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For Life Science Applications

Germany, Austria, Switzerland, Scandinavia

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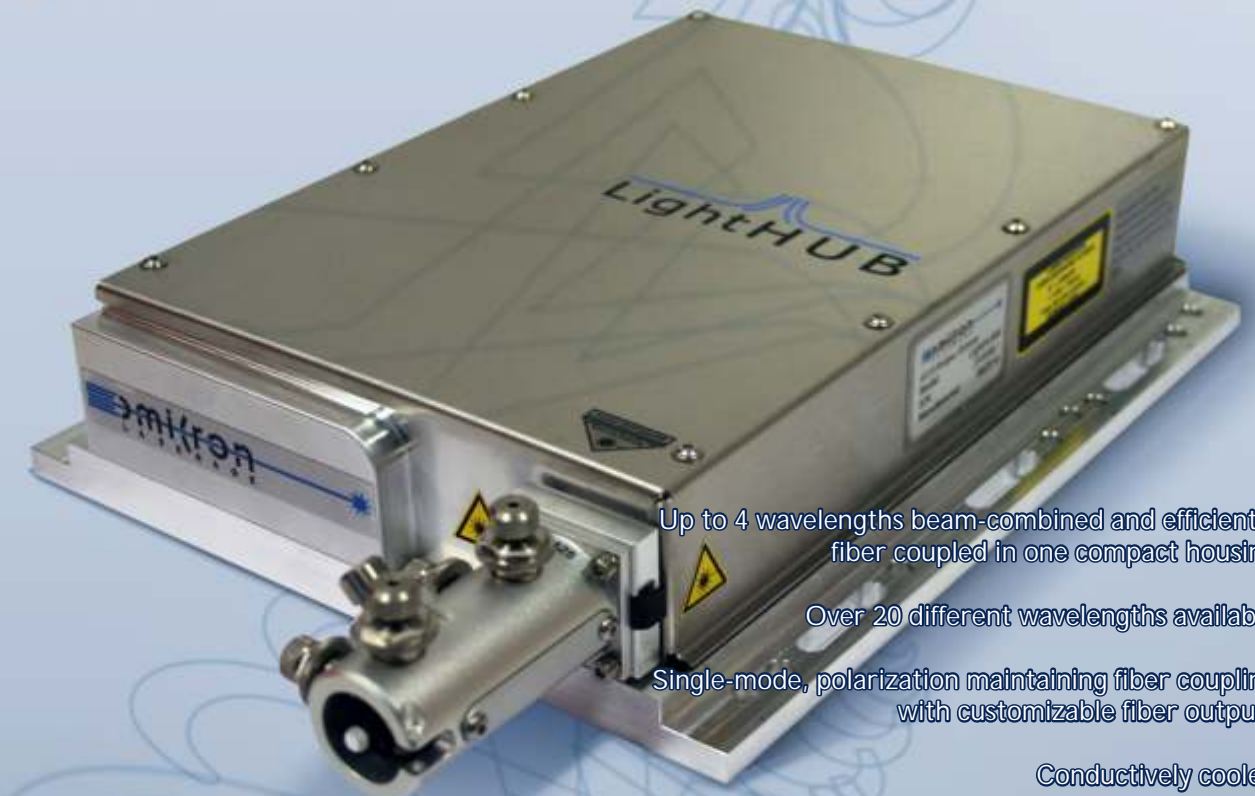
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Compact Laser Combiner



LightHUB



Up to 4 wavelengths beam-combined and efficiently fiber coupled in one compact housing

Over 20 different wavelengths available

Single-mode, polarization maintaining fiber coupling with customizable fiber outputs

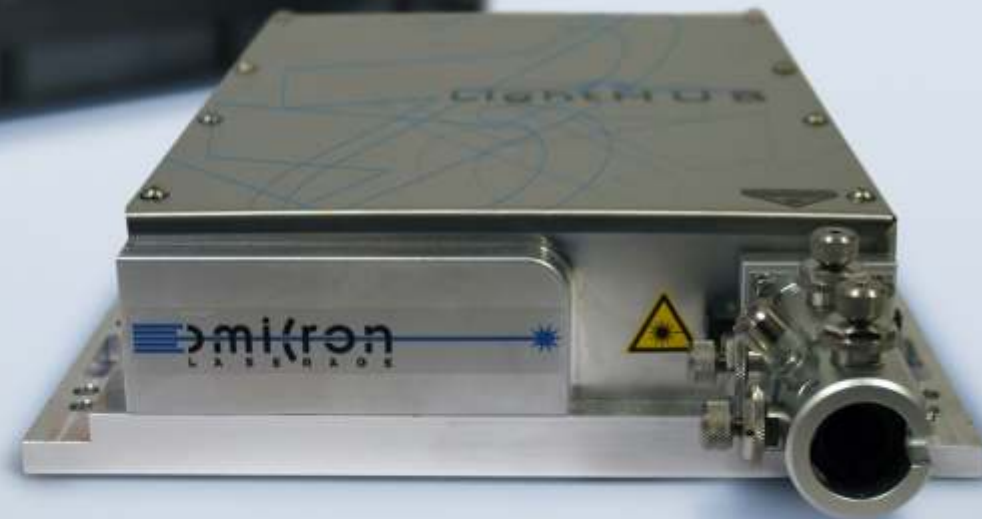
Conductively cooled

Windows™ based laser control software included

Field upgradable

OEM versions available

The LightHUB[®] compact laser combiner can be equipped with up to four DPSS or diode lasers of different wavelengths in a compact and rugged design. Wavelengths between 375nm and 830nm and optical output powers up to 150mW per laser line are possible. The Compact Laser Combiners can be equipped with polarisation maintaining fiber coupling units to supply the light for applications in biotechnology like confocal microscopy or flow cytometry and many more.



Wavelengths and powers (internal laser power):

- 375nm / 20mW
- 395nm / 120mW
- 405nm / 55mW, 60mW, 120mW
- 415nm / 120mW
- 425nm / 120mW
- 445nm / 50mW
- 457nm / 25mW, 50mW
- 473nm / 20mW
- 488nm / 20mW, 60mW, 80mW
- 515nm / 25mW, 50mW, 100mW
- 532nm / 25mW, 50mW, 100mW, 150mW
- 540nm / 25mW, 50mW
- 561nm / 25mW, 50mW, 75mW, 100mW, 150mW
- 594nm / 25mW, 50mW, 100mW
- 637nm / 150mW
- 638nm / 40mW
- 642nm / 140mW
- 660nm / 130mW
- 685nm / 50mW
- 705nm / 40mW
- 730nm / 40mW
- 808nm / 140mW
- 830nm / 140mW

(others on request)

Fiber coupling:	Type:	Single-mode, polarization maintaining or Multi-mode
	Fiber output:	FC/APC, FC/PC and collimated outputs on customers demand
Free emission:	Beam diameter	0.7mm 1/e ² , others available on request
Control interfaces of the laser sources:	Type:	USB2.0 / RS-232
Laser control software:		Windows™ based laser control software
Supply voltage:		5VDC / 12VDC / 24VDC (depending on laser type)
Mechanical size:		L x W x H: 260mm x 220mm x 64mm (without fiber coupler)