Logistics

Why Logistics Companies Should Amplify Investments in the Right AI Video Surveillance Systems

No matter where logistics companies are situated in the world, they face immense pressure to enhance efficiency and security while also cutting costs. This presents a considerable challenge.

By implementing AI-powered surveillance systems, these companies can meet their goals and gain vital operational insights that help them tackle daily challenges, such as intricate supply chains, increasing theft concerns, and labor shortages.
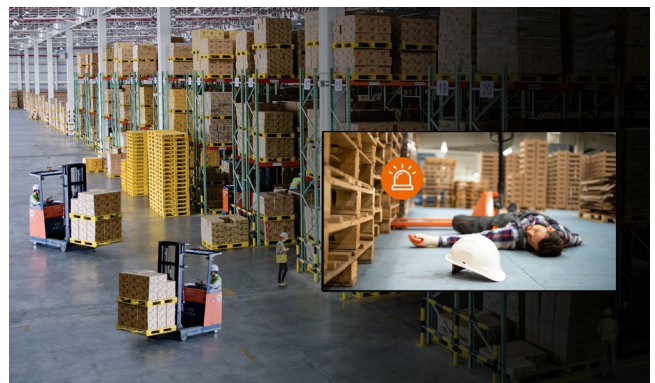
Enhancing Onsite Security

A 2023 report from the National Association for Property & Logistics Security (NAPLS) reveals that theft-related incidents cost U.S. supply chains nearly $30 billion every year. While companies may not be able to resolve all theft concerns related to residential last-mile deliveries, modern AI-powered video surveillance systems can significantly lower the risk of theft from burglars, intruders, or even insider threats.

By collaborating with a strategic surveillance partner, logistics companies can establish a robust physical security framework that offers multiple layers of protection, covering everything from parking lots and main entrances to major processing hubs and backend loading docks.

Operational Insights

AI video surveillance goes beyond merely improving security; it can also enhance operational efficiency.
By integrating AI video analytics with warehouse management systems (WMS), logistics companies can obtain deeper insights into their workflows and fine-tune their processes.

A report from Logistics Management (2024) states that AI-enhanced video systems can track goods movement, monitor inventory levels, and pinpoint inefficiencies on the warehouse floor in real-time.

AI-driven cameras can evaluate the flow of goods throughout a facility, automatically identifying bottlenecks, underutilized spaces, or slow-moving processes that may lead to delays.

This information can be leveraged to optimize staffing, reorganize warehouse layouts, or modify inventory handling techniques, ultimately boosting throughput and cutting operational expenses.

