

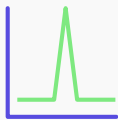
# 532 NX

## 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, ultra-stable output, extremely low noise, and high-efficiency operation.

### Key features



**Ultra-narrow linewidth**  
 $< 0.5$  MHz



**High power stability**  
 $< 1\%$  over 8 hours



**High spectral stability**  
 $< 1$  pm over 8 hours



**Excellent beam quality**

### Applications

Holography, imaging, Raman spectroscopy, semiconductor, metrology, flow cytometry, Brillouin scattering, interferometry, optical manipulation ... and more.

Distributed by:  
 Laserand, Inc.  
 Montreal, Canada  
 tel: (514) 452-4693  
 email: sales@laserand.com

### Specifications

#### Output Beam Parameters:

Output Power	up to 2,000 mW
Wavelength	532 nm
Spectral Bandwidth	$\leq 0.5$ MHz
Spatial Mode	TEM <sub>00</sub>
Spectral Stability	$\pm 0.2$ pm (over 8 hour operation)
Coherence Length	$> 100$ m
Output Power Stability	$\leq 1.0$ % (over 8 hour operation)
Output Power Noise	$\leq 0.1$ % RMS (10 Hz – 10 MHz)
Beam Divergence	$\leq 1.0$ mrad, diffraction limited
Beam Diameter at Output Aperture	0.7 – 1.1 mm
Beam Pointing Stability	$\leq 5$ $\mu$ rad/ $^{\circ}$ 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 $^{\circ}$ C
Laser Head Interface Stability	$\pm 1.5$ $^{\circ}$ C
Storage	0 – 50 $^{\circ}$ C
Humidity	0 – 50 %, non-condensing
Laser Head	Hermetically sealed

#### Optional Accessories:

Heatsink	Fan-Assisted air-cooled or Water-cooled 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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