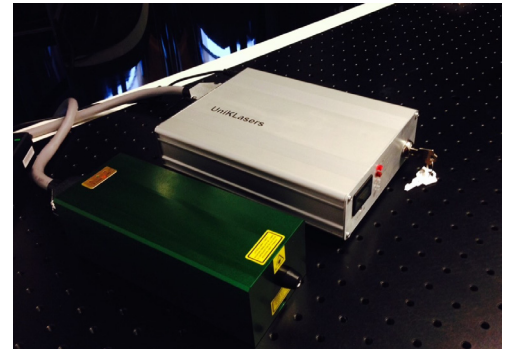


BRaMMS-Duetto - 532/XXXX

- from 50mW to 2W output power at 532nm SLM
- feedback locked Single Longitudinal Mode CW operation
- mode hops and lock loss free
- very low noise performance, < 0.1% rms
- excellent beam quality from smallest footprint
- lowest power consumption for given output



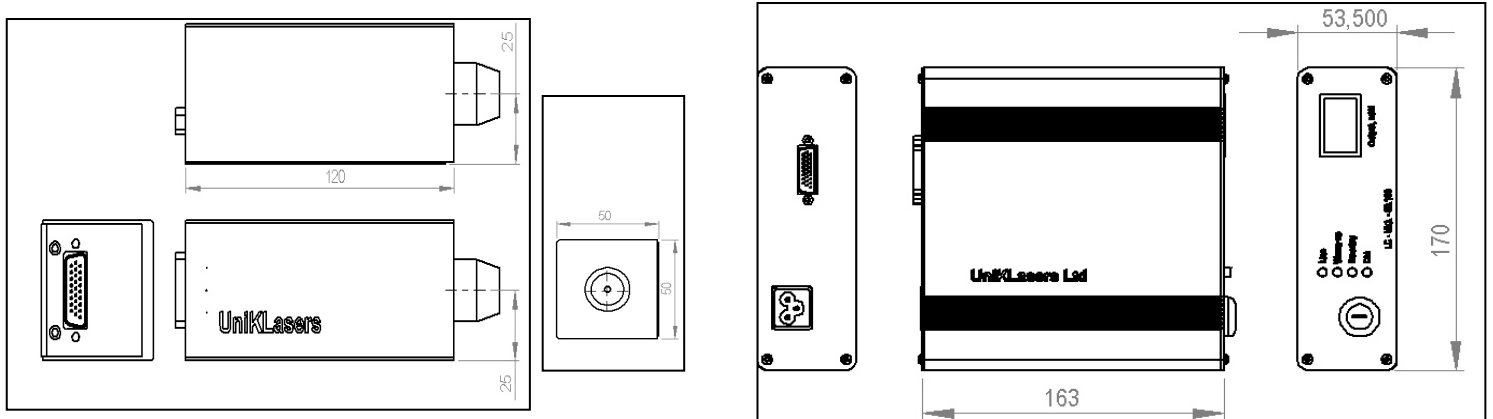
BRaMMS – Duetto - 532/1000

	Units	Low Power Version	High Power Version
Output Beam Parameters:			
Output Power (CW)	mW	50-150	300-2000
Wavelength	nm	532	
Output Beam Diameter, TEM ₀₀	mm	0.8	1.0
Beam Divergence	mrad	< 1, diffraction limited	
Beam Pointing Stability	μrad/°C	≤ 5	
Longitudinal Mode Structure		SLM	
Line Width	MHz	< 0.5	
Line Spectral Position Stability	MHz (pm)	+/- 50 (+/-0.2) within 4 hrs of CW operation	
Coherence Length	m	> 100	
Mode Hops Free Fine Tuning Range	GHz	25 - 30 (optional)	
Polarisation		Linear, Vertical; ≥100:1	
Output Power Noise	%	≤ 0.1rms, ≤ 1p-p (10Hz - 10MHz)	
Output Power Stability	%	≤2, within any 4 hours of CW operation	
Environmental:			
Working Temperatures	°C	15 - 35, conductive cooling via mounting interface	
Storage Temperatures	°C	-20 to 75	
Humidity	%	5 -95, non-condensing	
Warm up time	min	<10	<15
Dimensions and Electrical:			
Operating Voltage	VAC	90 to 240	
Frequency	Hz	50-60	
Power Consumption	W	<20	<60

