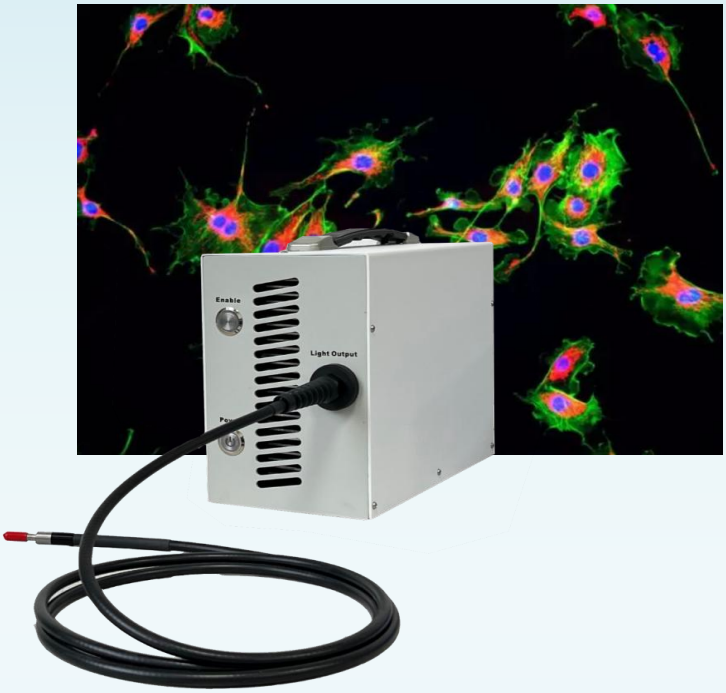
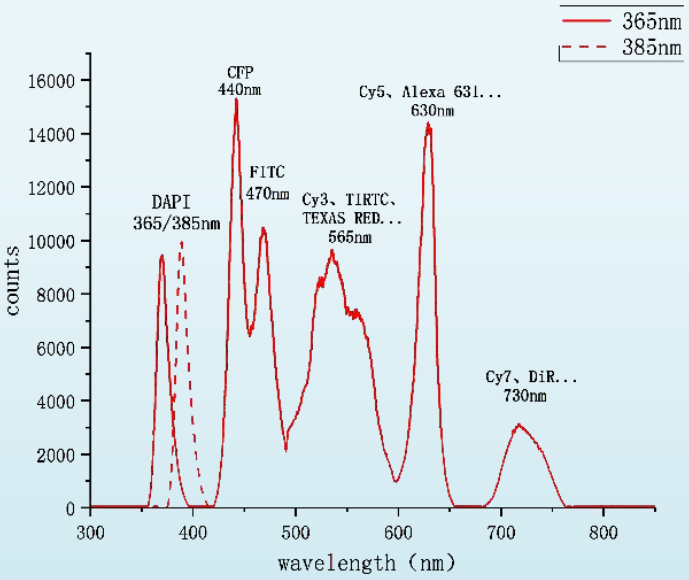
SLE

The SLE solid-state light engine is a cost-effective light source that can be used in various fields such as life sciences, materials science, industrial testing, and is compatible with various microscopes and optical systems





- ✓ **Multi channel independent control**
- ✓ **High brightness**
- ✓ **Wide spectral coverage**
- ✓ **Long lifespan**
- ✓ **Quiet operation**

CNI LASER: Complete Solution for Laser Technology!

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SLE

Features:

The SLE solid-state light engine has the characteristics of high power output, flexible spectral selection range, and silent operation, which can be used in various applications such as fluorescence imaging.

The SLE solid-state light engine has multiple independently controllable channels, with brightness comparable to the arc light of a microscope. In most applications, it can shorten the exposure time of samples to improve image quality and productivity. Each channel can be individually set for light intensity, with an increment of 1%, providing excellent control, flexibility, uniformity, and stability of light output.

Technical Specifications：

Product	SLE-I (1 channel)	SLE-IV (4 channel)	SLE-VI (6 channel)
Wavelength	(custom)Refer:Light source selection list	360-660nm(standard) (custom)Refer:Light source selection list	360-780nm(standard) (custom)Refer:Light source selection list
LED spectrum	/	Refer:SLE-IV spectrum	Refer:SLE-VI spectrum
Output power	/	⩾4W	⩾5W
Power source	DC12V-8.5A	DC12V-15A	100-240VAC 50/60HZ
Power dissipation	/	120W	230W
LED on/off response	15us TTL		
Control option	TTL compatibility—on/off Controller—on/off 1%; Power increment; Independent control of light intensity RS232; USB		
I/O connection	SMA905 input		
Size (L*W*H)	172mm*114mm*104mm	264mm*129mm*199mm	330mm*185mm*249mm
Weight	1.5kg	6kg	11.5kg
Warranty	24 months		

function

Integrating Drivers into a Syste
Optional combination of 1-6 channels
Wavelength range 360-780nm
Single wavelength or multi wavelength combination output
RS232 controls laser output
Modulation function optional

standard

1. SLE optical engine host
2. Liquid optical waveguide（ ϕ 3mm × 2m)
3. Power adapter 12V

Optional

Collimator: It has a collimating effect on the output light and is compatible with Zeiss, Nikon
Leica, Olympus and other microscopes
Control box: controls switch light and power adjustment, enabling power calibration

