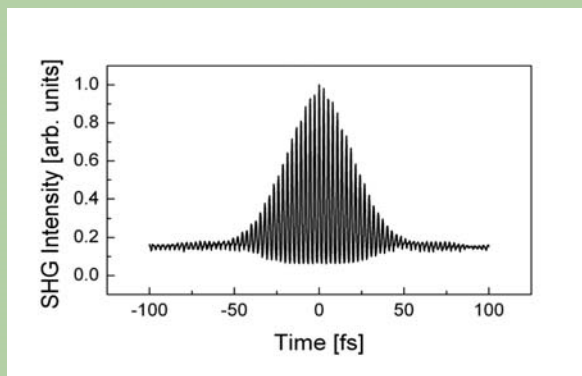


## Boost Productivity and Reliability

- Measures and compresses pulses in seconds
- Uses the MIIPS<sup>®</sup> auto-calibration and auto-compression technology
- Complete pulse shaping solution (includes computer, spectrometer and nonlinear optical detection)
- Eliminates the need of a “laser jock”



Push-button interferometric autocorrelation

**Biophotonic**  
SOLUTIONS INC  
ULTRAFAST PULSE SHAPING & COMPRESSION



## Eliminate Manual Tweaking

*With Push-Button Pulse Characterization*

### Includes the MIIPS<sup>®</sup> technology:

MIIPS<sup>®</sup> is an automated procedure for measurement and compression of optical pulses. It uses a calibrated pulse shaper to introduce a set of reference phase functions and monitors their effect on spectrally resolved nonlinear response such as second harmonic generation.

Mathematical analysis of the recorded spectra provides a direct measurement of high-order pulse dispersion. The measured spectral phase can be compensated by the pulse shaper to compress the laser pulses to their transform limit at the target, without manual tweaking.

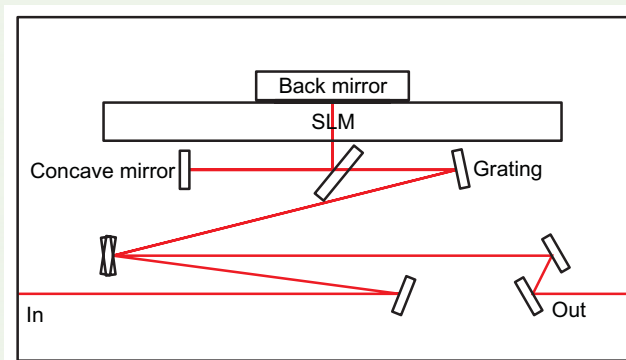
## System Specifications

Number of pixels	128
Operating wavelength range	480 - 1700 nm
Maximum spectral window	500 nm
Shaping of spectral phase and amplitude independent of repetition rate	

## Schematic

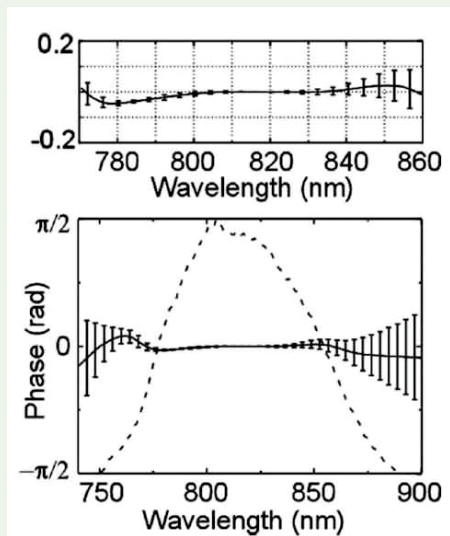
Recommended beam diameter 2-4 mm

Dimensions L x W x H 457 x 304 x 229 mm (18.0 x 12.0 x 9.0 in.)

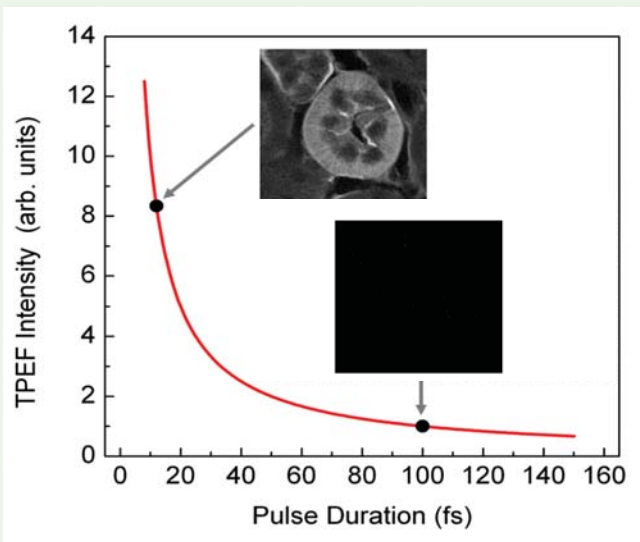


Biophotonic Solutions continuously follows a strict product improvement and evaluation program. Specifications are subject to change without notice.

## Example of correction of nonlinear dispersion from 1.1 NA microscope objective.



Compensated phase



Two photon images before and after compression