XSIGHT

NEW FEATURES &
BETTER PERFORMANCE

ALPHA DIC 2026 SP1

Service Pack 1

WHAT'S NEW?

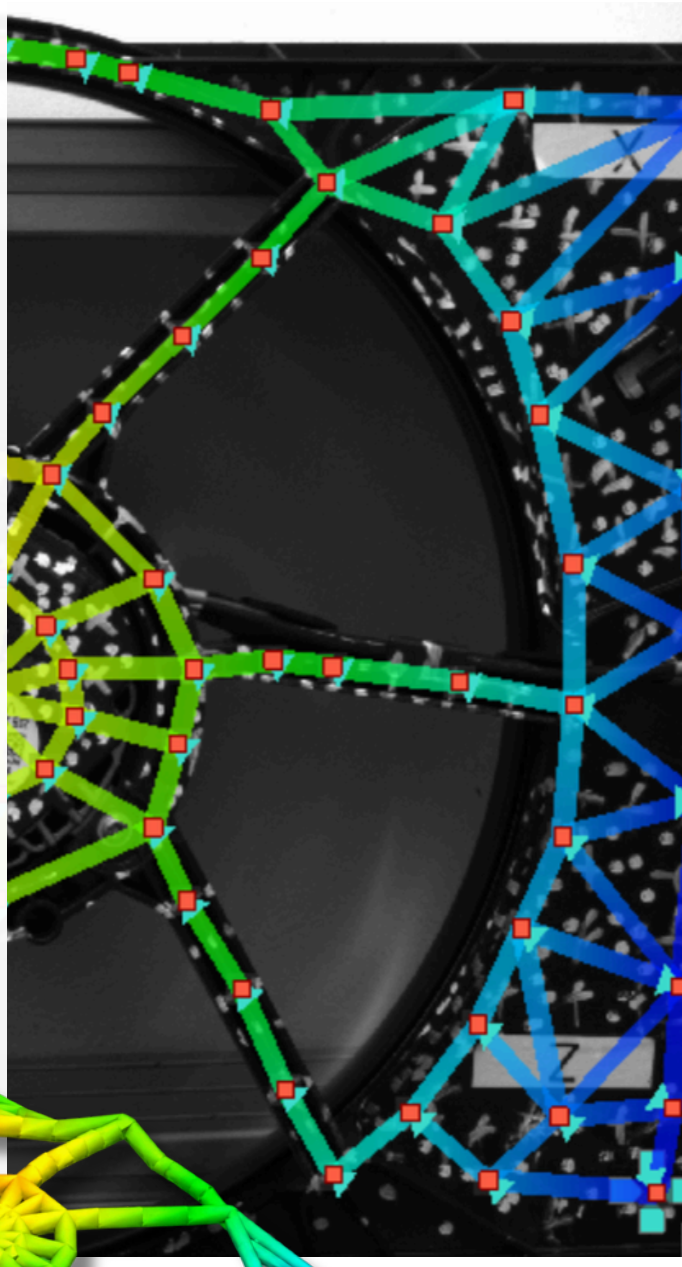
HIGH-SPEED RECORDER
Post-process module extension

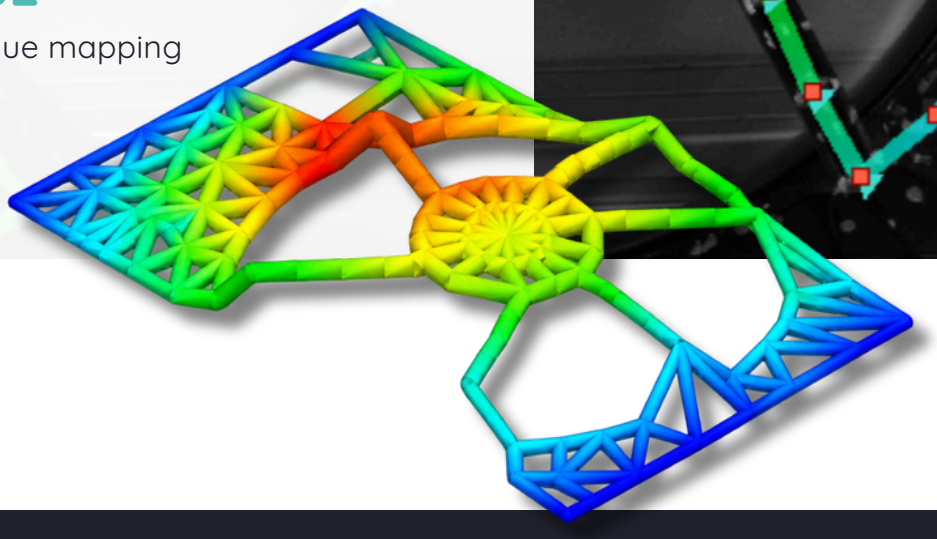
ADJUSTABLE 2D CHART
Orbital plot/Linear fit

