

# High Power Supercontinuum Source

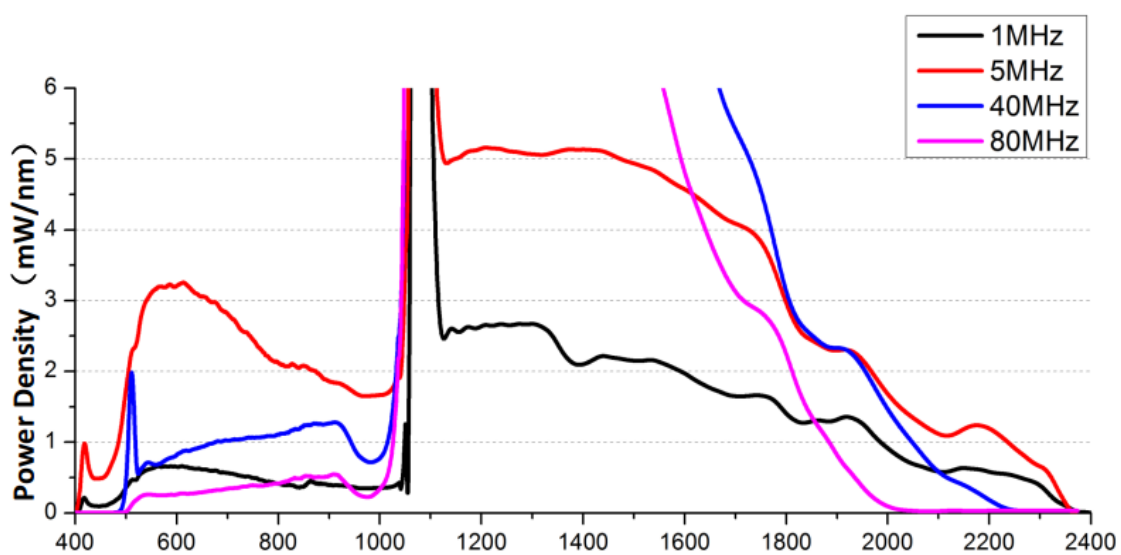
the latest high-power supercontinuum source with variable repetition rate from 10kHz to 80MHz. It delivers a wide spectral output ranging from 430nm to 2400nm with 8W total power (10-20W optional). It has the unique feature of 1MHz-80MHz external triggerable range which could be very useful for locking to the mode-locked laser for pump-probe application. SC-Pro offers  $>1\mu\text{J}$  pulse energy (@1MHz), making it the ideal source for super resolution microscopy. The 10kHz to 80MHz 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: 0.01-80MHz
- 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

## Specifications:

Total Power	>8W
Wavelength Range	430-2400nm
Pulse Energy	>1 $\mu$ J
Visible Power	> 1000mW
Power Stability	<1%
Fundamental Pulse Width	~100ps
Internal Repetition Rate	10kHz-80MHz 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
Sync(trigger) Output (SMA)	NIM Output 0--1V
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