



# LTS LINK

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## SECURITY SOLUTIONS FOR SUPERMARKETS

### INTRO

In today's landscape, supermarkets face numerous security challenges such as theft of cash, assets, and merchandise, burglaries, and safety incidents involving customers or employees.

LTS offers advanced security solutions to address these issues, featuring AI-powered video surveillance for shelf monitoring, vehicle management, and hazard alerts. Read on to learn about our security products and solutions for supermarkets.

### TABLE OF CONTENTS

Challenges and Trends • P.2

Integrated Security Solution • P.3

NVRs with VCA • P.4

# RISKS & TRENDS FOR SUPERMARKETS

## CHALLENGES

Supermarkets nowadays encounter a variety of security risks including theft, burglary, and customer or employee injuries.

- **Theft:** Supermarkets are vulnerable to theft of merchandise and assets, leading to significant financial losses. Shrink in FY 2022 was \$112.1 billion, representing 1.6% of total retail sales.
- **Burglaries and Organized Crime:** High volumes of cash transactions make supermarkets convenient targets for criminals.
- **Customer & Employee Safety:** Hazards such as trips and falls, workplace injuries, and damage pose risks to both customers and employees.

Reference: [NRF](#)



## TRENDS

Driven by AI and cloud computing, Video Surveillance as a Service (VSaaS) and Artificial Intelligence of Things (AIoT) provide exciting new solutions for the retail industry - including supermarkets.

- **VSaaS:** There's increasing demand for cloud-based Video Management Systems (VMS) in retail. Compared to on-site NVRs, Cloud-based video surveillance offers more flexibility, scalability, and upfront cost-savings. It enables users to access their security devices remotely from anywhere at any time, and data systems are constantly updated and maintained.
- **AIoT:** The AIoT market exceeded \$9 billion in 2022 with an estimated CAGR of 20% from 2023 to 2032, and retail accounts for the largest market share. AI-powered security cameras offer functionalities such as people counting, queue management, license plate recognition (LPR), facial recognition, target searches, and metadata analysis, empowering supermarket managers to radically boost their security and operational efficiency.



# HOLISTIC SOLUTIONS FOR SUPERMARKETS

Supermarkets need reliable and advanced security measures for effective loss prevention, personnel safety, and operational optimization. LTS offers a comprehensive security solution that ensures effective safety and efficiency.



## **LTK3410MF**

Face Recognition door station for staff-only access



## **CMIP3T22W1-2M**

Thermal Camera for fire alarm and risk prevention

## **CMIP3C8PW-SDL**

Color 24/7 Panoramic Camera with Active Deterrence

## **CMIP7562NF-SE**

Fisheye Camera for shelf monitoring with no blind spots



## **LTN8716D-P16N**

16-Channel VCA NVR

## **CMIP1382WE-28MDA**

Dual Light Turret with MD 2.0

## **CMIP7C82WI-28MDA**

Hybrid Illumination 4K Dome Camera for Color 24/7 on demand

## **CMIP7C43W-SDZ**

Color 24/7 Motorized Dome for POS transaction records

## **CMIP7943WLPR-32R**

LPR Camera for vehicle management

## **PTZIP778NW-X25IR**

Active Deterrence PTZ with Smart Tracking

# NVR EQUIPPED WITH VCA FUNCTIONALITY

## FEATURED

The LTS Platinum 87-Series NVRs provide AI functionality, featuring facial recognition, MD 2.0 human & vehicle classification, and other video content analytics (VCA) events - empowering the cameras with AI based in the NVR itself.

### LTN8708D-P8N / LTN8716D-P16N

Highlights:

- MD 2.0 and VCA functionality provided by the NVR
- Enhanced decoding capability - up to 3 channels @ 4K
- Support for facial detection and analytics such as image search and comparison alarm
- LTS Connect Mobile App for remote management

Applications: Retail, Warehouses, Office Buildings, and More



## ENHANCED SECURITY FOR CHAIN STORES

### CASE STUDY

**Background:** With growing security concerns, a chain of supermarkets in Georgia needed an upgraded security system to better protect customers, staff, and properties.

**Solution:** LTS proposed a comprehensive solution including implementing Active Deterrence PTZ cameras to deter potential threats in the parking lots, License Plate Recognition (LPR) cameras for improved vehicle monitoring, Hybrid Illumination dome cameras for clear footage in varying lighting conditions, fisheye cameras over the shelves, and the VCA-equipped NVRs to analyze video data such as face recognition and human/vehicle classification.

**Result:** LTS's solution significantly improved security across all their chain stores, reducing theft, vandalism, robberies, and unauthorized access. The systems enhanced safety for customers, staff, and property while increasing operational efficiency.



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