

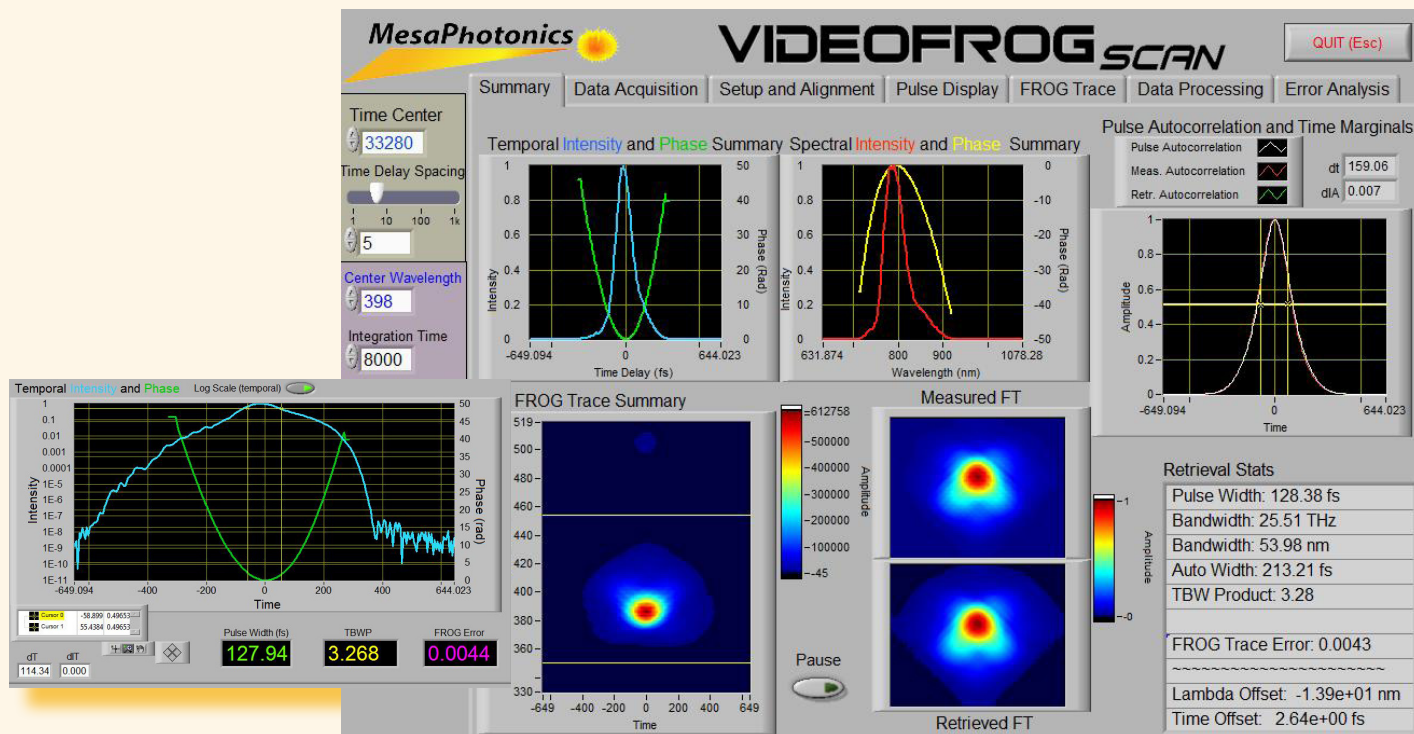
FROGscan

FROGscan is a revolutionary, high-accuracy, real-time ultrafast laser pulse measurement system

FROGscan Ultra provides wider wavelength coverage, higher resolution and up to 75dB dynamic range



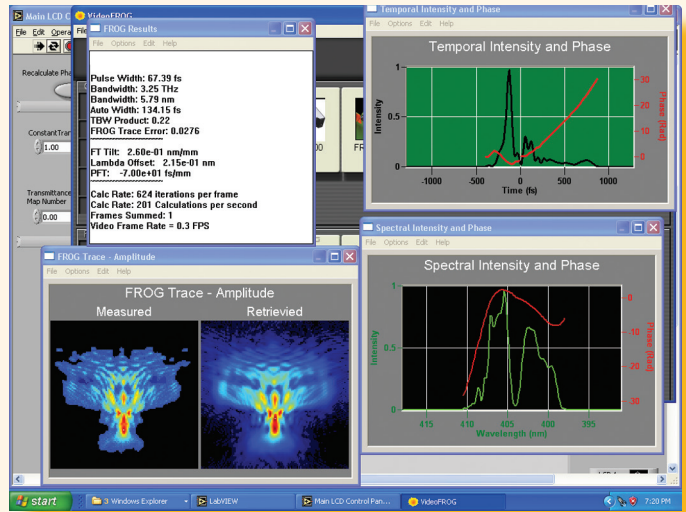
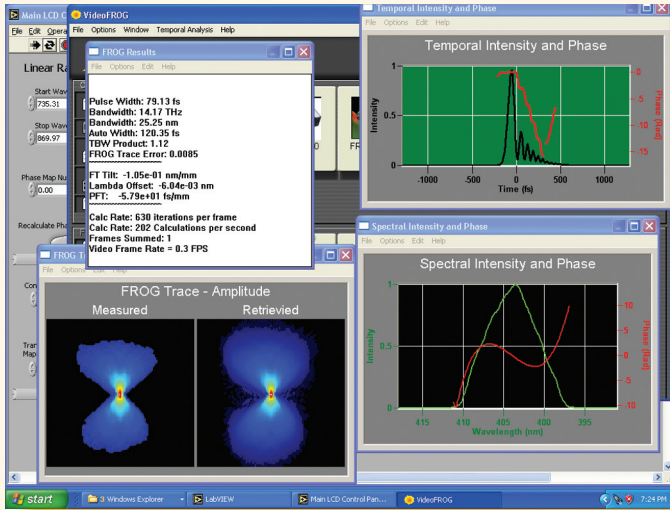
- Pulse durations: 12 fs to >10ps
- Wavelength range: 450 nm to 2 μm
- Measurement rates: >2 Hz
- Time-bandwidth products: >50
- Easy to align
- Field configurable
- Easy to use
- Includes **VideoFROGscan** software
- Integral alignment laser
- High sensitivity



Acquire

Analyze

Improve



SPECIFICATIONS

Wavelength Range	450 nm - 1800 nm (for 1.8-3.4 μm contact us)
Pulse Length Range	12 fs to >10 ps
Temporal Range	30 ps
Temporal Resolution	2 fs or better
Delay Increment	1 fs
Spectral Resolution	0.20 nm - 1 nm (Ultra: 0.05 nm - 1 nm)
Spectral Range	100 nm - 600 nm
Pulse Complexity	TBWP > 50
Intensity Accuracy	2%
Phase Accuracy	0.01 radians
Real-time Sensitivity ($I_{\text{peak}} \cdot I_{\text{ave}}$)	4 W ²
Averaged Sensitivity ($I_{\text{peak}} \cdot I_{\text{ave}}$)	< 0.1 W ² (Ultra: 0.01 W ²)
Input Beam Size	2 - 4 mm collimated
Polarization	Horizontal
Acquisition Speed	> 2 Hz (64 x 64 grid)
Spectra Required for Measurement	Grid width
Size on Table	16 cm x 30.5 cm (Ultra: 30 cm x 30 cm)
Software	VideoFROGscan included

Acquire

Analyze

Improve

1550 Pacheco Street, Santa Fe, NM 87505
505-216-5015 | www.mesaphotonics.com