

Low Latency Edge AI for PPE Detection & Multi-Modal Alerting

Ecrio Edge AI Communication Platform



*Real-time **worker safety** and mission-critical communications powered by **edge AI on Intel® platforms.***

Ecrio's Edge AI Communication Platform enables AI-powered worker safety and mission-critical communications for Human-Oversight of automation by combining real-time video analytics and voice processing at the edge. The solution supports use cases such as Personal Protective Equipment (PPE) detection and voice-driven workflows by processing vision and voice data locally, close to where it is generated.

Running on containerized workloads, the solution is optimized with OpenVINO™ toolkit, accelerating vision and speech inference on AI PCs powered by Intel® Core™ Ultra 200V series processors. The edge-focused architecture delivers low-latency, real-time decision-making while reducing reliance on centralized cloud infrastructure.

Designed for safety-critical operations, the platform delivers resilient, always-on performance even in bandwidth-limited or disconnected environments. Local AI processing enhances data privacy, supports regulatory compliance, and enables consistent, scalable deployment across distributed worksites.



Key Intel-Enabled Features



Real-Time Edge AI



On-Device Vision



Low-Latency Voice



Cost-Efficient

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Instant, on-device AI insights without cloud delay.
- Accelerated video analytics on the integrated GPU for real-time PPE detection.
- Fast, dependable voice-driven workflows with low-latency edge inference.
- Containerized edge workloads to help cut bandwidth and cloud costs while scaling safely.

Intel Products and Technologies

- [Intel® Core™ Ultra Processors \(Series 2\)](#)
- [OpenVINO™ Toolkit](#)

Ordering Guidance:

- [Ecrio | Contact](#)

Country/Geo: Worldwide

Edge Verticals: Video, City Safety & Security; Manufacturing

Edge Use Cases: Worker Safety; Situational Monitoring; Asset + Operations Optimization

Learn more:

- [Ecrio Website](#)

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