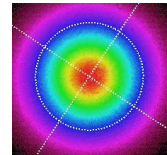
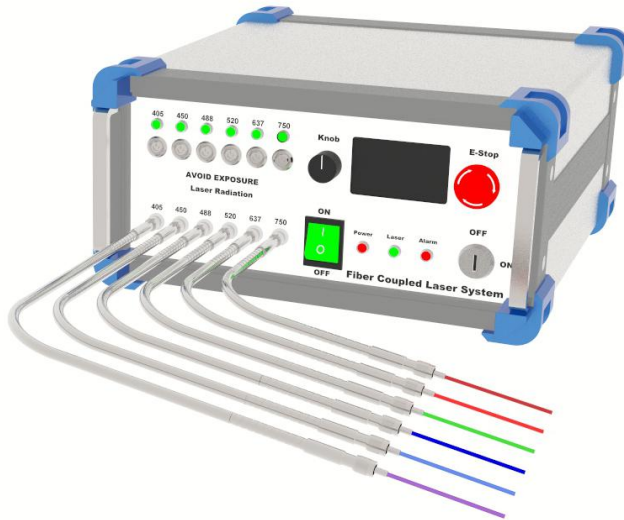


## ***Multi-Channel Fiber Coupled Laser***



Beam spot after SM fiber

### ***Multi-channel Fiber Coupled Laser***

This series of lasers can combine 2-6 wavelengths into a system and output from the optical fiber of each channel. The laser can individually control the laser output of each channel, or open multiple channels at the same time, but can only adjust the power output of one channel at a time.

### ***APPLICATIONS***

- Confocal microscopy
- Fluorescence microscopy
- Optogenetics
- Flow cytometry
- Live-cell imaging
- Light sheet microscopy

### ***FEATURES***

- Up to 6 wavelength combination
- Wavelengths from 375 to 1550nm
- Customized wavelengths and output power combinations
- Standard fiber connectors or collimated beam output
- Multimode, single mode or polarization maintaining fibers
- Customized configurations and modifications available



## SYSTEM SPECIFICATION<sup>1</sup>

Wavelength (nm)	375	405	450	457	473	488	505	520	532	561	637	660	671	785	808	980	1060	1550
Wavelength tolerance (nm, typical)	±5	±5	±5	±1	±1	±5	±5	±10	±1	±1	±5	±5	±1	±10	±3	±10	±5	±20
Output power after fiber (mW)	Please consult with a sales representative according to specific needs.																	
Power stability (rms, over 4hours)	<1%, <2%, <3%																	
Laser operation mode	CW																	
Fiber type	MM/SM/PM																	
Fiber core diameter (μm)	400/ 200 (MM fiber, other fiber core diameter are available on request) 4~9(SM/PM fiber)																	
Fiber NA	0.22 (MM fiber ) 0.12 (SM/PM fiber )																	
Fiber connector	SMA905/FC(MM fiber) FC(SM/PM fiber )																	
Fiber length	1m (Other lengths are available on request)																	
Noise of amplitude (rms, 20Hz~20MHz)	<1%																	
Expected lifetime	10,000																	

## ELECTRICAL SPECIFICATIONS

Input voltage	VAC	100-240
Modulation	TTL modulation Analog modulation	
Modulation frequency	TTL with 1Hz-30kHz, 30kHz-100kHz optional Analog with 1Hz-30kHz, 30kHz-100kHz optional	

## ENVIRONMENTAL CONDITIONS

Operating temperature	°C	10°C to 35°C
Warm-up time	min	< 10
Storage temperature	°C	-20 °C to 60 °C
Humidity	%	< 90 %, non-condensing

## KEYNOTES

\*All testing data under the conditions of temperature 25°C.

## MECHANICAL SPECIFICATIONS

Dimensions of laser system ( 2-5 channels are available on request )	6 channels
	330 x 291 x 156
Material	Aluminum

## DIMENSIONS OF 6 CHANNELS LASER SYSTEM (mm):

