FASTLITE

Ultrafast - Shaping - Measurement - Control

twin STARZZ High flux MIR OPCPA

Sub 100fs tunable MIR pulses at 100kHz

Simultaneous signal & idler outputs

Dual ps and fs mode within a click

The **STARZZ** series of high flux MIR OPCPA is the perfect combination of Ytterbium amplifiers industrial quality and power with FASTLITE ultrafast expertise.
With its design based around FASTLITE landmark technologies for ultimate control and flexibility, the **twin STARZZ** delivers up to 20W of tunable IR pulses at 100kHz with an unprecedented simplicity, thus drastically reducing experiment times for the most demanding applications.

Applications

2D-IR Spectroscopy

Time & Frequency-resolved spectroscopy

Molecular science

Key Features

All collinear geometry

Wavelength extensions available

Industrial-grade Yb pump

Dry air, purge-compatible enclosure

Phone: +33 (0)4 88 13 17 51
Fax: +33 (0)4 92 95 76 90
E-mail: info@fastlite.com

FASTLITE
www.fastlite.com

Les Collines de Sophia, bât D1
1900 route des crêtes, 06560
Valbonne, FRANCE

FASTLITE

Ultrafast - Shaping - Measurement - Control

twin STARZZ High flux MIR OPCPA

Preliminary specifications

	twin STARZZ
Repetition rate	100 kHz
Central wavelength tunability range	*signal* 1,4 - 1,75 µm *and* *idler* 2,5 - 4.0 µm
Output power signal & idler combined *with 50W pump* *with 100W pump*	 10 W at peak 20 W at peak
Pulse duration *in fs mode* *in ps mode*	 <50 - 100 fs 1.5 ps
Pulse to pulse stability	< 1.5 %rms
	DFG option
Tunability range	5 - 12 µm
Output power *with 50W pump* *with 100W pump*	 500 mW at peak 1 W at peak
Pulse duration *in fs mode* *in ps mode*	 < 100 -200 fs 1.5 ps

Included exclusive technologies

100kHz Dazzler

Octopuzz

Sync unit

Big Brozzer

multi-channel data acquisition system

Available diagnostics

Mozza

1-5µm spectrometer

Frozzer

1-9µm scanning FROG