Regardless of how much effort transportation agencies, planners, and engineers put into crafting a well-optimised road network, its flow can come to a grinding halt in one place - a congested or unsafe intersection.

To smoothly regulate vehicle flow at the whole segment of the road cities rely on Advanced Traffic Management Systems (ATMS). These systems live by data, the more recent, the better.

Get the most up-to-date data with **GoodVision Traffic Controller:** an AI-based monitoring solution that delivers records from intersections straight to traffic control centres and provide data directly to the traffic lights controller, continuously and in real-time.

A single solution to untangle all intersections

COMPATIBLE WITH TRAFFIC INFRASTRUCTURE AND SOFTWARE

Traffic Controller is fully compatible with existing traffic cameras, third-party video management systems, traffic control interfaces, and other GoodVision solutions.

RELIABLE AND ACCURATE IN ANY CONDITIONS

The solution ensures reliable monitoring in various conditions, enhancing the overall efficiency of traffic management.

CAPTURES GRANULAR TRAFFIC DATA

The AI-boosted algorithm automatically records traffic volumes across turns and all traffic directions, queue lengths, zone occupancy, and object classes.

Get the data for complete control *in one place*

Data captured by Traffic Controller are available in a centralised interface for faster, data-driven decision-making.

✅ **Live Traffic Dashboards**
View traffic volumes and other performance metrics in real-time.

✅ **On-Demand User Reports**
Generate tabular or visual map reports.

✅ **Periodic Live Reports**
Get regular, configurable traffic reports in tabular and JSON formats.

✅ **Historical Data Analysis**
Predict potential issues and optimise traffic management based on historical data.

✅ **Data Recording**
Store traffic data for post-incident analysis, reporting, and future traffic planning.

✅ **Live Alerts**
Receive user-set notifications about road events and react to changing conditions instantly.

✅ **Camera Feeds**
Continuously track live video streams from all selected locations.

At a crossroads with congested intersections?
Let's talk about it!

Control, count, plan

✅ **Real-Time Intelligent Traffic Control:** Use real-time traffic data to dynamically manage traffic signals and flow, significantly improving intersection efficiency and reducing congestion.

✅ **Traffic Volume Counting:** Record vehicle counts for fact-based traffic analysis and management.

✅ **Data-Driven Planning:** Leverage collected data for infrastructure development planning to optimise road networks and minimise future traffic congestion.

Who is it for?

Traffic Control Systems Provider offers enhanced capabilities for managing and optimising traffic flow.

ITS Integration: seamlessly connect it with existing Intelligent Transportation Systems for comprehensive traffic management solutions.

Cities and Municipalities can use it as a dependable traffic data provider, enhancing traffic control and planning.

Technical requirements:

» IP camera
» Processing unit

- Server for in-house deployment (all major vendors)
- Embedded device for on-site deployment

» Active account at my.goodvisionlive.com for configuration, management and reporting.
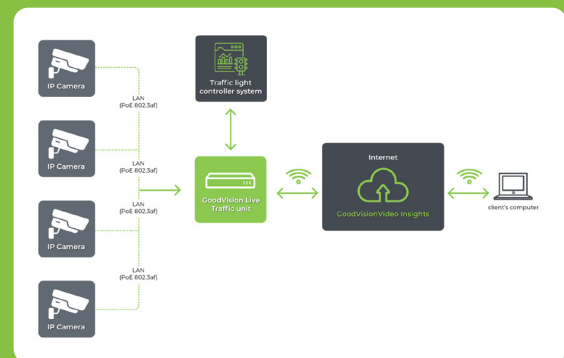
Video analysis is performed solely on the edge device/server. Traffic reports, events and metrics are transferred to the GoodVision platform.

On-site devices do not store any video or other personal data. This prevents data breaches in case of unauthorised access or intrusion.

Recommended devices for on-site deployment:

Up to 4 camera streams: Lanner EAI-I130B	Up to 16 camera streams: Lanner LEC-2290E
NVIDIA Jetson Xavier NX	Intel Core i7-9700, NVIDIA Tesla A2
16GB LPDDR4 memory, 16GB eMMC storage	32GB DDR4 RAM, mSATA 128GB
2x GigE Poe LANs, 5G/LTE	+ 2.5" SSD 256GB
cellular network connection	2x GbE LAN + 4x GbE PoE LAN
WiFi connection (802.11 a/b/g/n)	Extensions: 5G/LTE cellular network connection, WiFi connection (802.11 a/b/g/n)

Get in touch

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