

High Power Supercontinuum Source SC-Pro-Dual

YSL Photonics ' SC-Pro-Dual is the latest supercontinuum source and used for the main application of CARS. It delivers a wide spectral output ranging from 400nm to 2400nm with a 1064nm synchronous output signal. SC-Pro-Dual has a widely adjustable repetition rate from 0.01-200MHz and 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:

- Total power: > 5W
- SC wavelength: 400nm-2400nm
- 1064nm sync output
- Internal Repetition Rate: 0.01-200MHz
- 1064nm line width: < 0.5nm

Applications:

- CARS spectrum detection
- Photocurrent microscopy
- Nanophotonics
- Super-Resolution Imaging
- Fluorescence Spectroscopy and Microscopy

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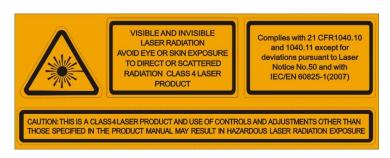




Specifications:

| Model | SC-PRO-Dual | |
|---------------------------|-------------------------|---------------|
| Output | SC Output | 1064nm Output |
| Total Power | >5W | >8W |
| Repetition Rate | 10kHz-200MHz adjustable | |
| Visible Power | >700mW | |
| Power Stability | <1% | <1% |
| Pulse Energy | >1.5uJ | >1.5uJ |
| Wavelength Range | 400nm-2400nm | <0.5nm |
| Pulse Width | ~100ps | |
| Length of Output Fiber | 1.5m | 1.5m |
| Beam Diameter and Quality | ~2mm@633nm; M²<1.1 | |
| Beam Divergence | <1mrad | |
| State of Polarization | Unpolarized | |
| Sync(trigger) Output | SMA NIM pulse | |
| Power Requirements | 100-240V 50/60Hz | |
| Dimensions(L*W*H) | 400mm*300mm*180mm | |
| Weight | 18kg | |

Optional seed laser pulse duration: 50ps or 5ps



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