

Brain Builder for Drones

Neurala's end-to-end platform streamlines creation, deployment, and analysis of custom vision AI solutions, allowing product teams to spend valuable time and resources focusing on drone development.

The market for drone products is highly competitive, and it's hard to reconcile the need for differentiation against the product development lifecycle and cost. Manufacturers are challenged to develop new drones that can fly reliably and perform specific tasks in multiple fields – security, agriculture, energy, media – without breaking the budget. To add to the complexity, most resources tend to be

devoted to solving physical constraints imposed on the drone, while improving AI decision-making is often a low priority.

That's where Neurala's Brain Builder platform can help: by providing the fastest, easiest, least expensive way to add robust, high performance vision AI to your drone workflow, regardless of your level of AI expertise.

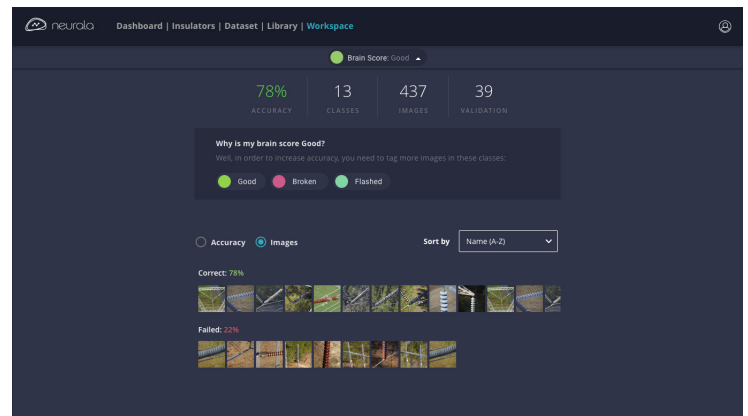
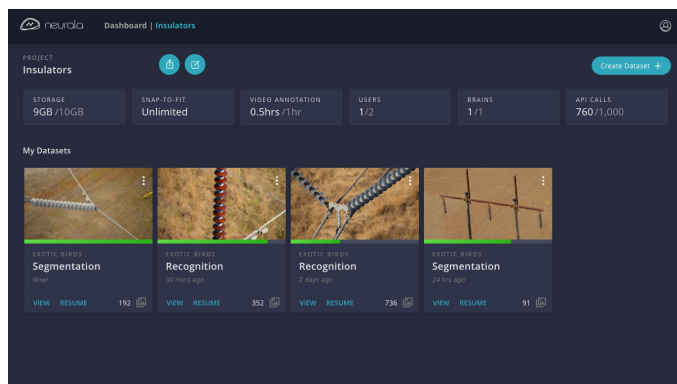
The Need for AI

Drone development projects are extremely expensive, requiring significant capital to get off the ground. The development process is rife with unknowns, as issues with hardware and flight control software come to the surface.

Given the dynamically changing environment drones operate in, it's important to have a vision AI system that can sense the environment and apply learnings in real-time. Yet, implementing vision AI systems – and hiring AI experts to operate them – frequently conflicts with other priorities or margin goals.

As a result, product developers tend to be responsible for integrating vision AI networks into drone development, despite having limited time and resources. For example, companies often lack enough data to train the neural network that supports the “brain” of their drone, which significantly hampers AI development.

Instead, product teams need simple, highly customized AI solutions that offer the choice of cloud or edge functionality.



Customized Solutions

Built for scale and simplicity, Neurala's Brain Builder platform is cost-effective and easy-to-use even if you've never worked with AI. Brain Builder enables rapid prototyping, testing and iteration, making it possible for AI beginners and experts alike to manage the full lifecycle of custom vision AI. At the onset, the platform requires significantly less data to build an effective model. Better yet, companies can use their own data to build a customized platform that can learn continuously over time so that the system is always learning and improving.

Curious how Brain Builder can empower your drones? Sign up and try it for free at www.neurala.com.

Neurala is a pioneer in custom vision artificial intelligence. On a mission to make vision AI more accessible, Neurala is the company behind Brain Builder: a SaaS platform that dramatically reduces the time, cost and skills required to build and maintain production quality custom vision AI solutions. Founded in 2006, Neurala's research team invented Lifelong-DNN (L-DNN) technology, which reduces the data requirements for AI model development and enables continuous learning in the cloud or on the edge. Now, with customers in the drone, robotics, smart device, industrial inspection and AI professional services verticals, Neurala's technology has been deployed on 30 million devices globally.

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