

## High Pulse Energy Supercontinuum Source SC-PRO8-HP

**YSL Photonics' SC-PRO8-HP** is the latest product for the demanding medical and industry application. The SC-PRO8-HP, with single-mode fiber output, delivers a wide spectral output ranging from 430nm to 2400nm with up to 7W total power. The SC-PRO8-HP not only maintains the traditional supercontinuum light source excellent performance, but also sets aside DB25, RS232, NIM trigger, Pulse on Demand (POD) and many other controls interface. The wide spectrum combined with laser beam quality makes it an ideal source for replacing traditional broadband source like lamp, LED, SLED or any number of laser lines in the system.

### Features:

- Wavelength 430nm-2400nm
- Total Power > 7W
- Visible Power > 1000mW
- Repetition Rate 0.1-2MHz
- Pulse Energy: >20uJ

### Applications:

- Hyperspectral Imaging
- Photoacoustic imaging
- Medical Instrumentation
- Flow Cytometry
- Optical Coherence Tomography



## Specifications:

	SC-PRO8-HP-1	SC-PRO8-HP-2	SC-PRO8-HP-4	SC-PRO8-HP-8
Total Power@2MHz	>4W	>5W	>6W	>7W
Visible Power	>1000mW			
Power Stability	<1%			
Repetition Rate	0.1, 0.2, 0.5, 1, 2MHz			
Maximum Pulse Energy@100kHz	>3uJ	>6uJ	>12uJ	>20uJ
Wavelength Range	430nm-2400nm			
Fundamental Pulse Width	~ 1 ns	~ 2 ns	~ 4 ns	~ 8 ns
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/RS232			
Sync(trigger) Output	SMA NIM pulse SMA TTL pulse			
Power Requirements	100-240V 50/60Hz			
Dimensions (L*W*H)	440mm*390mm*242mm			
Weight	<24kg			