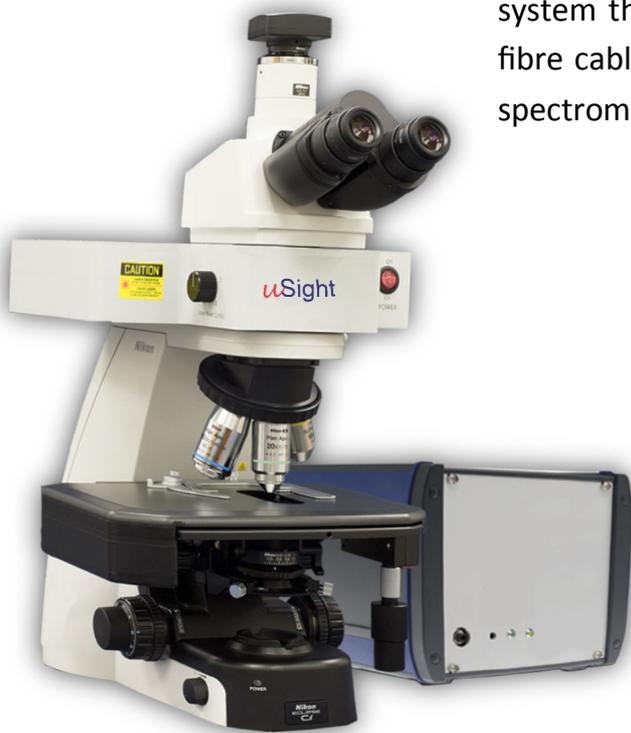


# uSight-X

The new UV-VIS-NIR Micro-Spectroscopy Solution

## uSight-X

The **uSight-X** is a compact laser-based micro-spectroscopy system that offers users the flexibility to connect, via optical fibre cable, to different range of spectrometer from compact spectrometer to research grade spectrograph externally.



*uSight-X-785nm with external detector mounted on Nikon Ci-L microscope*

The uSight-X is suitable for Laser-Induced Fluorescence, Photoluminescence and Raman Spectroscopy. It integrates with most major brands microscope, empowering them with micro-spectroscopy measurement functions without affecting the existing microscope imaging performance. Users are also able to carry out other imaging modalities such as fluorescence, DIC, polarization, dark-field and bright-field imaging with the uSight-X system.

## Features

- ✓ Compact and affordable
- ✓ Laser spot size down to  $<1.0 \mu\text{m}$
- ✓ User controllable laser power
- ✓ Polarization add on option
- ✓ Available in 532nm, 633nm, 785nm
- ✓ Suitable for Raman, Photoluminescence and Fluorescence

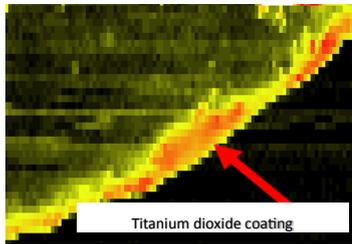
*\* most models from major brands such as Nikon, Leica, Olympus and Zeiss.*



*uSight-X with laser safety enclosure*

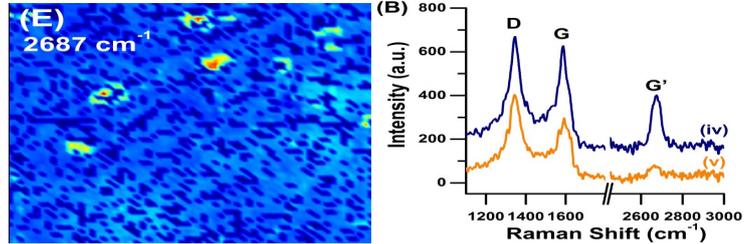
# Flexible micro-spectroscopy solution ideal for your vast research applications

## 2D Raman Chemical Mapping



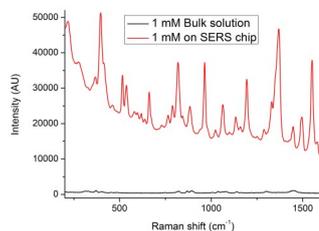
Mapping of the pharmaceutical tablet revealing the external titanium dioxide coating.

## Graphene Sample



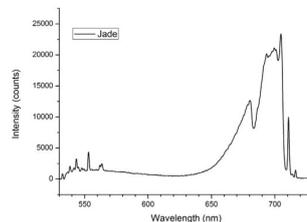
Graphene Spectrum and chemical mapping using 532nm excitation.

## Surface Enhanced Raman Scattering

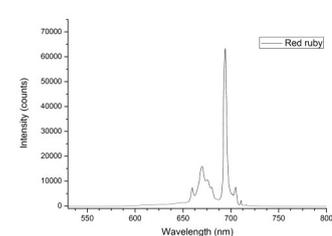


SERS enhancement of weak Raman signal by  $10^6$  times is very useful in applications involving low concentration detection.

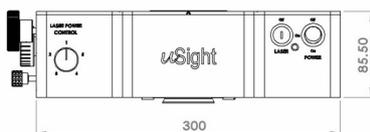
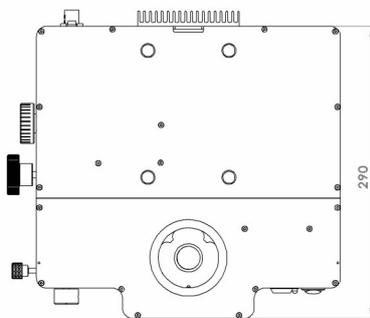
## Photoluminescence



Photoluminescence sample of Jade with 532nm excitation.



Photoluminescence sample of Red Ruby with 532nm excitation.



uSight-X

## uSight-X Micro-Spectrometer

Laser	532 nm	633 nm	785 nm
Laser Type	Single Mode Frequency-Stabilized		
Laser Power	70 mW	70 mW	100 mW
Laser FWHM Bandwidth	~100 MHz	~150 MHz	~105 MHz
I/O Control	Shutter ON/OFF and modulation		
Power Supply	5 Vdc		
Dimensions	Length x Width x Height (cm) 30 x 29 x 8.5		

Contact us for free sample evaluation today!

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