



Model : K1 - Laser

Features and Benefits

- Multi-wavelength laser module for fluorescence imaging
- High efficiency excitation for higher quality fluorescence microscopic imaging
- Single optical fiber output of multiple laser wavelengths
- Independent control of each wavelength in single module
- Temperature control system for stabilizing the laser output power
- Standard optical fiber adapter port for commercial optical microscope port
- Analog modulation / USB interface control
- Customizable for the other wavelengths

Specifications

Lasers	Center wavelength	405 nm	488 nm	561 nm	638 nm
	Band tolerance (nm)	±5	±5	±2	±2
	Output power (mW)	34	19	19	21
	RMS noise level (10 Hz ~ 10 MHz)	< 0.15%	< 0.15%	< 0.10%	< 0.15%
	Analog modulation (kHz)	> 100	> 500	> 100	> 100
	Polarization Extinction Ratio (PER)	> 100:1			
	Power stability	Less than 2% during 5 hours			
Optical fiber	Effective NA	0.075			
	Length (m)	1.0 ~ 3.0			
	Mode	Single mode optical fiber			
	Interface connector	FC/APC			
Control parameter	Output power	Independently adjustable			
	Output On/Off	Independently controlled			
Dimensions	Size (W x H x D) (mm)	448 x 233 x 410			
	Weight (/w 4 lasers)	Approx. 16 kg			

Dimensions

