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Application Note: Spectral Imaging Solutions

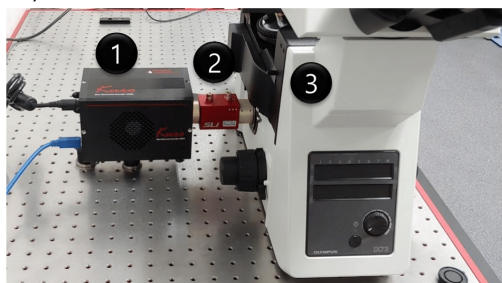
A new application note detailing how to use our tunable filters (Flexible Wavelength Selectors) to turn ordinary fluorescence microscope into a spectral imaging microscope.

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FWS with Microscope Camera



a)



Flexible Wavelength Selector (FWS) is a new type of tunable filter for both illumination and imaging. In this application note, we show that FWS can be used with commercial microscope and research camera to build a spectral imaging setup.

The emission port of the microscope was modified with a commercially available part to contain an SM1 tab. Then with some additional parts from SLI, it was possible to mount FWS devices directly to the emission port of the microscope. Afterwards, the optional c-mount of FWS was used to mount directly to the CMOS camera.

b)

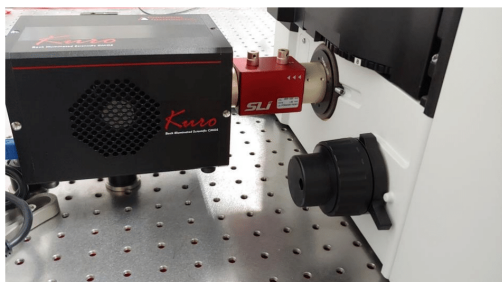


Figure 1a and b. Assembly of 1) CMOS camera, 2) Flexible Wavelength Selector (FWS) CenterLine and 3) microscope body (Olympus IX73)

"One-Box" Tunable Laser System now available

A new tunable laser system combining our FWS-Poly with a supercontinuum laser.



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Wavelength Selector

A truly revolutionary tool for spectroscopy and spectral imaging.

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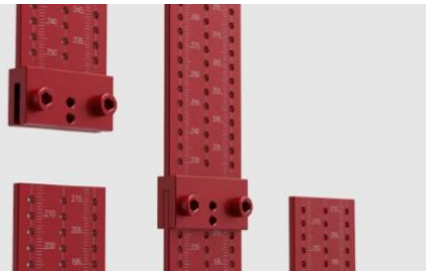
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