

Legacy Military Avionics Test Systems Gain New Life with Modern Digitizer Technology from Vitrek

GaGe high-speed digitizers help aerospace and defense organizations modernize aging test platforms without costly full-system replacement.

LOCKPORT, IL, UNITED STATES, May 7, 2026 /EINPresswire.com/ -- Vitrek, a US-based manufacturer of high-end test, measurement and signal recording equipment, announced today that its GaGe high-speed digitizers are helping aerospace and defense organizations modernize legacy avionics test systems by replacing obsolete waveform acquisition hardware while preserving existing software, workflows, and validated procedures.

Many military test systems remain mission-critical decades after deployment, but aging digitizers, oscilloscopes, and custom instruments have become difficult to maintain due to calibration demands, unsupported interfaces, and scarce replacement parts. GaGe digitizers provide a practical upgrade path with modern solid-state reliability, high-speed capture, deep memory, and custom software compatibility.

“For many defense programs, the challenge is not the test system itself—it’s the obsolete components inside it,” said Ken Ameika, VP Global Sales at Vitrek. “Programmable digitizers allow organizations to modernize critical hardware without starting over.”

In one recent application, a military customer replaced an obsolete 1980s-era box digitizer used in an avionics certification system with a programmable GaGe digitizer integrated into a rugged rackmount PC. A custom software layer replicated the original instrument behavior, allowing the legacy system to continue operating without modification.



GaGe Digitizers for Military Avionics Test Systems

Key Benefits for Defense Programs

- Extends life of proven test assets
- Reduce downtime and maintenance burden
- Preserve validated procedures
- Avoid costly redesigns
- Improve long-term supportability
- Sustain fleet readiness

The same modernization approach can be applied to radar, EW/SIGINT, communications, and other legacy defense electronics systems requiring high-performance waveform acquisition.

View the application note "[Modernizing Legacy Avionics Testing with High-Speed Digitizers](#)" or the whitepaper "Oscilloscopes vs Digitizers: Choosing the Right Platform for Wideband Signal Acquisition"

Suzy Abbott

Vitretek

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/910544917>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.