



Latent Ruggedized Toolkit

Adapt and deploy AI anywhere

Wear it, mount it, and use Android smartphone to customize, retrain, and deploy AI, ensuring mission-ready systems wherever you operate.

Designed for off-grid operations, the Latent Ruggedized Toolkit (RTK) delivers adaptive autonomy through an edge-native, all-in-one solution. Deploy AI directly on edge hardware—no cloud required—for seamless integration from edge to operator. Using Android devices, laptops, or ATAK, operators can update and run AI models in minutes via an intuitive no-code interface. Tools for data addition, zero-shot labeling, fine-tuning, and real-time deployment slash update times from weeks to minutes, empowering operators to hunt, track, detect, and act across multi-domain operations for Group 1, Group 2 drones, and beyond.

Any edge platform. Simple control from your device.

Access a unified ecosystem of ML tools, AI, and secure communications. No new devices needed—the solution leverages NVIDIA Jetson in drone vehicles (e.g., Starling drone), wearable devices, or laptops, paired with Android or ATAK for streamlined control.

The screenshot displays the Latent Ruggedized Toolkit (RTK) interface. The main window shows a video feed from an 'RTSP Camera' with a YOLO model overlay. The overlay text reads 'YOLO Model drone:13247 conf:0.76'. Two drones are visible in the video, each with a bounding box and a confidence score: 'drone 0.44' and 'drone 0.76'. Below the video feed is a 'Captured Clips' table with columns for Clip ID, Start Time, End Time, Duration, Output Path, and Actions. The table contains one row of data. To the right of the video feed is a 'Model Management' sidebar with a 'Model Store URL' field, a 'Leave empty to use default URL' option, and a list of 'Available Models' including 'YOLO Model drone (9/4/2025, 4:11)'. A 'Switch Model' button is also present.

Clip ID	Start Time	End Time	Duration	Output Path	Actions
6a5d2b35-24ed-427f-9a2f-a6033ecd5f8e	213.04	227.35	14.32s	clips/6a5d2b35-24ed-427f-9a2f-a6033ecd5f8e.mp4	Play Stop

Learn more at latentai.com or contact info@latentai.com.



From complexity to command. Built for recon, patrol, and hunter-killer

For hunter-killer missions, operators can identify targets on an ISR feed, tag and track with one click, and deploy attritable UAS or loitering munitions with onboard models fine-tuned for specific targets, ensuring precise last-mile control in denied, degraded, intermittent, and limited (DDIL) environments.

When battlefield conditions shift or new data emerges, the no-code interface enables operators to fine-tune and recalibrate models on ruggedized edge compute devices. Updates that once took weeks now deploy in minutes—across a single unit or an entire fleet—cutting fine-tuning time by 97% to keep vehicles mission-ready.

With one click, operators launch missions to track targets, gather real-time intelligence, or execute hunter-killer actions, staying focused on critical decisions without navigating complex tools.

SOLUTION BENEFITS:

Customize AI for any mission

Tailor models for diverse vehicles and objectives, including Group 1 (<20 lbs) and Group 2 (21–55 lbs) drones.

Scale across domains

Operate seamlessly across land, sea, air, and space with Group 1 and 2 drones.

Deliver real-time intelligence

Provide instant insights from reconnaissance to engagement and damage assessment on low-power edge devices.

Enable multi-sensor autonomy

Support patrol, hunt, track, detect, and act with radar, infrared, and electro-optical modes.

Slash fine-tuning time by 97%

Deploy updated models in minutes, not weeks, for single units or entire fleets.

Label objects rapidly

Tag new objects in seconds, from single frames to full datasets, for on-the-go AI tuning.

Excel in hunter-killer ops

Enable rapid target identification, tracking, and engagement with fine-tuned models on attritable UAS or loitering munitions in DDIL environments.

