

Supercontinuum Source SC-PRO

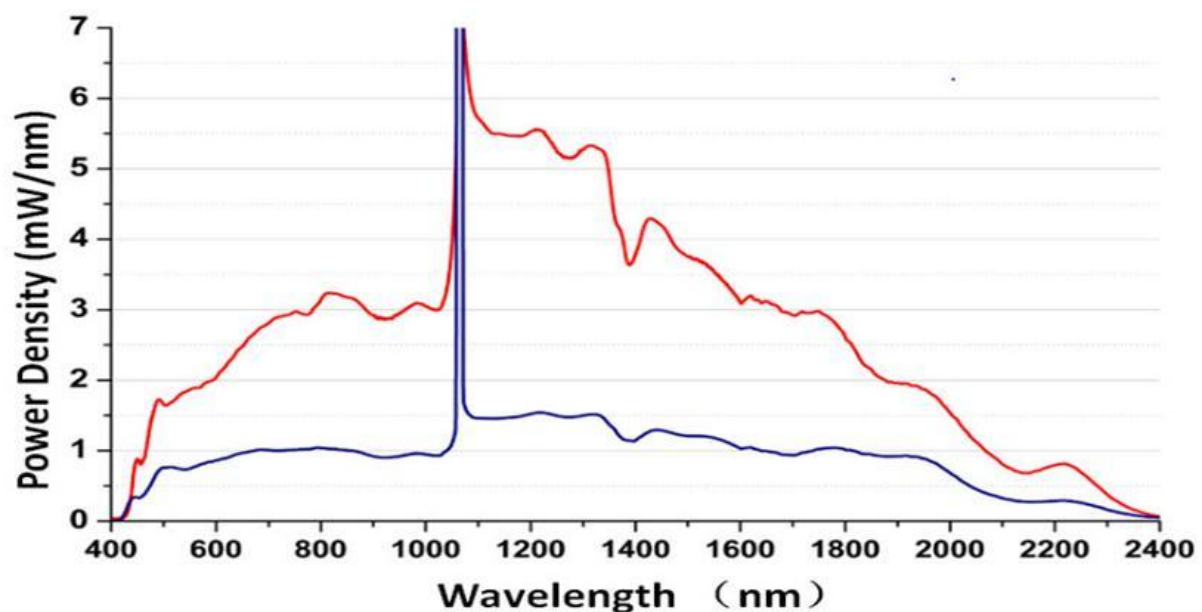
YSL Photonics' SC-PRO is the latest high power supercontinuum source with enhance visible content. It delivers a wide spectral output ranging from 400nm to 2400nm with over 4W total power. SC-PRO offers >1uJ pulse energy (@1MHz), making it the ideal source for super resolution microscopy. The >2mW/nm power density (@4MHz, High spectrum density over the whole spectrum) makes it the ideal source for the various applications like fluorescence, nanophotonics, flow-cytometry, OCT and etc.

Features:

- Self-designed highly reliable seed laser
- Wavelength: 400nm-2400nm
- Pulse energy up to 1uJ
- Total power: up to 4W, optional 8W
- Single-mode output
- NIM trigger signal output, externally triggerable

Applications:

- Photocurrent microscopy
- Nanophotonics
- Super-resolution imaging
- Fluorescence spectroscopy and microscopy
- OCT
- IR spectroscopy



Typical Spectrum of SC-PRO

Specifications :

Model	SC-PRO
Total Power (Full spectrum)	>4W
Visible Power	>900mW(4MHz)
Power Stability	<1%
Repetition Rate	100kHz-25MHz adjustable ,minimum 100kHz step size (1Hz-1kHz, 5V TTL in)
Maximum Pulse Energy	Up to 1uJ
Wavelength Range	400nm-2400nm
Fundamental Pulse Width	~ 100ps
Beam Diameter and Quality	~2mm@633nm; M ² <1.1
Beam Divergence (half angle)	<1mrad
State of Polarisation	Unpolarised
Length of Output Fiber	1.5m
Computer Interface	USB
Sync(trigger) Output	SMA NIM pulse
Power Requirements	100-240V 50/60Hz
Dimensions (L*W*H)	360mm*260mm*125mm
Weight	<20kg

Optional 8W@25MHz

