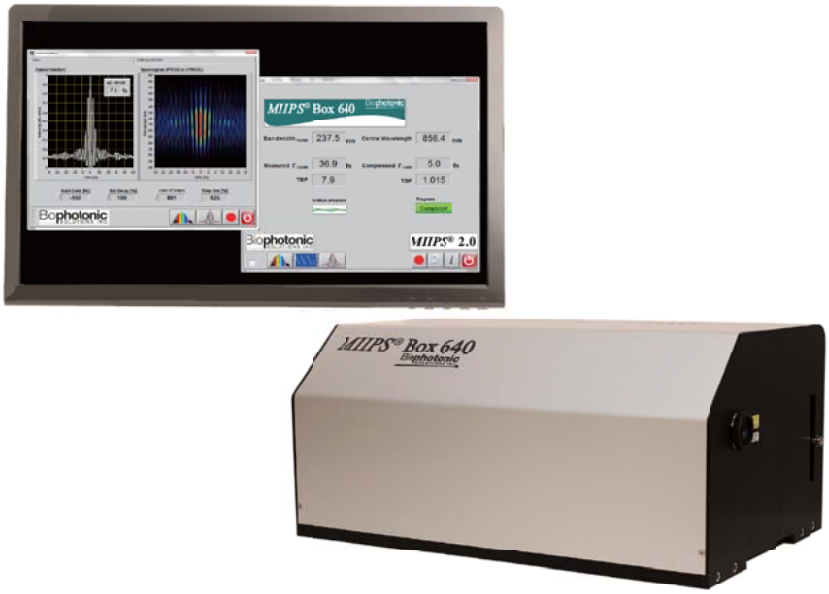
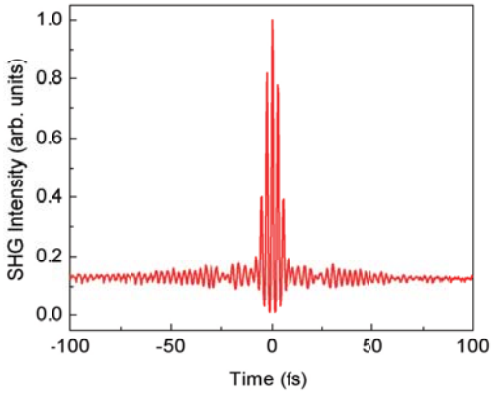
MIIPSBox640

Biophotonic SOLUTIONS INC
ULTRAFAST PULSE SHAPING & COMPRESSION

High-Resolution Pulse Shaper

- Measures and compresses pulses in seconds
- Uses the MIIPS® auto-calibration and auto-compression technology
- Complete pulse shaping solution (includes computer, spectrometer and nonlinear optical detection)
- Finalist of the 2008 Prism Award





Push-button interferometric autocorrelation

Eliminate Manual Tweaking

With Push-Button Pulse Characterization

Includes the MIIPS® technology:

MIIPS® 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.

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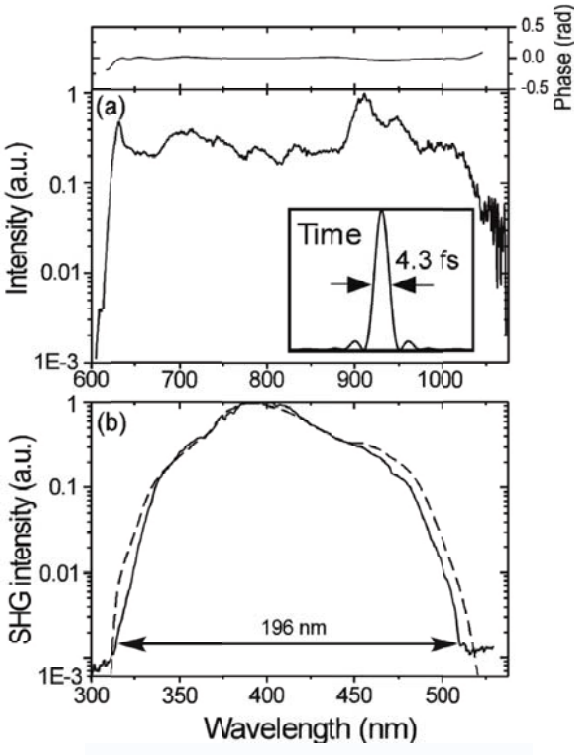
System Specifications

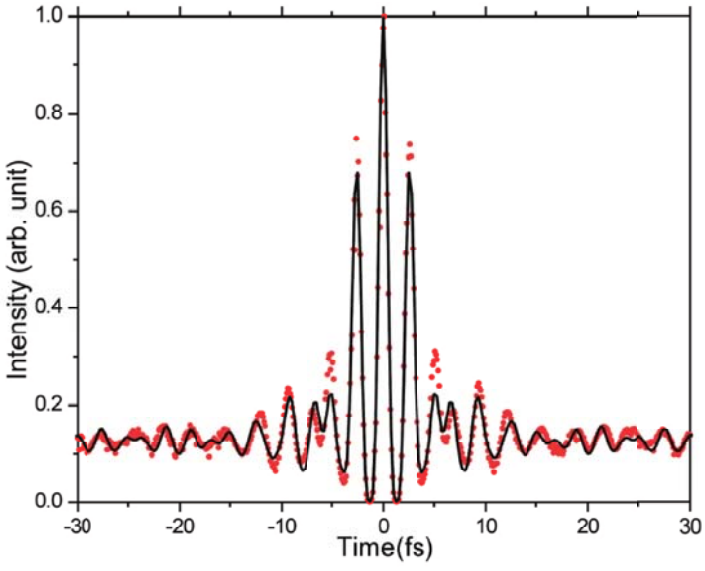
SLM type	1D array, liquid crystal
Pixel pitch	100 μm
Number of pixels	640
Operating wavelength range	430 - 1700 nm
Maximum spectral window	up to one octave
Maximum average power	2 W
Maximum input pulse energy[&]	250 μJ
Recommended $1/e^2$ beam diameter	2.5-3.5 mm
Input polarization	linear, horizontal
Dimensions L x W x H	476 x 305 x 260 mm (18.75 x 12.0 x 10.25 in.)

Shaping of spectral phase and amplitude*, independent of the laser repetition rate.

[&]Depends on the center wavelength of the laser source.
*Phase-only or phase-and-polarization shaping modes are available.

Ideal for supercontinuum compression





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