



LTS LINK



SECURITY SOLUTIONS FOR GAS STATIONS

INTRO

Gas stations face various security risks, including theft, vandalism, and violent crimes. To address these challenges, robust security measures such as integrated video surveillance and alarm systems are essential.

LTS provides comprehensive security solutions for these high-risk environments, enhancing safety and streamlining operations. Read on to explore our featured cameras and industry applications.

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GAS STATION SECURITY RISKS

CHALLENGES

Gas stations, often open 24/7 and frequently handling cash transactions, face heightened security challenges. They are prime targets for theft, vandalism, and violent crimes, threatening employee and customer safety.

In 2022, the FBI reported 17,854 violent incidents at gas stations in the US, among which robbery and aggravated assault accounted for over 97%, highlighting their vulnerability. This alarming trend underscores the urgent need for robust security measures to protect staff and assets in this high-risk industry.

Source: [FBI](#)



TRENDS

Essential Security Components for Gas Stations

- **Surveillance Systems:** Security cameras, alarm systems, and video recorders to cover the convenience stores, gas pumps, and parking lots.
- **Access Control:** Electronic locks, keycards, or facial recognition access control systems to restrict unauthorized entry into sensitive areas like checkout counters or stockrooms.
- **Alarm Systems:** Intrusion alarms with sensors to deter trespassers, and fire & gas leak alarms for early warnings.

Emerging Trends

- **AI-Driven Surveillance:** Security cameras are equipped with AI technologies such as facial and license plate recognition, people counting, and active deterrence.
- **Autonomous Security:** Today's systems are capable of monitoring activities and reacting automatically.

Integrating a modern surveillance system with AI-powered technologies will enhance security, protect against criminal activities, and optimize operational efficiency.



INTEGRATED SOLUTION FOR GAS STATIONS



Gas stations, often open around the clock, require robust security for protecting employees, customers, and assets. LTS offers an integrated solution including video security, access control, alarm systems, and a unified platform, streamlining operations and improving safety.



CMIP75122NF-SE

360° Fisheye camera for comprehensive store view

CMIP7C43W-SDZ

Color 24/7 Varifocal Dome for counter security



LTK3410MF

Door Station with Face Recognition and remote control

LTN8916-P16N

8K NVR with 16 PoE



Convenience Stores

Staff Office

Perimeters

Fueling Zone

Vehicle Entrance & Exit

PTZIP778NW-X25IR

PTZ with Smart Tracking and Active Deterrence

CMIP7C42WI-28MDA

Hybrid Illumination mini bullet for Color 24/7 on demand



CMIP9T221-3M

CMIP3T22W1-2M

Thermal IP cameras for fire point detection



CMIP7943WLPR-32R

LPR (License Plate Recognition) camera for vehicle management

ADVANCED PTZ FOR PROACTIVE SECURITY

FEATURED

LTS carries a series of network PTZ cameras equipped with AI-powered technologies such as Color 24/7, Smart Tracking, Active Deterrence, and Motion Detection 2.0. These featured PTZ cameras provide a flexible monitoring range, vivid nighttime imaging, and proactive measures for deterring intruders.

PTZIP778NW-X25IR highlights:

- 4K high-resolution PTZ with superior visual quality and 25x optical zoom for details
- Smart Tracking technology to detect and track moving objects in real-time
- MD 2.0 human/vehicle classification to improve alarm efficiency
- Active Deterrence with built-in siren and strobe light
- Face Capture that can detect up to 5 faces simultaneously



ENHANCED SECURITY FOR GAS STATIONS

CASE STUDY

Challenge: A chain of eight gas stations in Texas, frequently targeted by vandalism and robberies, required an upgraded surveillance system. The need was for a robust, weather-resistant solution that could cover extensive areas and be managed remotely.

Solution: LTS provided an integrated security system including Active Deterrence PTZ Cameras to deter trespassers, Color 24/7 Turret Cameras for all-day monitoring, Thermal Bullet Cameras for fire detection, LPR for vehicle management, and NVRs for playback and data retrieval.

Result: This LTS solution significantly enhanced security across all locations, reducing incidents of vandalism and robberies with a cost-effective and labor-reducing installation.





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