

UVM-3™

UV-Vis-NIR Microscopes

Microscopy in the UV-visible-NIR Spectral Region



The **UVM-3™** is a cost-effective microscope for imaging microscale samples in the ultraviolet, visible and NIR regions. Built to meet your requirements, the UVM-3™ is a modular system combining multiple microscopy techniques. The UVM-3™ is a turnkey system configured and built to your specifications and is capable of imaging even sub-micron samples by absorbance, reflectance, kinetics, polarization and fluorescence in the UV-visible-NIR spectral regions. The UVM-3™ can also be fitted with the Apollo™ series so that the system can also collect Raman microspectra™.

Incorporating advanced optical designs, the UVM-3™ features sophisticated advances in optics, light sources and software from CRAIC Technologies. This powerful yet flexible microscope, unique in its capabilities, integrates advanced optics, software and hardware in a powerful yet cost effective instrument. Offered with high resolution UV, color and near IR digital imaging, the UVM-3™ is the perfect tool to yield the microscale imaging results that you need.

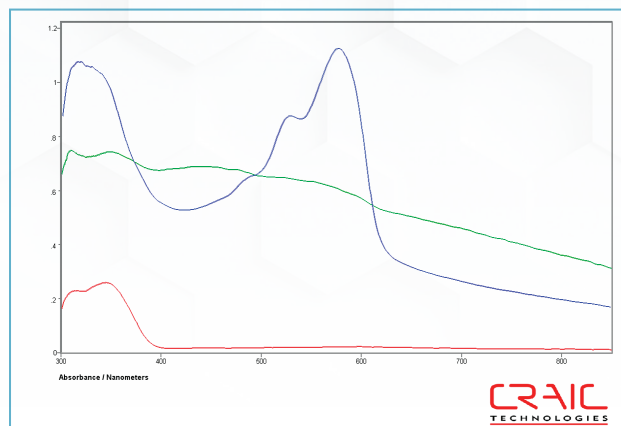


UVM-3™ Key Features:

- Full UV-visible-NIR microspectroscopy in absorbance, transmission, reflectance, fluorescence and emission.
- Raman microspectroscopy with numerous laser wavelengths offered
- UV, visible and NIR imaging capabilities
- Calibrated variable sampling areas with Absolute Reproducibility
- Dual Reflectance and Transmittance Calibration Standards traceable to NIST

UVM-3™ SPECIFICATIONS

Microscope Spectral Range (Transmission)	240 - 2000 nm
Spectral Range (Reflectance):	300 - 2000 nm
Microspectral Range (Fluorescence)	300 - 1000 nm
Microspectral Resolution (UV-vis)	XXX
Microspectral Resolution (NIR)	XXX
Stray Light	XXX
Microspectral Sensitivity	XXX
Detector	CCD (UV-vis) and InGaAs (NIR)
Detector Cooling	Thermoelectric
Color Imaging	5 MP Digital from 400 - 700 nm
UV Imaging	200 - 400 nm
NIR Imaging	900 - 1700 nm
Operating System	Windows



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Spectral Range



Calibration Standards

- ☐ Transmittance Standards traceable to NIST
- ☐ Reflectance Standards traceable to NIST
- ☐ White Diffuse Reflectance Standard traceable to NIST
- ☐ Vitritine Coal Reflectance Standards
- ☐ Fluorescence Standards

System Software

- ☐ rIQ™ Glass Refractive Index
- ☐ Spectral 3D Mapping
- ☐ Thin Film Thickness Measurement
- ☐ TimePro Kinetics™
- ☐ Colorimetry
- ☐ Statistical Analysis

Accessories

- ☐ Quartz Slides and Coverslips
- ☐ CRAIC Certified Lamps
- ☐ Quartz Wellplates
- ☐ Specular Reflectance Material

Illumination Packages

- ☐ Transmission/Absorbance UV-VIS-NIR
- ☐ Reflectance UV-VIS-NIR
- ☐ Fluorescence UV-VIS-NIR
- ☐ Polarization

Spectrometer Packages

- ☐ High Resolution, 200-1000nm
- ☐ High Sensitivity, 200-900nm
- ☐ Standard Range NIR, 900-1700nm
- ☐ Extended Range NIR, 900-2100nm
- ☐ Standard UV-Visible-NIR 200-1700nm
- ☐ Extended UV-Visible-NIR 200-2100nm

Microspectroscopy Stages

- ☐ Manual XY
- ☐ Rotating & XY, 360deg/30mm x 40mm
- ☐ Semi-Rotating stage, up to 240deg
- ☐ Programmable XY Stage

