

ULTRASTABLE LASER

The rack-mountable ORS-Mini Ultrastable Laser System delivers ultra-narrow linewidth laser light with excellent frequency stability. The system's centerpiece is a high-finesse Fabry-Pérot cavity (cubic spacer with a length of 5 cm) serving as a reference for a CW laser. The reference cavity is acoustically isolated allowing for excellent performance also in rough laboratory environments.



<https://www.menlosystems.com/products/ultrastable-lasers/ors-mini/>

Compact multispectral camera



The TOUCAN Multispectral camera (SILIOS) is specially designed to allow high integration of VIS+NIR multispectral systems. This lightweight (less than 180g) and very small footprint (52×63×40mm)

camera splits the image into 10 spectral bands on a very large range (400-900nm). Made by hybridization of a custom Bayer-like mosaic filter on a commercial 4.2 MPixel CMOS Sensor, it allows extracting the spectrum on each point of the image.

<https://www.silios.com/toucan-camera>

Multiple color laser

Prima is a compact laser module offering 3 individual emission wavelengths that can be operated in picosecond pulsed and continuous wave (CW) mode. The picosecond pulses can be triggered either by the module's internal clock or by an external oscillator at up to 200 MHz. Prima provides laser light at three wavelengths: 635, 510, and 450 nm. Each color can be generated individually, one at a time.

<https://www.picoquant.com/products/category/picosecond-pulsed-sources/prima-stand-alone-3-color-picosecond-laser>



HIGH-POWER LED LIGHT SOURCE



The SLED 1000 Series is a super-luminescent LED light source with high output power, large bandwidth and low spectral ripple. It comes in

various wavelength models to address applications in the telecom and datacom markets. The SLED is a single-slot PXIe module and is ideal for building a customized optical testing platform that delivers reliable and repeatable results in manufacturing or R&D environments.

<https://www.quantifotonics.com/products/lasers-amplifiers/pxi-sled-1000-series/>

In-vivo NIR hyperspectral imaging and spectrometer

The *in-vivo* hyperspectral imaging system for the NIR II SWIR domain (800-1700nm), IR VIVO Photon etc., is now available with an infrared microplate reader, VladimIR™, and an infrared spectral probe, IRina™. VladimIR captures full fluorescence spectra from 900 nm to 1600 nm and the transmittance spectrum from 500 nm to 1600 nm while IRina™ is an in-vivo NIR-II spectrometer ideal to quantitate bio-photon emissions and visualize spectral shifting of activity-based sensors in real-time.



<https://www.photonetc.com/products/irina>