

AI-Powered Product Recognition for Smart Retail

WeightAI™: Weight-Based SKU Recognition

Shekel WeightAI™ enables secure, frictionless retail by combining IoT load sensors with AI-powered product-recognition. Built on 55 years of weighing expertise and an installed base of more than one million checkout scales, WeightAI delivers up to 99.8% SKU recognition accuracy across self-checkout, smart coolers, smart carts, and other unattended retail applications.¹

WeightAI can help retailers reduce shrinkage to below 1%, improve payment capture, lower operating costs, and protect customer privacy.¹ Running AI inference locally on Intel Atom® processor-based systems, WeightAI delivers fast, reliable product recognition without cloud dependency.

Combining Shekel's patented weight-pattern intelligence with Intel® edge computing technology, WeightAI provides a scalable foundation for retail automation—helping operators improve performance, accelerate ROI, and enhance the customer experience.



WeightAI™ by Shekel gives autonomous retail real-time shelf intelligence that can help cut shrinkage below 1% and speed ROI.¹

Key Intel-Enabled Features



Real-Time
Edge AI



Accurate
SKU ID



Scalable
Automation



Camera-
Free Privacy

- [Intel Atom® Processors X Series](#) enable sub-second local SKU recognition for responsive retail experiences.
- Intel® processors optimized with [OpenVINO™ Toolkit](#) support AI inference at the edge for responsive, real-time retail automation.
- Intel® edge systems power autonomous carts, coolers, and shelves with reliable, always-on operation.
- Intel® architecture enables camera-free, non-intrusive on-device AI with local processing.

By leveraging Intel® technologies, WeightAI by Shekel helps retailers reduce shrinkage, improve payment capture, and deliver accurate, privacy-first autonomous checkout experiences through real-time local AI inference.

Ordering Guidance:

- [Contact Us](#)

Country/Geo: Worldwide

Edge Verticals: Retail & Consumer

Edge Use Cases: Self-Checkout; Product Recognition

Learn more:

- [Shekel Website](#)
- [Checkout Optimization Calculator](#)

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¹Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.