PAVION - IRONYUN SOLUTION
Vaidio for Retail

VAIDIO ®
BY IRONYUN

Ensure safety, reduce loss, and enhance retail intelligence with advanced AI-enabled video analytics using existing IP cameras

The Challenge

Retail shrinkage is a rapidly escalating problem that, according to the NRF's 2022 National Retail Security Survey, is nearing a $100B scale. This issue becomes increasingly complex as loss occurs both in front- and back-of-house. The challenge retailers face is multifaceted: prevent shrinkage, enhance safety, and increase retail intelligence - all while protecting privacy and enhancing the customer experience.

The Solution

Pavion partners with IronYun to provide Vaidio—an efficient, AI-enhanced solution for loss prevention in retail stores, including self-checkout counters. The Vaidio platform, packed with over 30 advanced AI-enabled video analytics—including object detection, intrusion detection, license plate recognition, person counting, object counting, vehicle counting, and Personal Protective Equipment (PPE) detection—offers you an effective loss monitoring and prevention solution.

Designed to be compatible with any new or existing IP camera and currently integrated with 28 market-leading Video Management Systems (VMSs), Vaidio brings flexibility. It allows for multiple AI analytics to be applied to a single camera. Vaidio operates on real-time video, offers AI-accelerated video search, and can mine the video stream for business intelligence data.

With Vaidio, retailers can effectively monitor self-checkout stations and receive alerts for improper processes or missing item scans. Vaidio also provides valuable alerts, such as when too many power tools are placed into a cart in too short a time—activity that often signals imminent shoplifting. Additionally, the platform is capable of observing shipping and receiving stations, inventory levels, and warehouse conditions to improve inventory tracking and curb 'back-of-house' losses. With its comprehensive analytics, accelerated forensics, and intelligent data mining, Vaidio can improve safety and operational efficiency, while improving loss prevention operations to enable a significant and positive revenue impact on any retail operation.
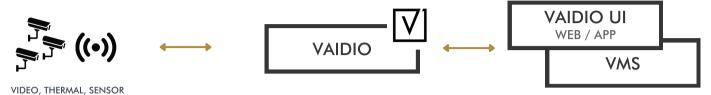
IRONYUN ®
www.ironyun.com

PAVION ™
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VAIDIO® AI VISION PLATFORM
Vaidio for Retail

VAIDIO
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Architecture

VIDEO, THERMAL, SENSOR → VAIDIO → VAIDIO UI WEB / APP / VMS

Features and Benefits

☐ **COMPREHENSIVE VIDEO ANALYTICS**
The platform combines 30 advanced AI video analytics functions including object detection, intrusion detection, and more on a single platform, to effectively monitor every corner of any retail operation.

☐ **EASY INTEGRATION AND SCALE**
Vaidio works with any ONVIF IP camera and existing video infrastructure, and scales from 10s to 1,000s of cameras, making it a versatile solution for all kinds of retail setups.

☐ **REAL-TIME MONITORING AND ANALYSIS**
Always-on, AI-enhanced monitoring and video data analysis ensure continuous surveillance and immediate alert generation in case of any unusual activity or potential loss event.

☐ **PRIVACY FIRST**
Privacy blurring comes enabled by default, along with auditable video search, to keep customer trust at the forefront.

☐ **SECURE STOREFRONTS AND STORAGE ROOMS**
Set door schedules based on hours of operation and streamline access credentials for employees. Pair with access control to visually confirm who enters and exits the premises and at what time.

☐ **PRECISION ALERTS**
Alerts and statistics on people, behaviors, vehicles, objects, and events help you keep a tab on all crucial aspects of the retail operation.

☐ **FASTER INCIDENT RESOLUTION**
Accelerated alerting (<2 seconds) and incident identification enable improved response time and swift incident resolution.

☐ **ECONOMIC IMPACT**
Vaidio's precision in detecting and preventing loss events can significantly reduce shrinkage to drive substantial cost savings.

☐ **FALSE ALERT REDUCTION**
With advanced AI algorithms, Vaidio can identify complex behaviors and filter out false alerts, reducing them by up to 99%. This high accuracy dramatically increases operational efficiency.

☐ **ONE PLATFORM FOR ALL RETAIL SECURITY NEEDS**
Protect stores, merchandise, customers, and employees at scale with a single platform using advanced AI video analytics.

Testimonials

IDC

"IronYun's Vaidio AI Vision Platform is recognized by IDC as "a good decision for enterprises that have extensive video surveillance capabilities and want to upgrade to advanced analytics that incorporate the latest technology."
- IDC MarketScape, Video Surveillance Analytics,

NVIDIA.

Nov 2021
"Out of hundreds of solutions we've worked with, Vaidio is one of a handful that ranks highest in terms of platform maturity and driving real-world customer value."
- Jumbi Edulbehram, Global Business Development, AI-City, Nvidia

About IronYun, Vaidio, and Pavion

Pavion is proud to partner with IronYun to deliver scalable, next-generation AI-enabled video analytics, with the commitment of solving customer problems and creating business value. IronYun's SIA award-winning Vaidio Platform brings accurate AI monitoring and alerting to any camera with over 30 video analytics functions that work across real-time, forensic, and video data applications. This solution is an open software platform that works with any IP camera and integrates out of the box with the leading video management systems on the market.

❋ PAVION™
CONNECT AND PROTECT

MADE IN USA

NDAA
Compliant