

What is AI ASSERT?

AI ASSERT is Appvance's no-code validation capability that lets QA teams validate anything they can describe in natural language — without writing a line of code and without defining locators. Testers verify images, text, layouts, tables, animations, motion graphics and more through simple, human-like assertions.

Traditional UI assertions have always been rigid: they check static text or the presence of an element, and nothing more. AI ASSERT extends validation to rich, dynamic experiences — animations, medical visualizations, 3D models — by letting the tester simply tell the AI what to check.

In short: if you can describe the expected outcome in a sentence, AI ASSERT can verify it — against images, screen recordings, or live UI elements.

No Code. No Locators. Just Natural Language.

An assertion no longer has to be expressed as a technical condition. The requirement itself becomes the test:

Area	Example assertion written in plain language
Medical	"The heart is beating" in a 3D cardiology visualization; "the lungs inflate" in a simulation.
E-commerce	"The product image spins 360 degrees"; "the color changes to blue when selected."
Gaming	"The character jumps when the button is pressed"; "the treasure chest opens after the key is used."
Smart home / IoT	"The door opens"; "the light turns red" in an IoT dashboard.
Education / Training	"The planet rotates" in a 3D learning module; "the screen shows a chemical reaction."

Key benefits

Benefit	What it means
Natural language validation	Describe any expected outcome and let AI validate it automatically — no custom assertions.
Visual & motion-aware	Works across images, animations, videos and 3D models, not just text and element presence.
Cross-platform	Supports both web and mobile UI testing.
Frictionless	Eliminates custom assertions and scripting; validation becomes conversational. It is simple enough that virtually anyone can learn it in 5 minutes.

How it fits into Appvance IQ

AI ASSERT builds on Appvance's patented **AI Script Generation** and **Digital Twin** technologies, which already deliver up to **100X** productivity improvements in test creation and coverage. With AI ASSERT, Appvance IQ becomes the first platform capable of validating not only workflows and data, but also complex visual experiences at scale.

“User experience is the brand. With AI ASSERT, enterprises can now test and validate that their applications don’t just function — they perform.” — Kevin Surace, CEO, Appvance

Availability

AI ASSERT was announced on **October 14, 2025** and is introduced in **AIQ 5.3.0**. It is available in **Web Designer** to start, with cross-platform support for web and mobile UI testing. See **AI ASSERT Release History** for the version-by-version detail.

Sources

- Appvance press release, “Appvance Expands AIQ With AI ASSERT for Next-Generation UI Testing” — PRNewswire, October 14, 2025.
- Appvance IQ (AIQ) 5.3.0 Release Notes — AI ASSERT feature description.