

## FemtoNL-920nm-1

FemtoNL-920nm-1 is the latest femtosecond laser based on fiber CPA technology, which can be used in frontier research. It offers a special wavelength of  $\sim 920\text{nm}$ , a maximum power of  $1\text{W}$ , a pulse width of  $\sim 200\text{fs}$  and a high repetition frequency of  $80\text{MHz}$ . Besides, FemtoNL-920nm-1 has good pattern of light spot, high stability of pulse energy, thus can be used in multi-photon imaging, biomedicine and material analysis.



### Features:

- Average power:  $\sim 1\text{W}$
- Pulse duration:  $\sim 200\text{fs}$
- Peak power:  $80\text{MHz}$

### Applications:

- Multi-photon imaging
- Biomedical research
- Material analysis

**Specifications:**

Model	FemtoNL-920nm-1
Average Power	~1W
Central Wavelength	~920nm
Repetition Rate	80MHz
Power Stability	<1%
Pulse Duration	~200fs
Beam Diameter	~2mm (1m from output aperture)
Beam Divergence (Full Angle)	<2mrad (Defined by ISO-11146-1)
State of Polarization	Linear polarized(S)
Sync Output	SMA TTL pulse
Control	RS232 or DB25
Power Requirements	AC 100V-240V 50/60Hz Rated output > 960W
Dimensions (L*W*H)	680mm*410mm*131mm

