

Transform Video Into Smart Transportation Data

Nx Go



Nx Go is a transportation-focused visual infrastructure platform that turns camera networks and sensors into real-time, structured data, transforming unstructured video into a universal data source. It integrates seamlessly with traffic systems, digital twins, and AI to enable smarter, faster transportation management at scale.

Developed by Network Optix and powered by the Nx Enterprise Video Operating System (Nx EVOS), Nx Go connects to existing camera networks and systems to deliver structured, real-time intelligence, enabling smart cities and transportation agencies to operate more efficiently, respond faster, and make better decisions.

NxGo, has been deployed on Supermicro's mini-1U embedded system SYS-E300-14AR, configured with an Intel® Core™ Ultra processor (Series 2). This low-profile system is ideal for network edge deployments enabling real-time analytics and proactive decision making for applications like NxGo. This system is air cooled supporting up to 65W TDP and has been qualified via Intel® Edge System Qualification (Intel® ESQ) process.

***Built for
transport, Nx Go
turns video into
data that drives
real-time
decision-
making.***

Intel Products & Technologies Accelerating AI and analytics at the edge



Intel® Xeon®
Scalable Processors



Intel® Core™
Processors



Intel Atom®
Processors



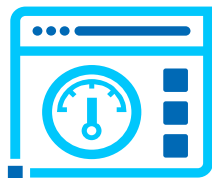
OpenVINO™
toolkit

Key Intel-Enabled Features

Real-Time AI and analytics make it easy



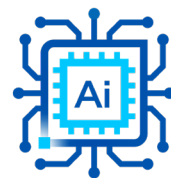
Unified
Sensor Data



Real-Time
Insights



Scalable &
Easy to Use



Open AI
Deployment

Powered by Intel processors and optimized with the OpenVINO toolkit, Supermicro and Network Optix deliver:

01



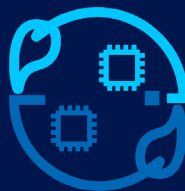
High-throughput
processing

02



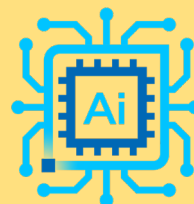
Accelerated video
decode and analysis

03



Low-power
compute

04



Optimized AI
inference across
devices

That's the power of Intel Inside.

Country/Geo:

North America

Verticals:

Enterprise
Government
Transportation

Use Cases:

Commercial/Enterprise,
Productivity and Accessibility,
Manageability, Logistics &
Tracking, Situational Monitoring

About Supermicro

Supermicro is a global technology leader committed to delivering first-to-market innovation for Enterprise, Cloud, AI, Metaverse, and 5G Telco/Edge IT Infrastructure. A Rack-Scale Total IT Solutions provider that designs and builds an environmentally-friendly and energy-saving portfolio of servers, storage systems, switches, software, along with global support services.

[Supermicro Data Center Server, Blade, Data Storage, AI System](#)

About Network Optix

Network Optix is at the forefront of video software innovation, developing sophisticated solutions that convert video data into practical insights for businesses and industries of all kinds.

[Network Optix: Build Intelligent Video Solutions](#)

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