

# High Power Supercontinuum Source SC-Pro

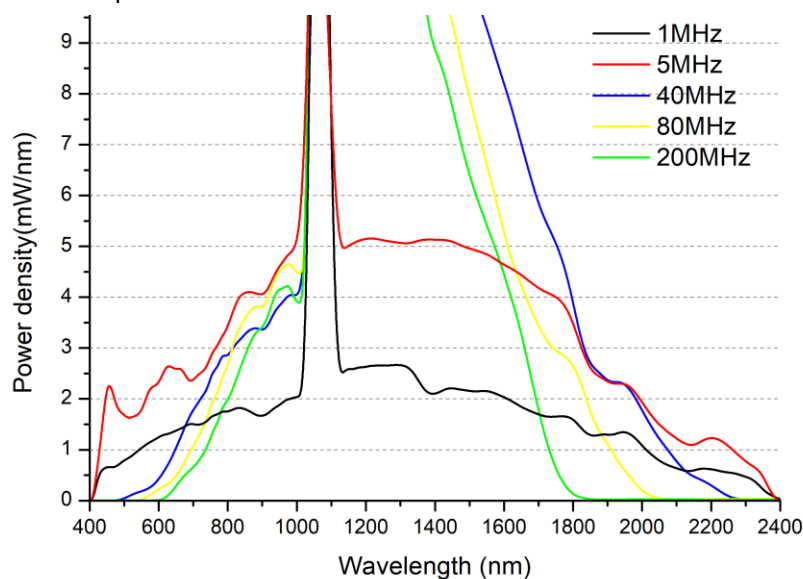
**YSL Photonics' SC-Pro** is the latest high power supercontinuum source with variable repetition rate from 10kHz to 200MHz. It delivers a wide spectral output ranging from 400nm to 2400nm with 8W total power (10-20W optional). It has the unique feature of 1MHz-80MHz external triggerable range which could be very useful for locking to the mode-locked laser for pump-probe application. SC-Pro offers >1μJ 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: >1μJ
- Single-Mode Output

## Applications:

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



8W SC Pro Typical Spectrum

## Specifications :

Model	SC Pro
Total Power	>8W
Wavelength Range	400-2400nm
Pulse Energy	>1μJ
Visible Power	>800mW
Power Stability	<1%
Fundamental Pulse Width	100ps
Internal Repetition Rate	10kHz-200MHz adjustable
External Trigerable (Optional)	100kHz-2MHz or 1MHz-80MHz
Beam Diameter and Quality	~2mm@633nm; M <sup>2</sup> <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) and Weight	360mm*260mm*125mm, <20kg

Optional:

Total Power: 10-20W

Fundamental Pulse Width: 50ps or 5ps

