

Triplex (RGB) Fiber Coupled White Light Laser Source



2022 V1

For customized projects please Contact us:

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SIMTRUM offers the Triplex (RGB) Fiber Coupled White Light Laser Source. The Triplex Laser Source contains the Fiber Coupled Laser Module, LD Driver and Temperature Control System. With an Input of 90V~240V AC input, the Laser Source can easily get to work. Meanwhile, the 635nm, 520nm and 445nm Laser are controlled Independently.

We couple the Red (635nm), Green (520nm) and Blue (445nm) Laser into one piece of fiber to get the white color laser.

The Fiber Type can be Single mode Fiber (SMF), Multimode Fiber (MMF) and Polarization Maintaining Fiber (PMF). The fiber core can be 4um, 9um, 105um, etc. By controlling the ratio of RGB Laser, we can get the perfect white color laser. Meanwhile, by adjusting the ratio, various colors of the laser also can be obtained.

To ensure long-time reliability and power stability, each Laser Source will undergo rigorous testing and aging in the factory.

SIMTRUM also offers Customized solutions for Triplex Laser Source, such as Customized Wavelength, Customized Power and Customized Fiber Core to meet the special needs of customers.

Features

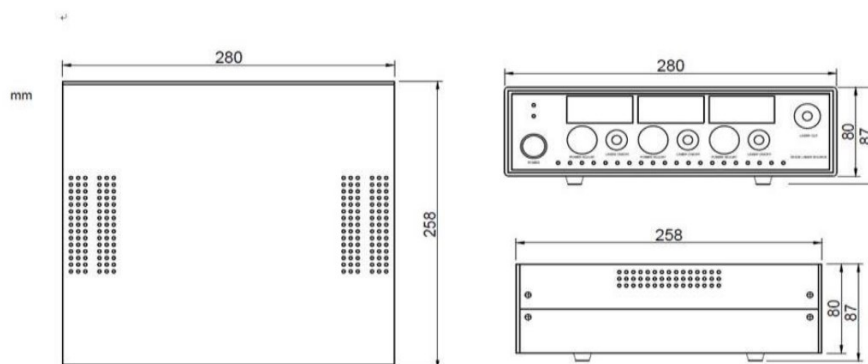
- RGB (635nm+520nm+445nm) Turnkey Laser System
- SMF/MMF/PMF Optional
- White Color Laser Output
- Each Wavelength Independent Control
- Built-in Driver and TE Cooler
- 90V~240V AC Input
- TTL/Analog Modulation
- Customized Wavelength/Power/Fiber Type



Packaging Information

Triplex Laser System Packing View (A200)

280mm*258mm*87mm.



Specifications

Fiber Type	Part Number	Wavelength-1	Wavelength-2	Wavelength-3	Fiber Core	Connector	Power Supply	TE Cooling	Case Model No.
SMF	Triplex-STLS-RG B-010m-4	638nm/10mW	520nm/10mW	445nm/10mW	3um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-015m-4	638nm/15mW	520nm/15mW	445nm/15mW	3um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-020m-4	638nm/20mW	520nm/20mW	445nm/20mW	3um	FC/SMA905	90V—240VAC	V	A-200
SMF-28	Triplex-STLS-RG B-030m-9	638nm/30mW	520nm/30mW	445nm/30mW	9um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-050m-9	638nm/50mW	520nm/50mW	445nm/50mW	9um	FC/SMA905	90V—240VAC	V	A-200
MMF	Triplex-STLS-RGB-030m-M	638nm/30mW	520nm/30mW	445nm/30mW	105um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-050m-M	638nm/50mW	520nm/50mW	445nm/50mW	105um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-080m-M	638nm/80mW	520nm/80mW	445nm/80mW	105um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RG B-100m-M	638nm/100mW	520nm/100mW	445nm/100mW	105um	FC/SMA905	90V—240VAC	V	A-200
	Triplex-STLS-RGB-001-M	638nm/1W	520nm/1W	445nm/1W	105um	FC/SMA905	90V—240VAC	V	A-300

Analog Modulation Optional | TTL Modulation Optional | Case Model: A-200 / A-300

Note V – yes, N – No, O – Optional

Various Wavelength Optional

Port-1 405nm | 445nm

Port-2 488nm | 505nm | 520nm | 525nm

Port-3 638nm | 658nm | 670nm | 685nm | 785nm

Various Wavelength Optional

SMF 3um

PMF 3um

MMF 9um | 50um | 105um | 200um

Laser Beam With SMF

