LatentAI

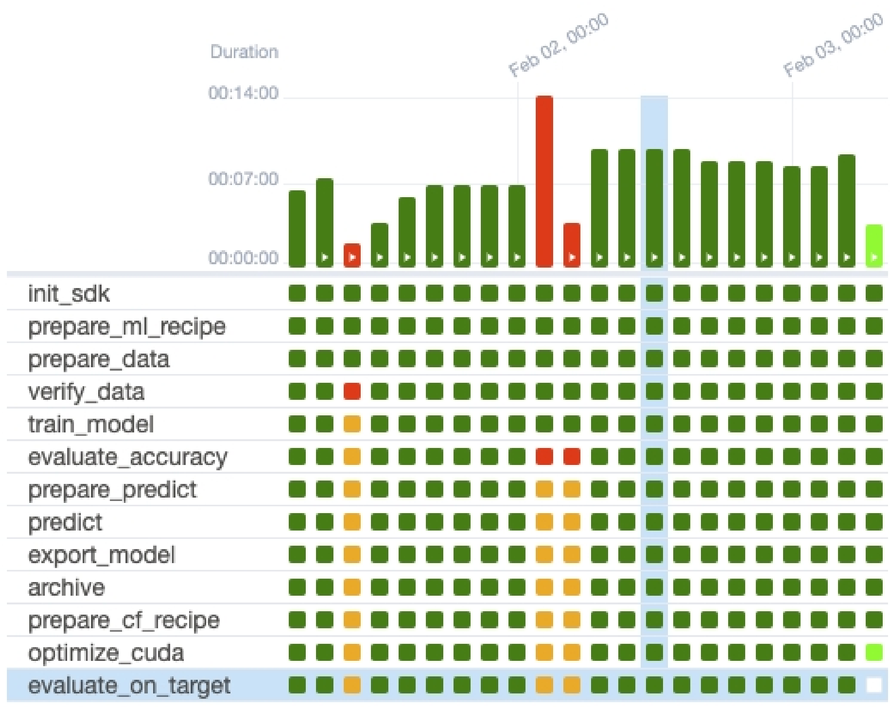
Maintain Tactical Advantage With *Field Updateable AI*

The Latent AI Ruggedized Toolkit (RTK)

Situations change rapidly in contested environments, which means AI can quickly lose its reliability. Latent AI accelerates every warfighter's mission to gather, interpret, and respond to data, regardless of their location or connectivity, using your existing operationally qualified platforms and devices.

Only Latent AI provides:

- An optimized and secured AI development pipeline ready for IL5/IL6 integration
- Field Updateable AI to maintain and extend in-situation tactical advantages
- Built in model watermarks and encryption to prevent adversarial tampering, model theft and reverse engineering
- Intuitive interface for operators to easily analyze results, make adjustments, and retrain the AI directly in the field without ML expertise



The RTK allows non-expert users to interpret results gathered in the field, label that data on-site, and then retrain/redeploy all in theater.

Design

Design models from qualified starting points that let you start training AI models to adapt to operational conditions in minutes, not months

Deploy

Scale delivery and run lightweight, optimized edge computer vision models on uncrewed vehicles and other devices while deploying warfighters with the RTK

Adapt

Warfighters use RTK to analyze results, make changes to the AI via a simple user interface, and then retrain and redeploy the AI to the device all on site

Advantage Anywhere

Operators can dominate the battlefield with the RTK's user-friendly dashboard that enables warfighters to tailor Adaptive AI℠ for faster threat identification and prioritization. Even in disconnected environments, operators can quickly retrain and redeploy their AI all on-site for unmatched tactical superiority.

RTK Features

Ruggedized Laptop: Military-grade hardware built to withstand harsh environments.

Flexible Integration: Works with your existing equipment and workflows.

Fast Retraining: Deploy updated AI models in minutes, not hours.

Low Power, Extended Mission Impact: Efficient AI runs 30x faster, reducing storage needs up to 10x.

Offline Operations: Sustain mission capability in contested environments with limited or no bandwidth.

Use Cases

Threat Detection: Train the AI to recognize enemy positions, suspicious objects, potential hazards, and CBRNE threats, safeguarding your team from chemical, biological, radiological, nuclear, and explosive dangers.

Optimize search and rescue: Locate missing personnel faster and more efficiently.

Rapid damage assessment: Evaluate battlefield conditions after an operation.

About Us

Founded in 2018, Latent AI is a U.S. startup and leader in developing secure and Adaptive AI℠ solutions tailored for national security applications. Latent AI's technology equips the Department of Defense with tools specifically designed to engage in changing battlefield conditions against AI-capable near-peer adversaries.

Scan QR code to visit **latentai.com** for more information.

LatentAI

Adversaries adapt. Can your AI?

Real-time threat assessment and prioritization empower operators to make confident decisions under pressure. **Even without ML expertise, operators gain insights from the RTK with unmatched speed and precision**. The system adapts on-site to its specific environment and mission, handling the heavy lifting of complex analysis, online or offline for continued battlefield advantage. This allows warfighters to **focus on the mission, not the data**.

UPDATE

The RTK optimizes the model on-device via a user-friendly interface for immediate redeployment.

DEPLOY

The updated model is deployed onto the low SWaP device as a highly efficient executable that can identify new and modified threats.

TUNE

Operators tune and train the model to their mission using the RTK interface, adapting the model's performance to specific situations.

COLLECT

Warfighters utilize the on-board AI, running on their deployed devices, to gather new data and gauge the system's performance.

Contact **mlops@latentai.com** to schedule your evaluation today.