

HPL-MIR/1~9W

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

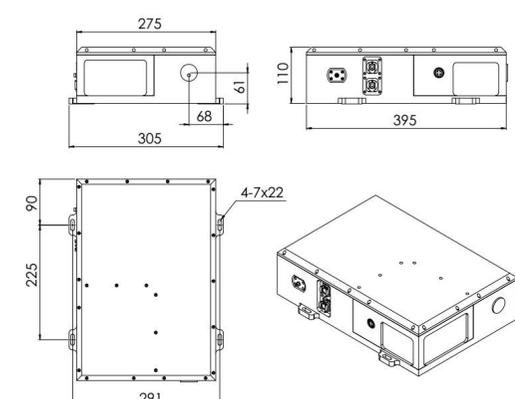
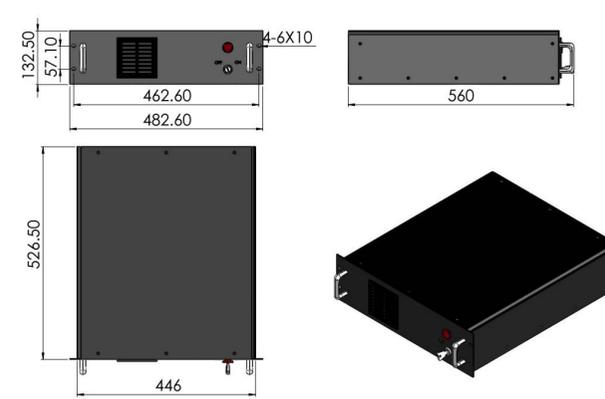
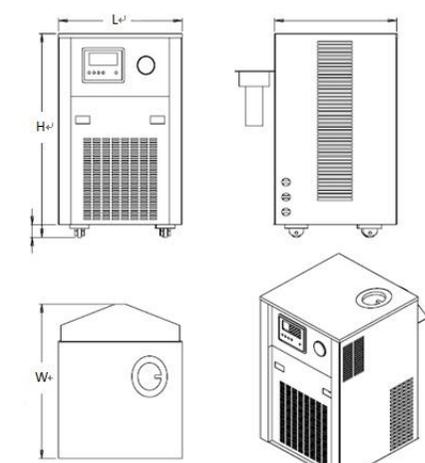
CNI's wide spectral width laser at 3-5μm mid-infrared features high power, high repetition rate, and short pulse duration, they are widely used in defense, remote sensing, civilian applications, and systems for counter-measures against infrared sensors, ..., etc.



SPECIFICATIONS

Wavelength (nm)	3900~4500 fixed, customer selected
Operating mode	Acousto-Optic Q-switched
Average power (W)	1~9
Pulse duration (ns)	~20@10kHz&9W
Rep.rate (kHz)	10
Single pulse energy (μJ)	900
Power stability (rms, over 4 hours)	<5%, <10%
Peak power (kW)	45@10kHz&9W
Beam divergence, full angle (mrad)	<12
Beam diameter at the aperture (1/e <sup>2</sup> ,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	PSU-MIR	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>