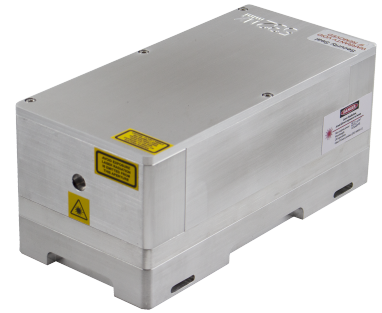


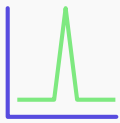
532 NX

High-power SLM CW DPSS laser



Our 532 nm laser delivers unrivalled single-frequency performance at market-leading output powers from a small footprint – making it suitable for integration with existing systems and a wide range of applications. The 532 NX provides outstanding beam characteristics, high output stability, extremely low noise, and a versatile software package.

Key features



Ultra-narrow linewidth
 $< 0.5 \text{ MHz}$



High power stability
 $< 2\%$ over 8 hours



High spectral stability
 $< 1 \text{ pm}$ over 8 hours



Excellent beam quality

Applications

Holography, imaging, raman spectroscopy, semiconductor, metrology, flow cytometry brillouin scattering, interferometry, optical manipulation ... and more.

Specifications

Output Beam Parameters:

Output Power	up to 2000 mW
Wavelength	532 nm
Spectral Bandwidth	$\leq 0.5 \text{ MHz}$
Spatial Mode	TEM ₀₀
Spectral Stability	$\pm 1.0 \text{ pm}$ (over 8 hour operation)
Coherence Length	$> 100 \text{ m}$
Output Power Stability	$\leq 2.0 \%$ (over 8 hour operation)
Output Power Noise	$\leq 0.1 \%$ RMS (10 Hz – 10 MHz)
Beam Divergence	$\leq 2.5 \text{ mrad}$, diffraction limited
Beam Diameter at Output Aperture	0.6 – 1.2 mm
Beam Pointing Stability	$\leq 5 \mu\text{rad}/^\circ\text{C}$

Integration Features:

Plug-In USB Connectivity	Combined Heatsink
Versatile Control Software	Remote Diagnostic Support

Laser Head Dimensions:

L x W x H	240 x 150 x 100 mm
Beam Height	65 mm

Environmental Conditions:

Ambient Temperature Range	18 – 30 °C
Laser Head Interface Stability	$\pm 1.5 \text{ }^\circ\text{C}$
Storage	0 – 50 °C
Humidity	5 – 95 %, non-condensing
Laser Head	Hermetically sealed

Optional Accessories:

Heatsink	Fan-Assisted air-cooled or Water-Cooled with Thermoelectric Chiller
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External Manual Power Control	0 – 100 %, continuous
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Warranty:

12 Month Warranty	For laser head and controller
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