

# RESONON

## HYPERSPECTRAL IMAGING CAMERAS

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



### PIKA UV

330 - 800 nm

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



### PIKA L-F

420 - 980 nm

Fast (up to 585 fps), lightweight, and compact VNIR hyperspectral camera, ideal for industrial machine vision applications.



### 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 508 fps). The IR+ has high spatial and spectral resolutions.



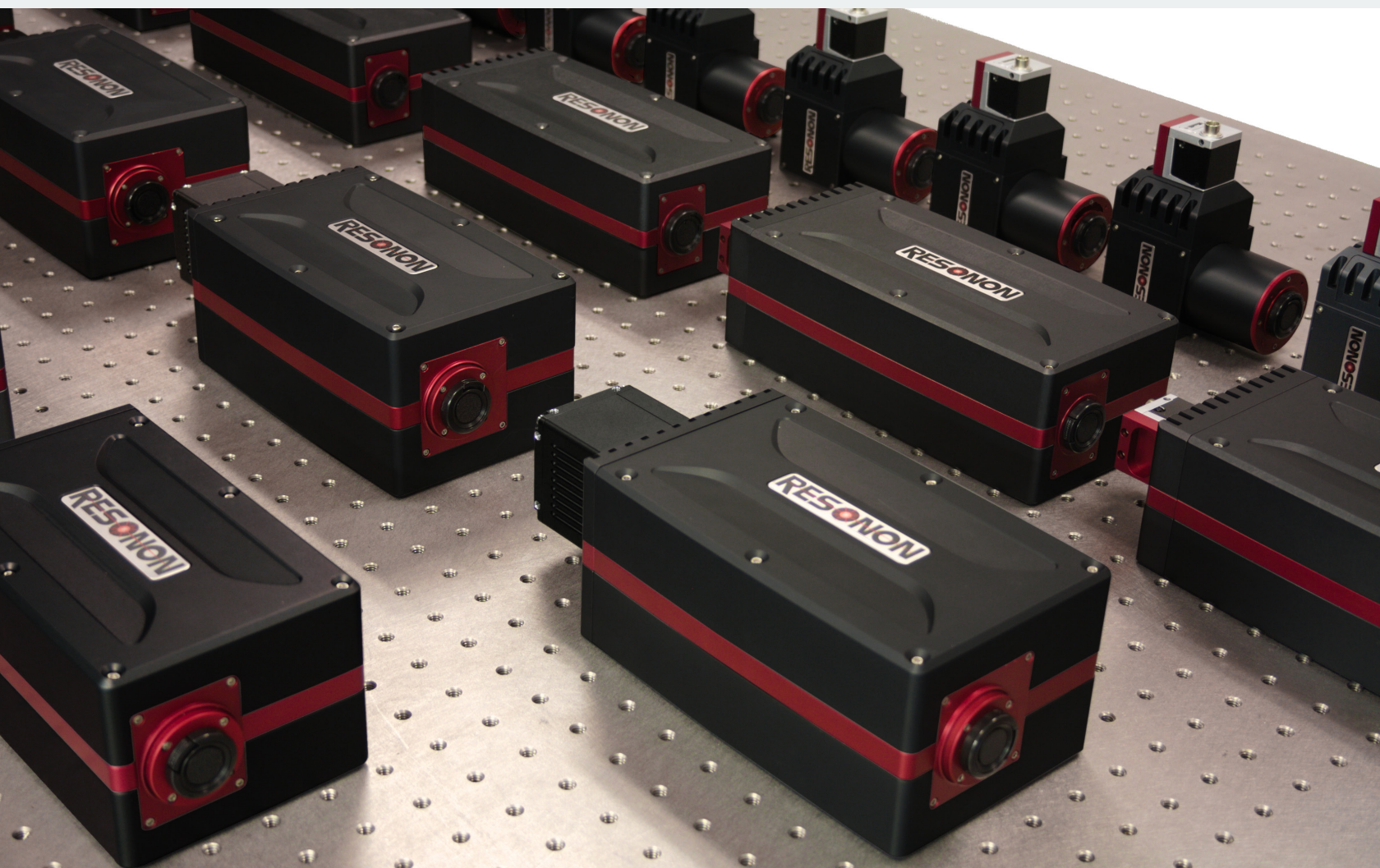
### PIKA IR-L / IR-L+

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.

## IMAGER SPECIFICATIONS

	Pika UV	Pika L-F	Pika L	Pika XC2	Pika IR	Pika IR+	Pika IR-L	Pika IR-L+
<b>Spectral Range (nm)</b>	330 – 800	420 – 980	400 – 1000	400-1000	900 – 1700	900-1700	925 – 1700	925-1700
<b>Spectral Bands</b>	255	224	281	447	168	336	236	470
<b>Spectral Sampling per Pixel (nm)</b>	0.46	1.25	1.07	0.67	4.76	2.38	3.28	1.65
<b>Spectral Resolution – FWHM (nm)</b>	2.8	3.1	2.7	1.9	8.8	5.6	5.9	3.8
<b>Spatial Channels</b>	1500	720	900	1600	320	640	320	640
<b>Maximum Frame Rate (fps)</b>	142	585 (@ 8 bit)	249	165	508	240	364	176
<b>f/#</b>	2.8	2.8	2.4	2.4	1.8	1.8	1.8	1.8
<b>Interface</b>	USB3.0	USB3.0	USB3.0	USB3.0	GigE	GigE	GigE	GigE
<b>Dimensions (mm)</b>	230 x 107 x 85	115 x 104 x 66	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
<b>Weight, without Lens (kg)</b>	2.27	0.64	0.64	2.51	2.95	2.95	1.01	1.01



Spectronon hyperspectral data analysis software and sample data are available for free at [downloads.resonon.com](http://downloads.resonon.com).