Another significant advantage of modern AI video surveillance systems is their ability to provide real-time analytics across various operational facets. Logistics companies must handle vast amounts of data across multiple locations.
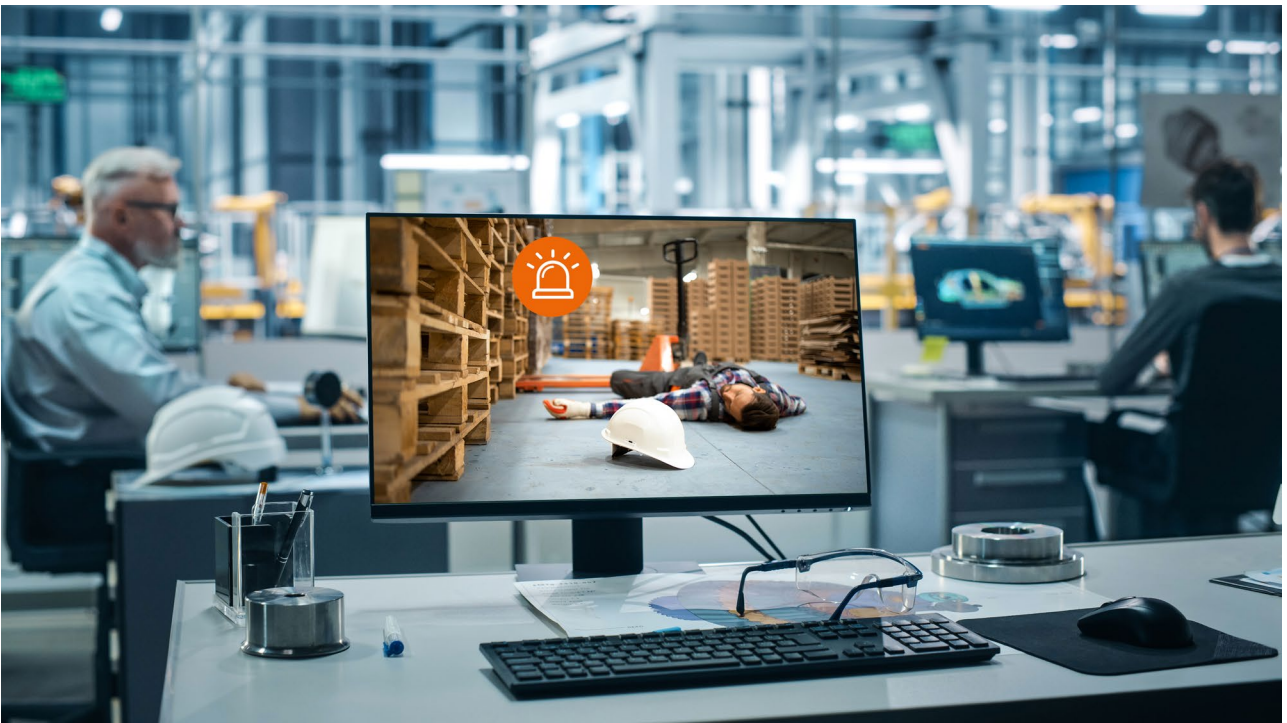
Traditionally, decision-making has relied on fragmented or outdated information without AI video surveillance. With continuous analysis of video feeds, AI video surveillance addresses this issue effectively, and reduces the risk of common errors that impact logistics companies.

For instance, an AI system can spot potential issues, such as an out-of-place package or a delay in on an outbound shipment – before the problem escalates further. As part of if its queue management and safety feature, Hanwha Vision's new AI-driven Logistics Solution Set can also closely monitor activities in loading bays, tracking if the right vehicles are parked where they should be, if they are receiving the right packages and, equally important, how long they are taking to achieve full load times.

Having this information can help company leaders identify the key reasons for any slowdowns and avoid costly delays. Besides minimizing the chance of packages ending up in the wrong truck, it can also reduce safety-related concerns that come up when parked commercial are not originally in their designated spots and then require drivers to move and/or reverse in tight driving conditions.

Simplifying Compliance & Reducing Liability

As part of their business realities, logistics companies must adhere to a wide range of safety, labor, and environmental regulations and operating standards. With intelligent AI video surveillance systems, company leaders can accurately identify if every part of their operations and employees are meeting these stringent requirements.

In the event of a dispute or accident, AI surveillance systems can provide video evidence to help companies solve any employee-related HR issues and/or defend against liability claims. This can be particularly valuable in the case of damage to goods, accidents involving personnel or claims of improper handling.

Along with tracking compliance, AI-enabled surveillance systems offer the valuable benefit of helping to simplify compliance reporting. They can provide detailed logs and reports of monitored environments, enabling companies to reduce the time and costs related to compliance reporting.

Reducing Costs Via Automation Capabilities

According to an in-depth, 2023 report from McKinsey & Company, automation in logistics is projected to save companies up to 25% of their annual operating cost by improving efficiency and ensuring right-sized staffing, even for the busiest holiday shipping seasons.

Specific to AI video surveillance, it can drive cost savings in numerous ways, the most obvious being the ability to optimize security staff effectiveness with team members able to focus more time on the most critical areas.

As the logistics industry continues to turn to AI-enabled video surveillance solutions, Hanwha Vision will continue to provide ground-breaking solutions like our new Logistics Solution set.

For successful logistics companies, a promising and profitable future awaits.
It's crucial to identify the right video surveillance partner, along with the right AI-enabled solutions, to maintain a competitive edge and manage the challenges of both today and tomorrow.

Want to advance your business? Contact a Hanwha Vision Logistics Industry Expert. (Email needed)

See how the Hanwha Vision Logistics Solution set transforms every part of logistics and parcel management processes.

Hanwha Vision