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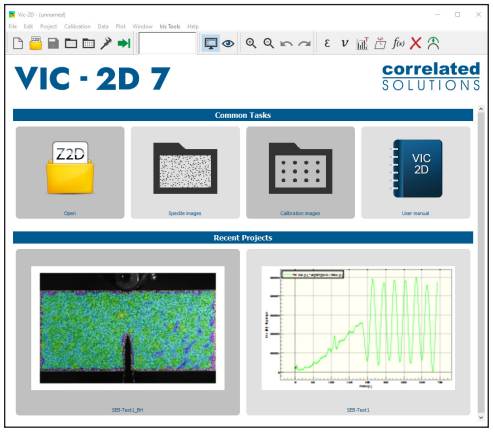
Measure with Confidence

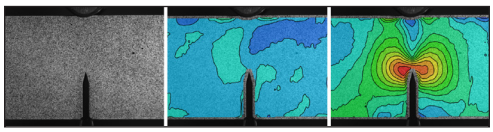
Introducing VIC-2D with *iris*

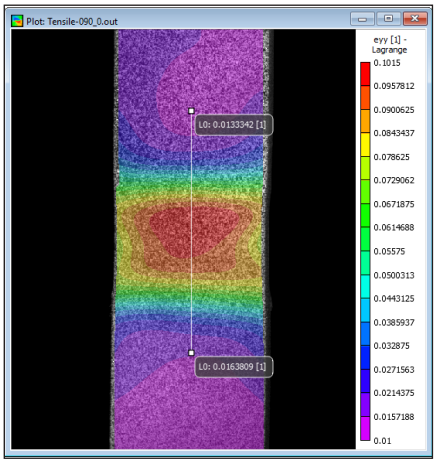
The VIC-2D system is a fully integrated solution that utilizes optimized correlation algorithms to provide non-contact, full-field, two-dimensional displacement and strain data for mechanical testing on planar specimens. In-plane displacements are measured at every pixel subset within the area of interest, and full-field strain is computed with many tensor options.

The VIC-2D system measures in-plane displacements and strains (up to 2500%) with measurement noise as low as +/- 10 nanometers (FOV dependent) and +/- 10e-6 strain. Specimen sizes ranging from microns to meters (walls, bridges, etc.) are easily measured by simply adjusting the optics. A built-in distortion correction module allows users to use high-magnification optics or a scanning electron microscope to image microscopic specimens, making VIC-2D the most powerful and flexible 2D DIC system on the market.

And now, included with the latest VIC-2D release, the all-new iris graphics engine brings a host of new functionality including the ability to export high resolution still and moving images with multiple page PDFs or MP4 presentations. You won't have to leave VIC-2D to achieve world-class data visualizations.







Key Features

- **Turnkey Solution –** Get started immediately with fully-functional systems right out of the box. You'll never have to worry about compatibility issues with this guarantee.
- **Full-Field Measurements –** Easily identify critical points and unrecognized hotspots by analyzing the entire area of a specimen rather than a single point.
- **Non-Contacting –** Eliminate all mechanical interaction with the sample for more accurate results.
- **Advanced Data Visualization –** Create high-resolution, publication-ready plots in PDF and ultra-high-definition video (from 720p to 4K) directly in the VIC-2D software with *iris*.
- **Customization –** Customize your system to meet your testing parameters. Whether your application requires high-magnification or high-speed data acquisition, we have a solution for you.

Contact our Sales Team to explore the range of industry-leading digital image correlation systems from Correlated Solutions.

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1.803.926.7272

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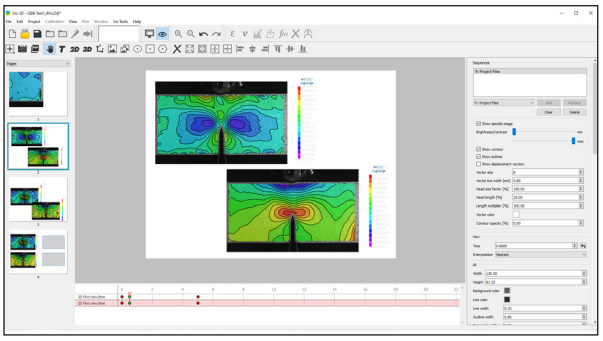
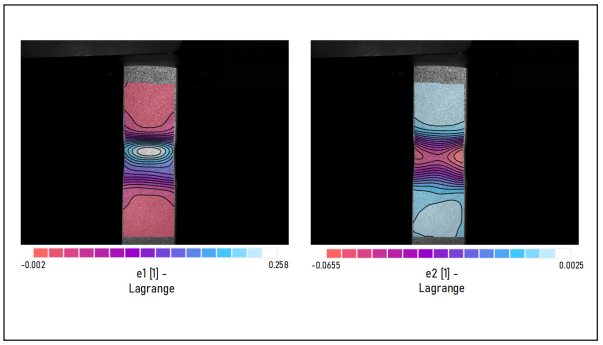
NEW VIC-2D 7 Features:

- The all-new graphics engine *iris* allows users to create multiple-page, high-resolution, publication-ready plots in PDF and ultra-high-definition video formats (from 720p to 4K).
- The user-friendly interface allows users to animate object position, scale, opacity, rotation, and much more.
- Finite element data can be imported for visualization and comparison to measurement data directly in *iris*.
- The integrated adaptive motion blurring feature creates life-like animations for fast-moving objects.
- The multi-threaded rendering engine creates high-quality videos.
- High-resolution isolines can be viewed on plots with scalable fonts.
- Multiple variables can be viewed on contour plots at the extraction locations using a new escape code dialog.
- An unlimited number of data extractions are now saved with the project.
- Extraction points can be displayed on contour plots with customizable labels.
- Unicode support is now available to edit labels.



All-new iris user interface



High-resolution PDF exported directly from iris

	VIC-2D LS	VIC-2D QX	VIC-2D HS	VIC-2D UHS
Camera Resolution	2.3 MP - 45 MP	12.3 MP	Up to 4 MP	400 x 250 pixels
Frame Rate	400 Hz - 16 Hz	Up to 335 Hz	Up to 500 KHz *	Up to 5 MHz **
In-Plane Resolution	1/200,000 • FOV	1/200,000 • FOV	1/100,000 • FOV	1/50,000 • FOV
Strain Resolution	down to 10 με			
Strain Range	from 0.005% to > 2,000%			
Analog Data Recording	Up to 32 inputs	Up to 16 inputs	8 inputs	10 MS/s / 4 inputs
VIC-Gauge 2D Real-Time Analysis (output of points, gauges, extensonmeters, etc.)	Yes, up to 100 Hz Up to 4 real-time analog outputs	Yes, up to 100 Hz Up to 4 real-time analog outputs	n/a	n/a
FFT Module	Available	Available	Available	n/a

**can be achieved at reduced resolutions, **can be achieved at full resolution*

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