

Waveform Editable System



CNI developed the laser light source with freely edited waveform. The model is fiber coupled with high stability, easy for operation. It can be used in optogenetics, biomedical and other applications that require laser modulation output.

In traditional optogenetics system construction, the experimental system is complicated to set up, the conditions cannot be precisely controlled and the maintenance of the experimental system is difficult.

This new model integrates the self-developed ultra-stable laser light source, high-precision light source control system, intelligent human-computer interaction interface, human eye safety protection and other functions, which greatly simplifies the construction difficulty of optogenetics system.



Product Features



- Integrated system with lasers, controller
- Intelligent human-computer interface
- Fiber interface docking detection
- human eye protect
- High power stability<0.5%
- Support external trigger signal
- Waveform editable
- Synchronizing signal output
- USB port for program update and reading data
- Wavelength customized
- Angle adjustable, easy for experimental

Technical Specifications

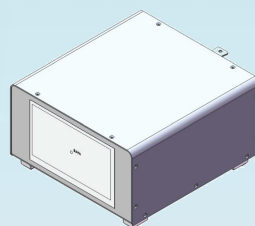
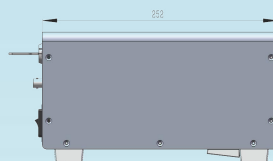
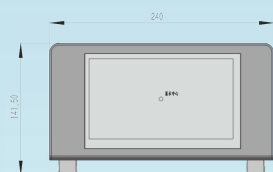
Available	465nm, 473nm, 470nm, 488nm, 532nm, 561nm, 577nm, 588nm, 589nm, 594nm (others available upon request)
Power variable range	0- 100mW
Power adjustable step length	0.1mW
Laser delay time	1ms-10000s
Laser on time	1ms-10000s
Laser off time	1ms-10000s
Power stability	<0.5%(4h rms)
Connector type	SMA905
Synchronizing signal port	BNC
External signal port (Trigger)	BNC
Custom signal input port (Input)	BNC
Warm-up time	5 min
Dimension (mm)	252×240×141.5(L×W×H)

CNI LASER: Complete Solution for Laser Technology!

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Dimension



Optional Accessories



Fiber Patch Cables(can be customized
with 1-to-2 or 1-to-multiple type)



Rotary Joint



Sleeve



Fiber optic cannula