

638nm red laser-10W

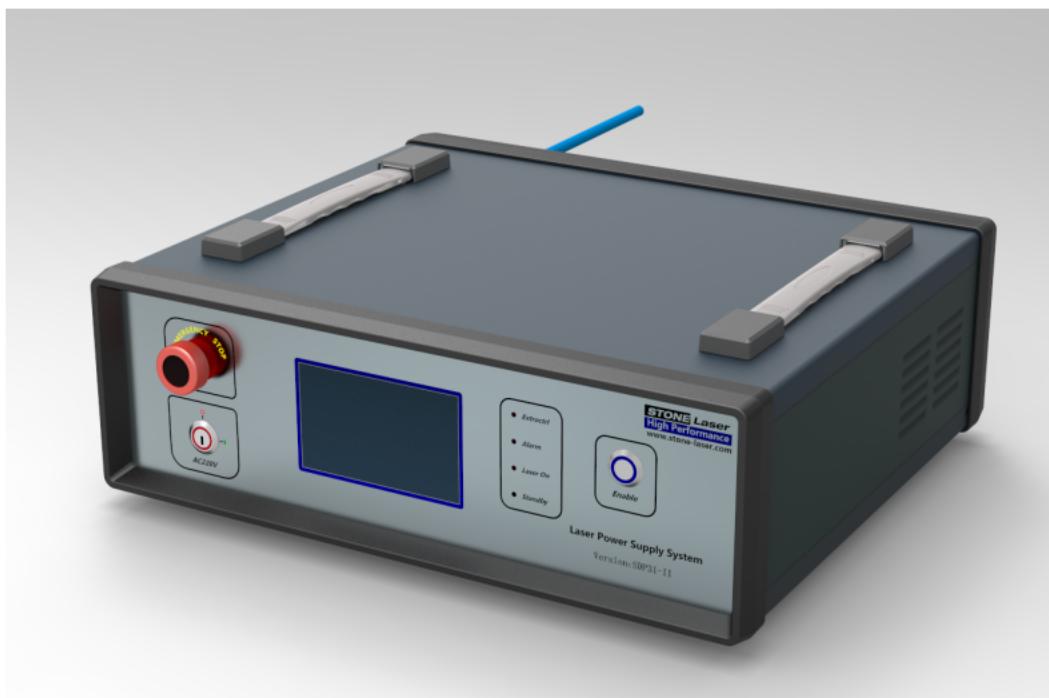


FIGURE 1

The 638nm red laser adopts imported LD, which has the characteristics of high brightness, high modulation frequency and pure spectrum. It is suitable for scientific research, photodynamic therapy, fluorescence excitation, laser display 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.

638nm红光激光器采用进口LD，具有亮度高，调制频率高，光谱纯净等特点，适用于科研、光动力治疗、荧光激发、激光显示等多个领域。

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-B638-W10
光学参数 Optical parameters	
波长 Wavelength	638nm
波长偏差 Wavelength deviation	+/-10nm
输出功率 Output Power	0~10W(可定制 customizable20W)
功率稳定性 Power stability	5%
光纤芯径 (um) Fiber Core Diameter	600um(其他芯径可定制)Other core diameters can be customized
光纤数值孔径 Fiber Numerical Aperture	0.22
光纤连接器 The optical fiber connector	SMA905
光纤长度 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 Setting accuracy	0.1%
调节范围 Adjustment range	~0 % to 100%
供电电压 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 最大调制频率2Khz High level = laser on, low level = laser off; floating = high level Maximum modulation frequency 2Khz
散热方式 Cooling method	风冷 air cooling
工作环境 working environment	
外形尺寸 (mm) Dimensions	见“系统外形图”See "System Outline Drawing"
工作温度	0 to 40 °C(更高或更低工作温度可定制)Higher or lower

Operating temperature	operating temperature can be customized
存储温度 Storage temperature	-20 to 80 °C
预期寿命 Life expectancy	10000 小时 hour
质保 Warranty	1 年 year

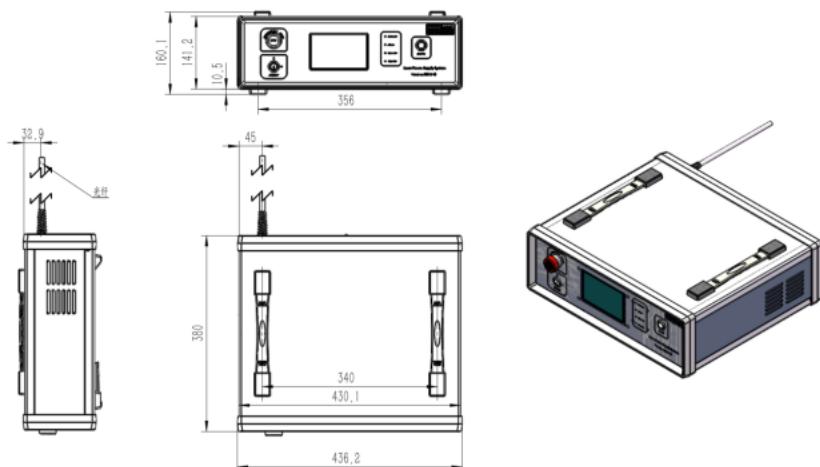


FIGURE 2 系统外形图

