



NRF 2026: Transforming Retail with the Intelligent Store

Written by Diebold Nixdorf Team

Retail is undergoing a profound transformation. At NRF 2026, the spotlight is on how technology empowers retailers to not just keep up, but lead in a world of rising customer expectations, operational complexity, and rapid change. The Intelligent Store is Diebold Nixdorf's vision for the future, a modular, AI-powered environment designed to optimize every step of the customer and staff journey. Powered by the Vynamic® Smart Vision platform and built on Intel® technology as the foundation for our POS hardware platform, it seamlessly integrates advanced applications across self-service and attendant lanes.

Meeting Retail's Modern Challenges

Retailers today must deliver seamless, personalized experiences across every channel, integrate legacy systems with new digital platforms, and harness data for actionable insights, all while maintaining security and compliance.

Diebold Nixdorf's Intelligent Store is the answer. This comprehensive solution brings together modular hardware (built on Intel technology), intelligent software, and expert services, turning every touchpoint, from checkout to back office, into an opportunity for innovation and value creation.

The Intelligent Store: Transforming Every Retail Journey

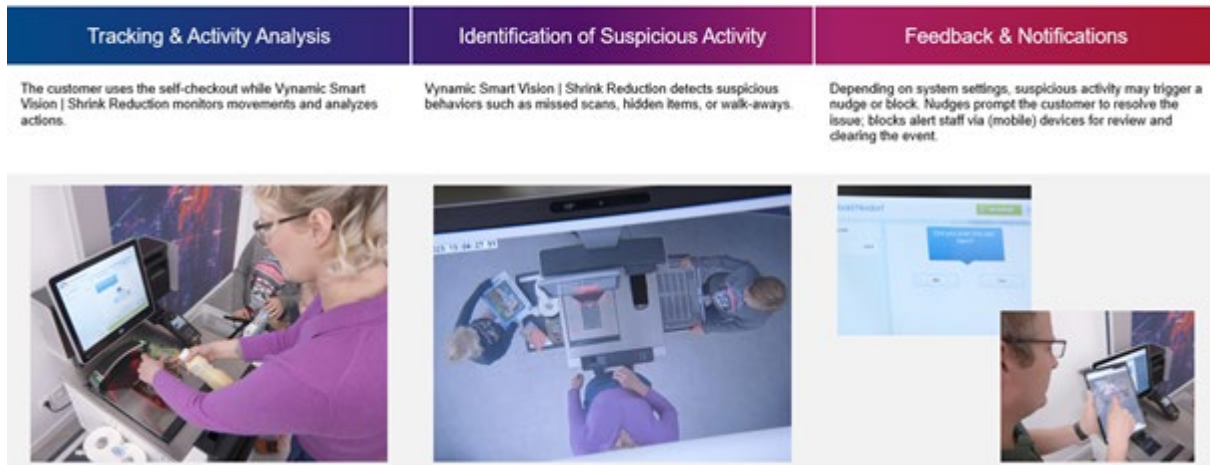
The Intelligent Store, powered by Vynamic® Smart Vision and Intel-based POS hardware, supports all store formats and integrates with existing infrastructure, empowering staff, protecting assets, and elevating the customer journey.

Customer Journeys: From Entry to Exit

Whether customers use self-checkout, interact with staff at traditional POS, or shop across the store, the Intelligent Store enhances every touchpoint with these dedicated solutions:

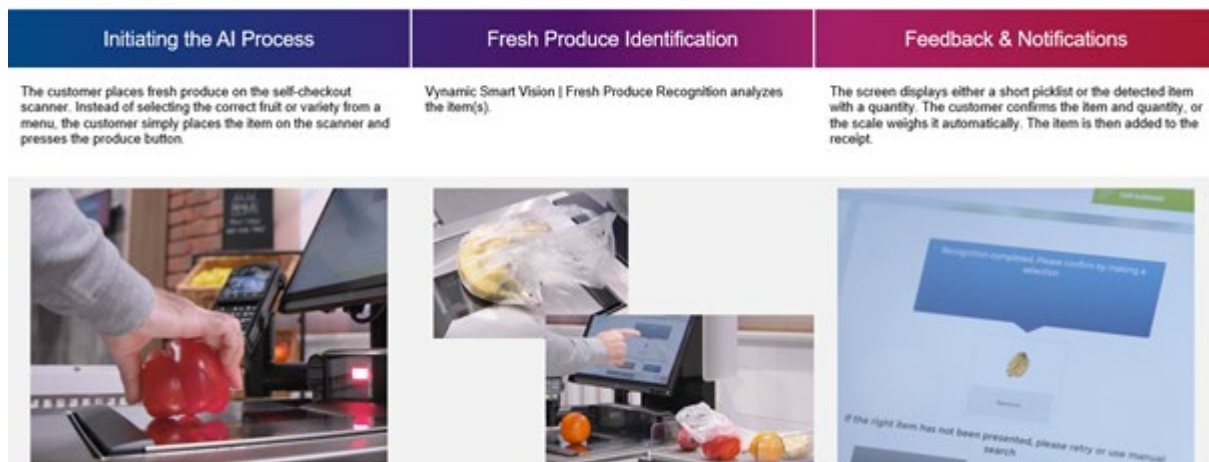
- [Vynamic® Smart Vision Shrink Reduction:](#)
AI-driven video analytics detect missed scans, barcode swaps, and suspicious behavior at both self-checkouts and attended lanes, reducing shrink and minimizing staff interventions. Real-world pilots show error rates dropping from 3% to under 1%, with staff interventions reduced by nearly 15%.

