

High Power Supercontinuum Source SC-Pro-Dual

YSL Photonics' SC-Pro-Dual is the latest supercontinuum source and used for the main application of CARS. It delivers a wide spectral output ranging from 400nm to 2400nm with a 1064nm synchronous output signal. SC-Pro-Dual has a widely adjustable repetition rate from 0.01-200MHz and offers >1.5uJ pulse energy (@1MHz), making it the ideal source for super resolution microscopy. The >40MHz repetition rate capability makes it an ideal source for the applications such as fluorescence, nanophotonics, flow-cytometry, OCT and etc.

Features:

- Total power: > 5W
- SC wavelength: 400nm-2400nm
- 1064nm sync output
- Internal Repetition Rate: 0.01-200MHz
- 1064nm line width: < 0.5nm

Applications:

- CARS spectrum detection
- Photocurrent microscopy
- Nanophotonics
- Super-Resolution Imaging
- Fluorescence Spectroscopy and Microscopy



Specifications :

Model	SC-PRO-Dual	
Output	SC Output	1064nm Output
Total Power	>5W	>8W
Repetition Rate	10kHz-200MHz adjustable	
Visible Power	>700mW	
Power Stability	<1%	<1%
Pulse Energy	>1.5uJ	>1.5uJ
Wavelength Range	400nm-2400nm	<0.5nm
Pulse Width	~100ps	
Length of Output Fiber	1.5m	1.5m
Beam Diameter and Quality	~2mm@633nm ; M ² <1.1	
Beam Divergence	<1mrad	
State of Polarization	Unpolarized	
Sync(trigger) Output	SMA NIM pulse	
Power Requirements	100-240V 50/60Hz	
Dimensions(L*W*H)	400mm*300mm*180mm	
Weight	18kg	

Optional seed laser pulse duration: 50ps or 5ps

