

ALTAIR Series

High repetition rate, high power femtosecond fiber laser



ALTAIR produces high average power with ultrashort femtosecond pulses (down to <math><100\text{ fs}</math>) at high repetition rate (40 MHz or 80 MHz) in an ultra compact and robust format. ALTAIR is a fiber laser providing high stability and excellent beam quality.

Integrating state of the art high-power fiber amplifiers and pulse management, ALTAIR offers remarkable pulse quality at high average power with no maintenance required.

ALTAIR is perfectly well suited for microscopy applications using fluorophores requiring special wavelengths and high imaging resolutions.

KEY FEATURES

- Average power from hundreds of mW to 20W
- From <math><100\text{ fs}</math> to 200 fs pulse duration.
- High repetition rate
- Excellent beam quality
- Low timing jitter
- Compact package, Rugged design, Plug-and-play
- Maintenance free



APPLICATIONS

- Multiphoton microscopy
- Two-photon microscopy
- Optogenetics
- Neuroscience
- Terahertz generation

