



SPORIAN[®]
MICROSYSTEMS, INC

SPECIQ[®]

HYPERSPECTRAL SENSING

SpecIQ® Hyperspectral Sensor

Sporian has developed a state-of-the-art, ultra-broad-range hyperspectral radiometer. SpecIQ® overcomes prior cost and environmental limitations to provide broad spectral bandwidth at consumer-friendly prices.



Compact and lightweight



Adaptable/Teachable



Rapid results



Low Cost



SPECIQ LABORATORY
SPECTROMETER



Precision Agriculture

Early Detection of Crop Stress and Disease
Evaluation of Water and Nutrient Needs
Monitoring Pesticide and Fertilizer Application

Food Processing & Quality Inspection

Quality Control
Foreign Materials Detection
Safety and Pathogen Detection



Process Control and Materials Identification

Machine Vision
Waste Sorting
Hazardous Materials Detection
Infrastructure Inspection

Earth Sciences & Environmental Monitoring

Fire Risk Assessment
Mining and Exploration
Environmental Assessment and Pollution Detection
Natural Disaster Surveying



Government/Defense

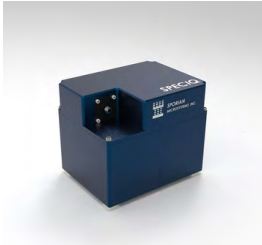



Remote Sensing
Intelligence, Reconnaissance, and Surveillance
Corrosion Detection and Sustainment

Biotech & Medical

Plant Phenotyping
Disease Screening
Pharmaceuticals Examination
Lab Instrumentation and Microscopy



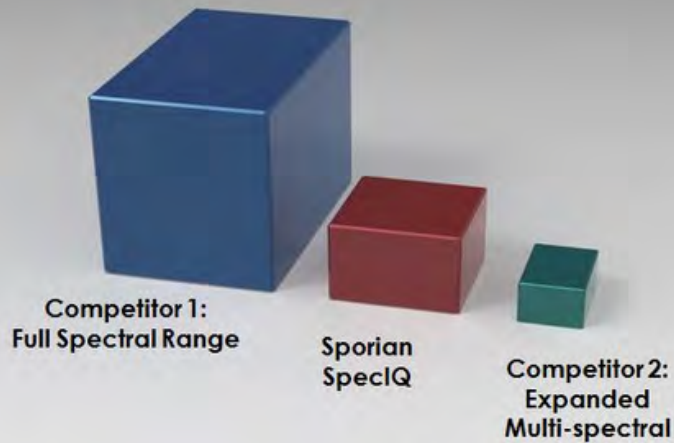
SPECIQ CONFIGURATIONS

				
	LABORATORY SPECTROMETER	POINT-AND-SHOOT	SMALL UAS	CONVEYOR*
WAVELENGTH RANGE	400-2600 nm when cooled	400-2300 nm	400-2300 nm	400-2500 nm
BODY SIZE	3.6" x 3.9" x 4.75"	3.5" x 4.7" x 4.7"	3.1" x 3.5" x 4"	4" x 8" x 12"
SPECTRAL BANDS	250	75	75	47
MAX IMAGING SPEED	10 frames/sec	90 frames/sec	90 frames/sec	4500 lines/sec
SPECIAL FEATURES	Low cost	Low cost	Low cost	Integration with machine vision capable * In development

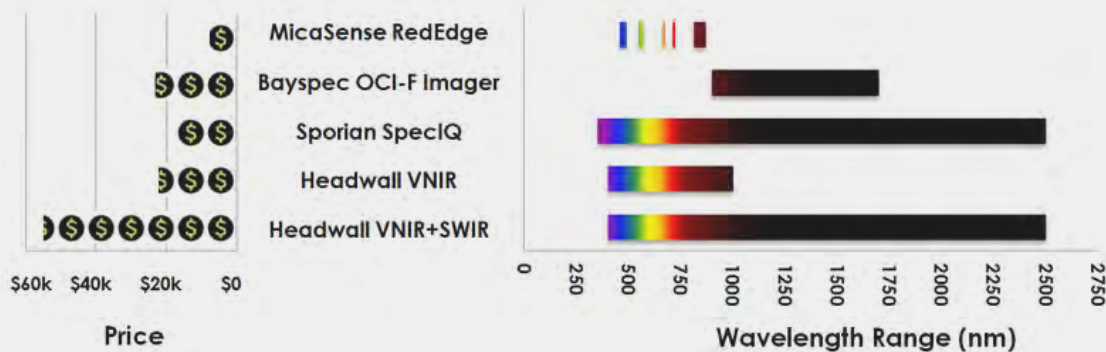


PRODUCT COMPARISON

PRODUCT SIZE COMPARISON



COST AND SPECTRAL RESPONSE



CONTACT US

SPORIAN MICROSYSTEMS IS READY TO HELP YOU WITH OFF-THE-SHELF OR CUSTOM SOLUTIONS TO MEET YOUR HYPERSPECTRAL SENSING NEEDS.

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