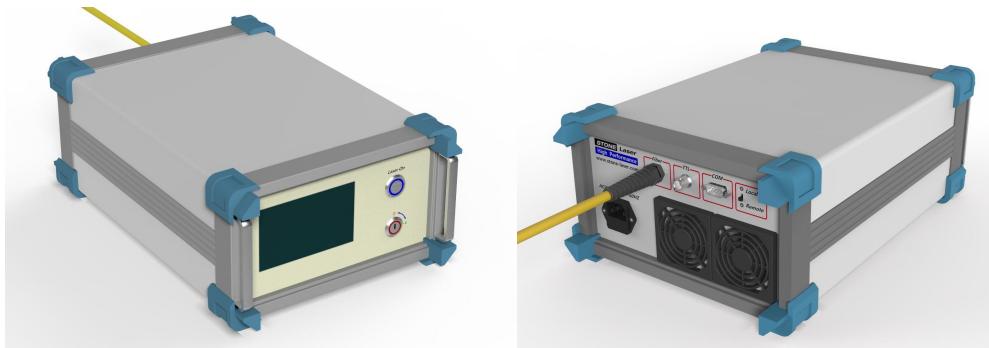


## 850nm infrared laser-2W



**FIGURE 1**

The 850nm infrared laser adopts imported LD, which has the characteristics of high brightness, high modulation frequency and pure spectrum. It is suitable for scientific research, medicine, infrared lighting, welding and other fields.

The light source is controlled by a touch screen, which can easily set parameters such as output power, frequency, and duty cycle. At the same time, for the convenience of use, the light source also provides an external control interface. Customers can use the TTL modulation port to synchronize the light-on and off-time of the laser with the external control signal. A key switch on the front panel ensures that only authorized personnel can access the light source.

In addition, for different applications, we can provide customized services such as divergence angle and control method. For details, please contact our engineers.

850nm红外激光器采用进口LD，具有亮度高，调制频率高，光谱纯净等特点，适用于科研、医药、红外照明、焊接等多个领域。

光源采用触摸屏控制，可以方便的设定输出功率和频率、占空比等参数。同时为了方便使用，光源也提供外部控制接口。客户可以使用TTL调制口来使激光器的出光和关光时间与外部控制信号同步。前面板的钥匙开关可以确保只有有权限的人员才能使用光源。

另外针对不同应用，我们可以提供发散角、控制方式等的定制服务。具体 可以联系我们的工程师。



## 参数规格 Specifications

|   |  |
|---|--|
| 型号 Model                                | BDT-850-W2   |
| 光学参数 Optical parameters                 |  |
| 波长 Wavelength                           | 850nm  |
| 波长偏差<br>Wavelength deviation            | +/-10nm  |
| 输出功率<br>Output Power                    | 0~1.5W   |
| 功率稳定性<br>Power stability                | 5%   |
| 光纤芯径 (um)<br>Fiber Core Diameter        | 600um  |
| 引导光 Guide light                         | 可选 optional 5mW660nm   |
| 光纤数值孔径 Fiber<br>Numerical Aperture      | 0.22   |
| 光纤连接器<br>The optical fiber<br>connector | SMA905   |
| 光纤长度<br>Fiber length                    | 3.0m   |
| 电学参数 Electrical parameters              |  |
| 功率显示 Power display                      | 功率百分比 Power percentage   |
| 设定精度<br>Setting accuracy                | 0.1%   |
| 调节范围<br>Adjustment range                | ~0 % to 100%   |
| 供电电压<br>Supply voltage                  | 230 VAC 50 - 60 Hz (115 VAC optional)  |
| TTL 调制 modulation                       | 高电平 = 激光开启, 低电平 = 激光关闭; 悬空=高电平<br>最大调制频率2Khz<br>High level = laser on, low level = laser off; floating = high level<br>Maximum modulation frequency 2Khz |
| 散热方式<br>Cooling method                  | 风冷 air cooling   |
| 工作环境 working environment                |  |
| 外形尺寸 (mm)<br>Dimensions                 | 见“系统外形图”See "System Outline Drawing"   |
| 工作温度 Operating<br>temperature           | 0 to 40 °C(更高或更低工作温度可定制 )<br>Higher or lower operating temperature can be customized   |
| 存储温度 storage                            | -20 to 80 °C   |



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|                      |              |
|----------------------|--------------|
| temperature          |              |
| 预期寿命 life expectancy | 10000小时 hour |
| 质保 Warranty          | 1 年 year     |

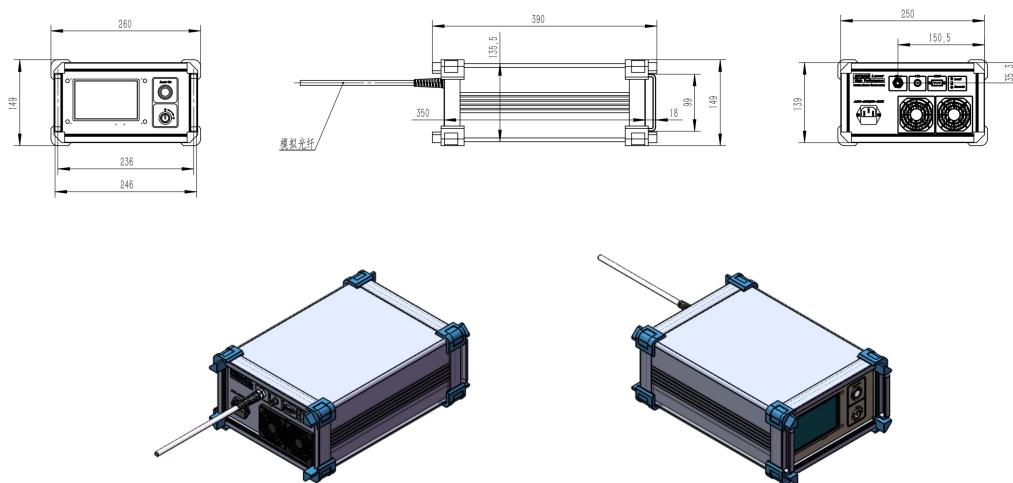


FIGURE 2 系统外形图 System Outline Drawing

