

Supercontinuum Light Source

FREQUENCY COMBS & SUPERCONTINUUM



Supercontinuum Light Source Launched by Precilasers, the supercontinuum light source covers a broad spectral range of 430nm-2400nm, with a maximum total output optical power of 20W. It is also equipped with a visual operating interface and supports real-time software monitoring, making it suitable for professional fields such as optical coherence tomography, optical communication, and precision measurement.

- Total output optical power
- Visible light power
- Spectral range
- Repetition rate
- Optional
- Hz Visual operating interface
- Real
- Optical Coherence Tomography Optical

Specifications

Parameter	Preci-SuperC-XX (1)
Visible power (430-960nm)	3W
Power spectral density	>2mW/nm@532-900nm
Total power	10W
Repetition rate	80MHz
Polarization	Unpolarized
Beam quality	$M^2 \leq 1.1$ @532-900nm
Beam spot diameter	$\approx 0.7 \pm 0.3$ mm@ 532nm, @ 633nm $\approx 1.2 \pm 0.3$ mm@780nm, @ 900nm
Beam spot circularity	$\geq 90\%$ @532nm-900nm
Collimated output beam pointing angle	≤ 1 mrad
Power stability	rms $\leq 1\%$ @ 24h, 1s
Warm-up stabilization time (from power-on to stable power)	≤ 30 min
Computer interface	USB2.0/RS485-422
Operating voltage	110-240VAC, 50/60Hz
Power consumption	300W
Safety interlock	Interlock
External bus interface	DB9
Display screen	Touchscreen
Cooling method	Water cooling/Air cooling
Water-cooled chassis	Optional
Fiber output length	1.5m armored fiber
Output method	Fiber collimator
Operating temperature	18-30°C
Storage temperature	-10-55°C
Dimensions	420mm*420mm*200mm
Weight	30kg

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.