

High Power Supercontinuum Source SC-Pro-7

YSL Photonics' SC-Pro-7 is the latest high power supercontinuum source with external triggerable function and internal AOTF wavelength selection capability. It delivers a wide spectral output ranging from 430nm to 2400nm with up to 20W total power. It provides 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 >40MHz repetition rate capability makes it an ideal source for the applications such as fluorescence, nanophotonics, flow-cytometry, OCT and etc.

Features:

- Wavelength: 430nm-2400nm
- Total power: up to 20W
- External Triggerable: 1-80MHz
- Internal Repetition Rate: 0.01-200MHz
- Pulse Energy: >1.5uJ
- Single-Mode Output

Applications:

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



Specifications :

Model	SC-Pro-7
Total Power	~20W
Visible Power	>1500mW
Power Stability	<1%
Repetition Rate	10kHz-200MHz adjustable 1-80MHz External Triggerable
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)	400mm*300mm*180mm
Weight	< 20kg

Optional seed laser pulse duration: 50ps or 5ps