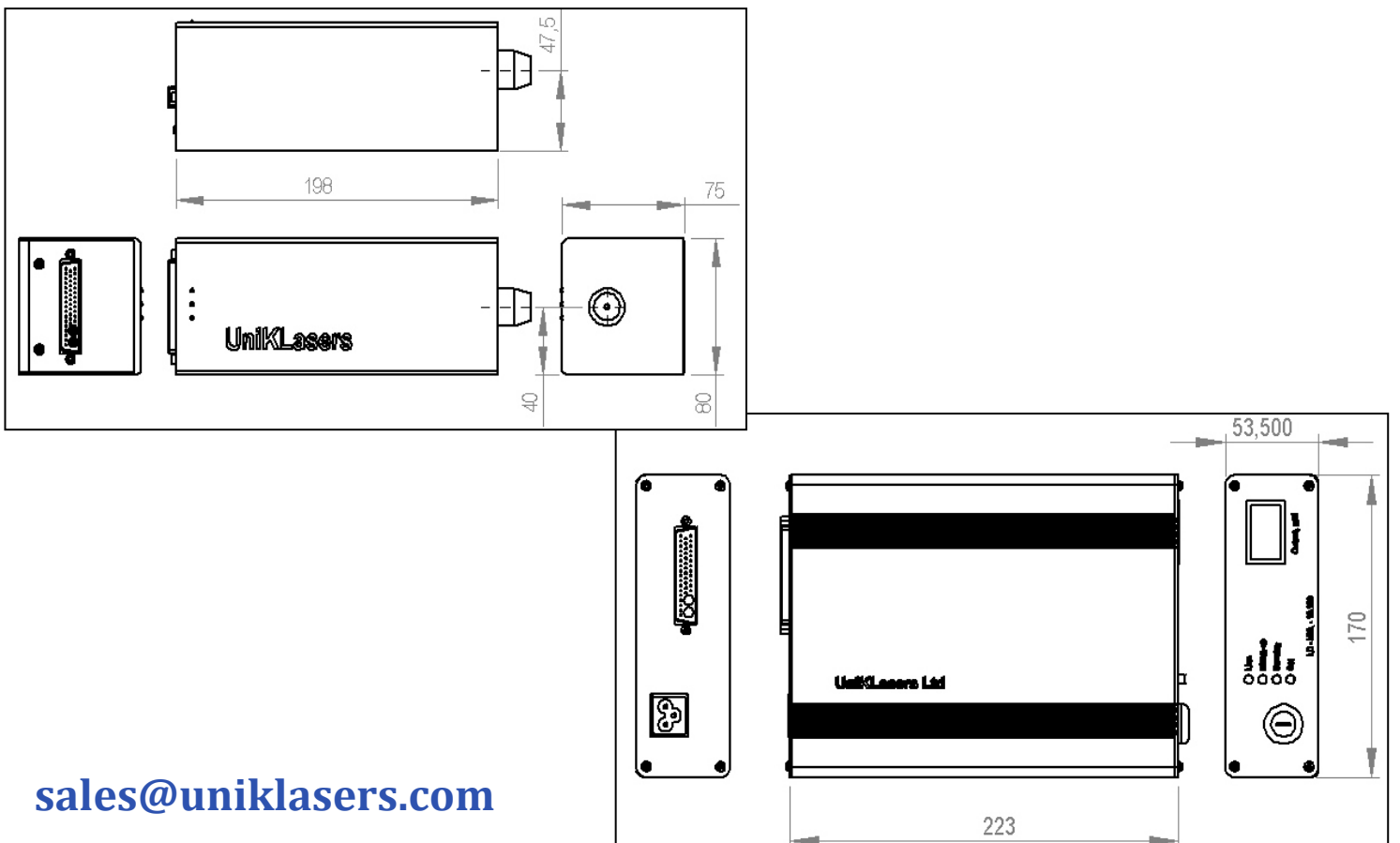
*Fixed output power turnkey system, CW operation, factory aligned and sealed.
Specification may be subject to change without notice.*

BRaMMS-Duetto - 532/XXXX Laser Head and Controller Dimensional Specification

Low Power Version - 50-150mW: Laser Head 50x 50x 120mm; Controller 170x 53.5x 163mm



High Power Version - 300-2000mW: Laser Head 80x 75x 198mm; Controller 170x 53.5x 223mm



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