

Inventory AI



In grocery, inventory isn't just a cost center—it's a profit driver. Managing perishable goods, fluctuating demand, and complex assortments across zones requires more than historical reports and manual reorder rules. Stock too much, and you risk spoilage. Stock too little, and you lose the basket.

Hypersonix Inventory AI equips grocers with real-time, predictive inventory intelligence that prevents stockouts, reduces waste, and optimizes turns across every aisle. From fresh produce to center-store staples, Inventory AI ensures your shelves—and your margins—stay full.

Core Features



AI-Powered Demand Forecasting

Predicts near-term demand at SKU, store, and category level using external signals, seasonality, and sales trends.

Best Fit: Aligning fresh produce replenishment for long weekends or anticipating spikes in baking goods before holidays.



Overstock & Stockout Risk Alerts

Flags at-risk SKUs before issues arise—enabling corrective action that protects both sales and inventory investment.

Best Fit: Avoiding stockouts on eggs during seasonal demand, or clearing excess yogurt nearing expiration.



Inventory-Aware Replenishment Recommendations

Optimizes order quantities based on real-time sales velocity, shelf life, and supplier lead times.

Best Fit: Automating daily replenishment for deli meats, dairy, or grab-and-go items with tight freshness windows.



Multi-Location Optimization

Balances inventory across stores or fulfillment hubs to ensure high-velocity SKUs are always available where needed.

Best Fit: Redistributing snack or beverage inventory based on local sales surges and regional preferences.



Shrink & Waste Minimization Insights

Identifies high-waste SKUs, seasonal volatility, and misaligned stock levels to minimize margin loss.

Best Fit: Managing markdown cadence for bakery items or improving turnover on fresh-cut fruit and salads.

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