

RGB-xx



RGB-xx Laser System

RGB-xx series laser system can combine 2 wavelengths into a system and one fiber outputs. It can control the laser output either separately, or open multiple lasers at the same time.



SPECIFICATIONS

Wavelength combination (nm)	488/633	488/640	633/785	640/785	640/1064
Wavelength (nm)	±5/±5	±5/±5	±5/±5	±5/±5	±5/±5
Operating mode	CW				
Output power after fiber (mW)	20/20	20/50	20/30	50/30	50/200
Power stability (rms, over 4 hours)	<3%, <2%, <1%				
Transverse mode	TEM ₀₀ (single mode fiber output)				
Noise of amplitude (rms, 20Hz~20MHz)	<1%				
M ² factor after fiber	<1.1				
Polarization ratio	Random (>30:1 after PM fiber optional)				
Fiber type	SM fiber (PM fiber optional)				
Fiber Core Diameter(μm)	4-9				
Fiber NA	0.10-0.15				
Fiber Connector	FC-PC/ FC-APC				
Fiber Length (m)	1 (Other lengths are available on request)				
Fiber jacket	PVC or metal jacket				
Warm-up time (minutes)	<5				
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)	640/1310	640/1550	980/1064	980/1030	980/1310
Wavelength (nm)	±5/±5	±5/±5	±5/±5	±5/±5	±5/±5
Operating mode	CW				
Output power after fiber (mW)	50/20	50/100	500/200	500/200	500/20
Power stability (rms, over 4 hours)	<3%, <2%, <1%				
Transverse mode	TEM ₀₀ (single mode fiber output)				
Noise of amplitude (rms, 20Hz~20MHz)	<1%				
M ² factor after fiber	<1.1				
Polarization ratio	Random (>30:1 after PM fiber optional)				
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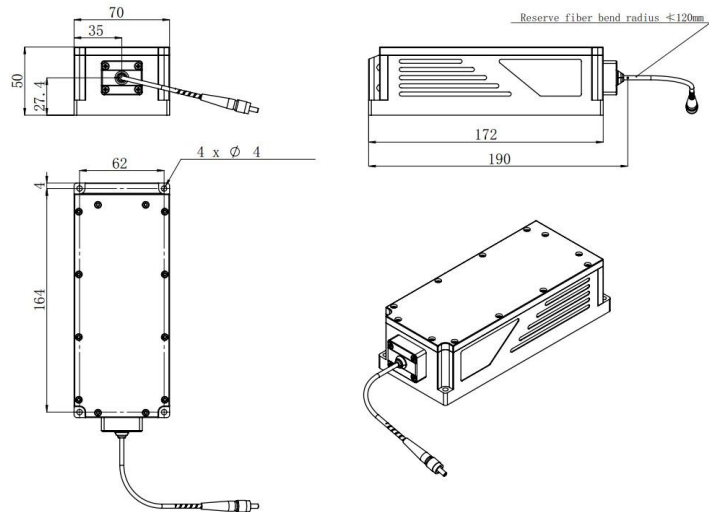


SPECIFICATIONS

Wavelength combination (nm)	980/1550	1064/1310	1310/1550
Wavelength (nm)	±5/±5	±5/±5	±5/±5
Operating mode	CW		
Output power after fiber (mW)	500/100	200/20	20/100
Power stability (rms, over 4 hours)	<3%, <2%, <1%		
Transverse mode	TEM ₀₀ (single mode fiber output)		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
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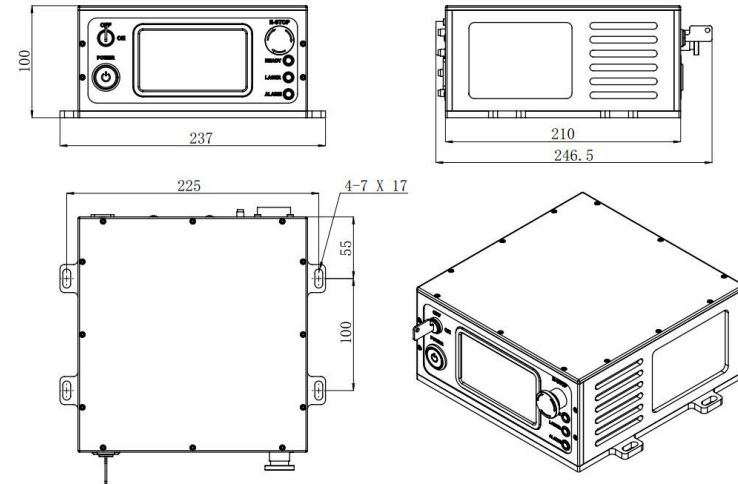
Remark: Please consult CNI for customized configurations and modifications available.

RGB-xx



190(L)×70(W)×50(H) mm³, 1.0kg

RGB-31



246.5 (L) × 237(W) × 100 (H) mm³, 3.0kg