

Retail Edge AI with Klyff

Traditional retail operations often rely on cloud computing for data processing and analysis. This has latency, bandwidth, privacy and efficiency concerns. Klyff Edge AI solutions operate within the store. Smart shelves, checkout systems, and video analytics tools can analyze customer interactions, purchasing patterns, and inventory levels in real-time, without the need for constant communication with a central server. This localized processing translates to faster decision-making, reduced operational costs, and enhanced customer experiences.



Rule-Based Automation & Alerts

Imagine a shopping experience without checkout lines. shelf-mounted or trolley-mounted camera systems that automatically bill customers, providing real-time spending previews and a seamless shopping journey.



Enhanced Security and Loss Prevention

Shrinkage costs >50B\$ annually. Klyff Edge AI-powered video analytics provide a powerful solution. By analyzing camera feeds locally, AI algorithms can detect suspicious behaviors, such as unusual movement patterns or the presence of known offenders, in real time.



Inventory Optimization

Klyff Edge AI empowers retailers to monitor stock levels with unprecedented accuracy, predict demand fluctuations, and automate restocking processes.



Dynamic Pricing

Digital shelf labels adjust prices in real time based on factors like demand signals in physical stores.



Behavior-Driven Personalization

Analyzing in-store movement patterns and purchase history, retailers can deliver hyper-targeted promotions and personalized recommendations.

Why Klyff

01

Lightening fast Edge AI infrastructure for your business needs. Right from a few thousand messages per second to tens of millions per second.

02

AI/ML Integration as a first class citizen for you to train, validate, test and deploy models directly to your edge devices over the air.

03

Speed up development timelines with the best-in-class embedded ML platform, designed to help you create production-grade software in less than six months.

04

Extremely easy real time dashboards to visualize your data with powerful analytics.

Key partners



100x

Productivity boost

"Walmart's pioneering use of GenAI in supply chain management has driven a **100x productivity boost**, enabling more accurate demand forecasting, optimized inventory, and reduced waste. As reported in its Q2 2025 earnings call, these improvements trimmed operational costs by 20%."

100\$

Billion annually

"Retail shrink, exacerbated by inflation-driven shoplifting and self-checkout vulnerabilities, costs the industry over **\$100 billion annually**. Advanced sensors and intelligent cameras combined with Edge AI help detect early signs of theft or fraud."

3.6\$

Million per store annually

IDC projects that 78% of retailers will adopt hybrid Edge AI setups by 2026, with potential savings averaging \$3.6 million per store annually.

Features of Klyff platform



AI/ML Models

Identify, train and deploy the most relevant AI/ML models on your edge devices to make them efficient.

01

Device Management & Connectivity

Seamlessly connect and manage a diverse set of devices. Collect asset data and deploy AI models on the devices.

02

Rule Based Data Management

Data Flows allow you to define your data path instantly and without coding. Transform and normalise data with drag and drop editor.

03

Real-Time Dashboards

Rich IoT dashboards for data visualization and remote device control in real-time. More than 50 out-of-the-box widgets to support your use case.

04

State of Art Algorithms

Extract features from raw data and identify features relevant across your dataset to drive better decisions.

05

Get in touch



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