

Video Solution Trends for 2022

Expert Opinion



Introduction

The video surveillance industry is growing at an unprecedented rate. To future-proof video analytics and video surveillance, we must consider the changing landscape of video recording in 2022. With the emergence of smart cities and a population that demands more privacy, video surveillance will undergo

some dramatic changes in five years' time. In this summary, we will talk about the future of video surveillance and video analytics in 2022. Without further ado, here are the video surveillance and video analytics trends for 2022.

CONTENT

Reduce Retail Shrink Using Inventory Planning	3
Increase in Patient Satisfaction and Safety	3
Stronger Cybersecurity at Government Sites	4
Maximize Automation and Safety for Manufacturers	4
Improved Traffic Patterns and Congestion	5
Move Toward Digitization in Energy Sector	5
Reorganizing Retail Stores for Increased Safety	6
Prevent Overheating with Energy Storage Batteries	6



Reduce Retail Shrink Using Inventory Planning

With video surveillance, inventory planners are able to identify trends in the way their products are being handled. This information can then be used to create more efficient product flows by reducing shrink at retail locations. Inventory planning is one of video analytics' best uses cases because it provides retailers with real-time data that they otherwise wouldn't have access to. By applying video analytics, you can reduce shrink through front- end and back-end processes. In the front-end, video analytics can help identify employee theft or product tampering. In the back-end, video analytics can help retailers optimize their stock and improve restocking processes. Moreover heatmapping is a valuable feature of video analytics that allows businesses to see where people are spending the most time in their store. This information can then be used to make strategic decisions about the placement of products and signage. If you adapt and customize product placement according to your customers' preferences and behaviors that helps you to increase sales.



Reduce Retail Shrink
Using Inventory
Planning



Increase Patient Satisfaction and Safety

According to a research report by Sage Journals, patient satisfaction rates have decreases from 82% pre-COVID to 69% during the pandemic. That's a staggering 13% drop in just over 2 years. Moving in 2022, many hospitals and healthcare facilities will be looking to improve patient satisfaction while continuing to battle COVID-19. With that, video analytics and surveillance offers a unique opportunity for healthcare systems: improve patient satisfaction by increasing facility efficiency increasing facility efficiency and relieve the nursing staff. For hospitals and healthcare facilities looking to incorporate AI into their facility, video analytics can be a powerful tool to assess and improve the patient experience. Features like body temperature screening, heatmapping, and behavior analysis can help healthcare providers locate and identify opportunities to improve patient satisfaction at scale.



Increase in Patient
Satisfaction and Safety

Stronger Cybersecurity at Government Sites

In late 2021, the Biden Administration ordered that federal agencies prioritize cybersecurity. While the order specifically shares requirements for computer systems, it's also important to take note of IoT video technology connected to government networks. The largest factor in governmental consideration of video equipment is NDAA compliant. MOBOTIX products are NDAA compliant, which means that we follow strict governmental standards for manufacturing and product sourcing. For agencies looking to upgrade their video surveillance, investing in cyber secure video technology is a must. To add an extra layer of security, agencies can keep track of all activity on government property - including employees and visitors. This information can be used to investigate any potential breaches in security.



Stronger Cybersecurity at
Government Sites



Maximize Automation and
Safety for Manufacturers

Maximize Automation and Safety for Manufacturers

Manufacturers are one of the most important drivers for video surveillance in 2022. With more manufacturers implementing video, they are able to increase automation and safety measures on their production lines. With supply chain issues from 2020 and 2021, manufacturers are looking for video surveillance that can help improve their production line efficiency now more than ever, according to UpKeep. Video analytics has the ability to do just that by providing manufacturers with information on the speed and accuracy of their production line. Additionally, video analytics can help identify bottlenecks in the production process - saving time and money. We have seen tangible benefits that video analytics bring manufacturing plants in the form of increased efficiency through real-time alerts, early detection of product defects or damage, and improved overall security against theft and vandalism.

Improved Traffic Patterns and Congestion on Roads, Highways and Streets

In 2022, video analytics can help cities reduce street congestion by as much as 30% according to Cisco IBSG. This is a very real possibility with video surveillance technology that analyzes traffic patterns at intersections and road crossings. With video analytics, city planners are able to see where traffic is backing up and identify the root cause of the problem. With this information, they can then begin to make changes - like adding an extra traffic light, adjusting the timing or the digital control of speed limits. In addition to reducing street congestion, video analytics can also help cities identify and react to dangerous intersections more quickly. In 2021, video surveillance was used in the city of Pittsburgh to reduce accidents by 45% at one intersection alone according to Uptown Partners Group.



Move Toward Digitization in Energy Sector

The energy sector is set to invest in digitization, energy-efficient integrations, and solutions that overcome the intermittency in 2022, according to StartUs Insights. This is also a result of video surveillance and video analytics that can help the sector digitize its processes and make them more energy-efficient. One of the main ways video analytics can help the energy sector is by helping to identify faults in equipment before they become a major issue. By catching these issues early, the energy sector can prevent power outages and save money on repairs. Video analytics can also help the energy sector improve its security. With video analytics in place, energy companies can detect and prevent theft of fuel or other resources.

Reorganizing Retail Stores for Increased Safety

With COVID-19 still prevalent, retail stores are continuing to prioritize safety. According to Influencer Marketing Hub, many retail stores are taking steps to physically redesign spaces for improved safety and efficiency amidst the pandemic. The question for retailers becomes, “How should I redesign my store?” And unfortunately, many retail businesses lack the analytics to make an informed decision. With AI and video analytics, video can be analyzed for re-organizing purposes. For example, to better manage store entrances and exits. Often, there are increased restrictions on maximum capacities for the number of customers. In order to determine the current numbers in real time, entries and exits must be monitored. MOBOTIX video technology can do this reliably and effectively for you. Even if there are several entrances and exits. In many areas, like shops, schools and public buildings, there are increased restrictions on maximum capacities for the number of visitors, customers or employees. In order to determine the current numbers in real time, entries and exits must be monitored. MOBOTIX video technology can do this reliably and effectively for you.



Reorganizing Retail Stores
for Increased Safety



Prevent Overheating with Energy Storage Batteries

According to Greenz, video surveillance can help the energy storage battery industry monitor their batteries for overheating. Battery life is greatly reduced if they are overcharged or charged too often. If not monitored closely, this could lead to an explosion - causing serious damage and injury/death at a facility that specializes in storing large amounts of electricity. With high-end thermal cameras, video technology can detect signs of overcharging and alert operators immediately. If the battery is going to explode, it will be prevented before that happens. With renewable energy specifically, video analytics will help to create grids that are more stable and resilient to outages.



Prevent Overheating with
Energy Storage Batteries



“Our mission statement to go ‘Beyond Human Vision’ is the heart of a philosophy that recognizes that video surveillance is part of a wider potential with MOBOTIX as a foundational platform for innovative solutions to real world challenges in manufacturing, retail, healthcare, transportation and many other areas.”

Thomas Lausten, MOBOTIX CEO



Contact us
us.info@mobotix.com