

HIGH POWER FEMTOSECOND LASER

Next-Level Performance, Packaging, and Price

- Sub-55 femtosecond pulse duration
- Integrated dispersion compensation
- Compact, monolithic
- Turn-key operation



Tech Specs

Wavelength	1030 – 1130 nm
Pulse Duration	< 55 fs
Repetition Rate	37.5 MHz
Average Power	> 3 W
Pulse Energy	> 75 nJ
Beam Quality	< 1.3
Polarization	Linear, Vertical

Physical

Dimensions	190 x 138 x 87 mm
Cooling	Air
Power	USBC-PD
Dispersion Control	USB 2.0, Software
Pulse train output	3.3V BNC

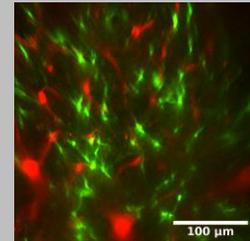
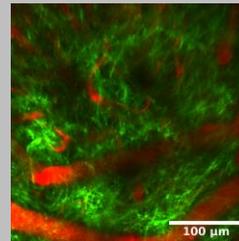
Applications

Nonlinear Microscopy

- Multiphoton Fluorescence
- Second Harmonic

Research and Industrial

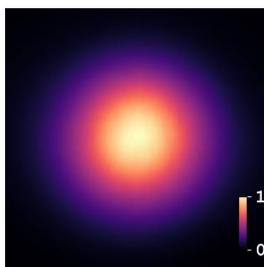
- THz Generation
- Two-photon polymerization
- Ultrafast spectroscopy
- Materials Processing



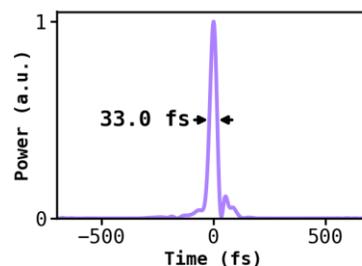
Brain imaging in a live, anesthetized mouse using two-photon fluorescence microscopy excited by the Kyma Laser. Blood vessels labeled with Texas Red-dextran (red). A subset of neurons express yellow fluorescent protein (YFP; green). Projections of 20- μ m thick image stacks at depths of 45 μ m (left) and 210 μ m (right).

Images credit of Schaffer-Nishimura Lab, Cornell University.

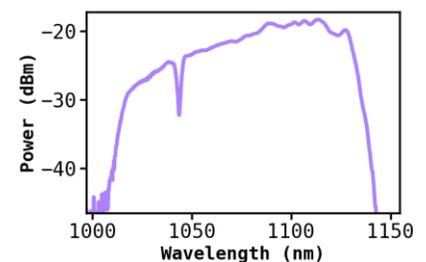
Typical Beam Profile



Typical Pulse Measurement



Typical Spectrum



Contact
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 Specifications subject to change