

# LUMADA VIDEO INSIGHTS FOR SMARTER RETAIL STORES AND DISTRICTS

Video intelligence and smart spaces can help retailers operate more efficiently, provide better customer experience that translates into sales, and keep their stores safer and more secure.

## Learn How Retailers Succeed With Hitachi

Retailers are facing rapidly changing customer preferences and digitization of commerce. They gain insights from their websites, and IoT can help them gain the same insights from their brick-and-mortar locations, including customer preferences and in-store marketing optimization models.

### The **RETAIL APOCALYPSE** is just getting started.



**85%**

of retail sales in 2025 will happen in brick-and-mortar stores despite the e-commerce boom and slowing growth. However, Retailers Cannot Expect To Stay Successful By Going About Business As Usual<sup>1</sup>

**12,000**

stores are projected to close in 2020 (vs. only a few thousand openings),

**50%**

of shopping malls are expected to close by 2023. Only retailers that provide a great experience, understand their customer's in-store behavior, and operate efficiently will survive, but also prevail.<sup>2,3</sup>

### HOW CAN RETAILERS BECOME SMARTER?

#### OPERATIONAL INTELLIGENCE

When should I deploy a new cashier to keep customers happy?



#### BUSINESS INTELLIGENCE

What's the best way to arrange my store or merchandise?



#### SECURITY

How can I prevent loss, and keep customers safe?



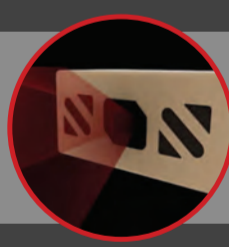
## VIDEO ANALYTICS

Video is the most underutilized source of data today.

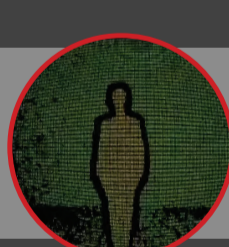
A wide range of video analysis capabilities from Hitachi enable airports and ports to make their existing video capture systems much more effective.



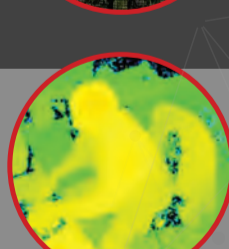
## 3D LIDAR



3D lidar uses lasers to visualize the world, similar to how sonar uses sound.



Lidar is used to create a real-time, three-dimensional view that captures no personally identifiable information (PII).



Lidar data is analyzed by artificial intelligence (AI) to provide new insights and alerts where video may not work well or be appropriate.

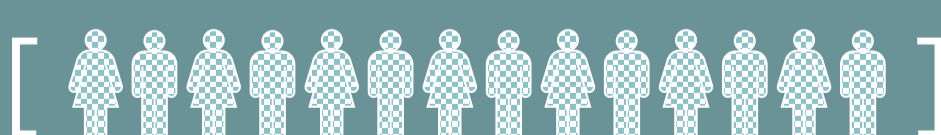
### LIDAR USE CASES:

- Gain foot traffic pattern insights across shopping malls or inside retail stores.
- Analyze queue abandonment rates and improve conversions.
- Optimize staffing to meet customer service needs.

## PRIVACY PROTECTION

Privacy protection is an important aspect of any video security system, and automated privacy protection can reduce risk and liability.

- COMPLETE PRIVACY: The entire body is pixelated, so no personally identifiable information (PII) is captured.
- TRANSPARENCY: Any use of raw footage for investigations requires ID verification and is tracked to ensure compliance.
- 3D LIDAR: Generates laser-point cloud that provides rich insights without any private information.



## WHAT CAN YOU DO WITH VIDEO INSIGHTS?



Improve efficiency, make smarter business decisions, and improve public safety and security with Hitachi Smart Spaces solutions and Lumada Video Insights.

Learn more at [hitachivantara.com](http://hitachivantara.com).

<sup>1</sup> <https://www.mckinsey.com/industries/retail/our-insights/how-retailers-can-keep-up-with-consumers>  
<sup>2</sup> Retail Apocalypse: <https://www.bloomberg.com/graphics/2017-retail-debt/>, [https://en.wikipedia.org/wiki/Retail\\_apocalypse](https://en.wikipedia.org/wiki/Retail_apocalypse)  
<sup>3</sup> <https://news.warrington.uil.edu/faculty-and-research/why-brick-and-mortar-retail-stores-are-still-relevant-according-to-uf-warrington-research/>