LTS LINK

JAN 2024

SECURITY SOLUTIONS FOR CONSTRUCTION SITES

INTRO

Construction sites, with their complex blend of activities, face many challenges such as workplace injuries, fire hazards, and theft, accompanied by high costs and serious risks.

LTS offers advanced security solutions to address these concerns, featuring AI-powered video surveillance for perimeter protection, vehicle management, and tower crane monitoring. Read on to explore our security products and solutions for construction sites.
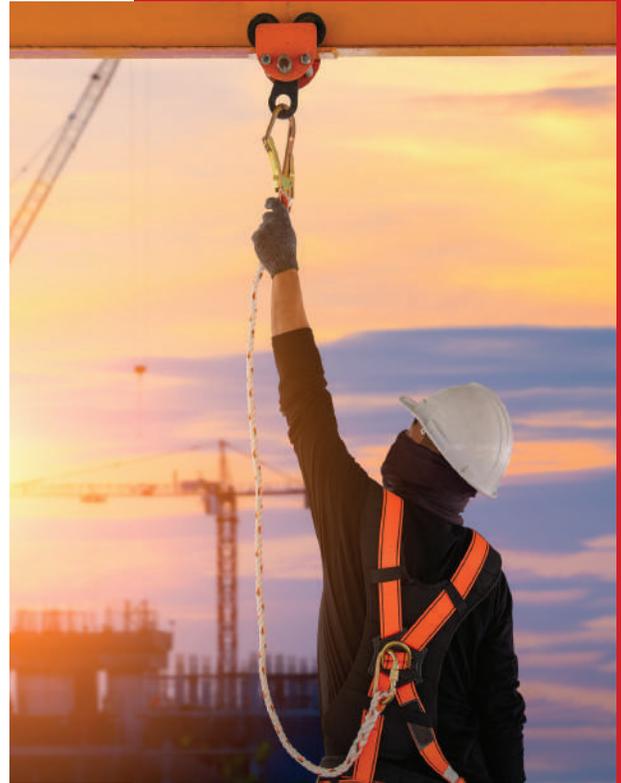
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LTS

CONSTRUCTION SITES RISKS & TRENDS

CHALLENGES

Construction sites, with their complex blend of activities, personnel, assets, and machinery, face a multitude of challenges accompanied by high costs and stakes.

- **Work Injuries**: Construction ranks second in workplace fatalities, with over 1,000 annual work-related deaths and 169,200 nonfatal injuries recorded in 2021, costing over $170 billion per year.
- **Fire Hazards**: From 2017 to 2021, fire departments dealt with about 4,440 fires annually in under-construction structures, resulting in 5 civilian deaths, 59 injuries, and $370 million in property damage each year.
- **Theft**: In 2021, construction sites witnessed over 11,000 thefts, surpassing convenience store theft according to the FBI.

Reference: BLS, Security Magazine

TRENDS

The integration of AI and cloud technologies in video surveillance security promises significant improvements for construction sites.

- **AI-powered Video Analytics:** Based on deep learning AI algorithms, cutting-edge security products enable advanced video analytics such as License Plate Recognition, Active Deterrence, Face Recognition, People Counting, Heat Mapping, and more. AI's evolution promises a predictive era in technology, anticipating risks and optimizing operations based on metadata, shaping the future of security.
- **Cloud-Based Video Surveillance:** Cloud-based solutions provide scalable video monitoring, unparalleled accessibility, reliability, advanced analytics, and third-party management. Overcoming physical storage limitations, cloud-based surveillance ensures secure, easily-retrievable data anytime, anywhere.

In related news, Penn State University and Ohio State University secured a four-year, $1.8M grant from the National Science Foundation (NSF) to develop an AI-based monitoring system for construction worker safety.

