High Power Supercontinuum Source SC-Pro8

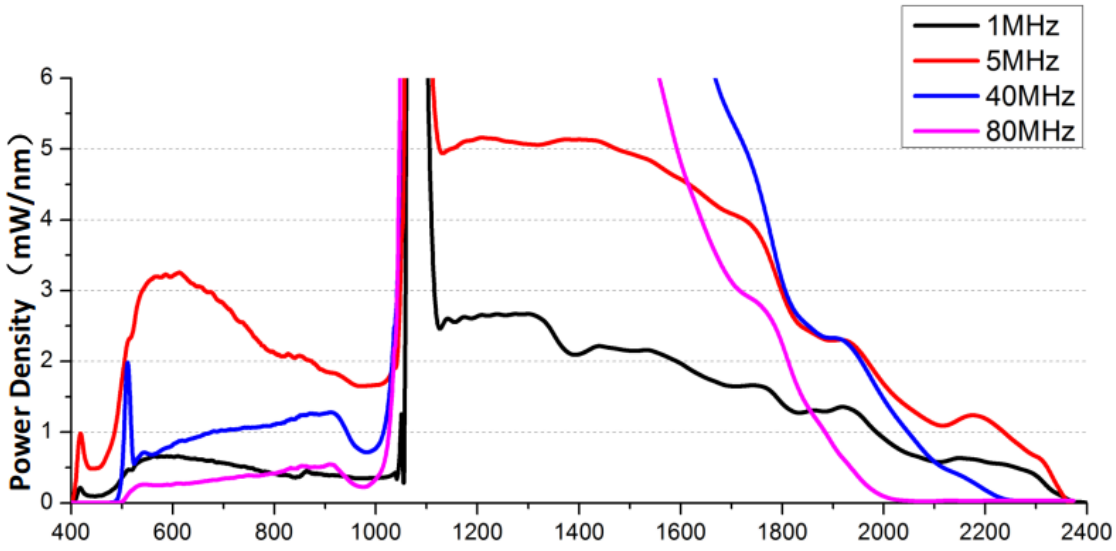
YSL Photonics ' SC-Pro8 is the latest high-power supercontinuum source with variable repetition rate from 10kHz to 200MHz. It delivers a wide spectral output ranging from 430nm to 2400nm with 8W total power (10-20W optional). It has the unique feature of 1MHz-80MHz external triggerable range which could be very useful for locking to the mode-locked laser for pump-probe application. SC-Pro8 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: 430nm-2400nm
- Total power: 8W (10-20W Optional)
- Internal Repetition Rate: 0.01-200MHz
- External Triggerable (Optional): 1MHz-80MHz
- Pulse Energy: >1μJ

Applications:

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



8W SC Pro8 Typical Spectrum

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Specifications:

Model	SC-Pro8
Total Power	>8W
Wavelength Range	430-2400nm
Pulse Energy	>1μJ
Visible Power	> 1000mW
Power Stability	<1%
Fundamental Pulse Width	~100ps
Internal Repetition Rate	10kHz-200MHz adjustable*
External Trigger (Optional) (SMA)	100kHz-2MHz or 1MHz-80MHz External trigger range 0-5V
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/RS232/Ethernet
Sync(trigger) Output (SMA)	NIM Output 0--1V TTL Output 0-3.3V
Power Requirements	100-240V 50/60Hz
Dimensions (L*W*H) and Weight	440mm*390mm*242mm, <24kg

Optional:
Total Power:10-20W
Fundamental Pulse Width:50ps
*Internal Repetition Rate:
*standard version 0.1-80MHz,
*optional version 0.1-200MHz

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