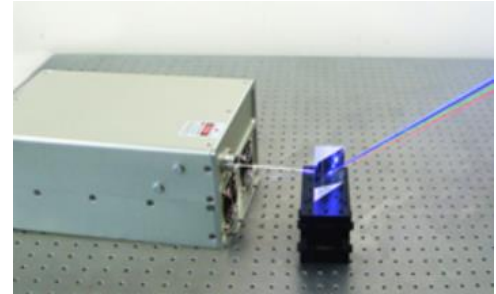




## RGB635G473 Series 635nm/532nm/473nm Triple Wavelength Laser System up to 500mW

### Overview

The RGB635G473 series multi-wavelength laser is ideal for applications that require three wavelengths at 635nm, 532nm, and 473nm, and output power levels up to 500mW. The laser can generate various colors, such as red, orange, yellow, green, indigo, blue, and purple. The laser is widely used in scientific research, medical treatment, OEM field and multimedia entertainment.



### Specifications

<b>Model Number</b>	<b>RGB635G473-XPQ</b>	
Wavelength (nm)	Red at 635nm, Green at 532nm, Blue at 473nm	
Total output power (mW)	>100 ( <b>X=100</b> ), >200 ( <b>X=200</b> ), >300 ( <b>X=300</b> ), >500 ( <b>X=500</b> )	
Transverse mode	Near TEM <sub>00</sub> /TEM <sub>00</sub> /TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<5% ( <b>P=A</b> ), <3% ( <b>P=E</b> ), <2% ( <b>P=2</b> )	
Beam diameter at aperture (1/e <sup>2</sup> , mm)	~3.0	
Beam divergence, full angle (mrad)	<1.5	
Warm-up time (minutes)	<10	
Operating temperature (°C)	10-35	
Dimensions of laser head (mm)	353(L)×211(W) ×136(H) mm <sup>3</sup>	
Weight of laser head (kg)	13.0 kg	
RGB Laboratory Power Supply	Input voltage	100-240VAC
	Dimensions	305.5(L) ×215(W) ×120(H) mm <sup>3</sup>
	Weight	5.0 kg
Modulation option	None ( <b>Q=0</b> )	
	TTL	1Hz-1kHz ( <b>Q=T1</b> ), 1kHz-10kHz ( <b>Q=T2</b> ), 10kHz-30kHz ( <b>Q=T3</b> )
	Analog	1Hz-1kHz ( <b>Q=A1</b> ), 1kHz-10kHz ( <b>Q=A2</b> ), 10kHz-30kHz ( <b>Q=A3</b> )
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

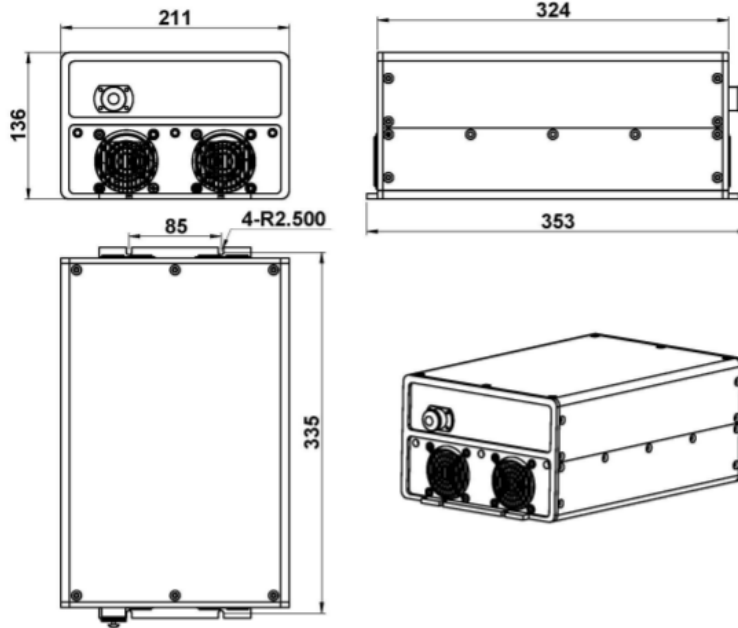
#### Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.

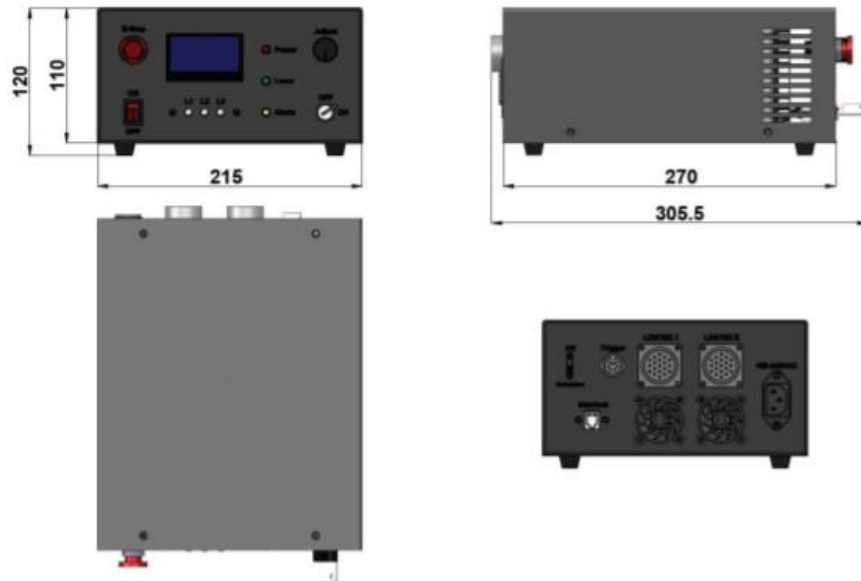


**Outline Dimensions (unit: mm)**

**Laser Head**



**Power Supply**



Note: The above specifications are subject to change without notice.