

Inventory AI



From seasonal demand shifts to constantly evolving trends, sporting goods retailers juggle high SKU variety, space constraints, and unpredictable buying patterns. Stock too much, and you're discounting gear next season. Stock too little, and you miss the win.

Hypersonix Inventory AI helps sporting goods retailers and brands balance inventory with precision—ensuring the right products are in the right locations, at the right time. Whether it's footwear, fitness tech, or outdoor equipment, Inventory AI helps you keep shelves agile and margins protected.

Core Features



Seasonal Demand Forecasting & Replenishment

Predicts sales patterns by region, sport, and product type—then auto-generates restock recommendations tailored to store and channel velocity.

Best Fit: Managing seasonal spikes in swimwear, camping gear, or cold-weather apparel by location.



Excess & Slow-Mover Inventory Alerts

Identifies SKUs at risk of overstock or obsolescence and flags them for markdown or redistribution.

Best Fit: Clearing low-turn inventory like outdated cleats, discontinued bike accessories, or niche team gear.



Location-Based Allocation Optimization

Balances inventory across stores, warehouses, and eCommerce nodes to ensure availability where demand is highest.

Best Fit: Shifting high-demand fitness trackers or basketballs from slower stores to top-performing fulfillment centers.



Omnichannel Inventory Visibility

Unifies stock data across POS, ERP, and online platforms to support real-time insights and order fulfillment flexibility.

Best Fit: Enabling “buy online, pick up in store” or “ship from store” for high-turn sporting apparel.



Trend & Launch Inventory Planning

Forecasts and aligns inventory for new product drops and brand launches, minimizing stockouts and overstocks.

Best Fit: Planning stock levels for a new trail running shoe line or a limited-edition branded fitness collaboration.

Trusted by leading global brands including:

