



532/1064 nm Dual Output Picosecond Laser STR1064Dichro



2023 V1

For customized projects please Contact us:

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532/1064 nm Dual Output Picosecond Laser – STR1064D

STR1064D features a dual-port design and may provide high-power output at both 1064nm and 532nm simultaneously. It gives customers the ultimate flexibilities in constructing multi-purpose photonic systems. The proportion of 1064 and 532 output power can be customized upon user request. The laser is an easy-to-use turn-key system and can also be computer controlled.

STR1064D is ideal for materials research such as TCSPC, SHG/THG imaging, pump-probe spectroscopy, and other nonlinear optical applications. It can meet a broad range of R&D requirements of the photonics and materials research community



Key Features

- Double wavelength output
- High peak power
- Linear polarization
- Diffraction-limited beam

Applications

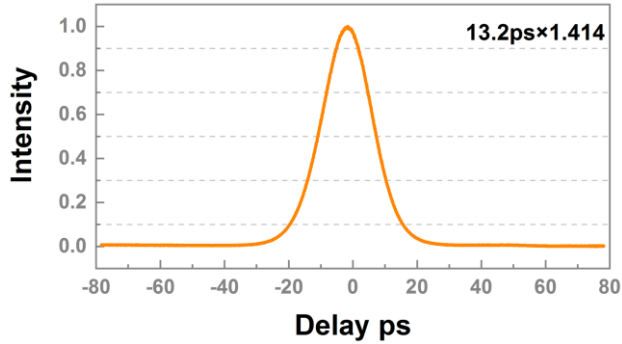
- SHG Imaging
- Two-photon Polymerization
- Multiphoton imaging
- Time-resolved fluorescence

Main Specification

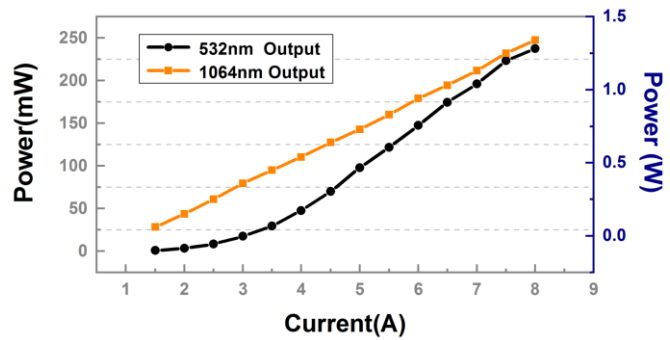
Laser Parameters			
Operating Wavelength	nm	1030 -1064 nm	515 - 532 nm
Pulse Width (FWHM)	ps	< 15 ps	
Polarization Extinction Ratio	dB	> 20 dB	
Repetition Rate	MHz	20 - 50 MHz	
Average Power	W, mW	1 W	700 mW
Average Power Stability	% RMS	< 0.5 %RMS (12h@25°C)	
Beam Quality		$M^2 < 1.1$	TEM ₀₀
Output Type		With collimator, spot diameter < 2 mm	
Electrical, Environmental and Mechanical Parameters			
Supply Voltage	VAC, VDC	100-240 VAC	12 VDC
Operational Temperature Range	°C	15-35	
Operational Humidity Range	°C	20-80 (non-condensing)	
Weight	kg	17	8
Dimensions	mm (LxWxH)	387 x 298 x 115 mm	436 x 186 x 135.5 mm
Cooling		Air Cooling	

Test Data

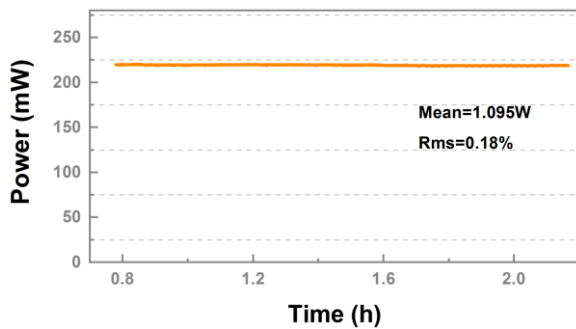
Output Spectrum



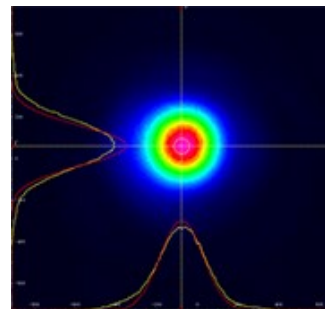
Output Power



Power Stability



Beam Quality



Machine Drawing