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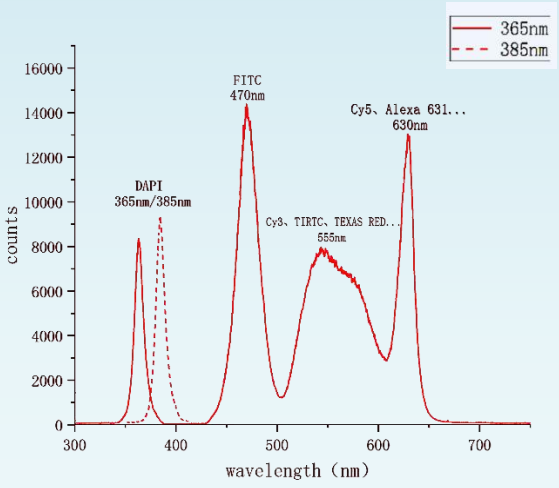
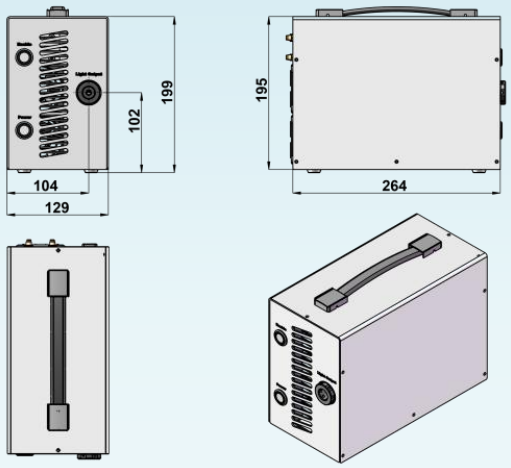
SLE-IV（4 Channel）



SLE-IV Spectrum



SLE-IV Dimension

SLE-IV（Standard）		
channelA ——	Channel B ----	Fluorescence Excitation
365nm	385nm	DAPI……
470nm	470nm	FITC……
555nm	555nm	Cy3、TIRTC、TEXAS RED……
630nm	630nm	Cy5、Alexa631……

SLE-IV Configuration

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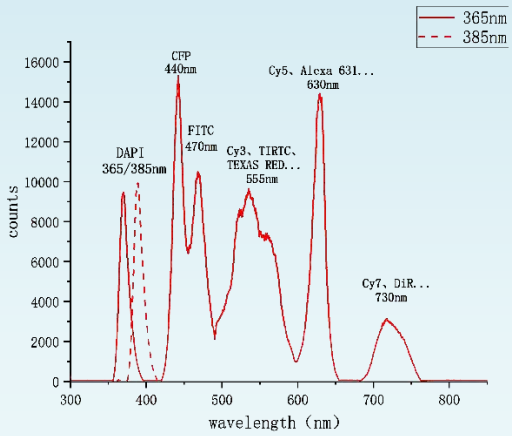
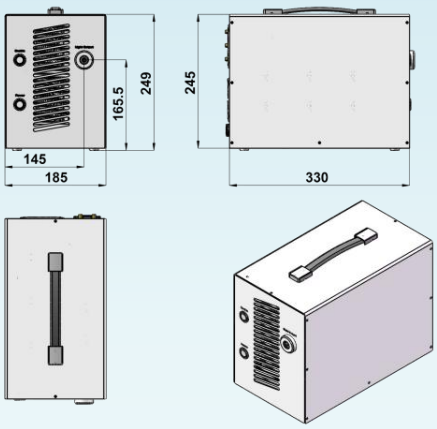
SLE-VI（6 Channel）



SLE-VI Spectrum



SLE-VI Dimension

SLE-VI（standard）		
channelA ——	Channel B - - - -	Fluorescence Excitation
365nm	385nm	DAPI……
440nm	440nm	CFP、Violet 480……
470nm	470nm	FITC……
555nm	555nm	Cy3、TIRTC、TEXAS RED……
630nm	630nm	Cy5、Alexa631……
730nm	730nm	Cy7、DiR……

SLE-VI Configuration

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SOURCE SELECTION LIST:

Customized light source wavelength (Channel 1-6 optional)			
Channel 1	LED: 365nm 385nm 405nm	Channel 4	LED: 525nm 555nm 579nm
	LD: 405nm		LD: 525nm
Channel 2	LED: 440nm 460nm(Incompatible channel 3)	Channel 5	LED: 630nm 650nm
	LD: 440nm		LD: 638nm 660nm
Channel 3	LED: 470nm	Channel 6	LED: 730nm
	LD: 468nm		LD: 740nm

ACCESSORY:

Controller

Collimator

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