



新特光电
Sintec Optronics

Chromaticity 520

Ultrashort pulses at 520 nm



01 Applications

- Semiconductor metrology
- Free space quantum comms
- Quantum imaging
- FLIM
- Nanophotonics
- Pump source for OPO

02 Technical Overview

- Up to 2 W average power
- Pulse duration < 150 fs
- 100 MHz Repetition frequency
(other repetition frequencies are available)
- Access to 1040 nm pulses

03 Features & Benefits

- Compact air-cooled systems
- Remote installation capability
- Plug & Play functionality
- Simple OEM integration
- Fiber delivery capability
- Competitive price point

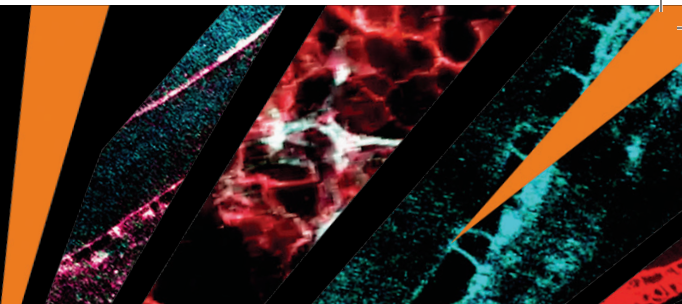
Pumped by a Chromacity 1040 ensures delivery of high quality ultrashort pulses in the green.



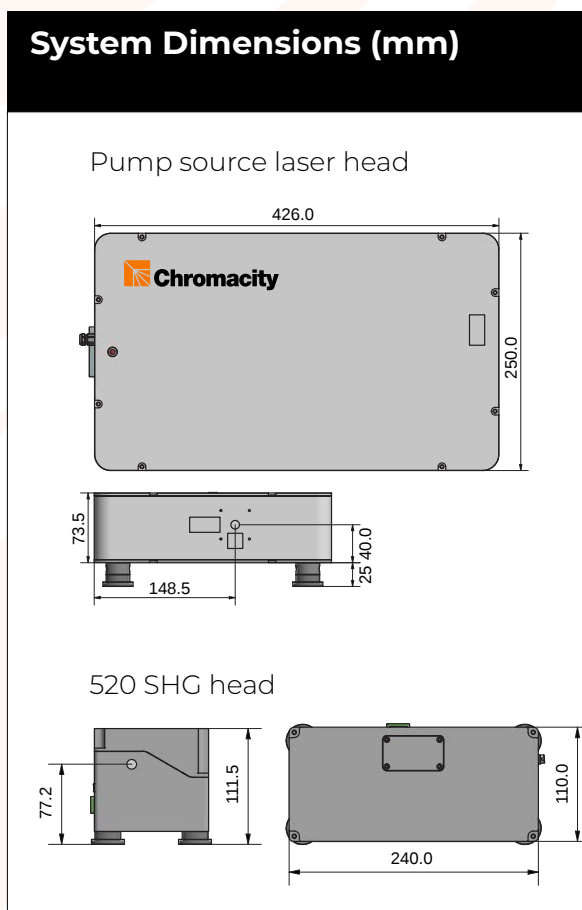
新特光电
Sintec Optonics

Chromacity 520

520 nm ultrafast source

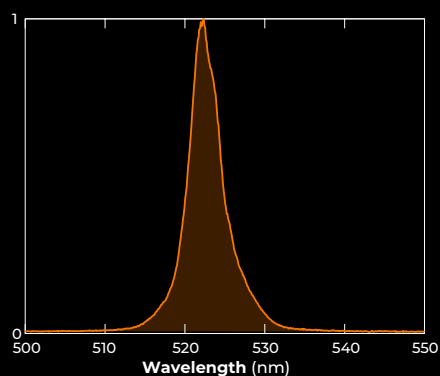


Specifications	Chromacity 520	
Output power	Up to 2 W	
Wavelength	520 nm (1040 nm also available)	
Pulse duration	< 150 fs	
Repetition frequency	100 MHz	
Beam parameters	Free space, Linearly polarized	
Beam diameter	1.0 mm (+/- 0.2 mm)	
Control interface	Web browser interface Ethernet & serial port (RS232) also available	
Electrical	Voltage 110 – 240 V AC, Frequency 50 – 60 Hz, Power 80 W	
Dimensions (mm)	PSU 483 x 255 x 177 mm (19" 2U rack mount)	
	Pump source laser head 426 x 250 x 108 mm	520 laser head 240 x 114 x 90 mm



Optical Spectrum

Typical bandwidth of 3-4 nm (FWHM)



Autocorrelation Measurement

indicating pulse duration of 97 fs

