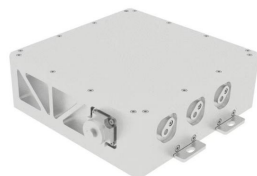


RGB-xxx



RGB-xxx Laser System

RGB-xxx series laser system can combine 3 wavelengths into a system and output in free space. It can control the laser output either separately, or open multiple lasers at the same time.



SPECIFICATIONS

Wavelength combination (nm)	375/488/532	405/488/532
Wavelength (nm)	±5/±5/±1	±5/±5/±1
Operating mode	CW	
Output power (mW)	20/20/50	50/20/50
Power stability (rms, over 4 hours)	<3%, <2%, <1%	
Transverse mode	Near TEM ₀₀ / TEM ₀₀ / TEM ₀₀	TEM ₀₀
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Beam diameter at the aperture (mm)	~1.0	
Beam divergence, full angle (mrad)	<1.5	
Ellipticity	>0.90	
M ² factor	~1.1	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	40	
Operating temperature (°C)	10~35	
Power supply (100-240VAC)	RGB-31	
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation optional	
Expected lifetime (hours)	10000	
Warranty	1 year	

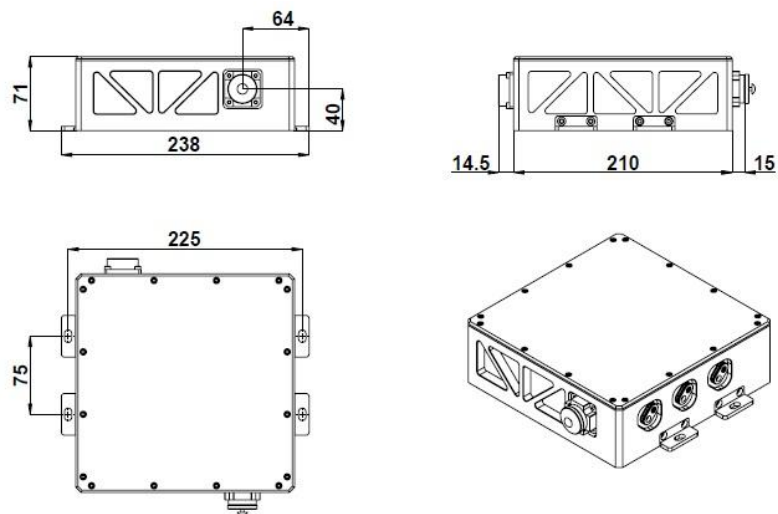


SPECIFICATIONS

Wavelength combination (nm)	405/488/633	405/980/1550
Wavelength (nm)	±5/±5/±5	±5/±5/±5
Operating mode	CW	
Output power (mW)	20/20/20	15/15/15
Power stability (rms, over 4 hours)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Beam diameter at the aperture (mm)	~1.0	
Beam divergence, full angle (mrad)	<1.5	
Ellipticity	>0.90	
M ² factor	~1.1	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	40	
Operating temperature (°C)	10~35	
Power supply (100-240VAC)	RGB-31	
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation optional	
Expected lifetime (hours)	10000	
Warranty	1 year	

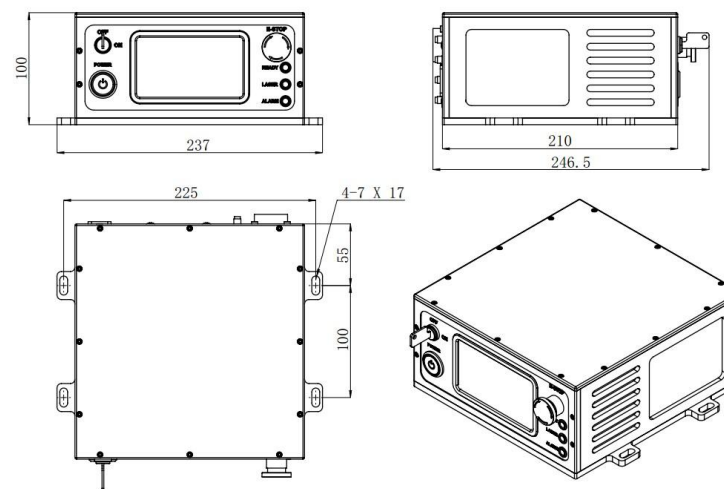
Remark: Please consult CNI for customized configurations and modifications available.

RGB-xxx



239.5 (L) × 238 (W) × 71 (H) mm³

RGB-31



246.5 (L) × 237 (W) × 100 (H) mm³