

# Skylark 532

Single frequency CW C-DPSS  
VIS laser

The Skylark 532 laser delivers unrivalled single frequency performance at market-leading output powers from a compact footprint. 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 spectral stability**  
< 1 pm over 8 hours



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



**Integrated design**  
Easy to install

## Applications

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

## Specifications

### Output beam parameters

Output power	up to 2,000 mW
Wavelength	532 nm
Spectral bandwidth	≤ 0.5 MHz
Spatial mode	TEM00
Spectral stability	± 0.2 pm (over 8 hour operation)
Coherence length	> 100 m
Output power stability	≤ 1.0 % (over 8 hour operation)
Output power noise	≤ 0.1 % RMS (10 Hz - 10 MHz)
Beam divergence	1.0 mrad, diffraction limited
Beam diameter at output aperture	0.7 - 1.1 mm
Beam pointing stability	≤ 5 μrad/°C

### 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	± 1.5 °C
Storage	0 - 50 °C
Humidity	0 - 50 %, non-condensing
Laser head	Hermetically sealed

### Integration features

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

### Optional accessories

Heatsink	Fan-assisted air cooled or, Water-cooled thermoelectric chiller
External manual power control	0 - 100 %, continuous

### Warranty

12 month warranty	For laser head and controller
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