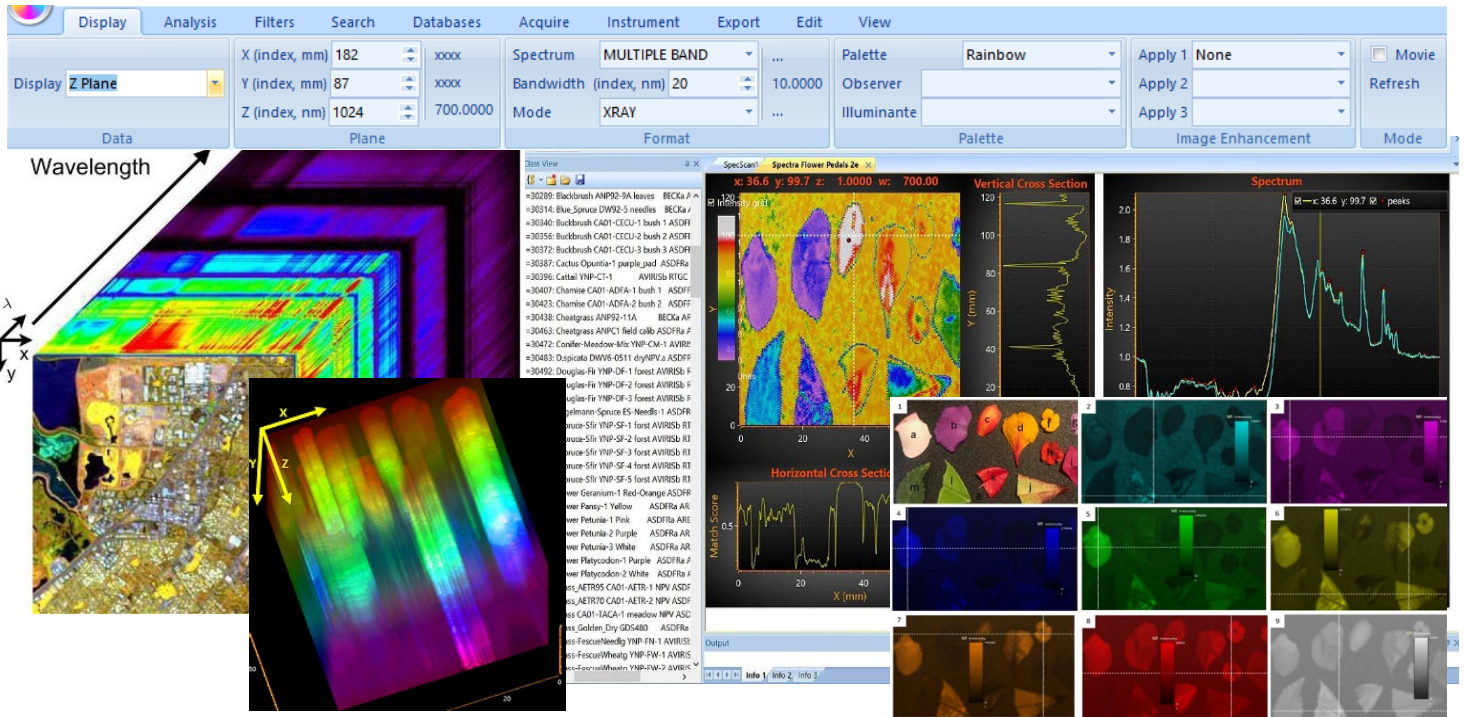


SPECTRA INSIGHT SOFTWARE



Spectra Insight acquires and processes spectral data from virtually any imaging spectrometer. Spectral data can be imported from 3rd party sources for analysis. Image size/resolution and spectral range/resolution are limited only by the spectrometer or file-format. Spectra Insight uses parallel processing to display thousands of spectral images as a movie or as a rotating 3D volume in real-time. Each planar image or 3D volume are assigned unique color palettes associated with a wavelength or set of wavelengths. Each pixel, region, spectral image, and 3D volume can be analyzed for substances, spectral matches, anomalies, and searched using native or 3rd party spectral databases.

Features

- Data acquisition with user selectable areas and resolutions
- Selectable wavelength ranges and bandwidths
- Thousands of spectral bands displayed as images/movie
- Unique color palettes for ultra-violet, visible, and infrared wavelengths
- Search local or online spectral databases for signature matching
- Analyze entire images, selectable regions, or individual pixels
- Display volumetric, 3D Surface, 2D Image, 1D cross-section displays, and single pixel spectral data
- Spectral normalization using industry standards or other spectral data
- Import 3rd party spectral data

Advanced Capabilities

- Use with point scanning, push broom, or full image snapshot spectrometers
- AI features for fast substance detection
- Parallel processing using all available CPUs/GPUs.
- Simple yet powerful Ribbon Interface
- Multiple file formats (import, export)
- New features added upon request
- Available as a full application or a programmers' library.