MULTIPLE RECORD DELETION
From method overview

GRAPH FEATURES
Interactive controls/Visual tweaks

NET PROBE
Displacement value mapping



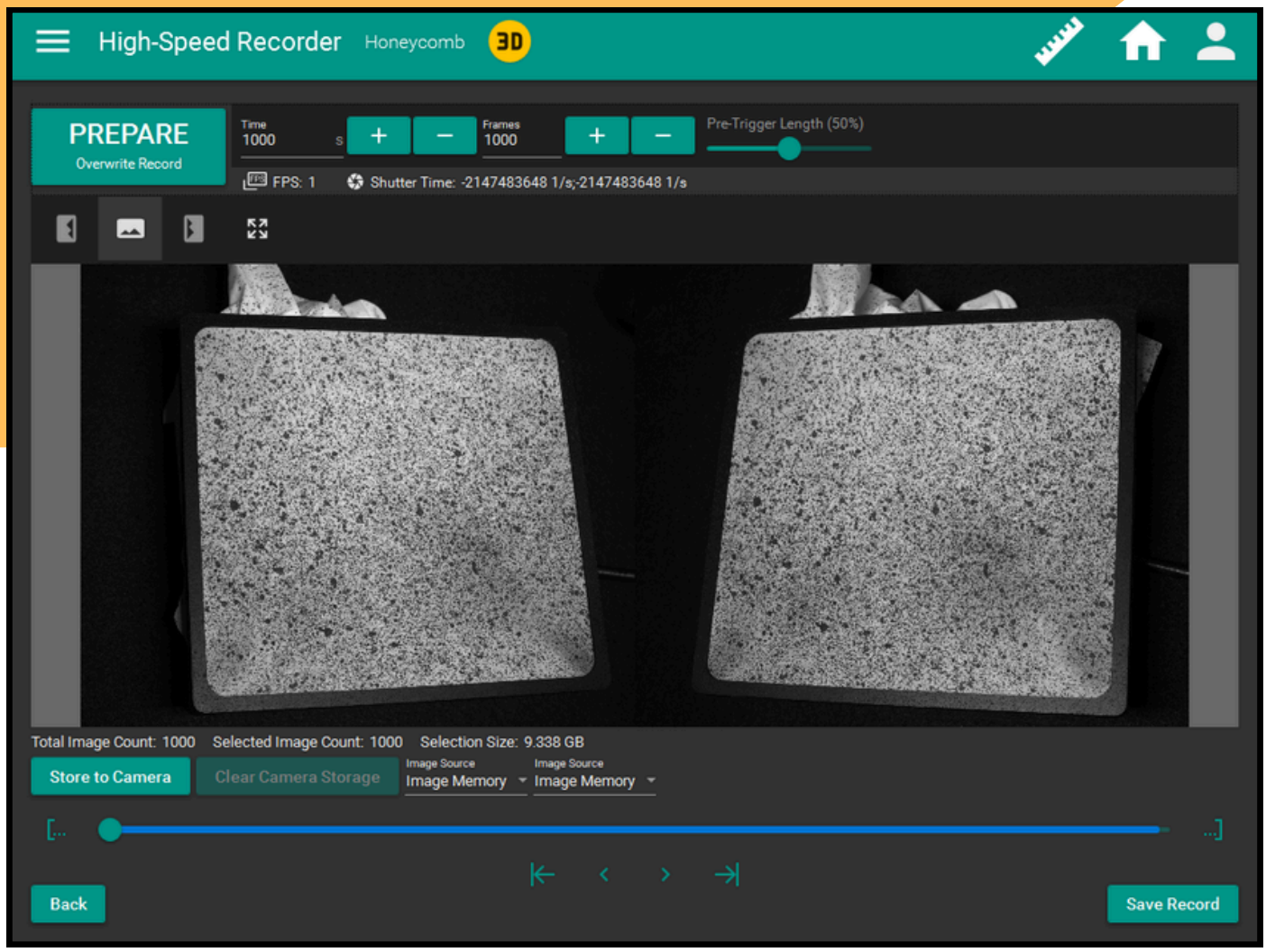


HIGH-SPEED RECORDER

High-speed testing and dynamic measurements are now supported directly within Alpha DIC through the newly integrated High-Speed Recorder, an extension of the existing **Post-process (PP) module**. The module allows convenient calibration preparation, measurement setup, and selection of the region of interest in both the spatial and time domains after measurement, making work with high-speed cameras faster and more efficient.

