



“The results from our exercise in Intel® DevCloud for the Edge show that neural network computing performance on a CPU now matches a GPU. These performance benchmarks are constantly improving, thanks to new, innovative tools.”

Erdem Yörük, PhD  
CTO  
Vispera Information Technologies



Customer experience often hinges on maintaining optimum inventory levels and for retailers, managing stock can be a time-consuming task that relies on floor personnel manually inspecting each shelf. With an Intel partnership, Vispera Information Technologies created the Shelvesight solution that automates the shelf inspection process, maintaining a constant digital record of shelf content throughout the store.

Using Intel® Xeon® Scalable processors optimized with the Intel® Distribution of OpenVINO™ toolkit and Intel® DevCloud for the Edge, the solution uses shelf-facing fixed cameras to inspect shelves in near-real time with near-perfect accuracy.<sup>1</sup> With state-of-the-art deep learning algorithms, Shelvesight detects and recognizes individual products with SKU-level granularity, rather than generic product types. By offering highly customizable measurements, reporting, and analytics capabilities, retailers can monitor shelves with an improved level of detail, speed, and accuracy compared to manual stock inspection.

Founded in 2014, Vispera specializes in image recognition-based data analytics services and platforms for retailers and suppliers.

**Industry**  
Retail

**Use case**  
Logistics and tracking

**Country**  
Global

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[vispera.co](https://vispera.co)

Shelvesight™  
solution  
automates  
inventory  
tracking

**Intel® products and technologies**  
[Intel® Distribution of OpenVINO™ toolkit](#)  
[Intel® DevCloud for the Edge](#)  
[Intel® Xeon Scalable Processors](#)



1. Based on Vispera's internal study. CPU: Intel® Xeon® Platinum 8160 CPU @ 2.10 GHz; 24 physical cores; memory: 2x32 GB DDR4-2666; disk drive: 240 GB, 2.5 in SATA 6 GB/s. (Intel® SSD DC S3320 Series or similar). Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy. Intel is committed to respecting human rights and avoiding complicity in human rights abuses. See Intel's [Global Human Rights Principles](#). Intel® products and software are intended only to be used in applications that do not cause or contribute to a violation of an internationally recognized human right. Intel® technologies may require enabled hardware, software, or service activation. No product or component can be absolutely secure. Your costs and results may vary. © Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.