

HPL-MIR-4000~4800/1~2W

**WATER COOLING LD PUMPED
ALL-SOLID-STATE
4-5 μ m MID-IR LASER**

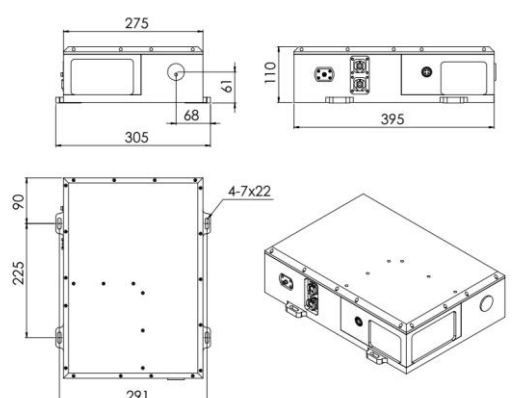
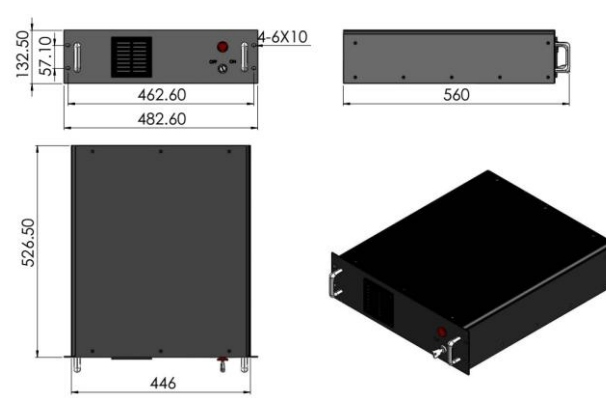
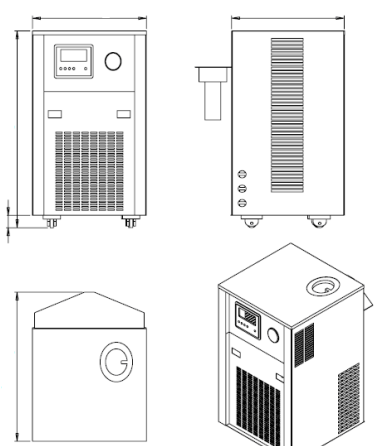
CNI's wide spectral width laser at 4-5 μ m mid-infrared features high power, high repetition rate, and short pulse duration, they are widely used in laser surgery, remote sensing, atmospheric communication, and systems for environmental monitoring, ..., etc.



SPECIFICATIONS

Wavelength (nm)	4000	4200	4400	4600	4800
Spectral width(nm)	300	200	160	180	190
Average power (W)	1, 2				
Operating mode	Acousto-Optics Q-switched				
Power stability (rms, over 4 hours)	<5%, <10%				
Rep.rate (kHz)	10				
Pulse duration (ns)	~20				
Single pulse energy (mJ)	0.2@10kHz, 2W				
Peak power (kW)	~10@10kHz, 2W				
Beam divergence, full angle (mrad)	<12				
Beam diameter at the aperture (1/e ² ,mm)	<6				
Beam height from base plate (mm)	61				
Operating temperature (°C)	15~35				
Power supply (90-264VAC)	PSU-MIR (3U)				
Expected lifetime (hours)	10000				
Warranty period	1 year				



HPL-MIR-4000-4800	PSU-MIR (3U)	Water Chiller
 <p>395(L)×305(W) ×110(H) mm³, 15kg</p>	 <p>527 (L) ×446(W) ×133 (H) mm³, 22 kg</p>	 <p>565 (L) ×470(W) ×900(H) mm³, 75kg</p>