ThinkEdge

ThinkEdge SE70

Activate the edge of your imagination.

The power of edge computing takes your enterprise from data to insights faster than ever. Deploying compute technology right where things and people connect with the network, edge computing delivers the speed and agility required in the modern marketplace.

The new ThinkEdge® SE70 provides enterprise-changing AI and ComputerVision applications that are constrained only by your imagination. With best-in-class engineering, reliability, and scalability, the ThinkEdge SE70 transforms existing camera infrastructure into intelligent automated environments ideal for every industry.

Around 10% of enterprise-generated data is created and processed outside a traditional centralized data center or cloud. By 2025, Gartner predicts this figure will reach 75%.

Rob van der Meulen, "What Edge Computing Means for Infrastructure and Operations Leaders," Gartner.com, October 2018

- Bring machine learning (ML) to on-premises cameras to get fast and accurate insights.

- Automate industrial, manufacturing, and retail tasks that previously required costly manpower.

- Connect multiple camera streams and run several ML models per stream.

- Collect the right data and keep it securely on hand for greater efficiency and insights.

- Enable optimized security, analytics, manufacturing, and safety with edge computing powered by AWS Panorama SDK and NVIDIA Jetson Xavier NX.

Smarter technology for all   **Lenovo**

Get the edge—and envision the future of your enterprise.

ThinkEdge SE70 delivers ComputerVision applications that can change your business for the better.

SMART RETAIL

- **Self-checkout**—Cut shrinkage and errors with cameras that detect unscanned items.
- **Inventory**—Reduce costly overstocks and stockouts with real-time inventory tracking.
- **Health and safety**—Improve safety with smart cameras that monitor in-store conditions.
- **Merchandising**—Enhance store layouts with data-driven traffic flow analysis.

SMART HEALTHCARE

- **Security**—Control access to restricted areas.
- **Staffing**—Assess staff resource utilization and scheduling.
- **Visitor management**—Enhance check-in procedures.
- **Safety**—Ensure best practices for a sterile working environment.
- **Equipment integration**—Improve medical equipment integration and remote monitoring.

SMART MANUFACTURING

- **Security**—Monitor entrances and floor.
- **Efficiency**—Implement sensors for better line speed.
- **Safety**—Enable safety and shutdown alerts.
- **Productivity**—Integrate AI/ML for productivity and predictive maintenance.
- **Inventory**—Monitor inventories and automated replenishment.
- **Quality control**—Improve and automate inspection process.

ThinkEdge SE70 Highlights

FLEXIBILITY
Configure to order based on your AI/CV needs with no MOQ

CONNECTIVITY
Highest network speed with Jetson Xavier NX performance

INDUSTRIAL IO SUPPORT
Widest coverage on serial, CAN bus, DIO

EXPANDABILITY
Flexible IO options adapting into different verticals

MULTI-CAMERA VIDEO INPUT
Maximize ComputerVision capabilities with 8 POE

POWER INPUT
Widest DC input range, ideal for manufacturing*

RELIABILITY
Extended temperature range (-20+60C) and IP51 rating

AWS CAPABILITIES
Panorama SDK for activity recognition and detection

THINKSHIELD SECURITY
Intrinsic security for end-to-end defense, from manufacturing and platform security to data protection and device management

*AC option available