



AI Retailer Systems × **HIKVISION**<sup>®</sup>

# JOINT VALUE BROCHURE

**POWERING DATA-DRIVEN STORES  
WITH VISUAL AI**

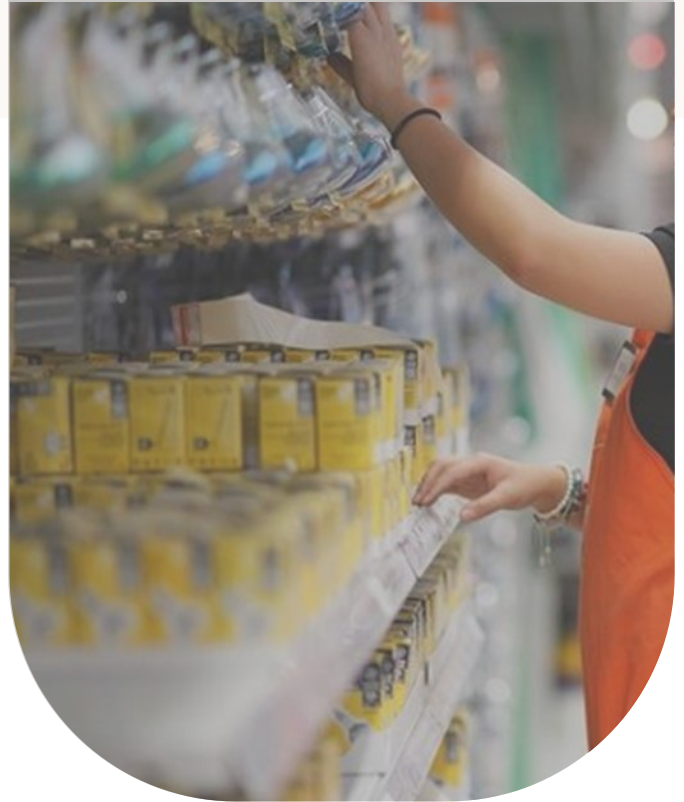
Reduced Labour Hours and Deliver Ultra-Convenience  
In Your Stores

# About AI Retailer Systems

AI Retailer Systems enable retailers to deliver the in-store shopping experience of the future with its Visual AI platform to maximize the productivity of staff time in the store, and the value of shoppers' trips.

There are three main applications:

1. Actionable shelf intelligence for ensuring the presentation of goods is as intended or ensuring high availability.
2. Preventing theft.
3. Facilitating ultra-convenient Grab & Go shopping with automated checkout.



## Technical Details

<b>Solution Type</b>	Retail shelf analytics / intelligence
<b>Integration Protocols</b>	ONVIF
<b>Product Languages</b>	English
<b>Regions</b>	Europe

## Integrated Hikvision Products

✓ IP Cameras

## Supported Product Models and Versions

**AIRetailer:** Visual AI Platform

**Hikvision:**

DS-2CD2142FWD-IWS, DS-2CD3D8662T-IZHSUY(2.8-12mm); V5.7.20 build 220905

# Solution Architecture

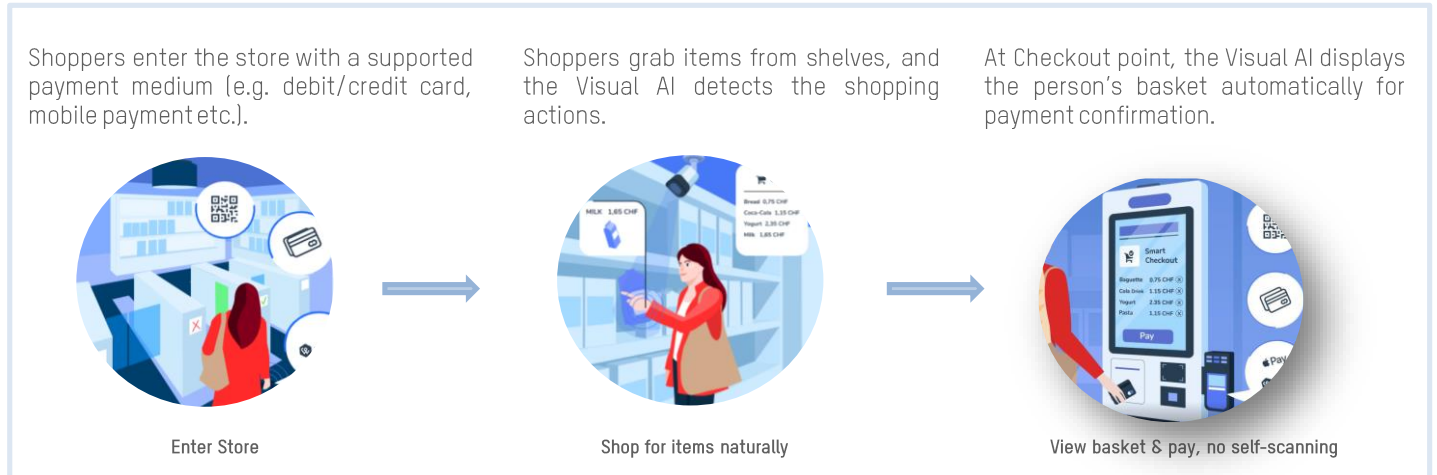
The AI Retailer Systems' Visual AI SaaS Platform and Hikvision HD cameras can be easily deployed for solutions of shelf intelligence, theft prevention and automated checkout.