Currently supported high-speed camera brands:

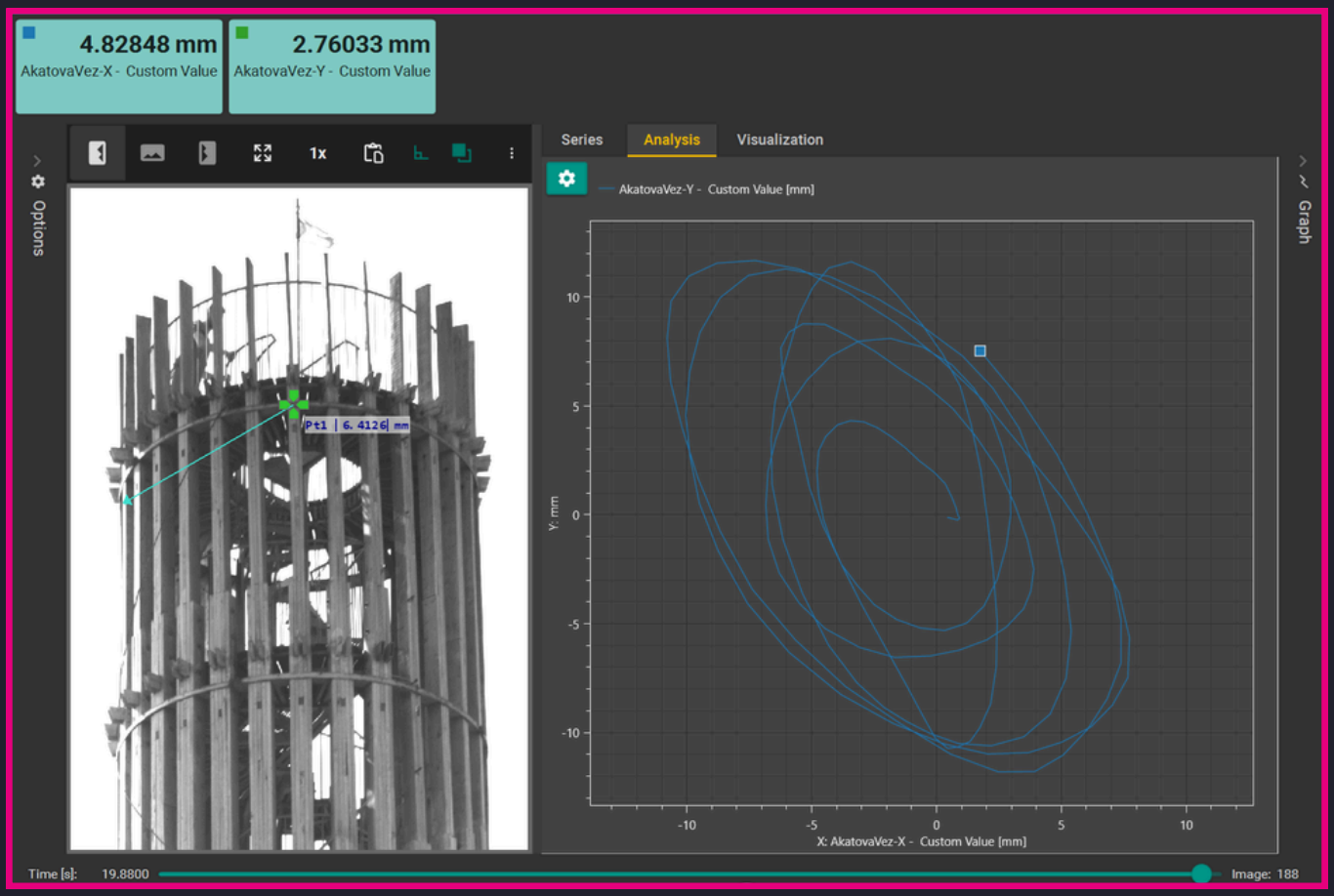
- **Phantom**
- **Photron**
- **NAC**



▲ High-Speed Recorder GUI preview

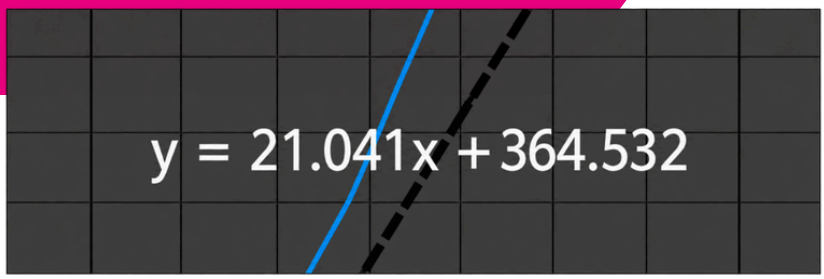
ADJUSTABLE 2D CHART

A new 2D chart has been added to the Graph section of the measurement interface, under the **Analysis** tab. The tool allows users to plot any available probe value on both the X and Y axes, enabling direct comparison between measured quantities. Probe values in the **Series** tab can only be plotted on the Y axis, with time used as the fixed X-axis domain.



▲ Orbital motion visualization of a lookout tower

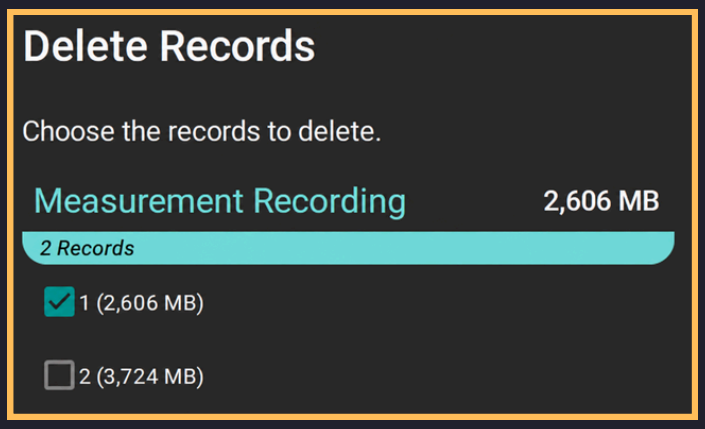
Additionally, the 2D Chart includes a **Linear Fit Selection** option, enabling linear regression over a selected data range. This is particularly useful for evaluating Young's modulus (E) from the linear region of a stress–strain curve according to ISO 527/ASTM D638 for plastics and ISO 6892/ASTM E8 for metallic materials.



▲ Young's modulus evaluation in 2D Chart

MULTIPLE RECORD DELETION

The new feature allows any selected number of records to be deleted with the **Delete Records** window in the offline method overview. Previously, deletion was limited to either all records at once or individual records one at a time.



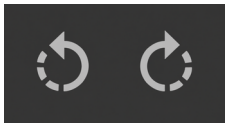
GRAPH FEATURES

New built-in controls and their icons in the **Visualization** tab, together with several graph tweaks, provide easier visual identification:

