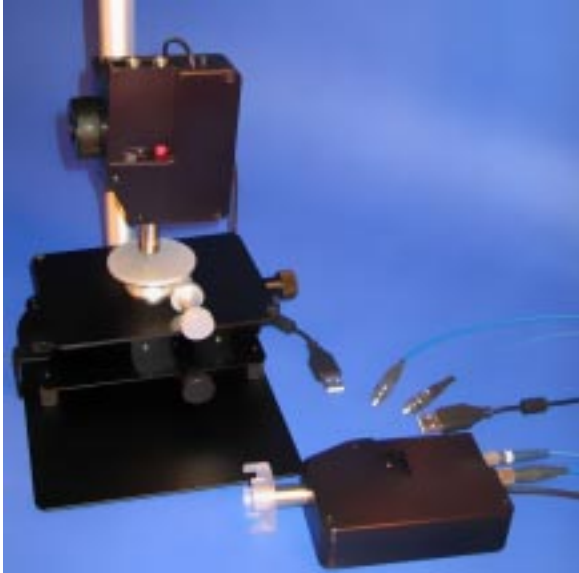


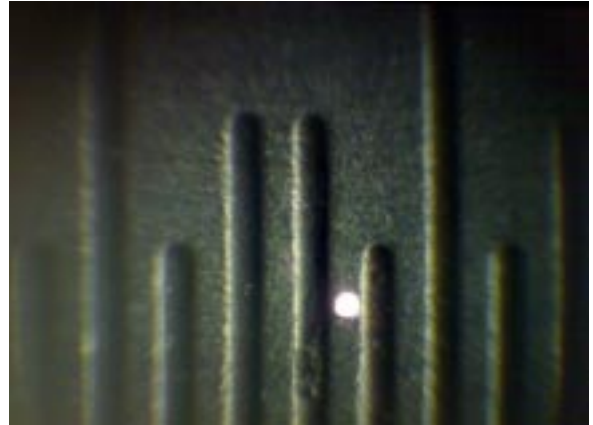


Imaging Fiber Optic Raman Probe

Accurate Sampling Solution



Our imaging probe can be either handheld with a focusing spacer or mounted on a microscope stand.



The image from our imaging probe (the laser spot size is 100 um)

The imaging probe is a video camera integrated with a standard Fiber Optic Raman probe in a handheld housing. The image from the video camera shows the excitation laser spot, which facilitates alignment of the sampling location. The camera is connected to a PC of your own choice via a USB port. The camera driving software is included.

Raman signal is collected efficiently by the objective lens on the probe tip, which has a high numerical aperture and is broadband coated. The objective lens also serves as part of the imaging system. The filter for the laser spot imaging can be customized according to the laser power in use. The field of view of the imaging system is about 2mmx 1.5mm.

Features and Specifications

Raman Probe

Probe Size	5" x 3" x 1.3"
Spectral Range	200 - 3900 cm^{-1} (Stokes), depending upon spectrograph limits
Excitation Wavelengths	514, 532, 633, "785" (782 - 788 nm), 830 nm
Working Distance	8mm
Physical Resistance	Durable probe can be used up to 80°C
Coupling System	FC (std.) or SMA 905 connectors
Safety Features	Manual safety shutter

Video Camera

Camera Sensor	1/4" CMOS, 2MP, 24 bit color depth
Video Resolution	up to 1600X1200 pixels (HD quality)
Frame Rate	up to 30 frames per second
Interface	USB port
Field of View	2mm x 1.5mm

Specifications and prices are subject to change without notice.