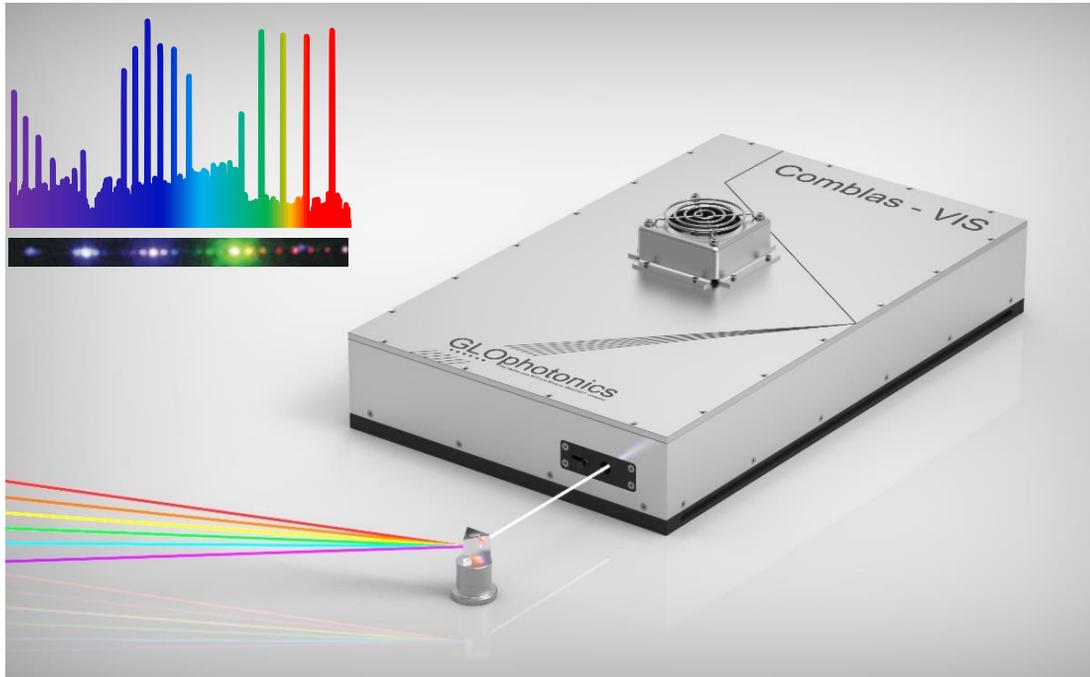




Frequency Conversion

CombLas VIS

Multi-line laser for the applications in the VIS spectral range



*Your perfect high power spectral density solution
for broadband source in UV-A – NIR*

More than 20 lasers in a single device

Broadband operation: 350-950 nm

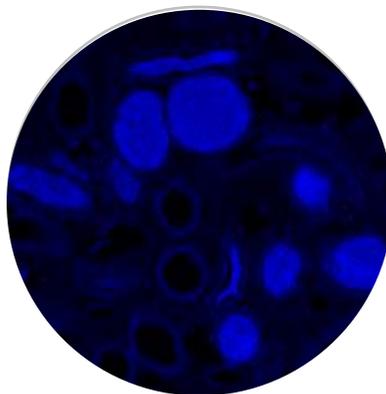
High power spectral density

Output mode quality: $M2 < 1.2$

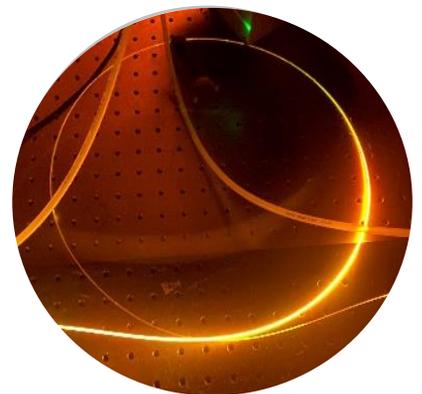
Fluorescence
spectroscopy



Biomedicine



Trace-gas analysis



Optical Properties

Working wavelength (nm) ⁽¹⁾	350-950									
Total output power	> 50 mW									
Pulse repetition rate	10 kHz									
Power spectral density (2)	Wavelength (nm)	355	369	377	386	395	424	437	448	459
	PSD (mW/nm)	0.3	0.12	0.12	0.15	0.60	1.25	1.85	1.85	1.85
	Wavelength (nm)	473	486	501	515	532	549	567	632	656
	PSD (mW/nm)	5.00	5.50	6.00	7.50	32.0	15.0	2.50	1.80	7.50
	Wavelength (nm)	683	712	743	777	855	900	950		
	PSD (mW/nm)	17.5	12.5	10.6	8.70	5.00	7.50	5.00		

Physical Properties

Operation voltage	100 – 240 VAC 50/60Hz
System cooling	Air Cooled
Operating temperature	18°C - 25°C
Laser head dimension	288 x 470 x 126 mm
Controller dimension	21 x 17 x 5 mm
Laser head weight	11 kg
Controller weight	1 kg

(1) Adjustable within the specified wavelength limits according to the customer's needs

(2) Adjustable according to the customer's needs

All specifications may be changed without notice

