

Airborne Spectral Imaging

Fully integrated hyperspectral imaging for small airborne platforms

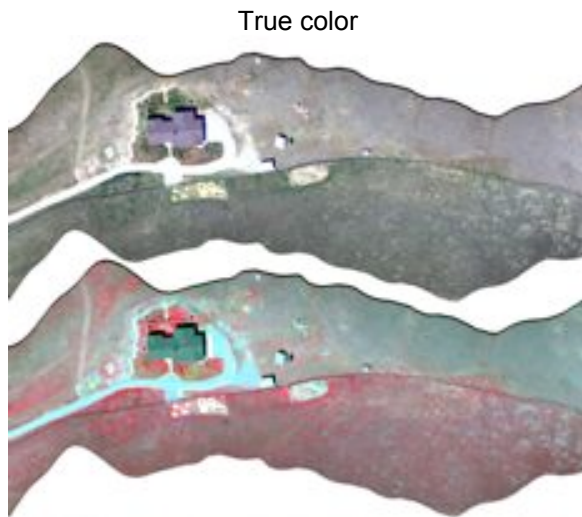
Resonon's airborne spectral imaging systems utilizes either our Pika II or the Pika NIR imaging spectrometer.

The compact, cost-effective system can be used in both manned and unmanned aircraft.

Georectification software for post processing is included.



Property	Specification
Spectral Channels	Up to 240
Weight	2.5 lbs in standard configuration
Dimensions	4 x 6.5 x 3.26 inches
Available Connections	Firewire 800 (IEEE 1394b), USB, CameraLink, Serial (TTL or RS-232), Analog I/O, 10/100bT
Data Storage Capacity	16, 32, or 64 GB
Data Write Speed	22 MB/sec standard. Higher speeds available
Processor	DualCore 1.2 GHz
Autopilot/INS interface	Piccolo II & Athena
Embedded OS/Software	Linux with custom sensor integration available
Ground Station Software	Available for Windows XP
Power	15 W nominal, processor load dependent, 30 W maximum
Line-scan Rate	Up to 145 lines/sec for Pika II Up to 120 lines/sec for Pika NIR



False color highlighting healthy vegetation

Aerial Geocorrected Image