- **Toggle Lighting:** Highlights all present probes in the plot

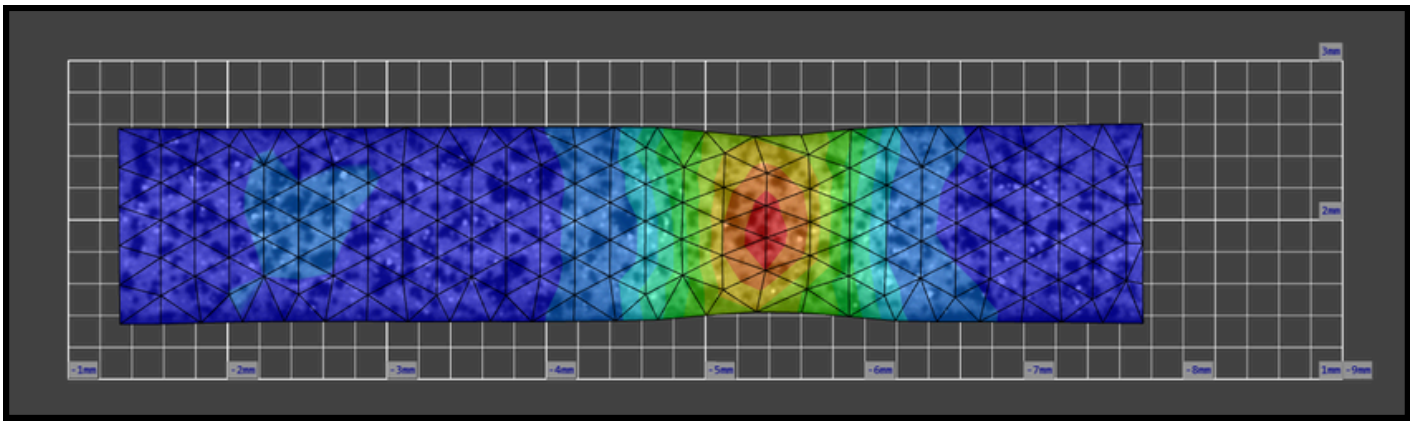


- **Rotate the View to the Left/Right:** Rotates the view in the selected direction (only in 2D)



- **Toggle Ortographic Camera:** Switches between perspective and orthographic projection

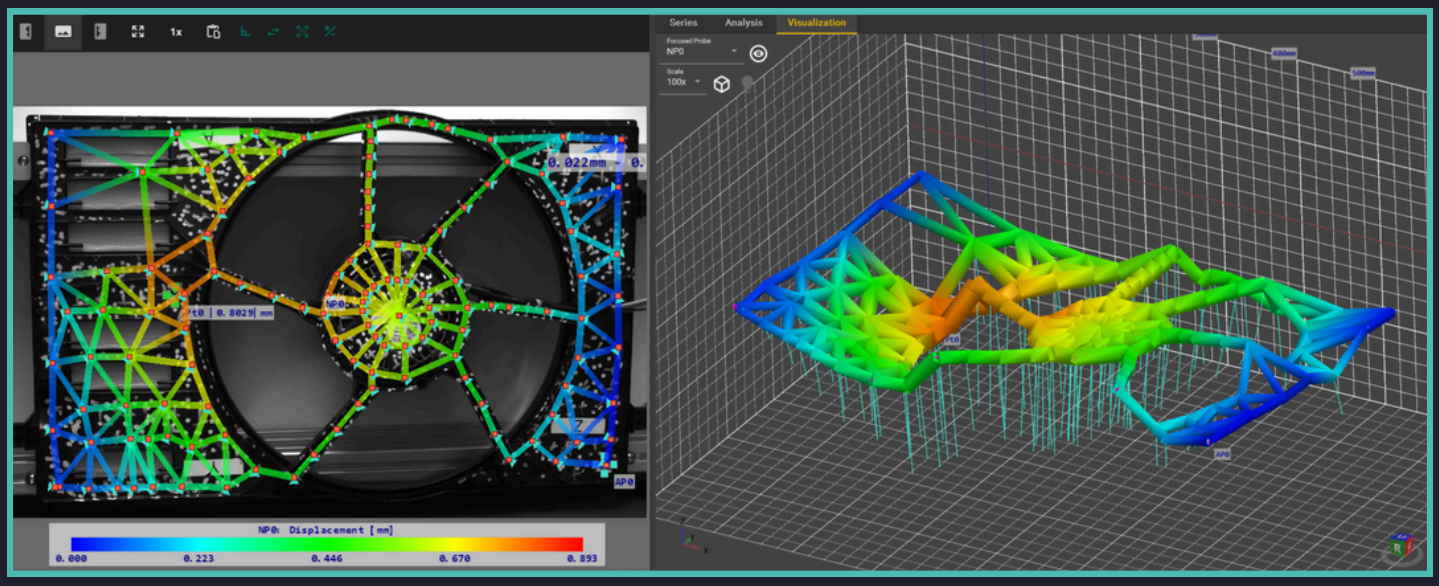




▲ Horizontally rotated and illuminated DIC Area

NET PROBE

Displacement mapping is now available for edges in Net Probes, complementing the existing strain values. Furthermore, the distribution of displacement values can be colorfully visualized along each individual edge and displayed when hovering over the respective edge.



▲ 3D displacement mapping using the Net Probe

HARDWARE AND INTEGRATION ENHANCEMENTS

- A new update allows **SyncApp** to be launched directly from Alpha, simplifying access to Synchron device configuration.
- New **Modbus** input options, including support for HBK ClipX devices.
- **User Guide** is accessible via the question mark icon in the software, which opens an offline web manual.





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