Customer Journey with Vynamic® Smart Vision | Shrink Reduction



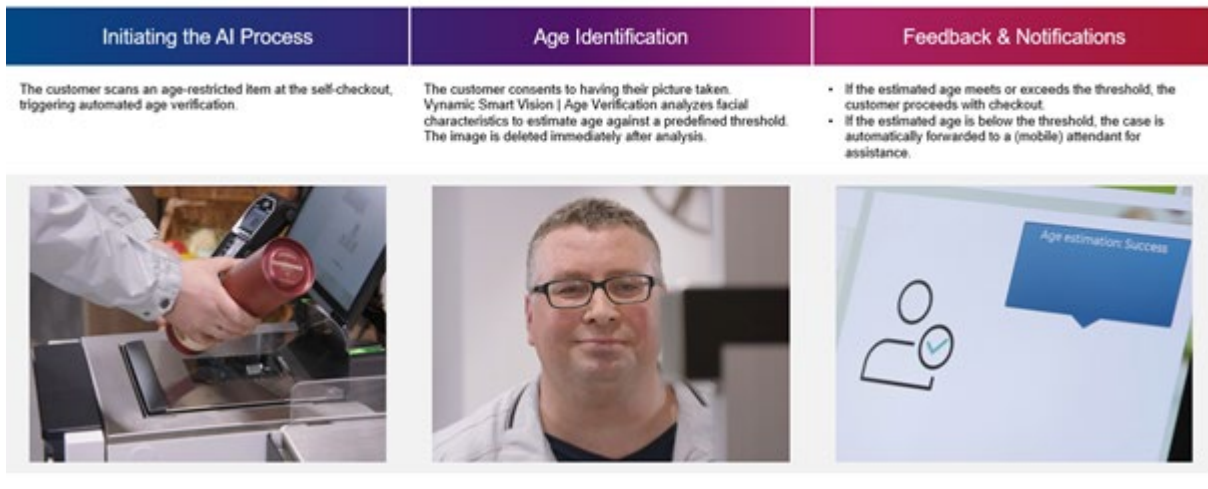
- [Vynamic® Smart Vision Fresh Produce Recognition:](#)
Instant, AI-powered identification of fruits and vegetables—no codes, no confusion. This speeds up checkout and improves accuracy, whether at self-service or attended lanes. Item processing time drops from 12–15 seconds to just 3 seconds per item, with up to 45% fewer staff interventions.

