

Smart AI Cameras for Proactive Industrial Safety



How It Works: Quick Setup, Real Time Protection

1, Install the Luis AI Camera

2, Configure Zones

Connect the Wi-Fi dongle, shape protection zones in a web browser.

3, Protect People

Luis AI instantly and automatically detects people, sounds alerts, or stops machinery before accidents happen.

TRAXION introduces industry-leading Luis Smart AI camera systems for transportation safety and enhanced operator awareness. Luis AI advanced people detection and exclusion zone technologies integrate seamlessly into fleet and equipment, preventing incidents before they happen, and protecting people, assets, and operations.

Advanced Safety

Real-time pedestrian detection, intelligent zoning, alerts or automated shutdown.

Built for New Zealand Industry - Safety Solutions for Mining, Transport, Logistics & more

German engineering for commercial transport, mining, logistics, waste management and municipal environments.

The Luis AI Camera is trusted by operators across mining, logistics, waste management, agriculture, and council fleets. It is built for industries where people and machines work side by side, and where seeing every risk can mean the difference between a near miss and a serious incident.

-  **Transport & Logistics:** Trucking, fleet vehicles, forklifts, loading equipment.
-  **Municipal:** Council trucks, waste management, street sweepers.
-  **Industrial Facilities:** Warehouses, factories and processing plants.
-  **Mining & Drilling:** Excavators, wheel loaders, haul trucks and drilling rigs.
-  **Chemical & Fuel Transport:** Vehicles operating in hazardous material environments.

The Smart Approach to Accident Prevention

TRAXION delivers camera systems built to the highest German standards. LUIS is Europe's leading manufacturer of AI-driven driver assistance technology known for reliability, precision and long-term performance in industrial environments.

Safety gaps you cannot afford to miss

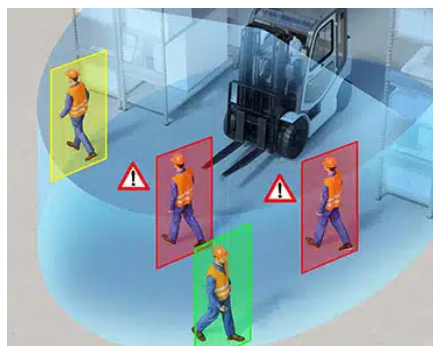
In high-risk industrial environments, operators cannot always see pedestrians or obstacles — and blind spots or human error can lead to serious accidents.

Traditional camera systems may capture footage, but they don't actively intervene to prevent incidents in real-time.

Real-Time detection to help prevent accidents

Luis AI camera systems create safety zones around machinery, constantly detecting human presence with extremely high accuracy and instantly alerting operators — or shutting down systems automatically.

Luis AI improves situational awareness, reduces operator stress, and supports safer workplaces.





LUIS Edge AI Cam

Resolution

1920 x 1080 Pixel

Viewing angle

140° horizontal

Object detection on the camera

(Embedded) without additional ECU

Real-time person detection

(<120 ms) Individually customizable detection zones and warning mechanisms.

Operating temperature

-40°C to +85°C*

Protection class

IP6k9k (ISO 20653)

Mechanical shock resistance

500 m/s² at 6ms (to ISO 16750-3:2012)

Current consumption

max. 200 mA

Certifications

CE, ECE-R10, UKCA, FCC, REACH, RoHS

Dimensions

(LxWxH) 80 x 64.7 x 55 mm

Weight

500 g

Included

LUIS Edge AI Camera

Connector

8-pin. Adapter 5-pin and alarm trigger
Camera bracket.

Key Benefits of Luis Smart AI Cameras

Real-time pedestrian and vehicle detection

Built-in AI to accurately detect people and vehicles in real time, filtering out false triggers to maintain operator awareness and safety.

Works without transponders, tags, or special PPE

Detection is entirely camera based. There is no need for tags, transmitters, or high-vis gear, just accurate results with zero hassle.

Configurable Detection Zones – No Extra Hardware

Set custom safety zones with a Wi-Fi connection.

Adjust shape and size from a phone, no external units or complex setup required.

Triggers Alarms or Automatic Machine Shutdowns

When a person enters a detection zone, Luis AI can sound alarms and/or halt machine movement using built-in outputs.

Built for harsh conditions

Luis AI cameras are engineered shock, dust, and water resistant to IP69K, withstanding heat, cold, and vibration in mining, transport, and construction sites.

Luis AI Cameras vs Traditional Systems

Not all safety systems are the same. Here's how Luis AI compares to older technology.



Luis AI Camera



Traditional Camera

Detects humans and vehicles	✓	✗
Real-time edge processing	✓	✗
Detects without tags/transponders	✓	✗
Custom Warning Zones via browser	✓	✗
Works in harsh environments	✓	✗
Requires additional hardware	✗	✓