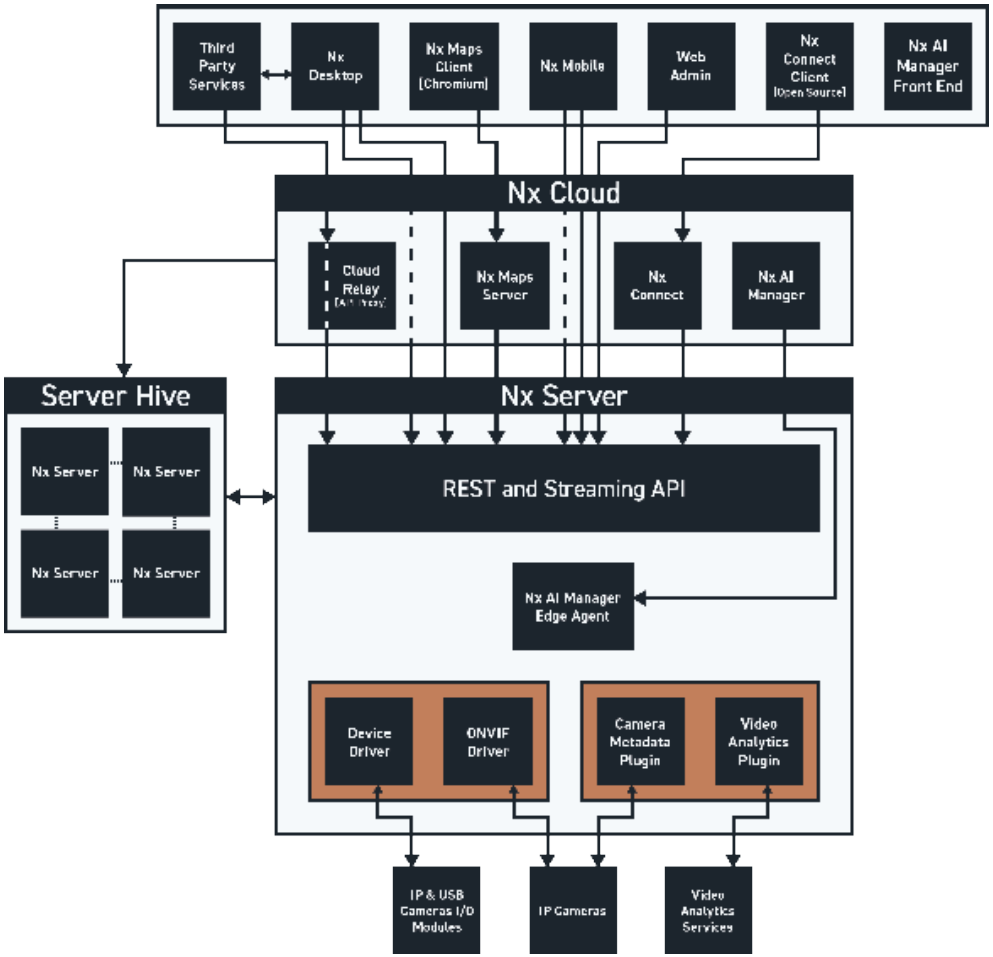


Nx Go

Scan for More Information and Free POC Trial ↓

Nx Go

Nx Go is an award-winning video infrastructure software solution tailored specifically to the transportation industry and smart mobility within smart cities. It aggregates and processes video, lidar, and sensor data, transforming these data streams into actionable insights that enable city managers to optimize traffic flow, enhance public safety, and improve connectivity across urban environments.

Real-World Applications for Nx Go

Traffic Management:
Optimize urban traffic flow with real-time data from cameras and sensors across highways, intersections, and main roads, providing an integrated view for proactive decision-making.

Airport Operations:
Streamline airport security and operational workflows by connecting cameras and LiDAR for baggage tracking, passenger flow monitoring, and perimeter security, all within a single platform.

Shipping and Ports:
Enhance port efficiency at scale by automating container tracking through OCR and coordinating transport flow from harbor to warehouse with integrated video and sensor insights.

Rail and Mass Transit:
Ensure the safety and efficiency of rail systems by managing platform flow, station security, and on-route monitoring through a robust network of stationary and mobile cameras.

Integrate and Manage At Scale
Nx Go seamlessly integrates with over 40,000 cameras and LiDAR systems, bringing them into a simple, unified plaform for viewing, managing, and data extraction.

Enhanced Capabilities with Nx Maps
Nx Go now offers rich 3D native maps, allowing you to place devices, instantly view, configure, and manage them in real time.

OEM Customization
Make Nx Go your own. Our platform can be customized and branded to fit your specific needs, ensuring a seamless integration into your existing infrastructure.

Proven and Trusted
Built on Network Optix's decade and a half of experience with award winning open-source UI and video operating systems, Nx Go is deployed and trusted by some of the worlds largest companies, managing over 4.1 million devices globally.

for more information ↘ www.Networkoptix.com

Paving the Way for Better Transportation Management

Unlimited Scalability

Nx Go is designed to grow with your needs, whether you're managing a single station or an entire city's network. It scales effortlessly, handling unlimited users, video channels, and devices without performance loss or complex reconfiguration. With Nx Go, your infrastructure is always ready for future growth.

AI at any Scale

With Nx Go, AI can be deployed across tens of thousands of endpoints, supported by all popular GPUs and accelerators. This allows for real-time, AI-driven insights from video data, helping to optimize operations like traffic flow, safety monitoring, and system efficiency on a massive scale.

