

AO-I-1064 / 1~500μJ/1~17W



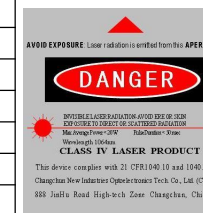
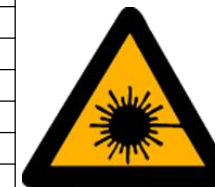
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

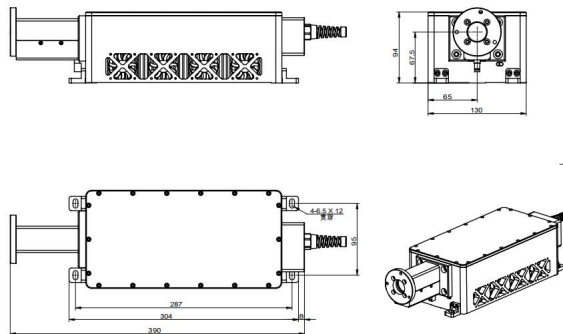
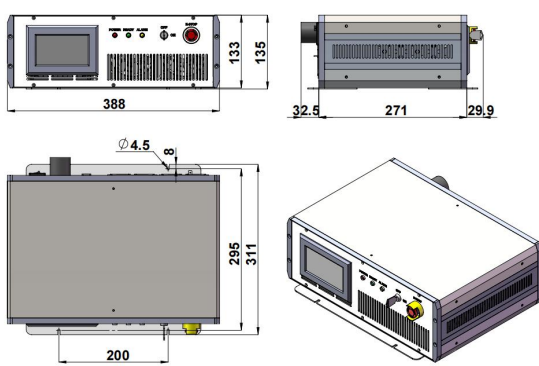
All solid state AOM Q-switched laser AO-I-1064 has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.



SPECIFICAT

Wavelength (nm)	1064±1		
Operating mode	Acousto-Optic Q-switched		
Average power (W)	10W@20kHz	15W@50kHz	17W@100kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (μJ)	> 500@20kHz	> 300@50kHz	> 150 @100kHz
Rep. rate (kHz)	10~100		
Pulse duration (ns)	~10 @20kHz	~20 @50kHz	~30 @100kHz
Peak power (kW)	~50	~15	~5
Ave power stability (over 4 hours)	<5%, <3%, <1%		
M ² factor	<2		
Beam divergence, full angle (mrad)	<1		
Beam diameter at the aperture (1/e ² , mm)	~4.0		
Pilot light (optional)	~5mW @650nm		
Polarization ratio	>100:1, Horizontal		
Beam height from base plate (mm)	67.5		
Warm-up time (minutes)	<10		
Cooled method	Air cooled		
Operating temperature (°C)	10~35		
Power supply (100-240VAC)	PSU-AOM		



AO-I-1064	PSU-AOM
 <p style="text-align: center;">390 (L) × 130 (W) × 94(H) mm³, 4.5kg</p>	 <p style="text-align: center;">388 (L) × 311 (W) × 135(H) mm³, 9.6 kg</p>