QuickShape Visible
FLEXIBLE VISIBLE PULSE SHAPER

QuickShape Visible is a powerful visible and near-IR pulse shaper that has been designed and engineered for flexibility and ease of use.
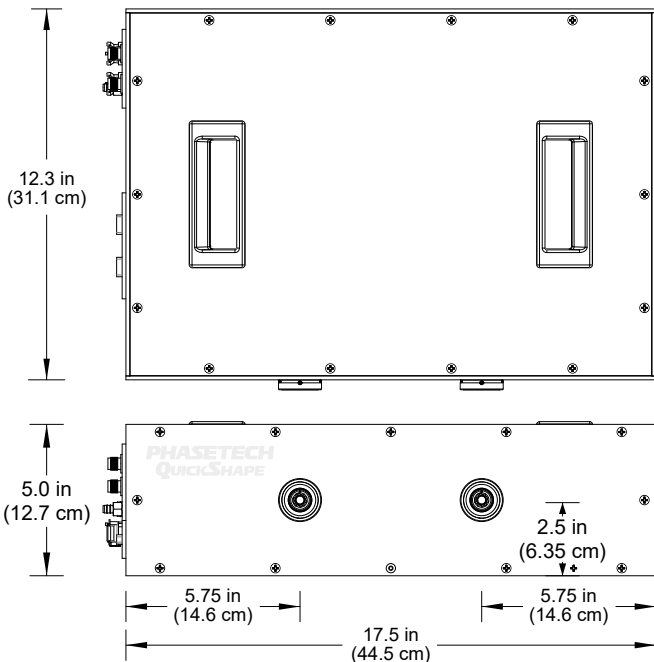
CAPABILITIES & FEATURES

- Shot-to-shot scanning
- Easy-to-use software with advanced features
- Phase cycling & rotating frame
- Create exponential, reverse-exponential pulses, Gaussian and double pulses
- GVD and TOD correction
- Generate your own custom pulse shapes
- User-adjustable spectral resolution

APPLICATIONS

- Time-domain 2D Visible
- Frequency-domain 2D Visible
- Transient 2D Visible
- Coherent control
- Transient absorption spectroscopy
- Rapid-scan optical delay line
- High-repetition-rate chopper

We can tailor the spectral resolution & window to your application

SPECIFICATIONS

Standard AR Coating	450 - 900 nm
(other wavelength ranges are available upon request)	
Spectral Window	Adjustable (see examples below)
Spectral Resolution	Adjustable (see examples below)
Effective Pixels[1]	> 700
Repetition Rate[2]	≤ 100 kHz
(higher repetition rate posssible for some applications)	
Input Polarization	Linear, Horizontal
Input Beam Size (1/e^2)	4.5 mm, collimated
Approximate Size	12.3 x 17.5 x 5 in (31.1 x 44.5 x 12.7 cm)

Example with 1200 g/mm gratings centered at 675 nm

Spectral Window	155 nm
Spectral Resolution	0.20 nm
Max. Double Pulse Delay[4]	3900 fs

Example with 900 g/mm gratings centered at 790 nm

Spectral Window	215 nm
Spectral Resolution	0.30 nm
Max. Double Pulse Delay[4]	3800 fs

[1] See our website for more about how the effective pixel size is measured.
[2] Maximum repetition rate with use of minimum aperture size, repetition rate with full aperture depends on gratings used.
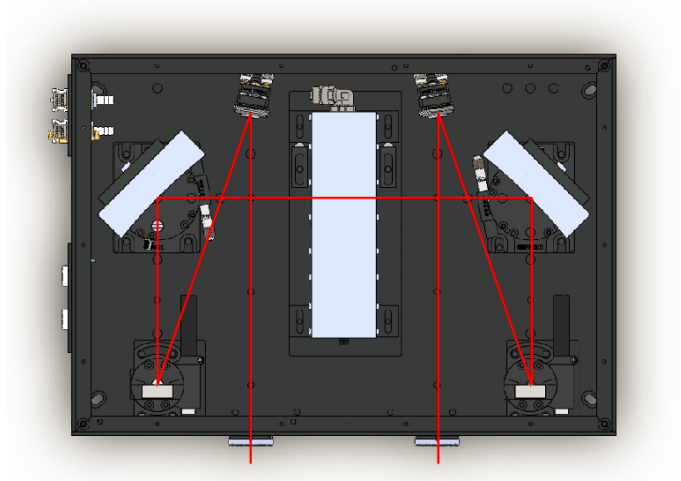[3] Estimated. Depends on gratings and wavelength.
[4] Calculated based on effective pixel size with gratings specified.

PHASETECH QuickShape Visible

ADDITIONAL INFORMATION

INCLUDES

- Advanced Arbitrary Waveform Generator - load & cycle through over 79,000 pre-defined pulse-shape
- Detailed User Manual
- LabView™ Control VIs
- QuickControl Software Package
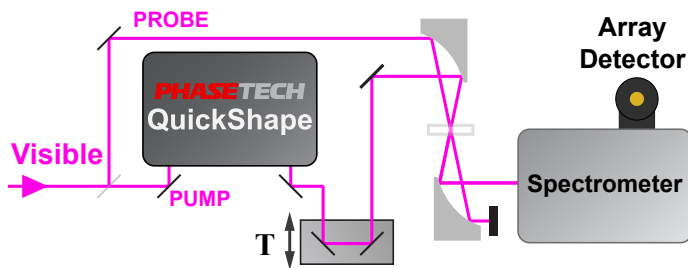- Enclosure
- Control Computer

Advanced parabolic mirrror design!   Simple layout - easy to align!
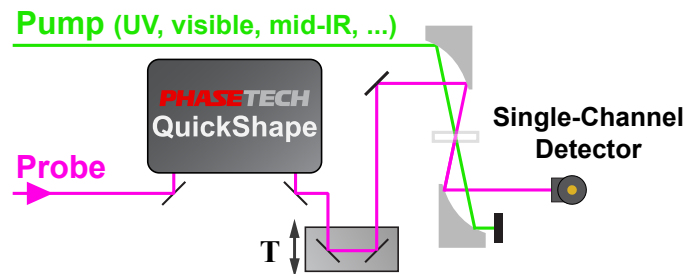
Motorized rotation stages for wavelength tuning!

EXAMPLE LAYOUTS

2D Visible

Pump-Probe Spectra
(without a monochromator)

OTHER PRODUCTS

QuickShape IR   POWERFUL MID-IR PULSE SHAPER

2DQuick Visible   FAST & POWERFUL 2D IR SPECTROMETER

2DQuick IR   HIGH-REPEITION RATE 2D VISIBLE SPECTROMETER

see our website for more information on these products

phasetechspectroscopy.com