

How Companies Are Leveraging Real-Time Visual Intelligence

VOLT
ACTIVE DATA

Real-time **visual intelligence** leverages AI and computer vision to process and analyze visual data instantly.

Here are its four main use cases:



Security & Surveillance

- **Facial recognition & identity verification** (e.g., access control, law enforcement)
- **Anomaly detection** (e.g., identifying trespassing, suspicious behavior)
- **Crowd monitoring** (e.g., detecting unsafe crowding, security threats)

Industrial Automation & Quality Control

- **Defect detection in manufacturing** (e.g., identifying product defects on an assembly line)
- **Worker safety monitoring** (e.g., detecting PPE compliance, hazard avoidance)
- **Process optimization** (e.g., real-time adjustments based on visual data)



Retail & Customer Experience

- **Smart store analytics** (e.g., tracking customer movement, dwell time analysis)
- **Automated checkout & inventory management** (e.g., Amazon Go-style cashierless shopping)
- **Personalized marketing** (e.g., AI-driven product recommendations based on real-time behavior)

Autonomous Systems & Smart Transportation

- **Self-driving vehicles** (e.g., object recognition, lane detection, pedestrian safety)
- **Traffic management** (e.g., detecting congestion, optimizing signal timing)
- **Drone surveillance & delivery** (e.g., route optimization, hazard avoidance)



To learn how Volt powers real-time visual intelligence with contextual decisions:

Read Intelligent Manufacturing with Real-Time Decisions



Read About the Volt Architecture and Why Different is Better



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