

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 NUV

350 - 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 NUV
Spectral Range (nm)	400 – 1000	400 – 1000	900-1700	900 – 1700	350 – 800
Spectral Resolution (nm)	1.3	2.1	2.5	4.9	2.3
Spectral Channels	447	281	328	164	196
Spatial Channels	1600	900	640	320	1600
Max Frame Rate (fps)	165	249	249	520	165
Bit Depth	12	12	14	14	12
Weight (lb/kg)	4.9 / 2.2	1.3 / 0.6	5.9 / 2.7	5.9 / 2.7	4.7 / 2.1
Dimensions (cm)	10.1 x 27.5 x 7.4	10.0 x 12.5 x 5.3	11.0 x 29.6 x 8.9	11.0 x 29.6 x 8.9	10.1 x 26.4 x 7.4
Connection Type	USB 3.0	USB 3.0	GigE	GigE	USB 3.0
Operating Temperature (°F/C)	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40	41-104, 5-40
f/#	2.4	2.4	1.8	1.8	2.4
Pixel size (μm)	5.86	5.86	15	30	5.86
Avg. RMS Spot Radius (μm)	6	6	10	10	8
Smile (peak-to-peak) (μm)	4	4	10	10	4
Keystone (peak-to-peak) (μm)	5	5	10	10	6



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.