

HPL-MIR-4800/1~2W

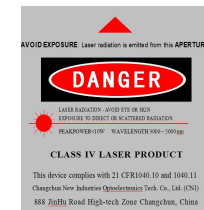
**WATER COOLING LD PUMPED
ALL-SOLID-STATE
3-5μm MID-IR LASER**

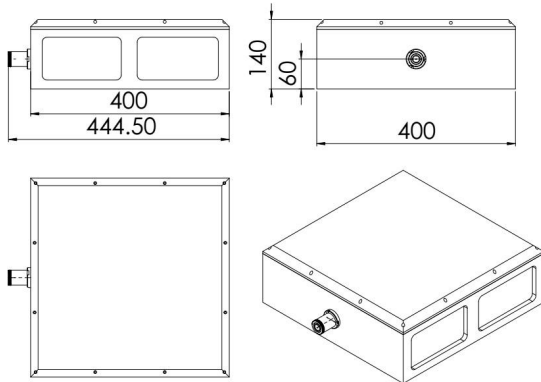
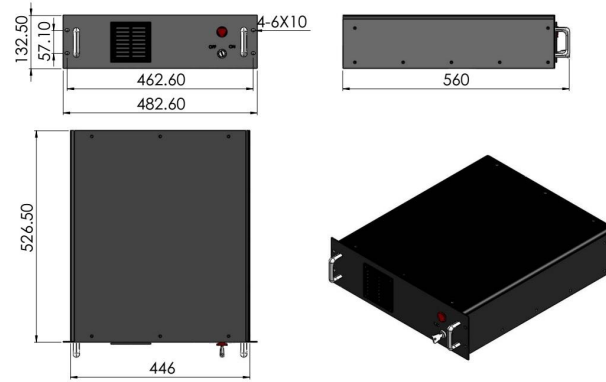
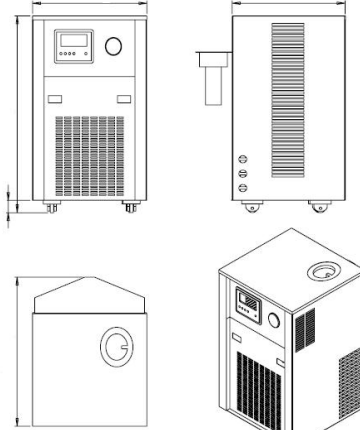
CNI's wide spectral width laser at 3-5μm mid-infrared features high power, high repetition rate, and short pulse duration, they are widely used in defense, remote sensing, civilian applications, and systems for counter-measures against infrared sensors, ..., etc.



SPECIFICATIONS

| | |
|---|---------------------------|
| Wavelength (nm) | 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 ² , 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) mm³, 15kg</p> |  <p>527 (L) ×446(W) ×133 (H) mm³, 22 kg</p> |  <p>565 (L)×470(W)×900(H) mm³, 75kg</p> |