The SaaS is plugged to Hikvision cameras to recognize the on-shelf items automatically from live video streams of stores, while ensuring compliance to European data protection and privacy regulations.



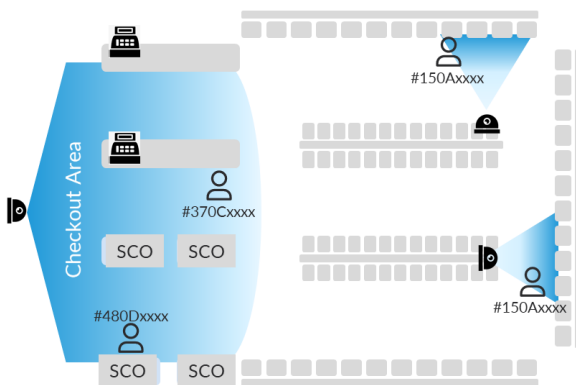
# Key Benefits

## Grab & Go Shopping: automated checkout experience



## Theft prevention for hot items

- High-definition monitoring and tracking of hot items
- VMS tagging for enabling real-time staff to alert with video evidence
- Option for Self-Checkout system integration for active theft deterrence & prevention

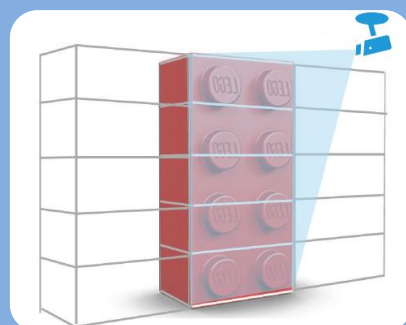


## Track shelf presentation, engagement & on-shelf stock levels automatically & guide staff activities

- Article & price tag compliance checking
- Trade marketing & article engagement analytics
- On-shelf stock level recognition:
  - ✓ full stock 70 – 100 %;
  - ✓ medium stock 40 – 69 %;
  - ✓ low stock 16 – 39 %;
  - ✓ empty 0 – 15 %



Modular solution enabling flexibility for use, cost effectiveness & reduced friction for shoppers



## In-store dashboard for analytics

Shopping statistics measuring the effectiveness of the layout & item placements can be made available on daily, weekly, monthly, or seasonal views for continuous improvement of the shopper experience.



## Key Features



Shelf intelligence: shelf presentation compliance, on-shelf article availability, trade marketing & engagement analytics



Theft prevention: hot items protection, VMS bookmarking/tagging, real-time video evidence



Automated checkout with automatic basket recognition



SaaS plugged to Hikvision IP cameras for live video streams analytics

# AI Retailer Systems

X

# Hikvision

Targeted Industries



Retail

# About Us

## Hikvision Digital Technology

Hikvision is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT. At Hikvision, we believe that it's the close collaboration with our ecosystem of partners that accelerates innovation and development, while also securing maximum value creation for clients.

We work closely with thousands of the best manufacturers of technical hardware and software systems in the security, automated manufacturing, and IoT industries. Our Technology Partner Program demonstrates how clients can use Hikvision technologies with full confidence that we provide vendors the right tools for comprehensive integration and compatibility with all our products, empowering our joint-value solutions to address pain points in various industries.

## AI Retailer Systems

Founded in 2019, AI Retailer Systems is an award-winning startup and Spin Off of the Swiss Federal Institute of Technology Zurich (ETH) with a vision for a *world where shopping awaits You round the corner & feels seamless*. AI Retailer Systems has been named a Top Swiss Retail-Tech by Startup.ch and work closely with leading Swiss innovation supporters & partners in retail.

Our mission is to enable retailers to deliver the in-store shopping experience of the future with our Visual AI platform to maximize the productivity of staff time in the store, & the value of shoppers' trip to the store.



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TECHNOLOGY PARTNER

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