

Deformable Mirror for Microscopy & Ophthalmology

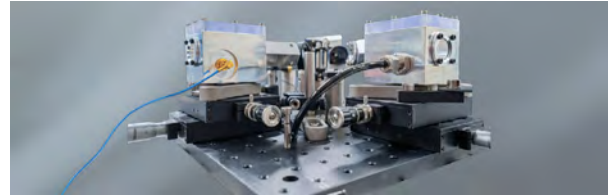


mu-DM from mu-Imagine is a deformable mirror optimized for microscopy and ophthalmology. It can be used in open-loop or, when combined with a wavefront analyzer, in closed-loop configurations. mu-DM significantly enhances contrast and

resolution when imaging biological objects by correcting aberrations and/or shaping the Point Spread Function (PSF).

<https://mu-imagine.com/mu-dm/>

COMPACT SINGLE-SHOT CEP-METER



Madeira (UltraFast Innovations) is a single-shot phase meter that facilitates single-shot measurements of the carrier-envelope-phase (CEP) of few-cycle femtosecond laser pulses. Madeira does not require high vacuum or multi-channel plates, which guarantees simple and user-friendly operation. MADEIRA operates in the wavelength range 500nm-1000nm at a repetition rate of up to 10 kHz.

www.ultrafast-innovations.com/devices/MADEIRA.html

Single Photon Counting Confocal Microscope



Luminosa from PicoQuant is a single photon counting confocal microscope. It includes a versatile excitation system with laser wavelengths from 375 to 1064 nm and a fine-tuned observation volume for FCS and single molecule FRET experiments. Applications include dynamic structural biology at the single molecule level, cellular mechanisms driven by phase separation, mapping dynamics and structure of cellular membranes...

<https://www.picoquant.com/products/category/fluorescence-microscopes/luminosa-single-photon-counting-confocal-microscope>

AIR-COOLED FEMTOSECOND LASER



The aeroPULSE FS10 is a rugged and compact medical-grade femtosecond fiber laser based on NKT Photonics's

crystal fiber platform. The aeroPULSE family uses state-of-the-art mode-locking technology to deliver ultra-short femtosecond pulses with outstanding long-term stability, superior pulse-to-pulse stability, and low noise. It is ideal for applications such as optogenetics, ophthalmology, medical device manufacturing, and material processing.

<https://www.nktphotonics.com/products/femtosecond-lasers/aeropulse-fs10/>

Uncooled Detector for Infrared and THz Radiation



PR No1 from LASER COMPONENTS is a pyroelectric receiver that aims at uniting high-quality detector technology with high-end electronics. The uncooled device is available in two versions, each optimized for long-wave infrared (LWIR) and THz radiation. Its 3-dB bandwidth is 8 kHz.

www.lasercomponents.com/de-en/news/uncooled-detector-for-infrared-and-thz-radiation/



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