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 / L-F

400 - 1000 / 420 - 980 nm

Lightweight and compact VNIR hyperspectral camera. The Pika L is ideal for airborne remote sensing applications. The Pika L-F is Fast (up to 585 fps), ideal for industrial machine vision applications.

PIKA XC2

400 - 1000 nm

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

PIKA IR / IR+

900 - 1700 nm

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

PIKA SWIR

1000 - 2500 nm

Short-Wave Infrared hyperspectral camera that enables a wide range of applications, including mineral exploration, pharmaceutical inspection, soil characterization, and waste recycling.

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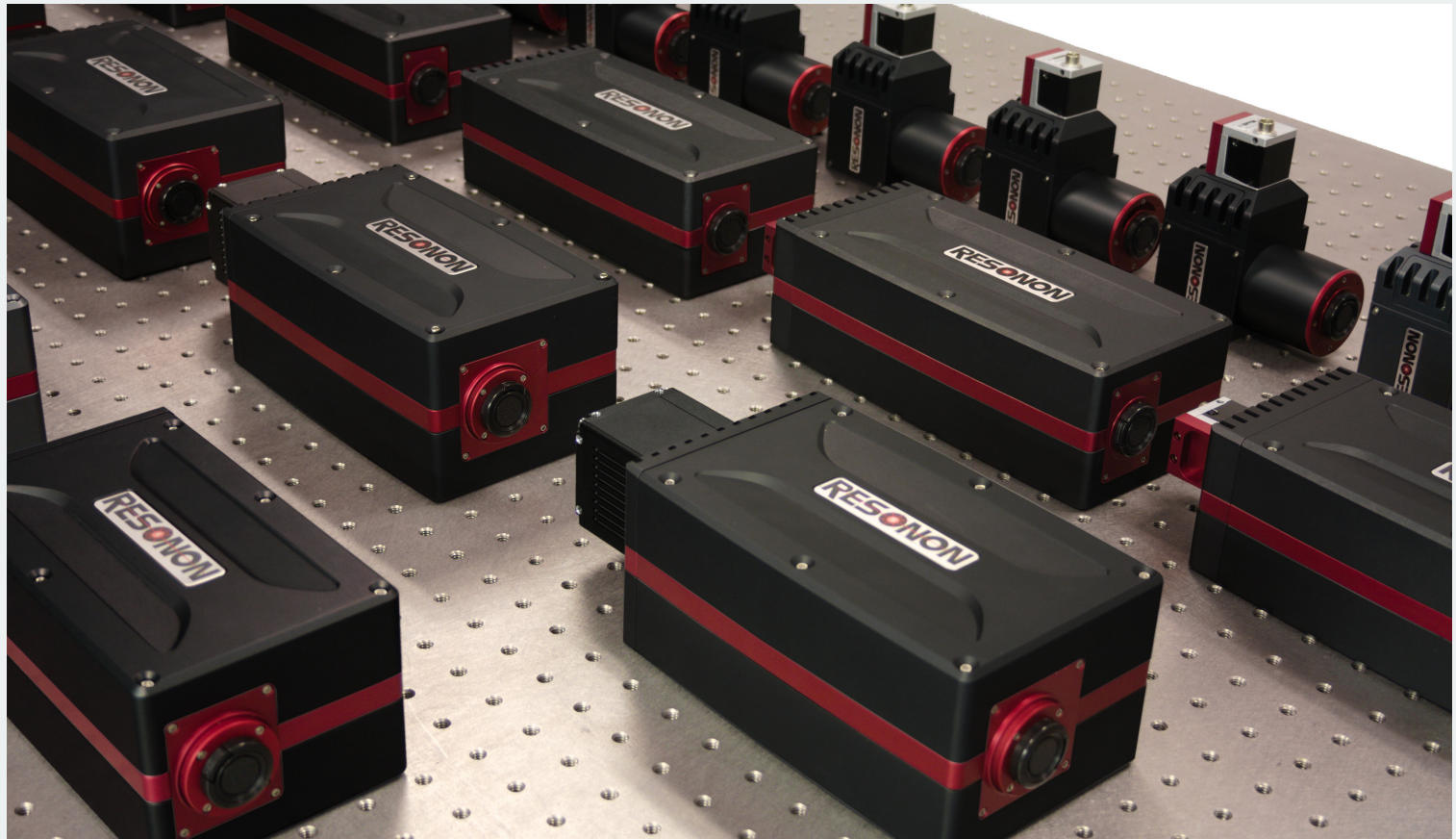
IMAGER SPECIFICATIONS

	Pika UV	Pika L-F	Pika L	Pika XC2	Pika IR	Pika IR+	Pika IR-L	Pika IR-L+	Pika SWIR
Spectral Range (nm)	330 – 800	420 – 980	400 – 1000	400 – 1000	900 – 1700	900 – 1700	925 – 1700	925 – 1700	1000 – 2500
Spectral Bands	255	224	281	447	168	336	236	470	245
Spectral Sampling per Pixel (nm)	0.46	1.25	1.07	0.67	4.76	2.38	3.28	1.65	3.06
Spectral Resolution – FWHM (nm)	2.8	3.1	2.7	1.9	8.8	5.6	5.9	3.8	11.0
Spatial Channels	1500	720	900	1600	320	640	320	640	640
Maximum Frame Rate (fps)	142	585 (@ 8 bit)	249	165	508	240	364	176	120
f/#	2.8	2.8	2.4	2.4	1.8	1.8	1.8	1.8	1.8
Interface	USB3.0	USB3.0	USB3.0	USB3.0	GigE	GigE	GigE	GigE	USB3.0 (frame grabber)
Dimensions (mm)	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	339 x 116 x 114
Weight, without Lens (kg)	2.27	0.64	0.64	2.51	2.95	2.95	1.01	1.01	3.98



Spectronon hyperspectral data analysis software and sample data are available for free at downloads.resonon.com.

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