

High Power Supercontinuum Source SC-Pro 7

YSL Photonics' SC-Pro 7 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 up to 20W total power. It provides optional 1-80MHz external triggerable function which is an ideal source for locking to the mode-locked laser for pump-probe application. SC-Pro 7 offers >1.5uJ 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: >15W
- Optional External Triggerable: 1-80MHz
- Internal Repetition Rate: 0.01-200MHz
- Pulse Energy: >1.5uJ
- Single-Mode Output

Applications:

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



Specifications :

Model	SC-Pro-7
Total Power	>15W
Visible Power	>1000mW
Power Stability	<1%
Repetition Rate	10kHz-200MHz adjustable 1MHz-80MHz External Triggerable (optional)
Pulse Energy	>1.5uJ
Wavelength Range	430nm-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 seed laser pulse duration: 50ps or 5ps

