



EO-1064-H/1~2mJ

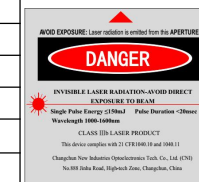
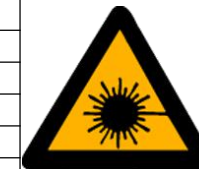
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in radar, topography measurement, marking, ranging, micro-processing, scientific research, and so on.



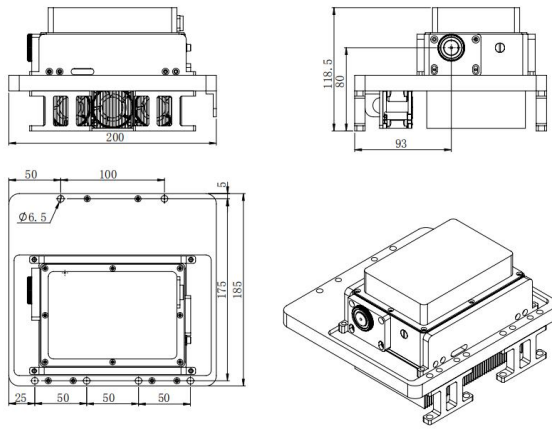
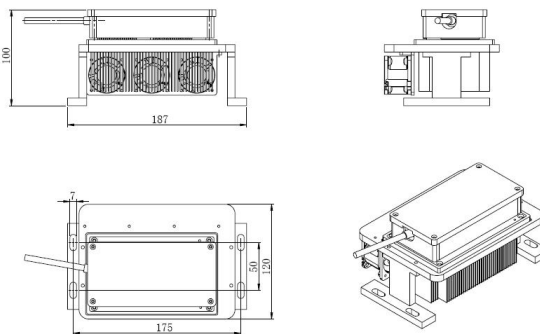
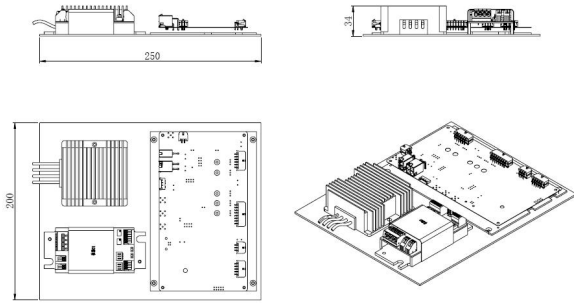
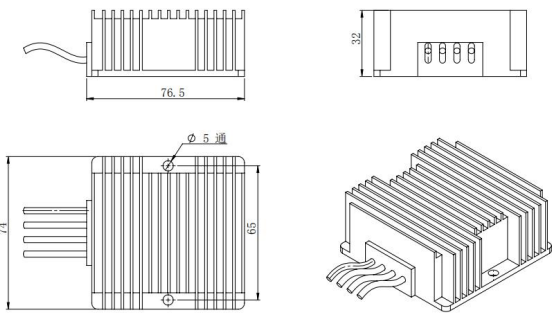
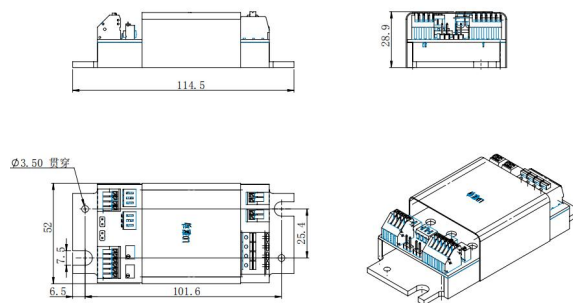
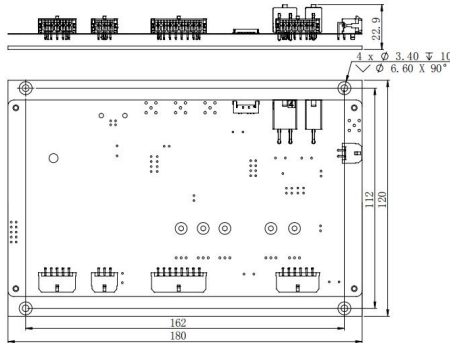
SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Q-switched: EO (Electro-optic)	
Single pulse energy (mJ)	1@5KHz	2@3KHz
Pulse duration (ns)	<7@5KHz	<10@3KHz
Rep. rate (kHz)	One fixed value between 1k~10kHz	One fixed value between 1k~3kHz
Power stability (rms)	<1%, <2%	
M2	<1.5	<2
Pointing stability (urad, std)	<20	
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~1	
Beam height from base plate (mm)	77.5	80
Warm-up time (minutes)	<15	
Cooled method	Conduction (EO-1064-H-l)	Air cooled (EO-1064-H-I)
Operating temperature (°C)	-20~55	
Power supply (DC 24V)	PSU-EO-H	
Expected lifetime (hours)	10000	
Warranty period	1 year	
Options	Higher energy can be customized; Higher frequency can be customized	



EO-1064-H-I

Laser head	LD	Power supply
<p>160(L)×114(W)×116(H)mm³ 4.4kg Heat dissipation is offered by customer (>70W)</p>	<p>134(L)×84(W)×85.3(H)mm³ 2.1kg Heat dissipation is offered by customer (>70W)</p>	<p>250(L)×200(W)×34(H)mm³, 1.4kg</p>

EO-1064-H-II		
<p style="text-align: center;">Laser head</p>  <p style="text-align: center;">200(L)×185(W)×118.5(H)mm³ 5.7kg</p>	<p style="text-align: center;">LD</p>  <p style="text-align: center;">187(L)×120(W)×100(H)mm³ 2.6kg</p>	<p style="text-align: center;">Power supply</p>  <p style="text-align: center;">250(L)×200(W)×34(H)mm³ 1.4kg</p>
<p>Power supply include:</p>		
<p style="text-align: center;">DC-DC Module(DC 24V-DC15V)</p>  <p style="text-align: center;">76.5(L)×74(W)×32(H)mm³ 0.3kg</p>	<p style="text-align: center;">LD Driver</p>  <p style="text-align: center;">114.5(L)×52(W)×28.9(H)mm³ 0.2kg</p>	<p style="text-align: center;">Control Board</p>  <p style="text-align: center;">180(L)×120(W)×22.9(H)mm³ 0.7kg</p>