

LabVIEW NXG

LabVIEW NXG enables engineers to quickly automate hardware, customize tests to project specifications, and easily view measurement results.

LabVIEW NXG is the next generation of LabVIEW development software. As a single tool to configure, automate and visualize data, it reduces your time to first measurement with automatic NI and third-party instrument driver management so that you can focus on rapidly customizing your system with an integrated drag-and-drop logic design approach and included math, signal processing, and analysis IP. You can use LabVIEW NXG to integrate code developed in other software and open-sourced languages with third-party software interoperability tools. You can also intuitively design user interfaces to operate test and measurement systems and view your results.

LabVIEW NXG gives you the ability to configure, automate, and visualize your test results, all within a single tool. You can reduce your time to measurement with automatic instrument driver identification for thousands of instruments, and then rapidly customize your system with an integrated drag-and-drop design approach. View your results from anywhere by building web-based user interfaces that can be deployed to any web browser—PC, tablet, or phone—with no plugins or installers. LabVIEW users with an active Standard Service Program (SSP) membership are eligible for [access](#) to the latest version of LabVIEW NXG.

LabVIEW NXG solves engineering challenges across a broad range of application areas. Explore the area below that most closely aligns to your application to learn more.

- The simplicity of working with the software.
- Custom design of control algorithms.
- Ability to read Python scripts.
- Implement high-speed transmission of “tags” between host and FPGA.
- Extension of FPGA code for testing systems.
- Dynamic implementation and control VI.
- Software access via command line.
- Comprehensive testing with the NI Alliance Partner plugin.
- Troubleshoot in extended WebVIs.
- Build a user interface in the browser-based editor.
- Manage data through API.
- Support for PXI systems implemented with NI Linux Real-Time.