The Raman Systems RSM Video Raman Microscope is an upright laboratory microscope that couples to a Raman Systems spectrometer (sold separately). The accessory is supplied with a Reflected Light, Brightfield Illuminator and with a USB Color Video Camera.

The RSM Video Raman Microscope works with the Raman Systems models PeakSeeker™ and PeakSeeker Pro™ spectrometers mating to the external fiber optic probe.

The USB Color Video Camera facilitates precise sample positioning of the laser spot from the Raman spectrometer onto a solid sample surface.

The RSM Video Raman Microscope is supplied with long working distance, infinite plan achromat objectives. The higher magnification objectives provide a smaller laser spot size.

**SPECIFICATIONS**

**Eyepiece:**
Wide field 10X (22mm) binocular

**Objectives:**
- Infinity Corrected
  - Magnification: Working Distance
    - 4X: 25.4 mm
    - 10X: 11 mm
    - 20X: 6 mm
    - 40X: 3.7 mm

**Sample Stage:**
- Dimensions: 190 mm × 150 mm
- X-Y Range: 75 mm × 50 mm (manual)

**Focusing:**
- Coaxial coarse & fine adjustment
- Fine focusing scale 0.002 mm

**Illumination:**
- Brightfield Kohler
- 12V 30W brightness variable

**Camera**
- 1.3 MP Color CMOS
- USB2.0
- C-mount
- 1.8 meter long USB cable
- 0.5X image reduction lens
- 0.01mm linewidth stage micrometer
- Software CD

**ORDER CODES**
- RSM-785 for spectrometer models PEK-785; PRO-785; PRO-785E
- RSM-532 for spectrometer model PRO-532
  (spectrometers sold separately)

Specifications subject to change without notice. PeakSeeker, PeakSeeker Pro are trademarks of Agiltron. ©2010 All rights reserved  U.S. Patents 5982484, 6897951

Raman Systems MII, an Agiltron fully owned business unit
15 Presidential Way, Woburn, MA 01801  •  Tel 781-935-1200  •  www.ramansystems.com
RSM Video Raman Microscope

An affordable and versatile accessory for Raman Systems spectrometers

APPLICATIONS

- Anti-counterfeiting
- Carbon nanotubes
- Coatings
- Forensics
- Mineralogy
- Semiconductors
- Solar Cells
- SERS

ACCEPTS STANDARD MICROSCOPE OBJECTIVES

Specifications:
- Infinity corrected
- 45 mm parfocal distance
- RMS 20.32mm thread
- Metallographic (no cover slip)

ANALYZE NON-HOMOGENEOUS SAMPLES

The RSM Video Raman Microscope provides a video image of the laser spot on the sample area of interest.

Ink on Silicon
- 20X objective
- White spot is the laser

Paper

PeakSeeker or PeakSeeker Pro spectrometer sold separately.