

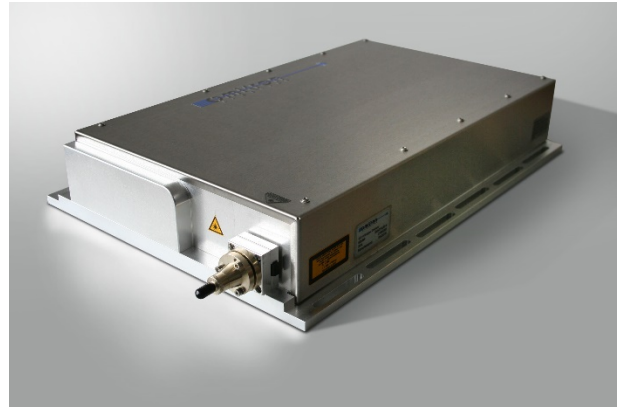


DATASHEET

01.2019

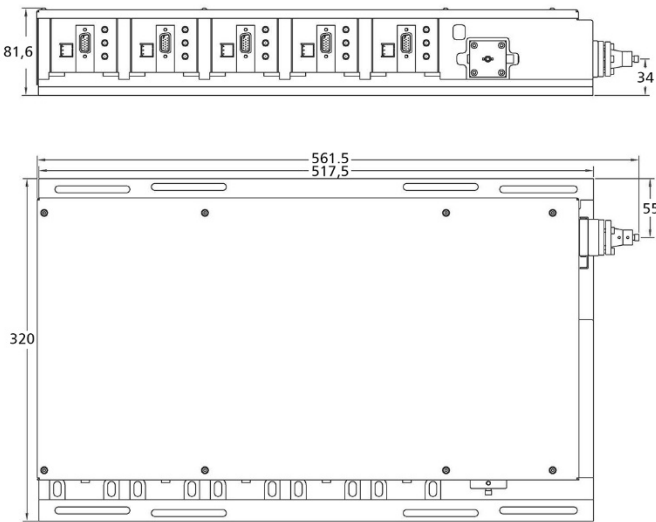
BrixX[®] HUB

High-power laser combiner with up to 6 wavelengths

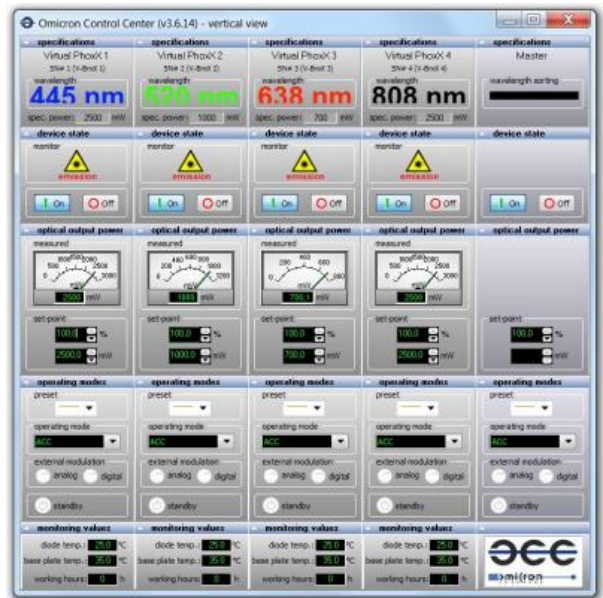


The BrixXHUB[®] High-Power Laser Combiner can be equipped with up to 6 DPSS or diode lasers of different wavelengths (two of the same per wavelength are possible) in a compact and rugged design. Wavelengths between 375nm and 808nm and optical output powers up to 2500mW per laser line can be installed. The BrixXHUB is available in free-space emission or with fibre coupled output. With the optionally available speckle reducer, the BrixXHUB is ideally suited for laser wide field applications like superresolution microscopy or high-speed machine vision. With the USB and RS-232 interfaces of each individual laser, the BrixXHUB unit can be easily installed into new or existing setups.

Dimensions



Control Software



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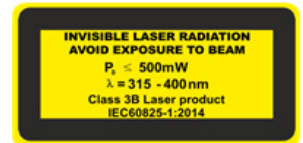
For more online information:



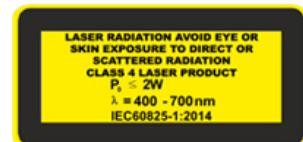
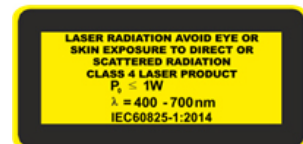
BrixXHUB® - Specifications:	
Available models:	BrixXHUB®-2 - combines up to 2 laser lines BrixXHUB®-4 - combines up to 4 laser lines BrixXHUB®-5 - combines up to 5 laser lines
available wavelengths and powers: (internal laser power)	375nm / 400mW 405nm / 1200mW 445nm / 2500mW, 5000mW 473nm / 1000mW 488nm / 2000mW 520nm / 1000mW 555nm / 1000mW 638nm / 700mW, 1200mW, 2200mW 647nm / 500mW 750nm / 1500mW 808nm / 2500mW Integration of further High-Power Multi-Mode diode lasers as well as DPSS lasers + AO modulator possible on request
Fibre coupling:	Type: multi-mode fibres with round or square shape Fibre output: FC/PC or SMA
Free emission:	Beam diameter: e.g. 2,5mm 1/e ² (Beam diameter depends on wavelength)
Control interface:	Type: USB 2.0 / RS-232
Laser control software:	Windows™ based laser control software - Omicron Control Center (OCC)
Supply voltage:	24VDC (depending on laser type)
Mechanical size:	BrixXHUB-4: L x W x H: 495mm x 416mm x 82mm (with optional Speckle Reducer) BrixXHUB-5: L x W x H: 443mm x 416mm x 82mm (Size can vary with type of lasers and options installed)

Laser Safety classification:

Class 3B



Class 4



No of slots for lasers that can be installed