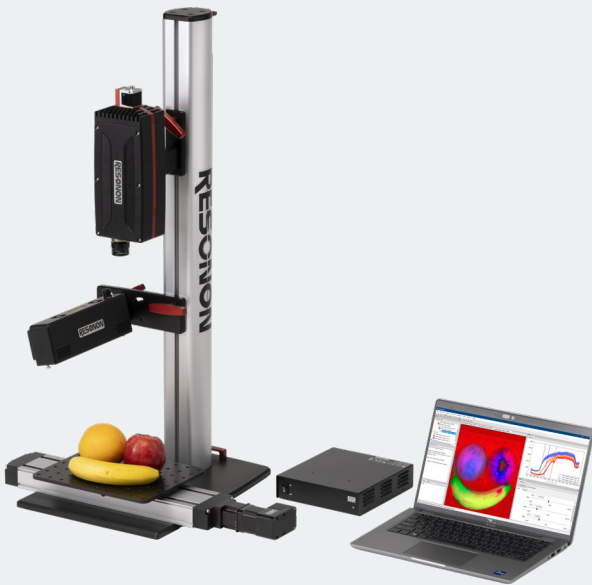


RESONON

HYPERSPECTRAL IMAGING SYSTEMS

Complete systems for laboratory and outdoor applications.



Resonon's hyperspectral imaging systems are fully-integrated, plug-and-play solutions, with all hardware and software necessary to acquire and analyze hyperspectral data.

BENCHTOP SYSTEM

For laboratory use

System components:

- ◆ Hyperspectral Imaging Camera
- ◆ Data Acquisition Computer & Software
- ◆ Linear Translation Stage
- ◆ Mounting Tower & Baseplate
- ◆ Stabilized High-Intensity Illumination
- ◆ Calibration Target

OUTDOOR FIELD SYSTEM

Tripod-mounted scanning system

System components:

- ◆ Hyperspectral Imaging Camera
- ◆ Rotational Scanning Stage & Tripod
- ◆ Ruggedized Laptop & Data Acquisition Software
- ◆ Radiometric Calibration
- ◆ Calibration Target
- ◆ Power Supply
- ◆ Protective Travel Case

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

BENCHTOP CONFIGURATIONS

REFLECTANCE SYSTEM



The linear stage holds the sample and translates across the field of view.

REFLECTANCE-TRANSMISSION SYSTEM

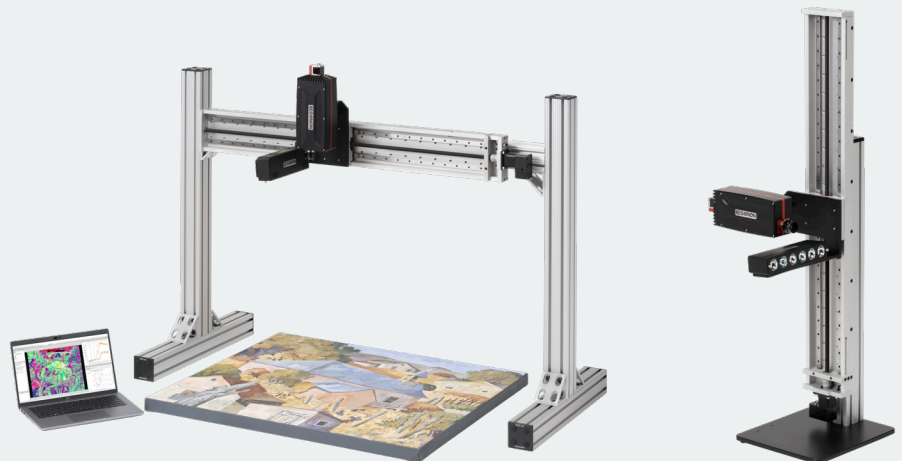
REFLECTANCE CONFIGURATION TRANSMISSION CONFIGURATION



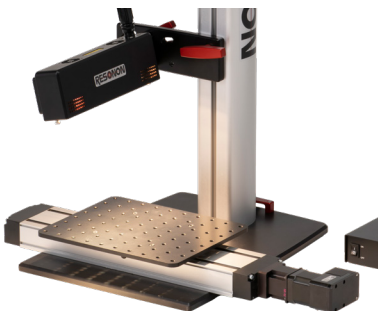
This system allows for illumination from above (Reflectance) or from below (Transmission). A clear sample plate is mounted to the linear stage and the line light easily transfers for the two configurations.

REFLECTANCE OF LARGE SAMPLES

The imager and lighting assembly are mounted directly to a long translation stage which can be mounted horizontally or vertically. Used to scan larger objects.



BENCHTOP LIGHTING OPTIONS



6-Fixture Halogen: Default option, diffuse, versatile, the best option for many applications.



Halogen Fiber Line Light: Recommended for heat-sensitive samples and required for the Reflectance/Transmission System.



COBRA Hyperspectral LED: Very bright, stable, and long lifespan. VNIR cameras only, LED spectral range is 405-970 nm.