

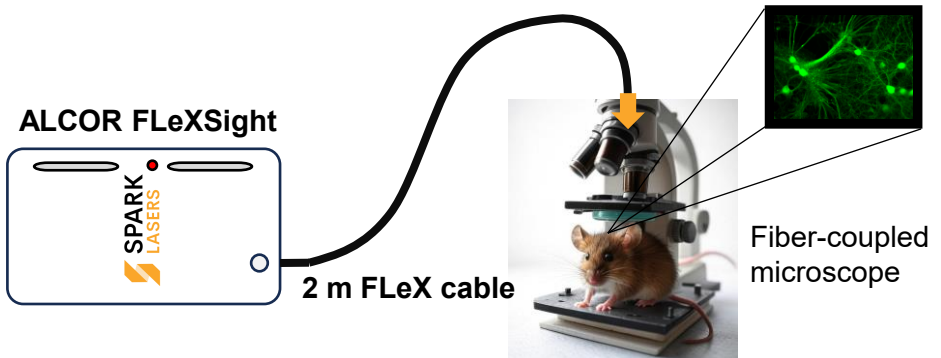


ALCOR FLeXSight



Fiber-delivered femtosecond laser for 2P-microscopy

- Direct fiber coupling for optimal efficiency and stability
- Ready to use : no alignment required
- Industry proven technology since 2019



ALCOR FLeXSight

General specifications*

General	ALCOR 920-1-FLeXSight	ALCOR 920-2-FLeXSight	ALCOR 1064-2-FLeXSight or ALCOR 1040-2-FLeXSight
Wavelength	920 nm		1064 nm or 1040 nm
Average power at fiber output	> 0.7 W	> 1.2 W	> 1 W
Pulse duration	< 120 fs		< 130 fs
Group Delay Dispersion	Computer-controlled from -60 000 fs ² to +5000 fs ²		
Repetition rate	80 MHz +/- 2 MHz		
Polarization	Linear with > 90 % extinction		
M ²	< 1.3		
Power control and modulation			
Power adjustment	Calibrated from 0 to 100% with a resolution of 0.05%		
Analog power modulation	MOD IN port : 0-5 Volts, 1 kOhm		
Analog modulation bandwidth	> 1MHz		
Gating (ON/OFF)	GATE IN port : TTL 0-5 Volts, 1 kOhm		
ON/OFF response time	< 200 ns		
FLeX fiber cable			
Length	2 meters		
Connectors	FC/APC on both ends		
Fiber cable type	Reinforced stainless steel		
Dimensions			
Control Unit	19" / 3U height		
Laser head	270 x 165 x 79 mm (346x165x79 mm with protection cone)		
Option			
Cable length	Any length up to 2.3 m		
Collimators	Compact collimator to provide collimated beams with a factory-set beam diameter		
Multiple outputs	2 outputs (MB2) or 4 outputs (MB4) with independent power control		
Mini2P	Mini2P fiber cable with collimator for freely moving experiment		
Customized repetition rate	Factory-set repetition rate from 30 MHz up to 85 MHz		
Variable repetition rate	Computer-adjustable repetition rate starting at 40 MHz (PP40) or 80 MHz (PP80)		

* This information is subject to modifications without prior notice

