

ActIO

The Industry's First Agentic-AI Foundation Model Purpose-Built for the Enterprise

Orby ActIO is the first native-AI foundation model built from the ground up for the enterprise.

ActIO is the most capable and agile agentic AI foundation model on the market, an integral component of the Orby generative automation platform specifically designed to automate enterprise workflows of any complexity. Unlike legacy automation solutions and LLM enhancements, ActIO can handle tasks and actions that were previously impossible or impractical to automate. As a key part of Orby's comprehensive enterprise AI platform, the multimodal Large Action Model (LAM) empowers enterprises to achieve efficiency at scale, fundamentally transforming how they operate.

ActIO uniquely provides four key building blocks for enterprise generative AI, Visual Grounding, Content Understanding, Planning and Task Modeling.

KEY BENEFITS OF ORBY GENERATIVE PROCESS AUTOMATION

- Automate *un-automatable* workflows
- Reduced errors, greater data accuracy
- No Dev/Op reliance, lower cost
- Significantly faster time to value
- Greater team member satisfaction



Comprehensive Enterprise AI Solution

ActIO Large Action Model (LAM)

Actions-based training is informed by hundreds of millions of action data, leveraging advanced concepts including neuro symbolic programming and direct action modeling to create a system that can dynamically automate the steps involved completing complex tasks.

- **Visual Grounding**
Locate the most relevant object or region in an image, based on a natural language query. The query can be a phrase, a sentence, or an instruction.
- **Content Understanding**
Comprehend and interpret the meaning, context, and nuances of various forms of content, such as text, images, GUI, and documents. It allows AI agents to perform tasks that require layout and GUI understanding, beyond mere semantic comprehension.
- **Planning**
Process of formulating a sequence of actions or decisions to achieve a specific goal or set of goals. Planning involves reasoning about the future, taking into account the current state of the environment, possible actions, and the outcomes of those actions.
- **Task Modeling**
Understanding sequences of actions taken by users, predicting user intent, and constructing workflows are critical capabilities for enabling AI agents to learn from demonstrations. This involves observing and analyzing the actions users take to achieve specific outcomes, inferring their intentions, then using this intelligence to create automated workflows.

Continuous learning

Automatically adapts workflows and machine learning capabilities based on users feedback to improve the quality of the automation over time.

Native AI capabilities

Smarter building blocks such as data extraction and decision making that effectively eliminate complex and costly rigid rule-based approaches.

The Power to Automate the Un-Automatable

Orby’s platform is designed from the ground up with advanced, AI-native building blocks, enabling seamless automation of tasks previously deemed too complex or dynamic for legacy automation solutions. This innovative approach reduces both development time and costs, empowering enterprises to quickly identify and automate workflows of any complexity.

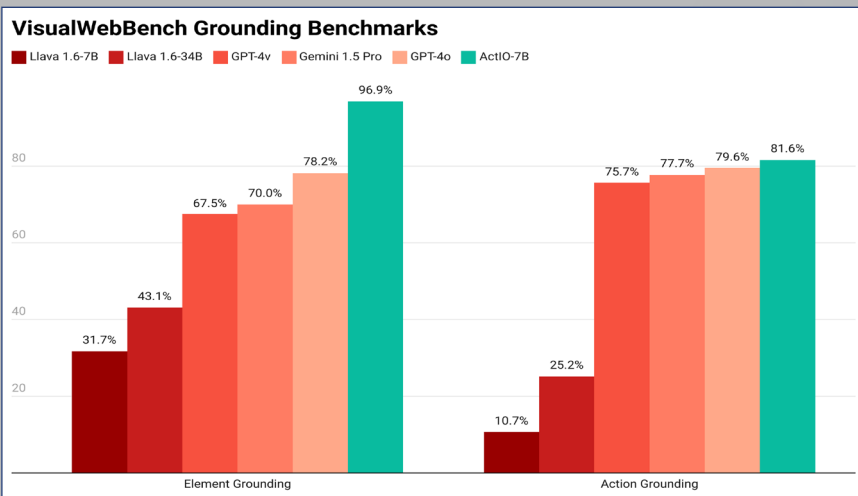
Orby gives you the power to automate the un-automatable.

- Simply Smarter**
 ActIO enables AI to reason contextually and make logical and informed decisions similar to your team members.
- No More Rules**
 Simply execute the desired workflow, and Orby will observe, learn, and automate it—no manual instructions or coding required.
- Continuous Improvement**
 Orby’s agentic AI model offers ongoing learning, adaptation, and enhancement without needing manual maintenance.
- Purpose-Built**
 Powered by sophisticated AI agents and the ActIO Large Action Model, Orby provides a unified, enterprise-native AI platform that continuously evolves to meet business needs.

The Orby solution is a game-changer for enterprises, providing an intelligent, scalable, and adaptive approach to automation, fundamentally changing the way enterprise teams perform.

Peerless Performance and Accuracy

ActIO has shown state-of-the-art performance across top GUI agent benchmarks, better than existing multimodal models. These benchmarks cover multiple scenarios, including web, desktop and mobile in both online and offline settings.



Environment	ActIO/UGround	GPT-4	SeeClick
Web	46.8	42.3	32.9
Mobile	62.4	55.0	52.8
Desktop	80.4	16.0	51.6
Average	63.2	37.8	45.8

Planner model: GPT-4 / GPT-4o.
 Web: element accuracy on Multimodal-Mind2Web.
 Mobile: step accuracy on 500 randomly sampled step actions from AndroidControl.
 Desktop: average visual grounding accuracy on ScreenSpot Desktop-Text and Desktop-Icon/Widget.

In VisualWebBench test, ActIO-7b outperforms top models like, GPT-4o, Gemini 1.5 pro and Llava 1.6-34B.

ActIO also demonstrates state-of-the-art effectiveness and proficiency in supporting GUI agents.