Real-Time Tactical AI: Drone & ATAK for Smarter DDIL Missions

Empower units with AI-powered edge devices for faster, sharper decisions in any environment—urban or remote. Gain superior situational awareness in DDIL conditions with hidden threats and split-second choices.

Features

➤ Instant drone-to-ATAK network for real-time detection

➤ Resilient data sync in DDIL conditions

➤ Field-retrainable AI with ruggedized hardware

➤ DoD-certified (IL5/IL6 compliant)

Our Solution

Designed for denied, disrupted, intermittent, and limited (DDIL) environments, our solution ensures always-on connectivity and local data analysis for maximum tactical advantage.

Drone-to-ATAK Sync

Connect short-range Dark Hive drones to ATAK devices, delivering real-time intelligence via Latent AI's edge computer vision models.

Edge Data Resiliency

Ditto's mobile database syncs mission-critical data over any available transport —Bluetooth, Wi-Fi, LAN, MANET, or SATCOM— ensuring resilient drone-to-ATAK connectivity.

Field-Ready AI

The Latent Ruggedized Toolkit (RTK) pairs military-grade hardware with LEIP software, enabling operators to modify, retrain, and deploy AI models in the field.

Contact **info@latentai.com** to request a demo.

About Darkhive & The Yellowjacket

Darkhive develops autonomous teaming capabilities so defense & public safety users can prevail when it matters most, combining robotics hardware and ecosystem software to solve real-world challenges.

Darkhive is proud to present the OBELISK autonomous ISR and YELLOWJACKET tactical awareness UAS platforms. These systems, along with ecosystem software, are already fielded by US DoD and leading public safety organizations.

The YELLOWJACKET MK1 tactical sUAS is low size, weight, power, and cost (SWAP-C) drone designed to provide US Military and Law Enforcement personnel conducting operations with immediate vicinity situational awareness and short-range reconnaissance capabilities at an affordable price. The platform is designed to be easily manipulated by hand and tossed to activate with a sub-3-second deployment time. The YELLOWJACKET can be piloted using the ATAK UAS Tool software directly from a simplified Android application or any MAVLINK compatible GCS.

Real capabilities to keep users safe & drive mission outcomes.
Darkhive - Always Prevail.

About Ditto

Ditto is the only mobile database with built-in edge device connectivity and resiliency, enabling apps to synchronize without relying on a central server or constant cloud connectivity. Through the use of CRDTs and P2P mesh replication, Ditto allows you to build collaborative, resilient applications where data is always available and up to date for every user. This allows you to keep mission-critical systems online when it matters most.

Ditto uses an edge-native architecture, meaning your app remains fully functional even offline. Devices running Ditto apps can discover and communicate with each other directly, forming an ad-hoc mesh network rather than routing everything through a cloud server. The platform automatically handles the complexity of discovery and connectivity using whatever channels are available—for example, Bluetooth, peer-to-peer Wi-Fi, local LAN, MANET, SATCOM, and more—to find nearby devices and sync data with them.

About Latent AI's Ruggedized Toolkit

The Latent RTK combines military-grade hardware with LEIP software. Regardless of your machine learning expertise, you can modify, retrain, and deploy edge AI directly in the field.
  • Ruggedized Laptop: Military-grade hardware built to withstand harsh environments.
  • Mobile LEIP Software: Mobile tools usable by non-machine learning experts to update, retrain, and redeploy AI models.
  • Flexible Integration: Easily integrated with partner data providers, like Esri, and existing MLOps tools.
  • Fast Retraining: Deploy updated AI models in minutes, not hours.
  • Real-time Diagnostics: Monitor model health and performance.
  • Offline Operations: Sustain mission capability in dynamic environments with limited or no bandwidth.
  • Ultra-Efficient AI: AI runs 30x faster, reducing storage needs up to 10x.
  • DoD Certified: Secured AI pipeline meets the government's stringent requirements (IL5/IL6 compliant) for handling sensitive data.