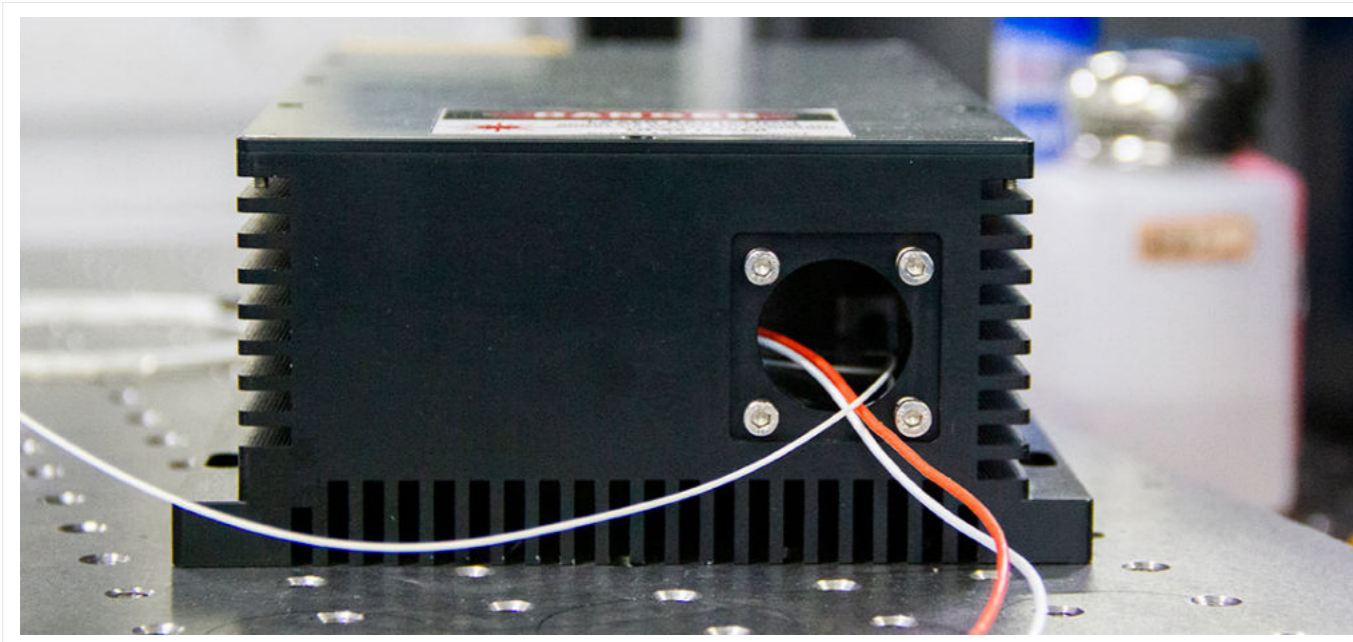


532nm Laser For Aerosol Radar



Model	CL532-500μJ-LAR001	
Optical Parameter	Central Wavelength (nm)	532
	Pulse Energy (uJ)	>500
	Power Stability	<2%
	Peak Power (kW)	>42
	Beam Quality M2	<1.3
	Repeat Frequency (KHz)	2-7
	Pulse Width	<12ns@5kHz
	Polarization Extinction Ratio	>100:1
Function Parameter	Service Life (h)	>10000
	Control Interface	DB9, RS232
	Cooling Method	Air Cooling
	Powered by	24VDC
	Output Power (W)	<260
Environmental Requirements	Operating Temperature (°C)	-20 ~ 60
	Storage Temperature (°C)	-40 ~ +70
	Humidity	0-90%
Weight and Size	Laser Head Weight (Kg)	<9
	Laser Head Size	250*240*105mm

DESCRIPTION

A matching light source for the customer's atmospheric particulate lidar for real-time monitoring of local high-density pollution sources. The radar emits a 532nm laser, and the receiving telescope collects the backscattered signals of the aerosol and cloud. The receiver receives vertical and horizontal polarization signals at 532nm and signals in the blind zone, and analyzes its echo intensity and particle depolarization characteristics to achieve Zero-blind detection, distinguishing the distribution of particulate matter and the type of particulate matter.

FEATURES

- Compatible with customers' overall structure, compact and reasonable design
- Wide temperature use, working temperature -20-60 °C
- 7 * 24 hours use, stable and reliable structure
- High protection level, anti-vibration design

STRUCTURE SIZE

