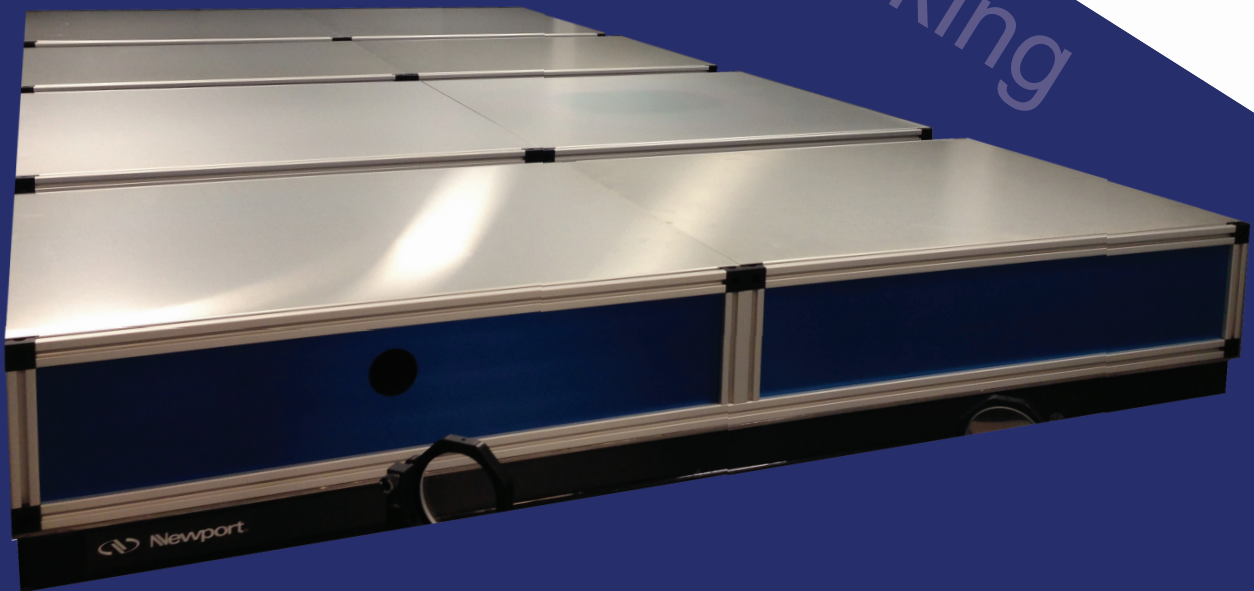




EOS Space Systems provides space debris and satellite management solutions, with the design, manufacture and installation of specialised observatories for optical and laser tracking.

Our Australian designs include high accuracy beam director telescopes, laser systems, imaging systems and pico-second time interval systems. We develop and integrate fully autonomous software control for space sensor networks and provide space situational awareness services.

Space Debris Tracking



**DIODE PUMPED
SOLID STATE
LASER**

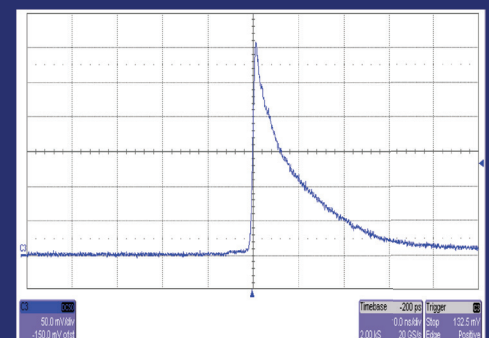
532nm or 1064nm kW Class High Average Power Diode Pumped Solid State Laser for Space Debris Tracking Applications.

FEATURES

- Diode pumped laser system capable of generating multi-Joule pulse energy with ns pulse width while maintaining good beam quality at high average power level.
- Modular version offers flexibility, easy transportation, field deployment and different modules offer different energy and average power output.
- High level of automation, reliability and extremely low level of maintenance.
- When required the output beam can be transformed to donut mode for escaping the central obscuration of the telescope.

SPECIFICATIONS

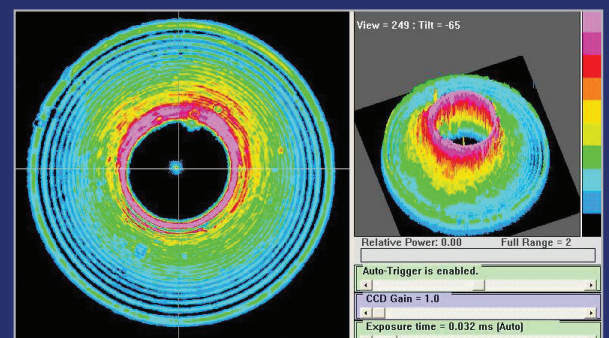
Wavelength (nm)	532 or 1064
Pulse repetition rate (Hz)	100 - 200
Output energy (mJ)	100 - 5000
Energy stability	$\pm 2.5\%$
Pulse width (ns)	5 - 20
Divergence (mR)	≤ 0.75 (full angle)
Beam quality (M^2)	≤ 3.5
Beam pointing stability (mR)	≤ 0.25



(FWHM) Pulse Width



Table Top Version



Donut Laser Beam Profile

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

Please contact us for detailed specifications, custom configurations, pricing and delivery information.

+61 (0)2 6222 7900
general-space@eos-aus.com
www.eos-aus.com/space