Customer Journey with Vynamic® Smart Vision | Fresh Produce Recognition



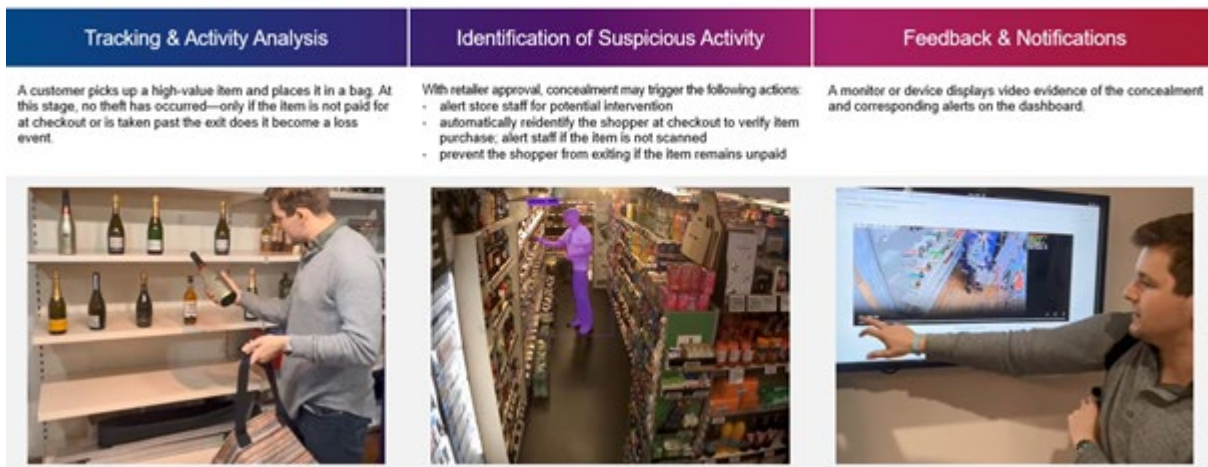
- [Vynamic® Smart Vision Age Verification:](#)
Fast, secure AI checks for age-restricted purchases. Reduces wait times and staff interventions by up to 90%, fully GDPR-compliant. Customers can complete age checks in less than 10 seconds, with no staff intervention required.

Customer Journey with Vynamic® Smart Vision | Age Verification



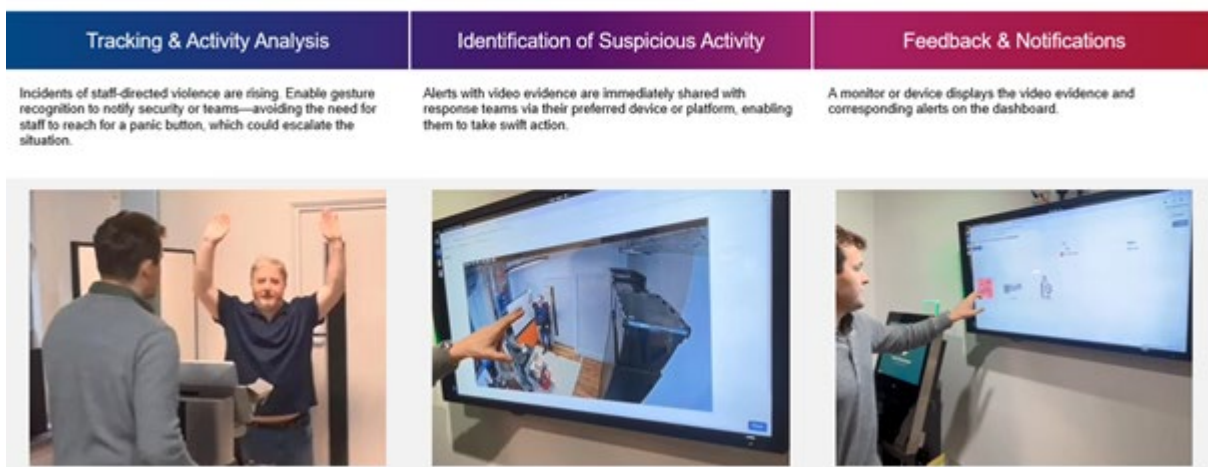
- High-Value Item Tracking & Concealed Item Detection:
Tracks high-value items from shelf to checkout to exit, identifying concealment and protecting assets throughout the journey. (Integrated within Vynamic® Smart Vision Shrink Reduction)

Customer Journey with Vynamic® Smart Vision | High Value Item Tracking / Concealed Item Detection



- Employee Protection:
Gesture recognition and real-time alerts help staff respond to incidents safely, without escalation. (to be integrated within Vynamic® Smart Vision suite)

Customer Journey with Vynamic® Smart Vision | Employee Protection



Real-World Impact & Scalability

The Intelligent Store is more than a showcase: it's a vision for scalable, real-world deployment. Its modular architecture adapts to any store format and integrates with existing systems, empowering staff, protecting assets, and elevating the customer experience.

Services to Support Your Journey

Diebold Nixdorf offers a full suite of services: strategic consulting, implementation, training, and ongoing optimization. Our Intelligent Store Presentation at NRF 2026 is designed to help retailers identify opportunities to integrate AI technologies, prioritize use cases, and build a roadmap for success.

Join Us at NRF 2026

If you're attending NRF 2026, visit the Diebold Nixdorf booth to see the Intelligent Store in action. Our team will be on hand to demonstrate how our Intel-powered solutions—including Vynamic® Smart Vision Shrink Reduction, Fresh Produce Recognition, and Age Verification — can help you create the store of the future — today.

Partner Name

Diebold Nixdorf

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