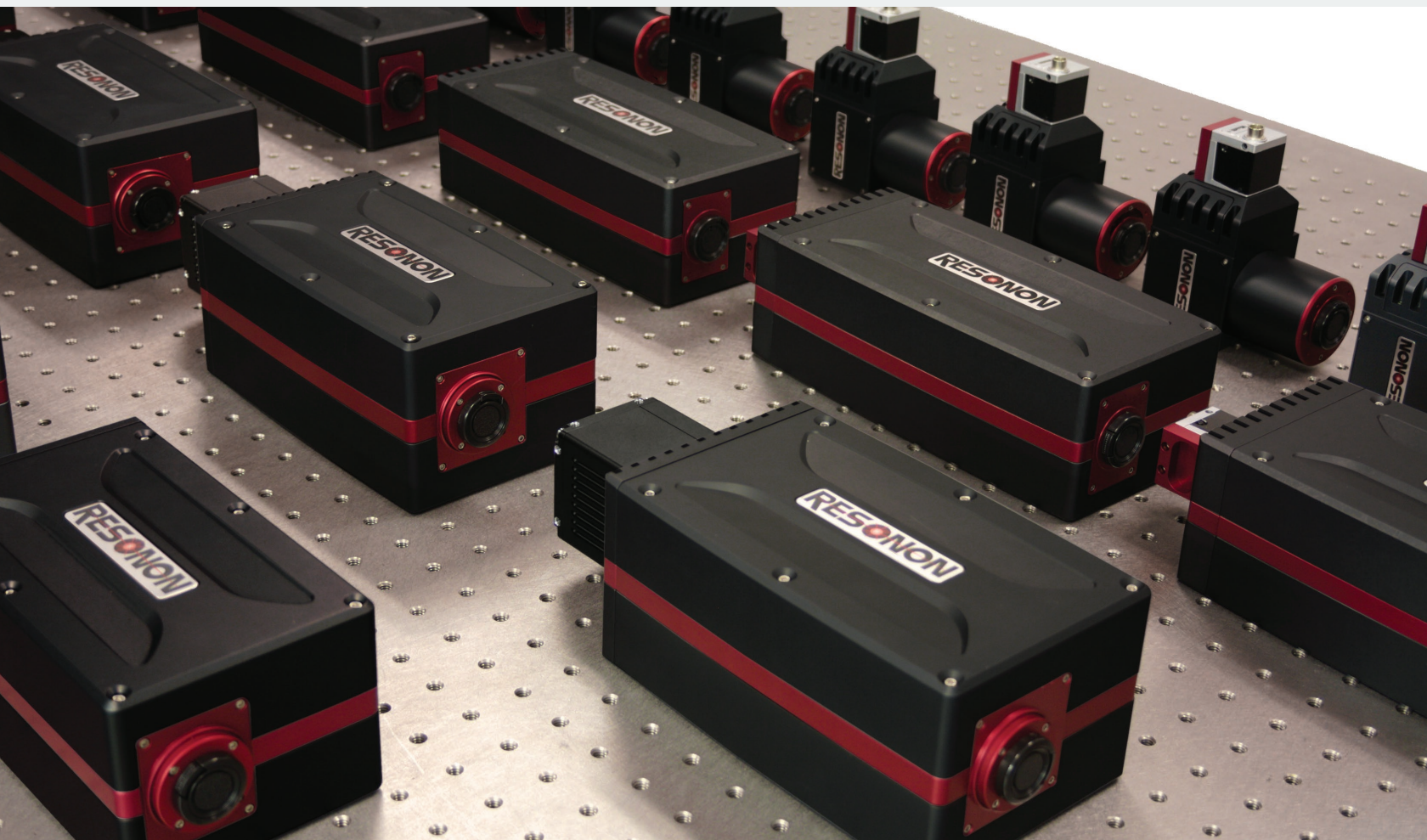
PIKA UV

330 - 800 nm

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

IMAGER SPECIFICATIONS

	Pika L	Pika XC2	Pika IR	Pika IR+	Pika IR-L	Pika IR-L+	Pika UV
Spectral Range (nm)	400 – 1000	400 -1000	900 – 1700	900-1700	925 – 1700	925 – 1700	330 – 800
Spectral Channels	281	447	164	328	236	470	255
Dispersion per Pixel (nm)	1.07	0.67	4.88	2.44	3.28	1.65	0.46
Spectral Resolution – FWHM (nm)	3.3	1.9	8.8	5.6	5.9	3.8	2.8
Spatial Pixels	900	1600	320	640	320	640	1500
Maximum Frame Rate (fps)	249	165	521	250	364	176	142
f/#	2.4	2.4	1.8	1.8	1.8	1.8	2.8
Interface	USB3.0	USB3.0	GigE	GigE	GigE	GigE	USB3.0
Dimensions (mm)	115 x 104 x 66	265 x 106 x 75	264 x 115 x 88	264 x 115 x 88	210 x 68 x 63	210 x 68 x 63	230 x 107 x 85
Weight, without Lens (kg)	0.64	2.51	2.96	2.96	1.01	1.01	2.27



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.