



Smart Surveillance at the Tactical Edge

Deploy AI-enabled smart surveillance systems at the edge to autonomously detect, classify, and respond to potential threats. These systems leverage machine learning models running on ruggedized edge servers to deliver actionable insights without relying on constant cloud connectivity.

Key Capabilities:

Military bases, embassies, transportation hubs, and remote outposts require persistent surveillance and real-time alerts.

- > **Real-Time Threat Detection** – Instantly identifies and categorizes movement, intrusions, or anomalies.
- > **Bandwidth Efficiency** – Processes video and audio locally, transmitting only relevant events.
- > **Scalable Architecture** – Supports expansion to hundreds of cameras or sensors across multiple zones.
- > **Operational in Disconnected Environments** – Fully functional in areas with limited or no connectivity.
- > **Force Multiplier Effect** – Reduces reliance on human monitors and guards, freeing them for active response.



Intro to Edge Computing

In today's fast-evolving landscape, the need for real-time data processing and actionable insights at the edge has become a critical priority for mission-critical operations. Odin's Edge, powered by Norseman Defense Technologies, is designed to address these demands by delivering scalable, high-performance computing solutions in ruggedized, portable environments. This solution brings unparalleled flexibility, enabling data-driven decisions at the tactical edge while ensuring robust security and seamless scalability.

Core Capabilities:

- > **Edge AI Model Inferencing** – Local execution of detection/classification models (e.g., people, vehicles, weapons).
- > **Sensor Fusion** – Integrates video, infrared, radar, and acoustic feeds into a unified threat picture.
- > **Anomaly Detection Engine** – Learns patterns over time and flags deviations from normal activity.
- > **Facial and License Plate Recognition** – Identifies persons of interest or flagged vehicles in real time.
- > **Event-Based Alerting and Logging** – Smart alerts to mobile units or command post with video snippets and metadata.