

AO-UA-1064/2.5W/500uJ



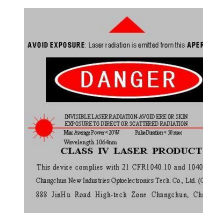
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser radar, laser marking, scientific research and so on.

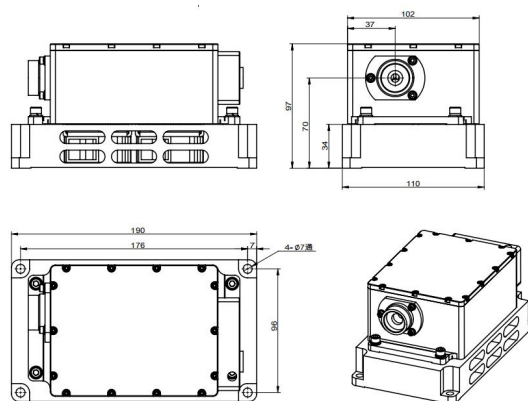


SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	2.5W @5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (uJ)	>500@5kHz
Rep. rate (kHz)	1-10
Pulse duration (ns)	~15 @5kHz, varies from power and repetition.
Peak power (kW)	~30@5kHz
Ave power stability (over 4 hours)	<2%,<1%
Beam divergence, full angle (mrad)	~3.5
Beam diameter at the aperture (1/e ² , mm)	~0.8
M ²	<1.2
Polarization ratio	>100:1, Vertical
Warm-up time (minutes)	<10
Beam height from base plate (mm)	70
Cooled method	Air Cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM
Expected lifetime (hours)	> 10000

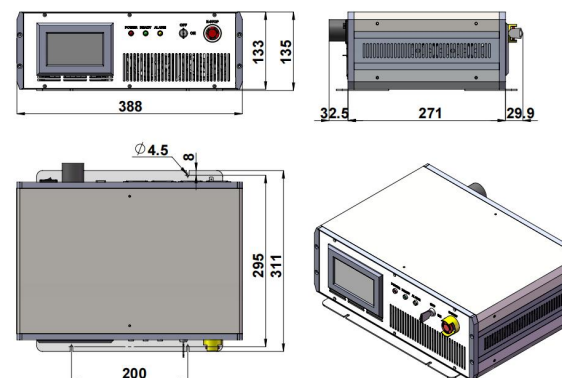


LASER HEAD



190 (L) × 110 (W) × 97 (H) mm³, 4.0 kg

POWER SUPPLY



388 (L) × 311 (W) × 135(H) mm³, 9.6 kg