

During peak times, standard detection and evaluation methods are too slow to keep up on highways. Overwhelmed TMC operators are forced to focus only on the highest-priority incidents while many others go unnoticed or aren't addressed on time.

The solution? **GoodVision Automated Incident Detection (AID)**: an AI-based, real-time video analytics solution created to help traffic operators track, analyse, predict and immediately react to road events.



REAL-TIME INCIDENT DETECTION

Instantly identifies: •Driving on shoulder •Stalled vehicle on the road or shoulder •Person on the road •Wrong-way driving •Isolated or propagating congestion



AUTOMATIC ALERTING

Sends automated alerts to relevant services, ensuring rapid awareness and response.



IN-DEPTH TRAFFIC ANALYSIS

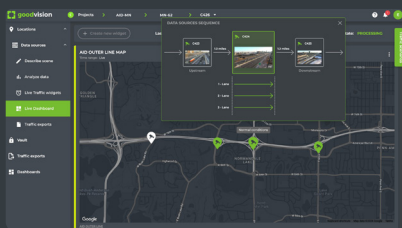
Analyse traffic flow, volume, and patterns, detecting deviations like congestion or sudden slowdowns.



CENTRALISED USER INTERFACE

Monitor alerts, browse and generate reports, view camera feeds, and manage incident responses, all in one place.

All-In-One Platform for Automated Incident Detection and Analysis



✓ Compatible with existing infrastructure

GV AID can easily connect to camera systems and magnetic loops.

✓ Fit for all types of traffic

The algorithm can distinguish between vehicle classes and motorised and non-motorised traffic.

✓ Customisable to your needs

Define event trigger criteria and parameters such as direction, lane, vehicle class, and more.

✓ Complex road scenarios

Chain multiple events to create specific road scenarios for GV AID to record.

✓ Real-time incident detection

GV AID recognises user-defined traffic events, flags them, and reports them to TMC controllers.

✓ Future-proof

GV AID is an open system that allows for future extensions, upgrades, and new feature adds.

✓ Automated number plate recognition

If needed, GV AID can recognise number plates for vehicle identification.

✓ Works in all conditions

Come rain or shine, GV AID recognises camera movements and occlusion, preventing detection errors and false alarms.

✓ All systems under one roof

GV AID integrates with third-party systems and other GoodVision products, creating a one-in-all traffic control platform.





✓ Easily scalable

GV AID is suitable for small - and large-scale traffic projects. New sensors can be added seamlessly.




Curious to hear how GoodVision can AID your prompt incident detection? **Let's talk about it!**



Your AID in traffic monitoring

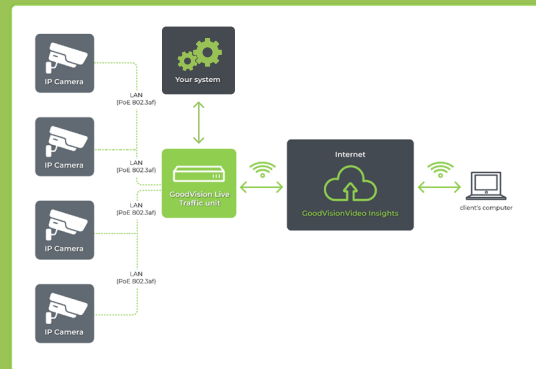
-  **Congestion Detection:** Identifies areas of high traffic density, helping to manage and avoid congestion.
-  **Traffic Monitoring and Reporting:** Continuously records traffic patterns and volumes and compiles them into reports for further analysis.
-  **Incident Impact Analysis:** Understand the impact of incidents on traffic flow, enabling optimal rerouting.
-  **Data-Driven Planning:** Supplies valuable data for urban planning and infrastructure development.

Your AID in traffic safety

-  **Instant Incident Alerts:** Quickly identifies road events and incidents, enabling timely response.
-  **Emergency Service Coordination:** Accelerates the deployment of emergency responders.
-  **Secondary Accident Prevention:** Alerts traffic management and nearby drivers about incidents, preventing further accidents.

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 local 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

NVIDIA Jetson Xavier NX
16GB LPDDR4 memory, 16GB eMMC storage
2x GigE Poe LANs, 5G/LTE
cellular network connection
WiFi connection (802.11 a/b/g/n)

Up to 16 camera streams: Lanner LEC-2290E

Intel Core i7-9700, NVIDIA Tesla A2
32GB DDR4 RAM, mSATA 128GB
+ 2.5" SSD 256GB
2x GbE LAN + 4x GbE PoE LAN
Extensions: 5G/LTE cellular network connection, WiFi connection (802.11 a/b/g/n)