SpitLight
Scientific Lasers

SpitLight EVO S and I OPO

Features

- Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 500 Hz
- High OPO pulse energies combined with high average power (up to 50 mJ / 8 W)
- Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- SpitLight Software including full Laser control, OPO wavelength calibration and Remote Client Interface for easy Software integration
- Many integrated options available like energy monitor, spectrometer, fiber coupling, fast attenuation, low divergence output or OPO harmonic generation (210-660 nm)

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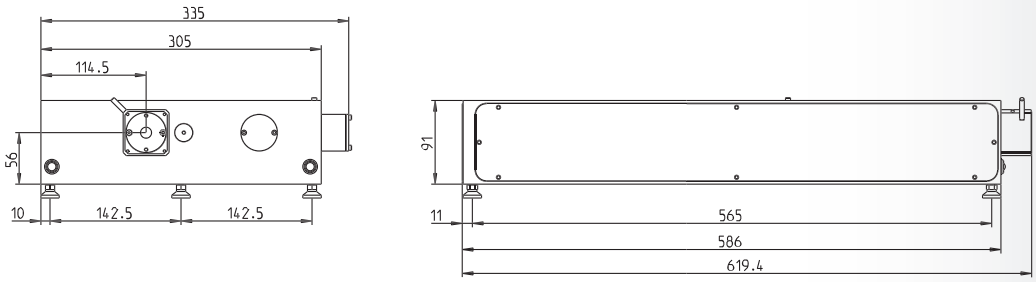
Model		SpitLight EVO S OPO Broadband	SpitLight EVO S OPO Midband	SpitLight EVO I OPO Broadband	SpitLight EVO I OPO Midband
Laser Parameters	Repetition Rate	1-500 Hz (following specifications are for 100 Hz)			
Energy	Pulse Energy @ 532 nm	> 80 mJ		> 100 mJ	
	Pulse Energy @ 355 nm	> 50 mJ		> 65 mJ	
Beam Parameters	Pulse Width	4 - 7 ns			
	Beam Diameter	5 mm			
OPO	Tuning Range (532 nm pumped)	680-980 nm (signal) 1180-2400 nm (idler)	670 - 1090 nm (signal) 1050 - 2500 nm (idler)	680 - 980 nm (signal) 1180 - 2400 nm (idler)	670 - 1090 nm (signal) 1050 - 2500 nm (idler)
	Tuning Range (355 nm pumped)	410 - 680 nm (signal) 740 - 2500 nm (idler)	420 - 709 nm (signal) 709 - 2300 nm (idler)	410 - 680 nm (signal) 740 - 2500 nm (idler)	420 - 709 nm (signal) 709 - 2300 nm (idler)
	Wavelength Shifting Time	< 10 ms (full span)			
	Line Width	10-250 cm^{-1}	down to 5 cm^{-1}	10-250 cm^{-1}	down to 5 cm^{-1}
	Signal Output Energy @ 750 nm (532 nm pumped)*	> 25 mJ	>20 mJ	> 35 mJ	> 27 mJ
	Signal Output Energy @ 450 nm (355 nm pumped)*	> 15 mJ	> 10 mJ	> 22 mJ	> 15 mJ
Operating Parameters	Warranted Diode Lifetime	> 4 x 10^9 shots**			
	Electrical Supply	230 ± 10 % (single phase), 1,5 kW			
	Cooling Water	8 l / min, 2 - 6 bar, < 20 °C			
Weights	Laser Head	30 kg			
	Power Supply	33 kg			
Dimensions	Laser Head (L x W x H)	619 x 305 x 91 mm***			
	Power Supply	19" 4 RU			
	Chiller	19" 3 RU			



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

* Typical tuning curves are available on our homepage
** min. 80 % energy for > 4 x 10^9 shots or two years after installation – whichever comes first
*** Dimensions may vary due to different options

CE

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