

HPL-MIR-4600/1~2W

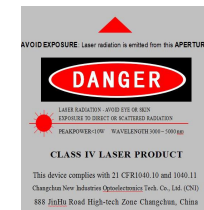
**WATER COOLING LD PUMPED  
ALL-SOLID-STATE  
3-5 $\mu$ m MID-IR LASER**

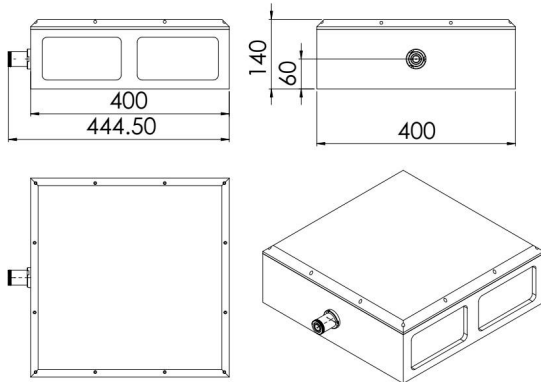
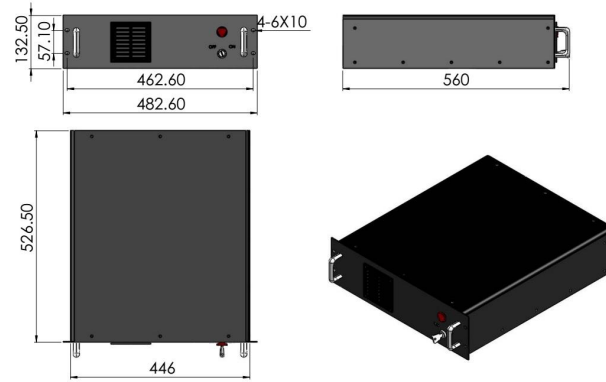
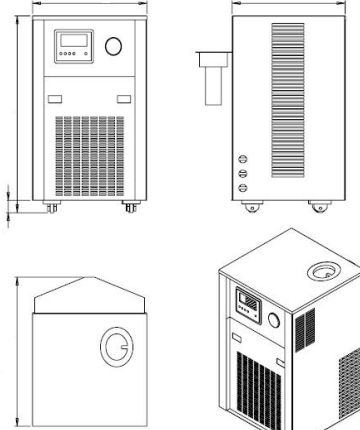
CNI's wide spectral width laser at 3-5 $\mu$ m mid-infrared features high power, high repetition rate, and short pulse duration, they are widely used in defense, remote sensing, civilian applications, and systems for counter-measures against infrared sensors, ..., etc.



SPECIFICATIONS

Wavelength (nm)	4600 $\pm$ 100
Spectral width(nm)	180
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	PSU-MIR (3U)	Water Chiller
 <p>445(L)×400(W) ×140(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>