

High Power Supercontinuum Source SC-Pro

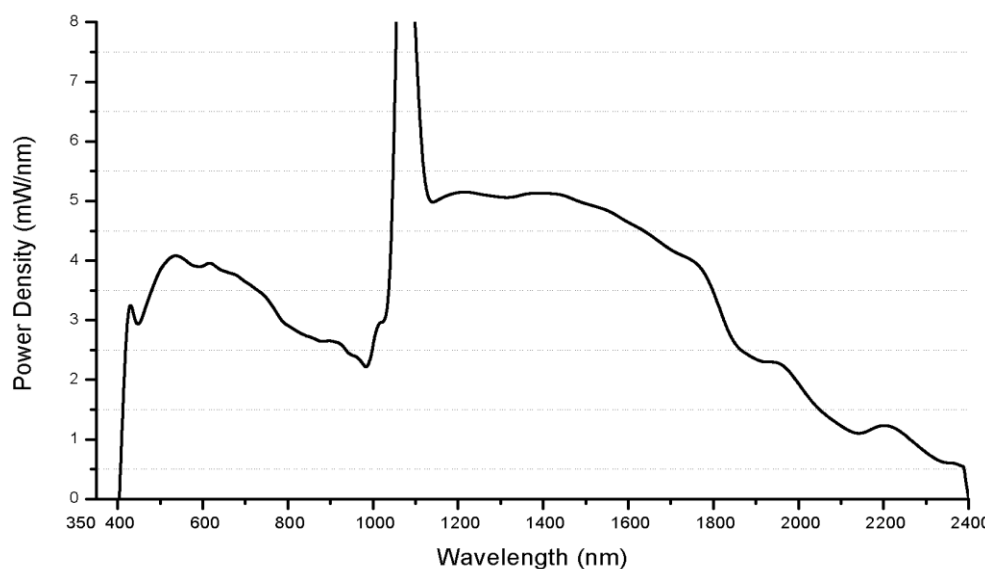
YSL Photonics ' SC-Pro is the latest high-power supercontinuum source with variable repetition rate from 10kHz to 200MHz. It delivers a wide spectral output ranging from 400nm to 2400nm with 8W total power (10-20W optional). It has the unique feature of 1MHz-80MHz external triggerable range which could be very useful for locking to the mode-locked laser for pump-probe application. SC-Pro offers $>1\mu\text{J}$ pulse energy (@1MHz), making it the ideal source for super resolution microscopy. The 10kHz to 200MHz repetition rate capability makes it an ideal source for the applications such as low noise OCT, fluorescence microscopy, nanophotonics and etc.

Features:

- Wavelength: 400nm-2400nm
- Total power: 8W (10-20W Optional)
- Internal Repetition Rate: 0.01-200MHz
- External Triggerable (Optional): 1MHz-80MHz
- Pulse Energy: $>1\mu\text{J}$

Applications:

- OCT
- Fluorescence Spectroscopy and Microscopy
- Nanophotonics
- Super-Resolution Imaging
- Photocurrent microscopy



8W SC Pro Typical Spectrum (4MHz)

Specifications :

Model	SC Pro
Total Power	>8W
Wavelength Range	400-2400nm
Pulse Energy	>1 μ J
Visible Power	>1200mW
Power Stability	<1%
Fundamental Pulse Width	100ps
Internal Repetition Rate	10kHz-200MHz adjustable
External Trigger (Optional)	100kHz-2MHz or 1MHz-80MHz
Beam Diameter and Quality	~2mm@633nm; $M^2 < 1.1$
Beam Divergence (Half Angle)	<1mrad
State of Polarization	Unpolarized
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) and Weight	360mm*260mm*125mm, <20kg

Optional:

Total Power: 10-20W

Fundamental Pulse Width: 50ps

