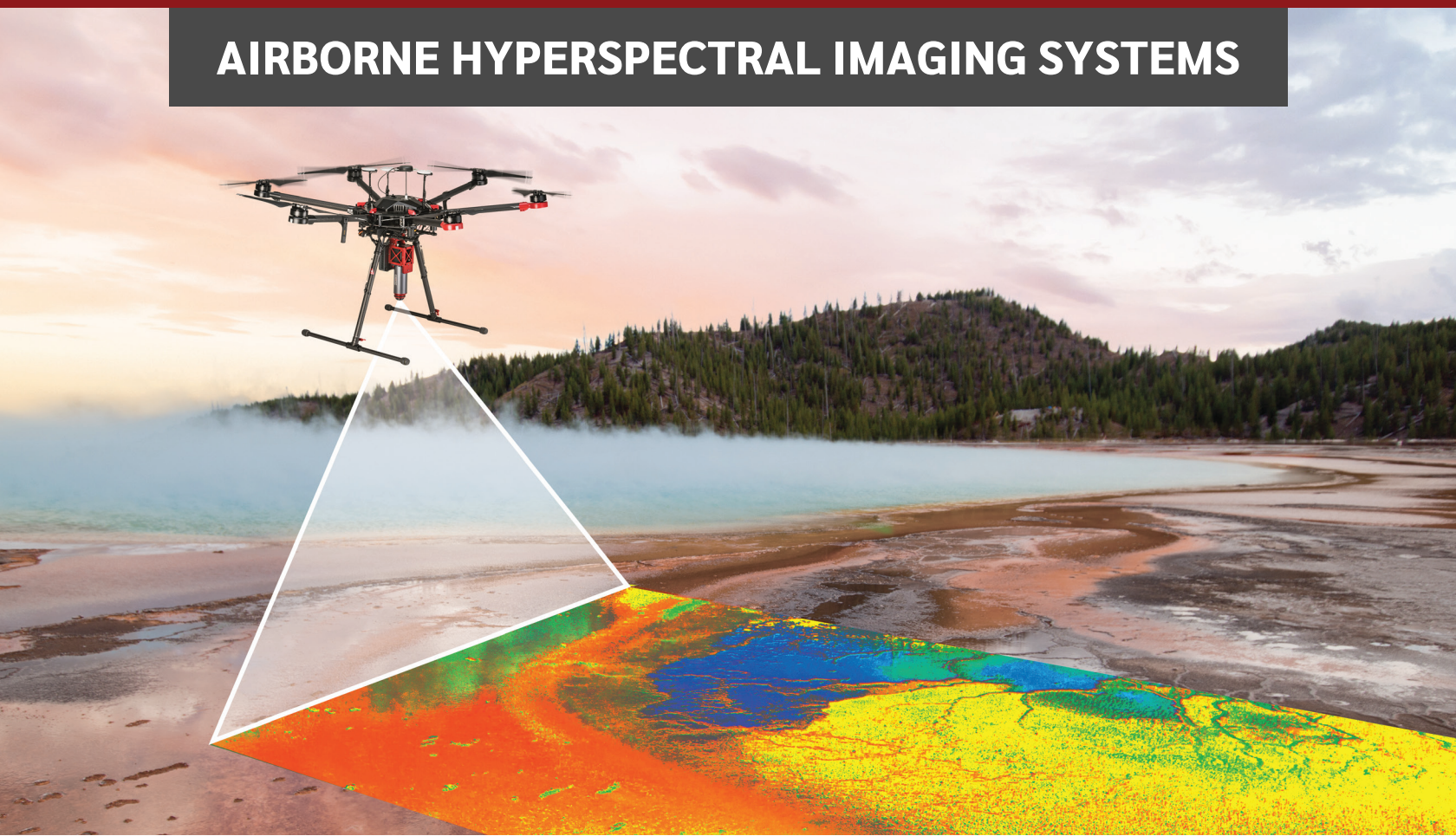


# RESONON

## AIRBORNE HYPERSPECTRAL IMAGING SYSTEMS



## DELIVERING GEOREGISTERED HYPERSPECTRAL DATA

Complete Hyperspectral Imaging Systems for Airborne Remote Sensing

### SYSTEM COMPONENTS

- ◆ Hyperspectral Imaging Camera
- ◆ Data Acquisition Unit
- ◆ Ellipse D GPS/IMU
- ◆ Georectification Software
- ◆ Post-Processing & Analytical Software
- ◆ System Mounts for UAV's or Piloted Aircraft
- ◆ Radiometric Calibration & Calibration Target
- ◆ Optional RTK for Centimeter-Scale Positioning



Multiple options are available. Please contact us to discuss your requirements.

## HYPERSPECTRAL CAMERA OPTIONS

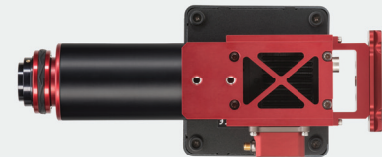
	Pika UV	Pika L*	Pika XC2	Pika IR	Pika IR+	Pika IR-L	Pika IR-L+	Pika SWIR
<b>Spectral Range (nm)</b>	330 – 800	400 – 1000	400 – 1000	900 – 1700	900 – 1700	925 – 1700	925 – 1700	1000 – 2500
<b>Spectral Bands</b>	255	281	447	168	336	236	470	245
<b>Spectral Resolution – FWHM (nm)</b>	2.8	2.7	1.9	8.8	5.6	5.9	3.8	11.0
<b>Spatial Channels</b>	1500	900	1600	320	640	320	640	640
<b>Maximum Frame Rate (fps)</b>	142	126	165	508	240	364	176	120
<b>Imager Weight, without lens (kg)</b>	2.27	0.64	2.51	2.95	2.95	1.01	1.01	3.98
<b>Complete System Weight (kg)</b>	3.60	1.83	3.84	4.33	4.33	2.23	2.23	5.36

\* The Pika L camera used for the Airborne System has a GigE output for reliable operation in the electronically-noisy environment found on some small UAV systems.

### PIKA L AIRBORNE SYSTEM



### PIKA IR-L / IR-L+ AIRBORNE SYSTEM



## FULLY-INTEGRATED AIRBORNE HYPERSPECTRAL SYSTEM

Vision Aerial's Vector hexcopter fully-integrated with a Pika L, Pika IR-L, Pika IR-L+, or Pika UV airborne system.



### SIMPLICITY

Streamlined purchase, set-up, and support

### VERSATILITY

Other payloads available: LiDAR, thermal, multispectral, SLR camera sensors, and more

### LONG RANGE AND FLIGHT TIMES

20-km range and long flight times:

Pika L = 33 minutes | Pika IR-L/L+ = 31 minutes

### SECURITY

2020 NDAA and TAA compliant controller available