455nm Blue light laser-A4W

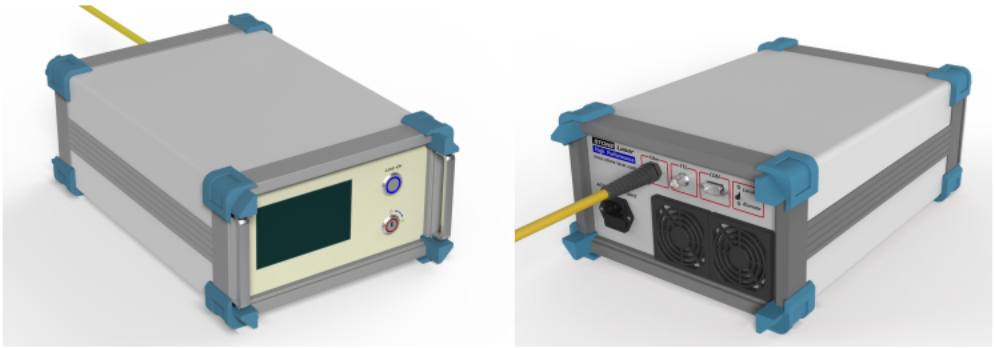

FIGURE 1

The 455nm blue light laser adopts imported LD, which has the characteristics of high brightness, high modulation frequency and pure spectrum. It is suitable for scientific research, medicine, laser display, lighting 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.

Specifications	
Model	BDT-A455-W4
Optical parameters	
Wavelength	455nm
Wavelength deviation	+/-10nm
Output Power	0~4W（Customizable at 500W）
Power stability	5%
Fiber Core Diameter（um）	105,200,400,600um optional
Fiber Numerical Aperture	0.22
The optical fiber connector	SMA905

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Fiber length	3.0m
Electrical parameters	
Power display	功率百分比 Power percentage
Setting accuracy	0.1%
Adjustment range	~0 % to 100%
Supply voltage	230 VAC 50 - 60 Hz（115 VAC optional）
TTL Modulation	High level = laser on, low level = laser off; floating = high level Maximum modulation frequency 2Khz
Cooling method	air cooling
working environment	
Dimensions（mm）	See "System Outline Drawing"
Operating temperature	0 to 40 °C(Higher or lower operating temperature can be customized)
Storage temperature	-20 to 80 °C
Life expectancy	10000 hour
Warranty	In 1 year

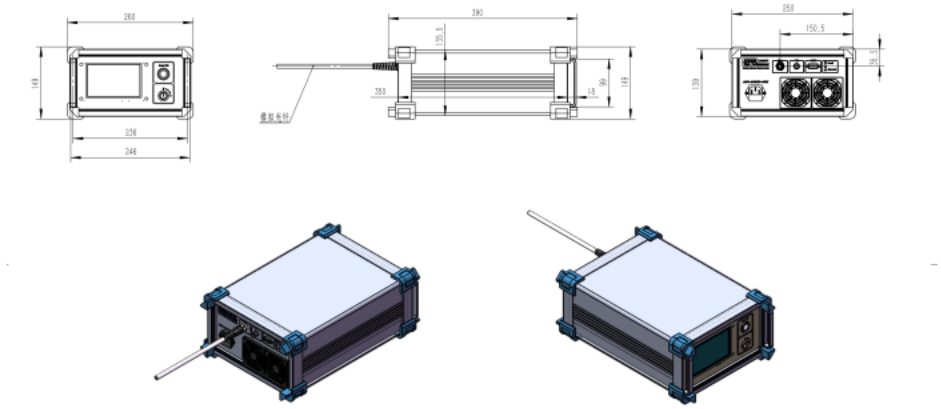

FIGURE 2 System Outline Drawing

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