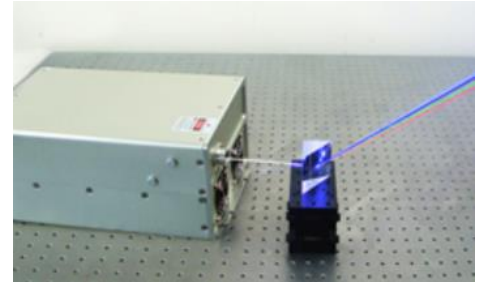


## RGB405G473 Series 405nm/473nm/532nm Triple Wavelength Laser System up to 300mW

### Overview

The RGB405G473 series multi-wavelength laser is ideal for applications that require three wavelengths at 405nm, 473nm, and 532nm and output power levels up to 300mW. The laser can generate various colors, such as red, orange, yellow, green, indigo, blue, and purple. The laser is widely used in laser scientific research, medical treatment, OEM field and multimedia entertainment.



### Specifications

<b>Model Number</b>	<b>RGB405G473-XPQ</b>	
Wavelength (nm)	Violet at 405nm, Blue at 473nm, Green at 532nm	
Total output power (mW)	>50 ( <b>X=50</b> ), >100 ( <b>X=100</b> ), >200 ( <b>X=200</b> ), >300 ( <b>X=300</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)	~2.5	
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 IIIb	

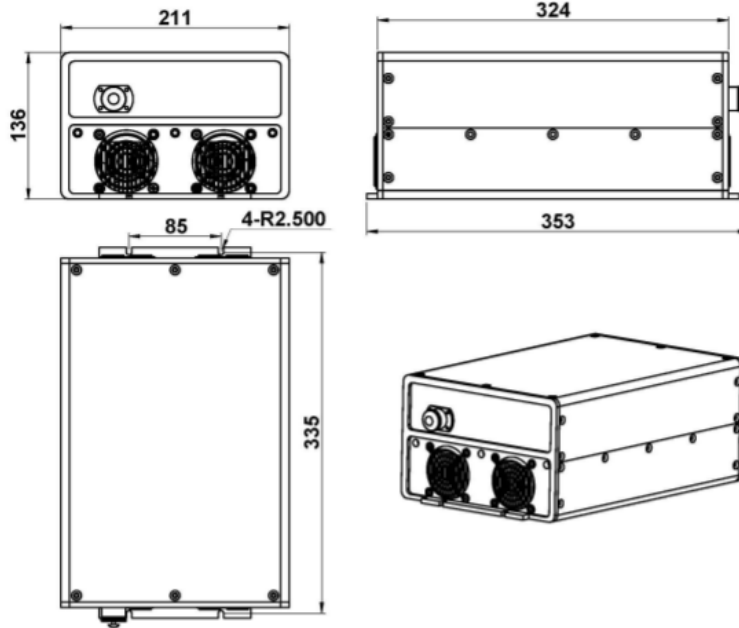
Remarks:

- 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.

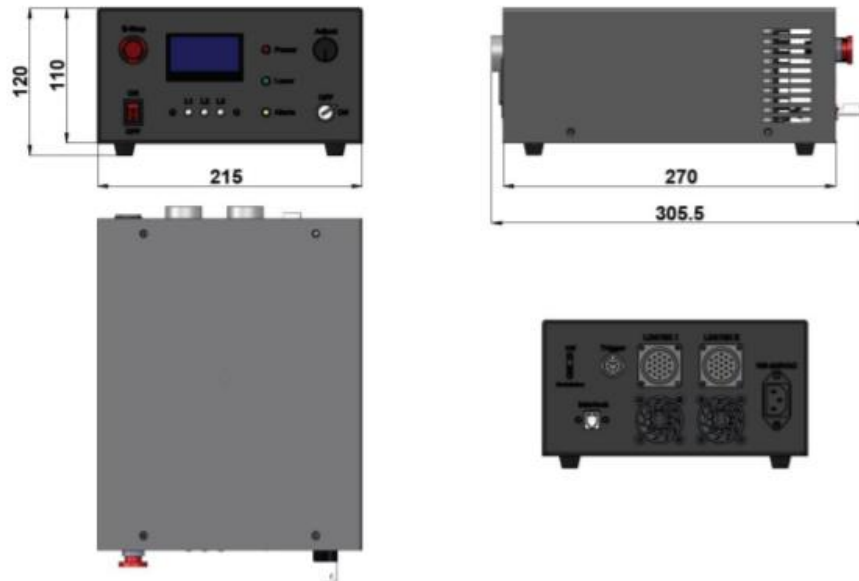


**Outline Dimensions (unit: mm)**

**Laser Head**



**Power Supply**



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