

HPL-MIR-4800/1~2W

**WATER COOLING LD PUMPED  
ALL-SOLID-STATE  
3-5μm MID-IR LASER**

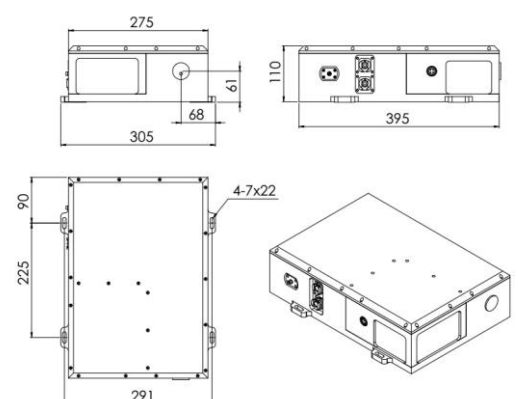
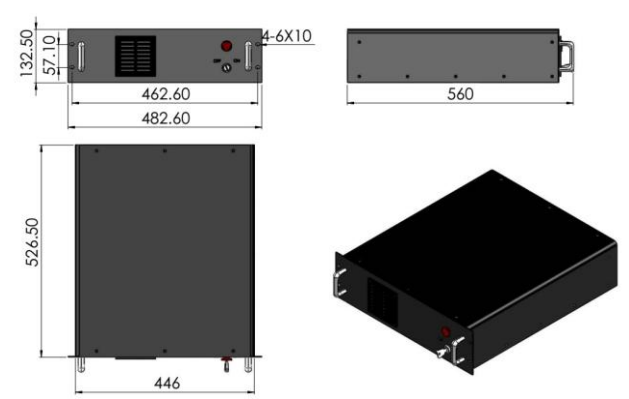
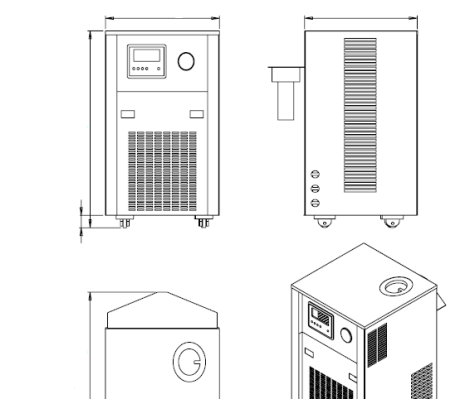
CNI's mid-infrared wide spectral width laser at 3-5μm features high power, high repetition rate, and short pulse duration, they are widely used in laser surgery, remote sensing, atmospheric communication, and systems for environmental monitoring, ..., etc.



SPECIFICATIONS

Wavelength (nm)	4800±100
Spectral width(nm)	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)	<6
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<3
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-4800	PSU-MIR (3U)	Water Chiller
 <p>395(L)×305(W)×110(H) mm<sup>3</sup>, 15kg</p>	 <p>527 (L) ×446(W) ×133 (H) mm<sup>3</sup>, 22 kg</p>	 <p>565 (L) ×470(W) ×900(H) mm<sup>3</sup>, 75kg</p>