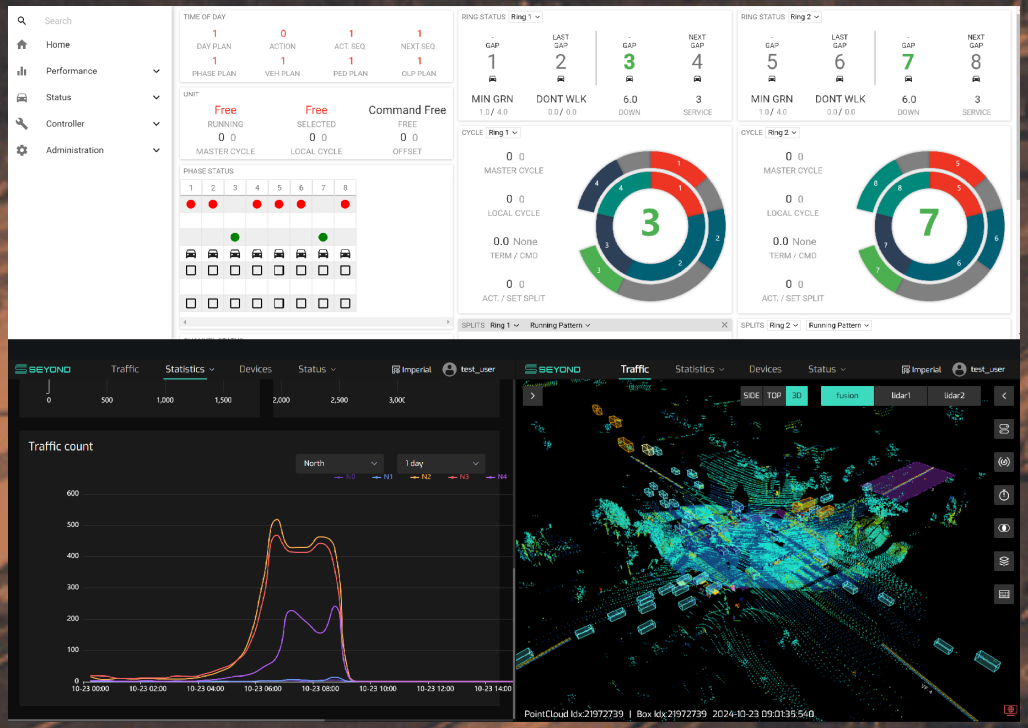
2D/3D Mapping Included with Nx Maps

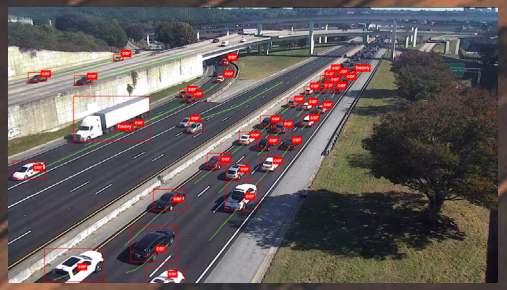
Nx Go, in combination with Nx Maps, delivers advanced 3D mapping for all IP-based assets like cameras, lidars, and sensors. This feature provides a detailed, comprehensive view of your entire transportation infrastructure, making it easier to manage and make informed, real-time decisions.

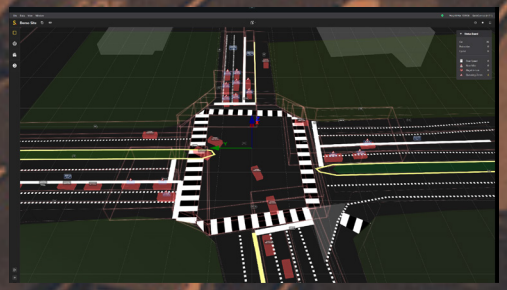
Real-time Data Extraction

Nx Go transforms underutilized video channels into a rich source of real-time, actionable data. Whether for traffic control, incident detection, or predictive maintenance, this valuable data improves decision-making and operational efficiency, leading to safer and smarter transportation systems.

Trusted by leaders all over the Globe
With over 4.5 million cameras managed across 150 countries, Network Optix is trusted by transportation leaders worldwide. Nx Go builds on this legacy, providing the same award-winning video management capabilities, but tailored for modern transportation networks and intelligent mobility solutions.







Network Optix has officially implemented its Nx Go traffic management system within the 'IoT Control Room' at Curiosity Lab at Peachtree Corners. This deployment signifies the inaugural full-scale use of Nx Go in the United States since its official launch in April 2024.

The IoT Control Room showcases a comprehensive array of screens that utilize Nx Go to amalgamate footage from traffic cameras with data collected from Lidar and various other sensors along the smart roadway infrastructure. This system is integral to the Lab's 5G-enabled testing environment in Metro Atlanta, Georgia, which accommodates both autonomous vehicles and traditional traffic alongside pedestrian zones.

"Our IoT Control Room has been a model for how other smart cities across the world can aggregate massive amounts of data from sensors across connected infrastructure into the future.", stated Brandon Branham, Executive Director of Curiosity Lab.

Network Optix describes Nx Go as an advanced software solution that consolidates inputs from a diverse range of devices into a single, efficient network. This capability is crucial in Peachtree Corners, which utilizes C-V2X technology embedded in its infrastructure - ranging from traffic lights and pedestrian crossings to building integrations - to enable seamless interactions among connected and autonomous vehicles and pedestrians.

Marc Faubert, the Director of Mobility Platform Business Development at Network Optix, shared his excitement about the project: "Our partnership with Peachtree Corners, a frontrunner in smart city innovation, provides a unique opportunity to display our comprehensive range of Nx Go technologies. This site is unique in demonstrating the extensive sensor and Lidar implementations we've integrated into a fully functional smart city framework."

Case Study:

Curiosity Lab IoT Control Room