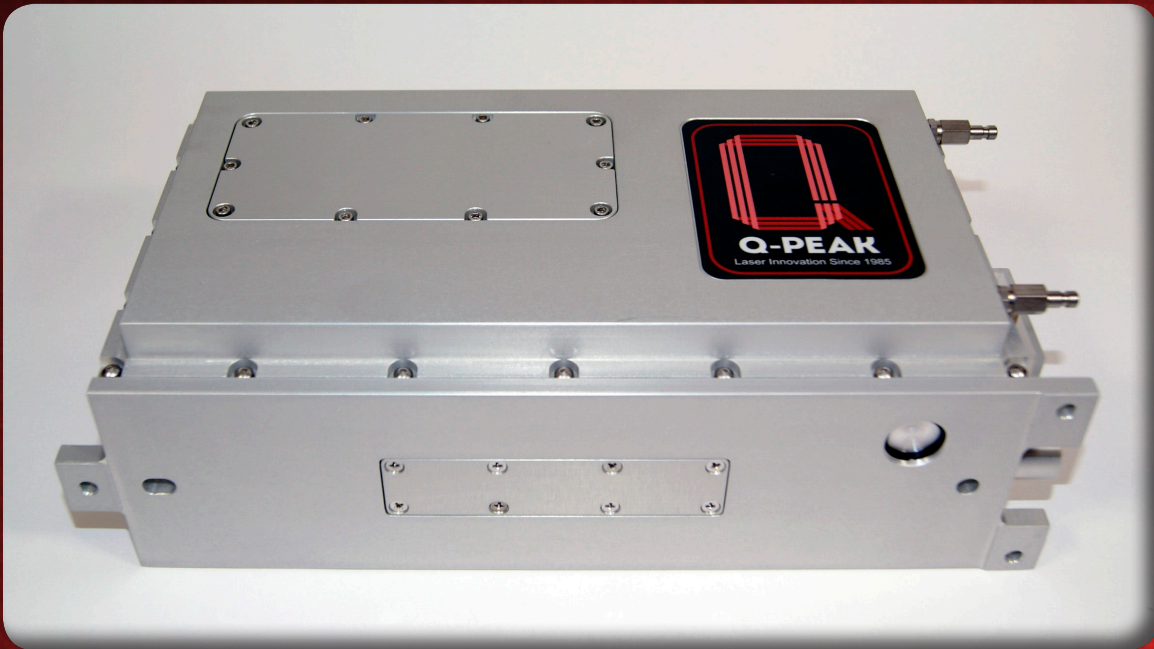




Aurora E1516

Eyesafe Illumination Laser



Q-Peak's Aurora E1516 Laser provides a hardened laser architecture for medium-energy, moderate repetition-rate pulsed eyesafe applications such as remote eyesafe illumination. Efficiently designed for minimal size, weight, and power consumption, the Aurora Laser provides an effective means of conserving system resources, while providing reliable pulsed illumination.

- **Customer Focused**
- **Experienced Staff**
- **Laser Driven Innovation**

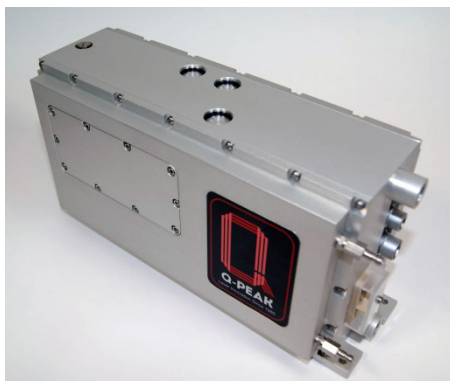


Aurora

E1516

Eyesafe Illumination Laser

Applications in Aerospace and Defense,
Remote Eyesafe Illumination.



Key Features

- Ruggedized, flight ready architecture
- Hermetically sealed cavity
- R134A refrigerant cooling capable

Optical Specifications:

Optical Specifications:	Performance
Laser Type	Nd:YAG/OPO
Wavelength	1540 nm
Polarization	Linear
Polarization Purity	> 200:1
Pulse Energy	10 mJ
Pulse Width	< 30 ns
Repetition Rate	1 - 200 Hz
Beam Diameter	< 2 mm (1/e ²)
Beam Quality (M ²)	< 20
Ambient Operating Temperature Range	+15 to +30 °C
Warm-Up Time	< 1 min.

Physical Specifications, Laser head

Dimensions (length x width x height)	25.4 cm x 8.6 cm x 14.0 cm
Weight	4 kg

Physical Specifications, Electronics

Dimensions	2U Rack Mount
Weight	11 kg



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