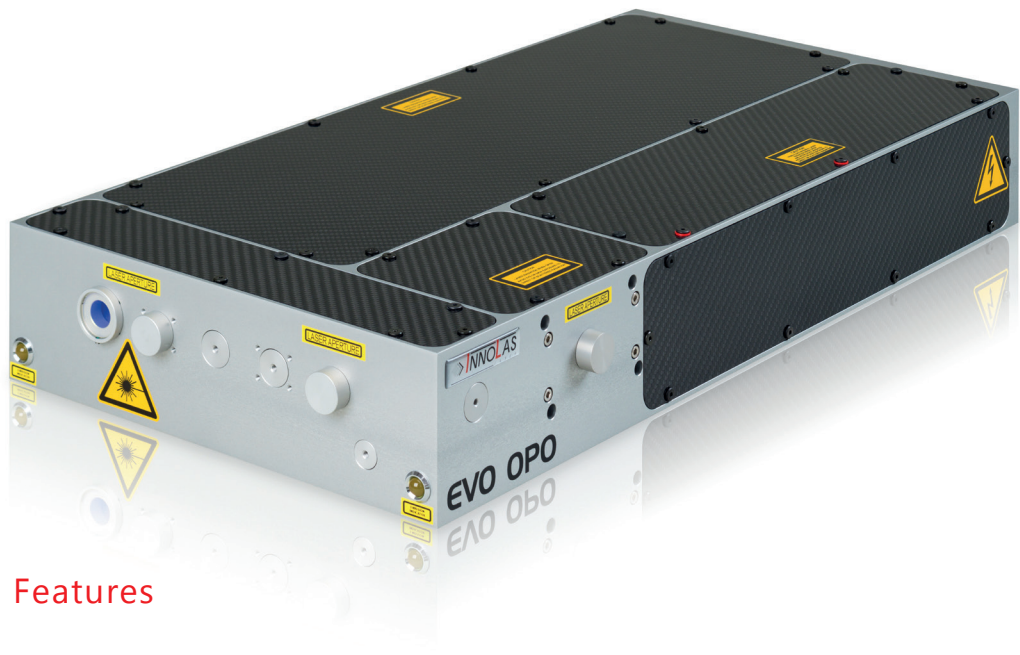


SpitLight EVO S and I OPO

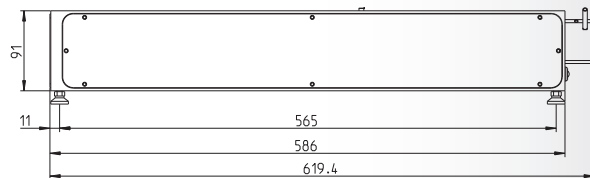
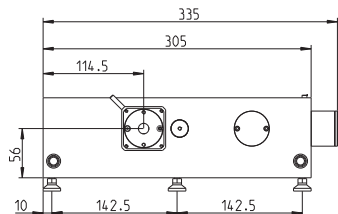


Features

- * Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 200 Hz
- * High pulse energy in each spectral region due to diode-pumped Nd:YAG laser at 355 nm or 532 nm
- * Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- * Spitlight GUI software including wavelength calibration to control the whole device
- * Remote client interface over TCP/IP for easy software integration
- * Many integrated options available like energy monitor, spectrometer, automatic wavelength calibration, fiber coupling, fast attenuation or UV generation (210-410nm)

SpitLight EVO S and I OPO

| Model | SpitLight EVO S OPO Broadband | SpitLight EVO S OPO Midband | SpitLight EVO I OPO Broadband | SpitLight EVO I OPO Midband |
|---|--|--|--|--|
| Pump Laser Parameters | | | | |
| Repetition Rate | 1-200 Hz (following specifications are for 100 Hz) | 1-200 Hz (following specifications are for 100 Hz) | 1-200 Hz (following specifications are for 100 Hz) | 1-200 Hz (following specifications are for 100 Hz) |
| Energy @ 532nm | > 80 mJ | > 80 mJ | > 100 mJ | > 100 mJ |
| Energy @ 355nm | > 50 mJ | > 50 mJ | > 65 mJ | > 65 mJ |
| Beam Diameter | 5 mm | 5 mm | 5 mm | 5 mm |
| OPO | | | | |
| Pulse Width | 4-7 ns | 4-7 ns | 4-7 ns | 4-7 ns |
| Tuning Range (532 nm pumped) | 680-980 nm (signal) 1160-2400 nm (idler) | 670-1090nm (signal) 1050-2500 nm (idler) | 680-980nm (signal) 1160-2400 nm (idler) | 670-1090nm (signal) 1050-2500 nm (idler) |
| Tuning Range (355 nm pumped) | 410-690 nm (signal) 730-2500 nm (idler) | 420-709 nm (signal) 709-2300 nm (idler) | 410-690 nm (signal) 730-2500 nm (idler) | 420-709 nm (signal) 709-2300 nm (idler) |
| Wavelength Shifting Time | < 10 ms (full span) | < 10 ms (full span) | < 10 ms (full span) | < 10 ms (full span) |
| Line Width | 10-450 cm ⁻¹ | down to 5 cm ⁻¹ | 10-450 cm ⁻¹ | down to 5 cm ⁻¹ |
| Signal Output Energy @ 750 nm (532nm pumped) | > 25 mJ | > 20 mJ | > 35 mJ | > 27 mJ |
| Signal Output Energy @ 450 nm (355nm pumped) | > 15 mJ | > 10 mJ | > 22 mJ | > 15 mJ |
| Operating Parameters | | | | |
| Warranted Diode Lifetime | 2 years/2 billion shots* | | 2 years/2 billion shots* | |
| Electrical Supply | 208-240 VAC, 50/60 Hz, 2.0 kW | | 208-240 VAC, 50/60 Hz, 2.0 kW | |
| External Cooling Water (optional water-air cooling) | 8 l/min, 2-6 bar, <20 °C | | 8 l/min, 2-6 bar, <20 °C | |
| Weight | | | | |
| Laser Head | 30 kg | 30 kg | 30 kg | 30 kg |
| Power Supply | 33 kg | 33 kg | 33 kg | 33 kg |
| Dimensions | | | | |
| Laser Head | 617 x 305 x 91 mm | 617 x 305 x 91 mm | 617 x 305 x 91 mm | 617 x 305 x 91 mm |
| Power Supply | 19" 4 RU | 19" 4 RU | 19" 4 RU | 19" 4 RU |
| Chiller | 19" 3 RU | 19" 3 RU | 19" 3 RU | 19" 3 RU |



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

* 2 years after installation or 2 billion (2 x 10⁹) shots – whichever comes first

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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