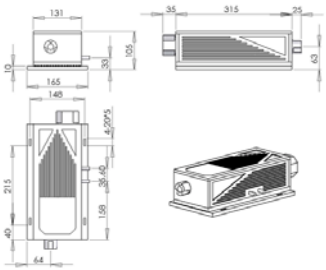
HPL-1064-Q/5~10mJ/50~100W

LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHEDLASER

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 widely used in marking, carving, measure, research and so on.

SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Single pulse energy (mJ)	5~10
Pulse duration (ns)	~85
Peak power (kW)	50~100
Rep. rate (kHz)	1~100, adjustable
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
	50~100@10kHz, typical
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (mm)	~7.0
Beam height from base plate (mm)	65.0
Cooled method	Water Cooled
Operating temperature (℃)	15~35
Power supply (220/110VAC)	PSU-HPL-Q(4U)
Expected lifetime (hours)	10000
Warranty period	1 year
Pilot light (optional)	5mW @650nm

HPL-1064-Q	PSU-HPL-Q(4U)	Water chiller
375 (L) ×165(W) ×105(H) mm^3, 7.8kg	460(L) ×320(W) ×180(H) mm^3, 14.3kg	424 (L)×524(W)×815(H) mm^3, 69kg, 50W laser 474 (L)×574(W)×875(H) mm^3 , 71kg, 100W laser