INTEGRATED SOLUTION FOR CONSTRUCTION SITES

●●●

It's crucial to safeguard both workers and property on construction sites. With cutting-edge products and technologies, LTS offers a comprehensive security solution that ensures effective safety and protection.
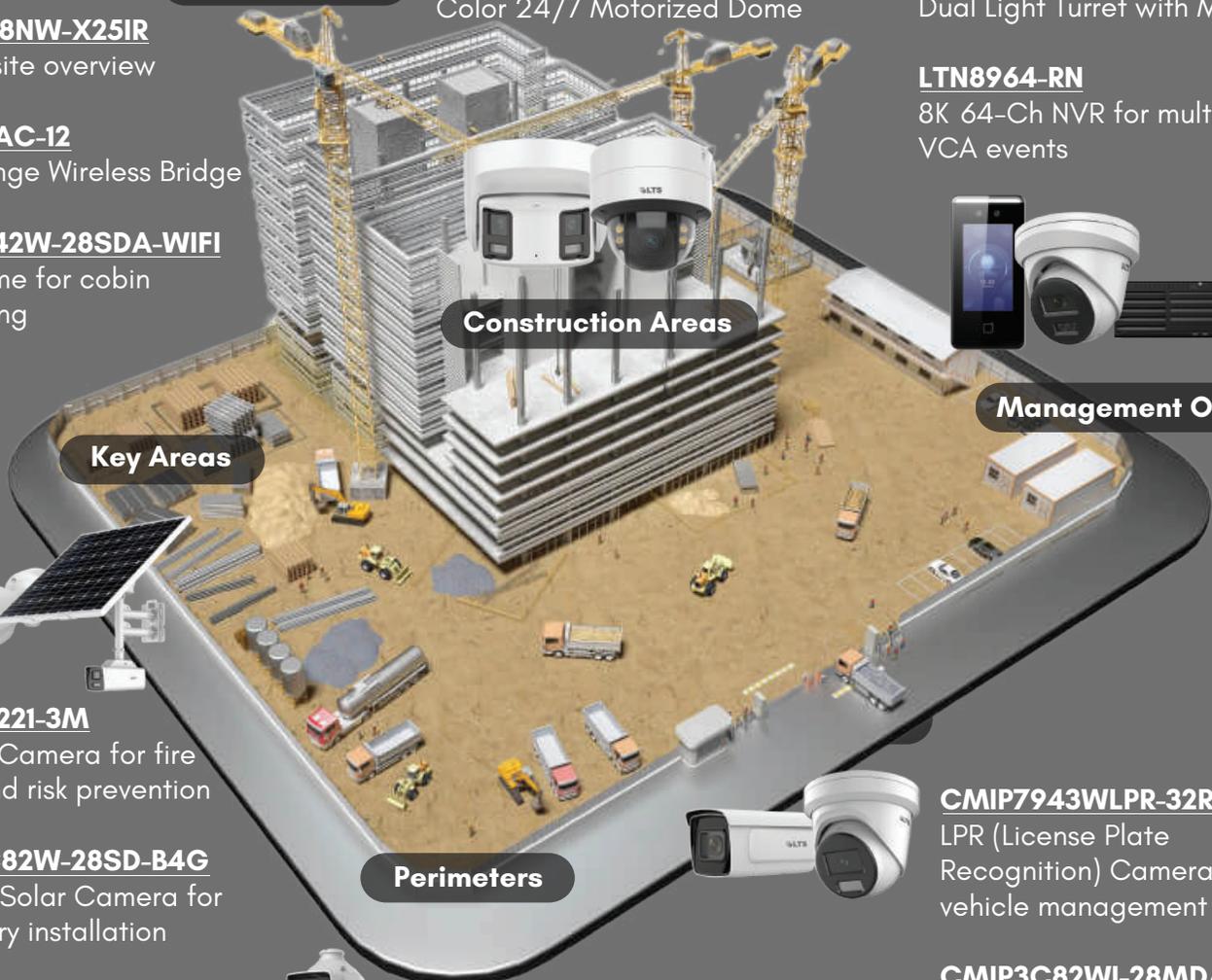
CMIP3C8PW-SDL
Color 24/7 Panoramic Camera with Active Deterrence

CMIP7C43W-SDZ
Color 24/7 Motorized Dome

LTK3410MF
Face Recognition door station for staff-only access

CMIP1382WE-28MDA
Dual Light Turret with MD 2.0

LTN8964-RN
8K 64-Ch NVR for multiple VCA events

Tower Cranes

PTZIP778NW-X25IR
PTZ for site overview

LTWB-5AC-12
Long-range Wireless Bridge

CMIP3142W-28SDA-WIFI
Mini Dome for cobin monitoring

Construction Areas

Management Office

Key Areas

CMIP9T221-3M
Thermal Camera for fire alarm and risk prevention

CMIP9C82W-28SD-B4G
Wireless Solar Camera for temporary installation

Perimeters

CMIP7943WLPR-32R
LPR (License Plate Recognition) Camera for vehicle management

PTZIP4C44W-X25IR
Color 24/7 PTZ with Smart Tracking to monitor large areas with details

CMIP3C82WI-28MDA
Hybrid Illumination 4K Turret Camera for Color 24/7 on demand

HYBRID LIGHT FOR FLEXIBILITY

FEATURED

Our Dual light and Hybrid illumination cameras can switch between Infrared (IR) and visible supplemental lighting, offering flexible options for light-sensitive and eco-friendly scenarios.

Dual Light *(New)*
Highlights:
- Advanced dual light technology with extended range
- MD 2.0 human/vehicle classifications
- 4 & 8 MP options for clear video imaging

Hybrid Illumination *(Bestsellers)*

Highlights:
- Hybrid Illumination technology enables seamless switching from IR to white lighting when detecting humans or vehicles
- Color 24/7 technology improves night vision
- MD 2.0 human/vehicle classification minimizes false alarms
- Various form factors and resolution options are available

COMPARISON CHART

Hybrid Illumination				Features		
SKU	*Form Factor*	*Resolution*	*Illumination*	*4K*	*Color 24/7*	*MD 2.0*
CMIP3C42WI-28MDA CMIP3C42WI-MDA	Turret	4 MP	0.0005 Lux @ F1.0		●	●
CMIP3C82WI-28MDA	Turret	8 MP	0.0008 Lux @ F1.0	●	●	●
CMIP7C42WI-28MDA	Dome	4 MP	0.0005 Lux @ F1.0		●	●
CMIP7C82WI-28MDA	Dome	8 MP	0.0005 Lux @ F1.0	●	●	●
CMIP8C42WI-28MDA	Mini Bullet	4 MP	0.0005 Lux @ F1.0		●	●
CMIP9C42WI-28MDA	Bullet	4 MP	0.0005 Lux @ F1.0		●	●

Dual Light				Features		
SKU	*Form Factor*	*Resolution*	*Illumination*	*4K*	*Color 24/7*	*MD 2.0*
CMIP1342WE-28MDA	Turret	4 MP	0.005 Lux @ F1.6			●
CMIP1382WE-28MDA	Turret	8 MP	0.01 Lux @ F2.0	●		●

Applications: Construction Sites, Warehouses, Residential Areas, Retail Stores, and more.

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www.LTSecurityinc.com
*Indicates Regional Hub Location