NORSEMAN
DEFENSE TECHNOLOGIES

Patient Monitoring at the Edge

Medical teams in field or underserved environments benefit from AI-driven edge solutions that track patient health and predict complications in real-time, even without access to hospital infrastructure.

Key Capabilities:

Combat medics or disaster relief teams deploy edge servers with connected biosensors to track patients. Alerts flag high-risk changes in vitals, prompting early intervention and improving survival rates.

- **Early Detection of Critical Events –** Alerts care teams to sepsis, cardiac arrest, or hypoxia conditions.
- **Autonomous Monitoring –** Reduces reliance on manual vital tracking, freeing personnel for hands-on care.
- **Portable and Resilient –** Designed for austere or mobile care environments.
- **Data Security and Compliance –** Meets HIPAA and DoD data protection standards, even offline.
- **Operational Continuity in Disasters –** Maintains patient tracking even in disconnected zones.

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:

- **Integration with Wearable and Stationary Sensors –** ECG, pulse oximetry, blood pressure, temp, etc.
- **AI Models for Anomaly Detection –** Identifies trends and predicts deterioration from multi-sensor inputs.
- **Local Data Storage and Analysis –** No need for cloud transmission to run diagnostics.
- **Encrypted Patient Records Sync –** Syncs securely to EHR systems when reconnected.
- **Modular Field Deployability –** Can be installed in tents, ambulances, or mobile medical units.

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