Improving Delivery Agent Efficiency with AI Surveillance

RiderTrack

Pattern AI Labs X ASUS X intel

By leveraging Intel technologies, RiderTrack by Pattern AI Labs addresses a critical challenge in last-mile logistics and e-commerce operations—inefficient utilization of delivery agents leading to artificial surge pricing, higher costs, and reduced customer satisfaction.

RiderTrack is an AI-powered surveillance and video-summarisation solution for quick-commerce dark stores, running on Intel edge compute that sees what the dispatcher cannot. It closes the dark-store visibility gap where delivery agents exploit the dispatch system during rain, traffic, or low-demand windows by staying idle and falsely signalling a rider shortage, triggering artificial surge pricing and higher customer charges. Ingesting existing apron, gate, and loading-bay CCTV via RTSP, it processes data on air-gapped Intel edge nodes (~100 TOPS on-prem), ensuring no faces leave the box and full data sovereignty is preserved.

RiderTrack onboards delivery agents through privacy-preserving recognition, verifies presence against the roster, tracks movement, and correlates clusters with demand and weather. It flags idle clusters before the surge model fires and routes real-time alerts to the dispatcher console and a surge-model guardrail API. Deployed on the ASUS NUC 15 Pro+, powered by Intel® Core™ Ultra processors, the solution leverages integrated CPU, GPU, and NPU capabilities for efficient, low-latency AI inference. Its compact, high-performance design enables reliable, scalable deployment across distributed dark-store environments while maintaining consistent real-time analytics and seamless integration with existing infrastructure.

RiderTrack by Pattern AI Labs saves quick-commerce operators cost by preventing false surge pricing with real-time tracking, alerts, and edge AI insights.

Intel Products & Technologies

Accelerating AI and analytics at the edge

intel CORE ULTRA

Intel® Core™ Ultra Processors

OpenVINO

OpenVINO™ Toolkit

Key Intel-Enabled Features

Real-Time AI and analytics make it easy

On-Device Inference

Idle Cluster Detection

Facial Verification

On-Device LLM

Powered by Intel Processors and optimized with the OpenVINO™ toolkit, Pattern AI Labs and ASUS deliver:

01

On-device edge AI on Intel® Core™ Ultra processors

02

Facial verification via OpenVINO™ toolkit

03

Idle detection with Intel vision models

04

Full GenAI with zero cloud dependency

That's the power of Intel Inside®.

Country/Geo:

United States
Canada
India

Verticals:

Video Safety & Critical Infrastructure

Use Cases:

Video Analytics
Public Safety & Enterprise Security

About Pattern AI Labs

Pattern AI Labs builds intelligent edge AI for enterprise operations — democratising real-time video intelligence with privacy and actionable insights in seconds. The company combines multi-modal Vision and GenAI on high-performance edge compute to turn existing cameras into business-grade sensors, fully on-prem, with no cloud dependency.

www.pattern-ai.com

RiderTrack - Powered by EdgeVision - Edge AI Partner Spotligh

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Intel® AI Edge Applications

About ASUS

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ASUS NUC 15 Pro+ - Edge AI Partner Spotlight

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Intel® AI Edge Systems

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