Real-time Traffic Video Analytics

Everything You Need For Traffic Data Analytics In One Place

Real-time traffic video analytics, built on IoT and AI, allow for the collection and analysis of data to improve day-to-day traffic management, enabling a wide range of advanced applications, such as traffic flow analysis, smart traffic management, and violation detection, and assisting cities adapt for long-term sustainable transportation needs.

Lanner collaborates with GoodVision to provide a complete solution that features Lanner rugged edge AI appliances and GoodVision AI engine. Compatible with existing IP camera, the real-time Traffic Video Analytics solution is designed for analyzing camera streams on the fly, providing traffic monitoring and real-time event detection on roads and junctions.
GoodVision Live Traffic

With GoodVision you can monitor traffic 24/7 and adjust traffic controllers in real-time with the most precise traffic data ever. Obtain just-in-time data about traffic volumes, vehicle events and violations. GoodVision’s live traffic analytics converts your road-side cameras to an ultimate traffic control system!

- Connect to your existing traffic cameras
- Deploy to your road-side sensors
- Receive real-time traffic events and alerts

Standard traffic object classes supported
*Additional classes customizable
Traffic object presence
Traffic volume counts, peak
Speed estimation, avg. speed, travel time
Saturation flows
Vehicle gaps, tailgating
Queue length and occupancy time
Stopped vehicle detection

Illegal turn, U-turn, illegal lane change detection
Illegal parking, curb occupancy
Speeding violation
Signal phase recognition, red-light violation
Vehicle/pedestrian collision points
Licence plate recognition
Vehicle model recognition
Data reports such as Traffic movement count, Vehicle list, O-D Matrix, Peak hours, Saturation flows, Visual data heatmaps

Lanner Edge AI Appliance
EAI-II30B-CV1

- NVIDIA Jetson Xavier NX
- 16GB RAM / 16GB eMMC
- 2x PoE, 1x COM, 1x CAN
- M.2 for 5G Sub6 and WiFi
- 150W 12VDC Power adapter
- GVLT SW pre-loaded with Jetpack 4.6.0

Lanner Edge AI Appliance
LEC-2290E-CV2

- Intel Core i7-8700 Processor
- 32GB RAM / mSATA 128GB
- 2.5x256GB SSD Storage
- Nvidia A2 GPU
- GVLT SW Pre-loaded
- 240W AC/DC Adapter

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