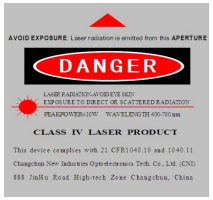
# MDL-HD-520/2-4W

## GREEN DIODE LASER AT 520nm

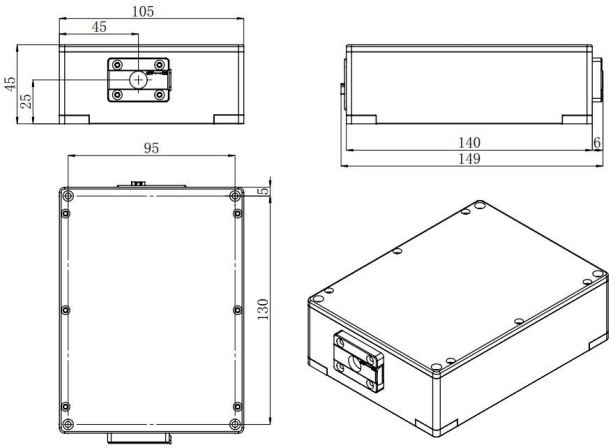
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, laser shows, biomedical applications, holography, metrology. etc.

**SPECIFICATIONS**

| | |
|---|---|
| Central wavelength (nm) | 520±10 |
| Operating mode | CW |
| Output power (W)[1] | 2-4 |
| Power stability (rms, 4 hours ± 3°C) | <2%, <1%, <0.5% |
| Transverse mode | Multimode |
| Polarization direction | Horizontal+ Vertical |
| Beam diameter at the aperture (mm) | ~1.8×2.5 |
| Beam divergence, full angle (mrad) | ~2.1×1.2 |
| Warm-up time (minutes) | <5 |
| Beam height from base plate (mm) | 25 |
| Operating temperature (°C) | 25±3 |
| Power supply (100-240VAC) | PSU-N-FDA/PSU-N-LED |
| Modulation option | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours) | >10000 |

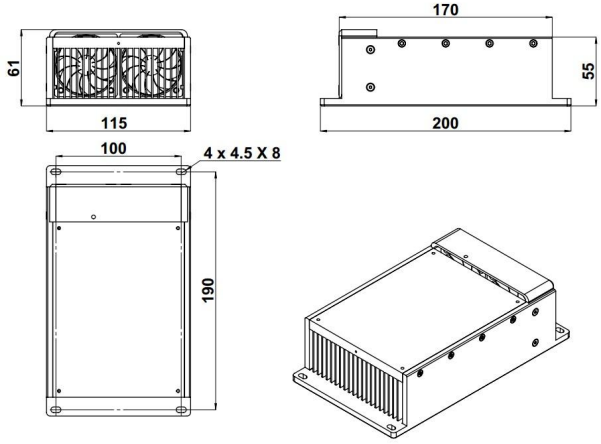



## LASER HEAD[2]



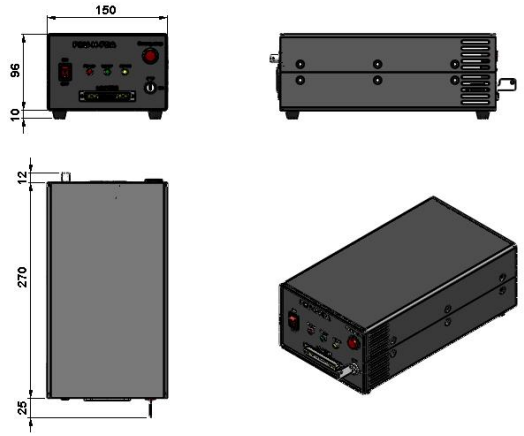
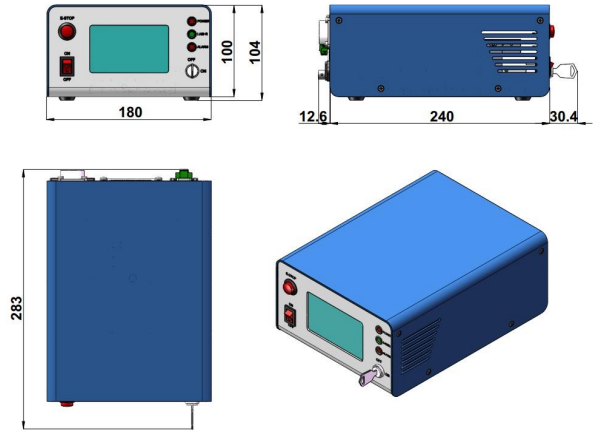

**149 (L) ×105 (W) ×45 (H) mm³, 1.7kg**

## HEATSINK optional




**200 (L) ×115 (W) ×61 (H) mm³, 1.4kg**

Website: http://www.cnilaser.com E-mail: sales@cnilaser.com Tel: +86-431-85603799 Fax: +86-431-89216068

| POWER SUPPLY (PSU-N-FDA)[3] | POWER SUPPLY (PSU-N-LED)[4] |
|---|---|
|  |  |
| **307 (L) ×150 (W) ×106 (H) mm³, 3.0kg** | **283 (L) ×180 (W) ×104 (H) mm³, 2.5kg** |

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power; Modulation up to 30kHz.

4 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.