

ALICE-NS series

Q-switched Nano-second medical OEM laser



FEATURES

- **100-1200mJ** at 1064nm / **50-500mJ** at 532nm
- **1-10 Hz** repetition rate / **6 ns** pulse duration
- Incorporate Microoptics Mirror to provide outstanding Top hat spatial profile
- Compact and reliable resonator structure ensures long-term thermal and mechanical stability

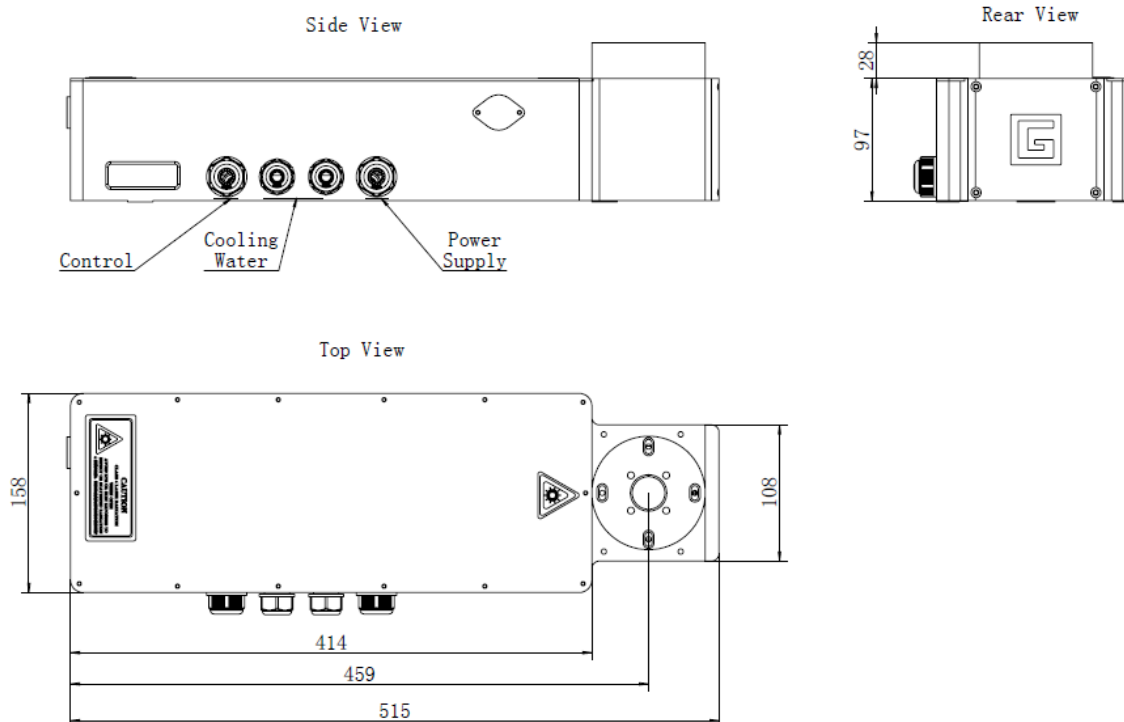
ALICE-NS laser series all feature a efficient double Nd:YAG rod with single cavity design, and Microoptics Mirror coupled flat top output. Supply system and optical system layered structure both contribute to ALICE-NS lasers' long term high performance and reliability.

APPLICATIONS

- Medical Beauty
- Chloasma removal
- Tattoo removal
- Skin pigment treatment

ALICE-NS Laser Head Mechanical Specifications

Unit: mm



Q-switched Nano-second medical OEM laser

Beam characteristics

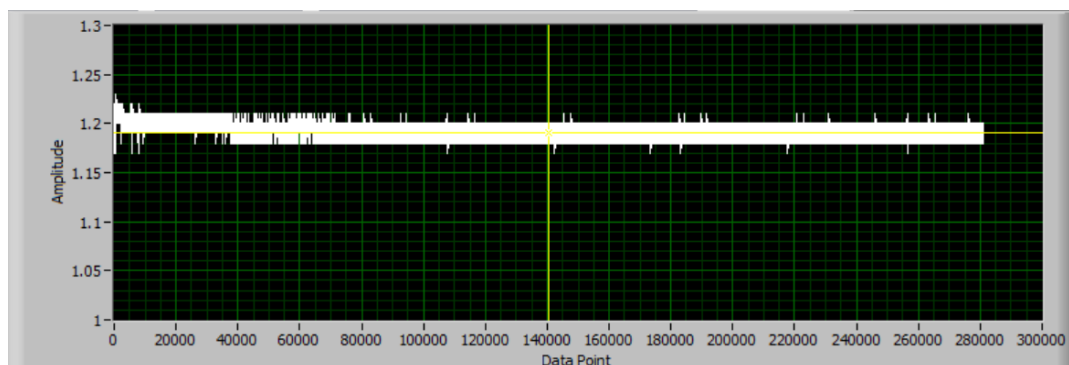
Version	ALICE-NS	ALICE-NS(H)
Repetition Rate ¹ (Hz)	1-10Hz	1-10Hz
Energy (mJ)		
1064nm	1000mJ	1200mJ
532nm	500mJ	500mJ
Energy Stability RMS (%)		
1064nm	1.0%	
532nm	1.5%	
Power Drift ² (%)		
1064nm	2%	
532nm	3%	
Pulsewidth FWHM ³ (ns)	~6.5ns @1064nm	~6ns @1064nm
Divergence ⁴ (mrad)	<4mrad	
Beam Diameter (mm)	~9	
Beam Spatial Profile	Top hat	
Polarization	linear	

General characteristics

AC Input	220 VAC ±5% 50-60Hz
Power Consumption	<700W (typical 1200mJ at 10Hz)
Operating Conditions	Temperature 20-35°C Humidity <60%

NOTES

- 1.All specifications at 1064nm and 10Hz repetition rate unless otherwise noted.
- 2.Average in 8 hours with room temperature variation $\delta T < 3^{\circ}\text{C}$.
- 3.Full width at half maximum.
- 4.Full angle for 86.5% of energy.



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