DATALOGIC LAUNCHES SMART VISION SUITE FOR RETAIL: THE INDUSTRY'S FIRST ALL-IN-ONE EMBEDDED AI SOFTWARE SOLUTION FOR REAL-TIME LOSS PREVENTION AT CHECKOUT

Datalogic, a global leader in automatic data capture and industrial automation, proudly announces the launch of Smart Vision Suite for Retail, a new AI-driven portfolio of software solutions designed to enhance loss prevention and checkout efficiency in retail environments, directly embedded in the updated Magellan™ 9600i and 9900i scanner platforms.

Bologna, Italy –January 9, 2026 – Building on over 40 years of innovation, Datalogic continues to redefine the point of sale experience with the introduction of the Smart Vision Suite for Retail. Designed to power the next generation of secure checkouts, this suite integrates advanced AI algorithms directly into the Magellan™ 9600i and 9900i scanners. The result is a seamless, high-speed loss prevention solution that improves retail efficiency while providing an unmatched TCO by removing the complexity of external hardware.

Engineered to meet the evolving needs of high-volume retailers for assisted lanes as well as self-checkout environments, these devices deliver unmatched scanning speed, modular flexibility, and powerful edge-based intelligence.

Embedded Intelligence for Loss prevention and Checkout efficiency: Protecting margins in real time

The Magellan™ 9600i and 9900i transcend traditional scanning by embedding advanced AI intelligence directly at the point of sale. Unlike solutions that rely on external processing, Datalogic's embedded architecture addresses shrink instantaneously, powering a suite of advanced use cases:

- Produce Recognition: Automatically identifies fresh items on the scale, eliminating manual entry errors and accelerating checkout throughput.
- Label Switching & Multiple Item Detection: Detects discrepancies between the physical product and its barcode, while identifying stacked items to ensure every product is accounted for.
- Mis-scan Detection: Real-time recognition of "missed" items—whether intentional or accidental—securing the lane without slowing down the customer

The Industry's Lowest TCO: All-in-one by Design

Datalogic has engineered the Magellan™ 9600i and 9900i as powerhouses. By integrating high-resolution color cameras, a built-in Power-over-Ethernet (PoE) switch, and a dedicated Tensor Processing Unit (TPU), we have eliminated the need for expensive external GPU, servers and complex cabling. This "all-in-one" philosophy does more than simplify the tech stack; it provides retailers with the industry's best solution for lowest total cost of ownership and the scalability to meet evolving store requirements.

High-performance scanning powered by QuadVision™ Technology

Driving this performance is Datalogic's proprietary QuadVision™ technology. By combining four multi-angle cameras with advanced image processing, the Magellan™ 9600i and 9900i series achieves: ultra-fast five-sided scanning, reliable reading of damaged or poorly printed codes, and seamless decoding of 1D, 2D, and GS1 Digital Link barcodes.

A new Standard for the Intelligent Store

The launch of the Smart Vision Suite marks a definitive shift in retail technology. By combining embedded AI, an all-in-one hardware design, and best-in-class scanning, Datalogic is set to provide every Retailer with the right tools to empower their own Intelligent Stores and they are no longer forced to choose between speed and security. With the Magellan™ 9600i and 9900i, the checkout experience is elevated thanks to operational efficiency, loss prevention, and unmatched user experience.

"Smart Vision Suite gives Retailers a simpler, smarter way to improve frontend performance," said Emanuela Mattiolo, General Manager of Fixed Retail Scanners Business Unit at Datalogic. "By embedding AI directly into the scanner, we reduce shrink in real time, boost operational efficiency, and deliver bestinclass scanning in a single, integrated platform—no external servers, no added infrastructure, just intelligent technology where it matters most."

This is the future of retail, designed to solve the shrinkage challenges of today while powering the Intelligent Store opportunities of tomorrow

Datalogic continues to redefine the checkout as a strategic point where efficiency, security, and innovation converge, ensuring retailers are equipped for the challenges of today and the opportunities of tomorrow.