



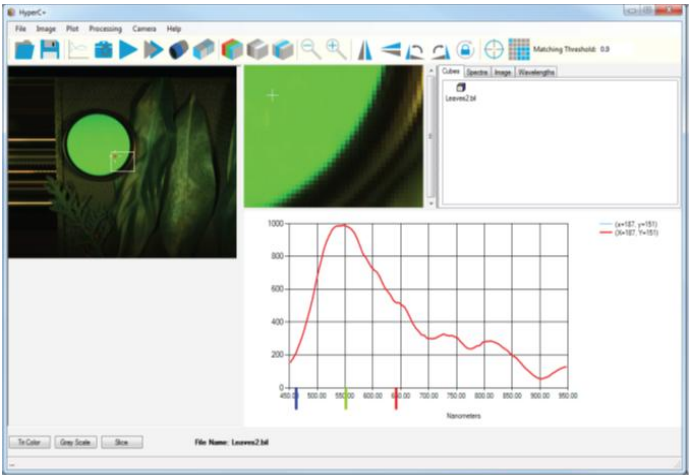
Corning® microHSI™ 410 Hyperspectral Application Development Kit

Corning’s microHSI™ 410 Hyperspectral Application Development Kit (ADK) allows the development of hyperspectral technology applications and algorithms. The ADK provides the essential tools needed to explore, evaluate and experience the benefits of hyperspectral imaging technology first hand. The kit allows the user to develop techniques to solve real world problems using hyperspectral technology. The kit hardware capabilities can grow with a user’s needs.

The ADK is supported by a powerful 410 HSI sensor module that covers spectral ranges the 400-1000 nm spectral range. The lab-bench based vis-NIR ADK includes a high sensitivity patented vis-NIR HSI module configured for push-broom scanning, with a motorized linear-translation stage and an ultra-stable light source (both require 120VAC power). The system is controlled via HyperC+ software. The kit can be configured to translate the sample relative to the sensor (small samples) OR with optional mounts, setup to translate the sensor relative to the sample (to support large samples). Customizable versions are also available.



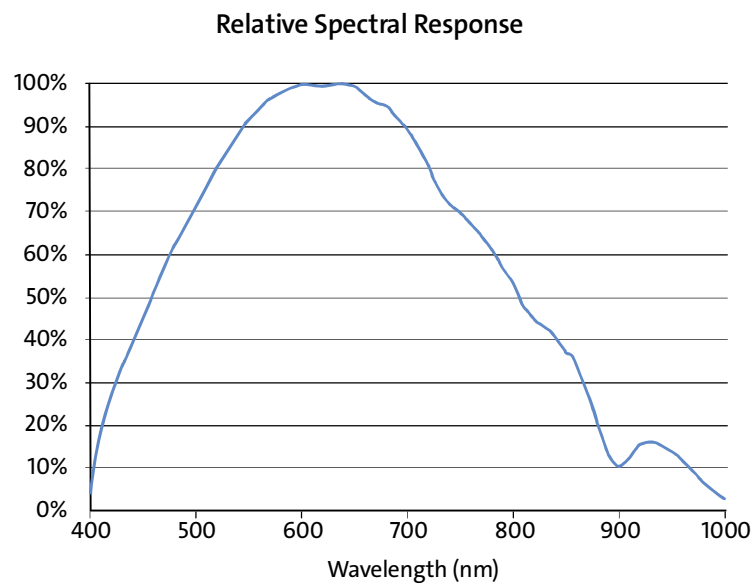
Application Development Kit



Sample HSI Screen Shot

Vis-VNIR System Attributes

Sensor Type	Push-broom Line Imaging Spectrometer
Spectrograph	Solid Block Offner
Grating	Diamond-Ruled High Efficiency Reflective Blazed
FPA Detector	CCD/CMOS hybrid
Effective Pixel Size	11.7 μm --- binned 2x
Effective Array Size	704 spatial x 155 spectral --- binned 2x2
Focal Length, f/#	16 mm, f/1.4 standard
Full FOV	29.5 degrees (516 mrad) standard
IFOV	366 μrad standard
Spectral Range	400 nm - 1000 nm
Spectral Bin Size (per effective pixel)	4 nm
Data Readout	12-bit
Etendue	50 steradian μm^2



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For more information, visit our website:
www.corning.com/advanced-optics

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