

Optronic Laboratories is excited to announce that the OL 490 Agile Light Source is now available in the NIR wavelength range. The OL 490 redefines existing technologies and unlocks new emerging capabilities for programmable spectral sources. Utilizing Digital Light Processor (DLP®) technology from Texas Instruments, the OL 490 provides an unprecedented level of flexibility and power via high speed programmable spectral illumination. It produces high resolution spectra via a flexible liquid light guide over the near-infrared wavelength range with under 5nm FWHM bandwidth peaks. It features high-speed USB interface, and an external lamp port to support a variety of input configurations. The easy-to-use software controls allow emulation of complex optical filter systems and rapid spectral rates up to 12.5 kHz with modulation rates to 6.25 kHz. Software slider controls allow real time creation of your own spectra - changing properties of wavelength, bandwidth and intensity of multiple spectral lines or render spectral structures from imported files cloned from measured sources. External hardware triggers allow for automated synchronized high speed operation with other devices such as imaging instrumentation and test systems. Applications such as chemometrics, truthing of hazardous materials, forensics, hyperspectral and bioscience imaging are now easier, faster and more cost effective than ever before.