

Kanzi 3.5

User Interface Software

Accelerate time to market and simplify complex HMI projects with Kanzi® from Rightware®



At Rightware, we believe designers should be empowered to lead UI development without software getting in the way. By decoupling design and engineering, Kanzi enables creativity and innovation while reducing development cost and dramatically accelerating time-to-market. Kanzi is made up of two major components: **Kanzi Studio** and **Kanzi Runtime**.

Market Success and Ecosystem Breadth

Kanzi is a market-proven solution, deployed in vehicles since 2012. With over 35 auto brands in development or in production, Kanzi is on track to power 20 million cars by 2022.

Kanzi Partner Program is a global ecosystem of industry leaders developing and deploying next-generation HMIs.

Kanzi Studio

For the designer, Kanzi Studio is a modern, integrated workspace offering extensive visualization, layout, and interaction tools. Designers import a wide variety of 2D/3D formats, work seamlessly on composition and interaction design, perform rapid UI prototyping, and export production Kanzi binary (.kzb) files. Asset reuse enables consistent branding across a product line. Easy sharing of resources and assets simplifies collaboration between OEMs, Tier 1s, and their partners.

Kanzi Runtime

For the developer, Kanzi Runtime provides a modular, high-performance execution environment for the binaries generated by UI designers. This runtime supports all leading operating systems and hardware platforms out of the box.

This enables engineers to focus on developing applications and plugins, instead of spending time on optimization and integration. As Kanzi can co-exist with underlying frameworks such as C/C++ and HTML5 and with existing application code, these benefits can be brought to an existing project or team with minimal disruption.

What's New in Kanzi 3.5

The latest release includes major new capabilities to drive even greater efficiency into UI design workflow, including:

- Integrated UI theming
- Dynamic templates
- Fine-grained animation control
- 64-bit Kanzi Studio
- Numerous usability enhancements

Also Available

Kanzi Lite brings the same workflow and creativity benefits to UI development on lower-cost SoC or microcontroller platforms with no GPU. Supporting 2D graphics only, Kanzi Lite includes a very low-footprint Kanzi Runtime.

Kanzi for Safety is an optional module providing a safety-critical UI pipeline, delivering functional safety compliant with ISO 26262 Part 6 ASIL levels A and B.

Kanzi Performance Analyzer provides deep insight into SW and HW platform performance, allowing the right cost-vs-performance tradeoffs for each project.

Design Services are available to help customers with project implementation, design of 2D and 3D assets, and development of plugins such as those for access to data sources (e.g. the CAN bus, cloud services, etc.) and for autostereoscopic display support.

Themes

Themes enable the use of a single Kanzi Studio project for multiple variants of a product. In automotive use, one project can now include different car models, such as gasoline and hybrid, as well as different driver-selectable display themes. Themes allow, for example, UI variants for all cars based on one automotive platform to use a single set of resources (icons, colors, etc.). Not only does this structure simplify project management, but asset reuse ensures brand consistency across a product line. Additionally, with a single set of resources, final executable files are more compact, resulting in higher performance.

Dynamic Templates

Further UX flexibility and performance gains are delivered with the new Prefab View feature, which enables applications, even the UI itself, to remain active while other UI elements are loaded or changed. Typically, changing a layout or launching new applications requires reloading the entire UI. Now, for example, a navigation application can keep running while the driver changes the theme of the UI.

Animation Control

Kanzi 3.5 introduces fine-grained controls over animations in the UI. With strict control over keyframe animations, property-driven animations, and the newly added interpolation of property values, UI motion is now extra smooth.

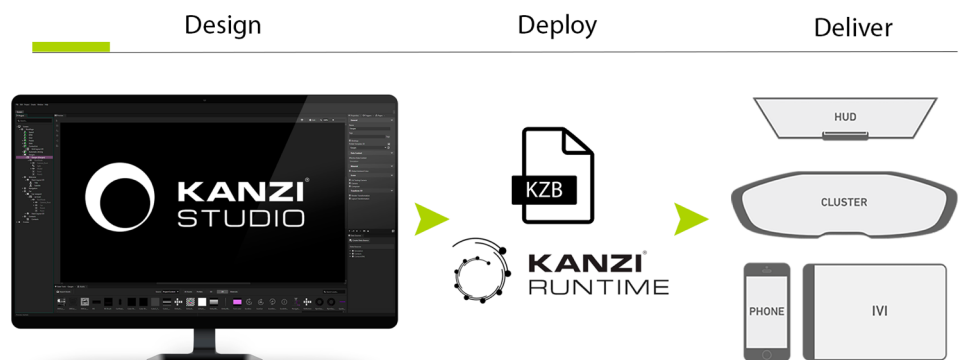
64-bit Kanzi Studio

Kanzi Studio, the Windows™-based designer tool, is now a full 64-bit application, accessing all the RAM in 64-bit PC architectures. This enables even larger projects and improved Kanzi Studio performance.

Other Improvements

Kanzi 3.5 introduces many more new and improved features to enhance usability. For example, Dictionaries window replaces Context Resources windows, simplifying resource management within projects. Also, usability of State Tools has been enhanced with a cleaner layout, the ability to edit complex property types without leaving the tool, and simpler ways of working with transitions.

Full release notes are available at www.rightware.com/kanzi-releases/.



Rightware® is the leader in advanced user interface technology, serving automotive and other embedded markets with its Kanzi® software for rapid user interface design and deployment. Our passion is to unleash creativity to enable fantastic user experiences. As a Thundersoft® Company, Rightware is backed by a world leading smart device operating system and platform technology provider. A wholly owned subsidiary of Thunder Software Technology Ltd. Co., Rightware is headquartered in Finland and has a presence in the United States, Germany, the United Kingdom, Italy, China, South Korea, and Japan.