FemtoYL-UV-6

FemtoYL-UV-6 is the latest industry femtosecond UV laser. FemtoYL-UV-6 has a ~350fs variable pulse duration in the wavelength of 343nm and a high average power up to 6W. It is a cost-effective fiber laser system that provides stable and clean short femtosecond pulses with an excellent beam quality and power stability. FemtoYL-UV-6 is a great solution for applications of two-photon fluorescence microscopy and two-photon polymerization and etc.

Features:

- Central wavelength 343±5nm
- Average power ~6W
- Pulse duration ~350fs
- Pulse energy ~6μJ
- Beam quality M^2<1.3

Applications:

- Two-Photon fluorescence microscopy
- Two-Photon polymerization
- Material micro-machining

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Specifications:

Model	FemtoYL-UV-6
Central Wavelength	~343±5nm
Average Power	~6W
Pulse Duration	~350fs
Repetition Rate	1Hz-5MHz
Power Stability	<3%
Pulse Energy	~6μJ
Peak Power	20MW
Beam Quality	M^2<1.3
Beam Diameter	~3mm(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
Power Requirements	AC 100V-240V50/60Hz Rated output>960W
Dimensions (L*W*H)	680mm*410mm*187.5mm

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