

## Microscopy in a Whole New Light™

Ultraviolet, color and near infrared imaging are all combined in the novel **UVM-1™** UV-visible-NIR microscope. The UVM-1™ microscope is able to image in absorbance, reflectance, fluorescence, photoluminescence and even gather polarization images throughout the UV-vis-NIR spectral range. The UVM-1™ is a cutting-edge microscope incorporating CRAIC Technologies innovative optics, Scorpii™ Advanced Illumination System and the latest in cameras and imaging software. This allows you to gather many types of images all with the same microscope. Whether for higher resolution with shorter wavelength light or for spectral imaging, the UVM-1™ represents a pinnacle in true broadband microscopy.

The versatility of this unique system allows users to analyze and image samples with high resolution throughout the UV, visible and near IR regions with a single microscope. UV microscopy is sensitive enough to detect trace amounts of contaminants on semiconductors yet powerful enough to resolve finer details than with a standard microscope. NIR microscopy can be used to selectively image the interior circuits of bonded silicon wafer devices non-destructively. And these are just many of the applications of the UVM-1™. The flexibility of the UVM-1™ microscope design makes this the premier UV-visible-NIR microscope.



### UVM-1™ Key Features:

- Cutting edge UV, color and NIR imaging with high resolution digital cameras fitted to the UVM-1™ microscope.
- Full UV-visible-NIR spectral range for transmission, reflectance, fluorescence and polarization imaging.
- A modular design concept allowing the addition of microspectroscopy, Raman and photoluminescence and film thickness capabilities.
- Offered as manual, semi-automated and fully automated options.

### SPECIFICATIONS

Types of Imaging	Absorbance, Reflectance, Fluorescence, Photoluminescence, Polarization
Microscope Imaging Spectral Range	220 - 1700 nm
Fluorescence Excitation	280 - 546 nm
Fluorescence Emission	300 -1000 nm
Lighting System	Scorpii™ with SampleSafe™ technology
Full Automation	Available
Operating System	Windows