

Lanner

REAL-TIME ROAD TRAFFIC VIDEO ANALYSIS



Dynamic control

- Vehicle presence
- Speed data, level of service
- Queue length / occupancy
- Gap - time & space, ETA

Traffic violations

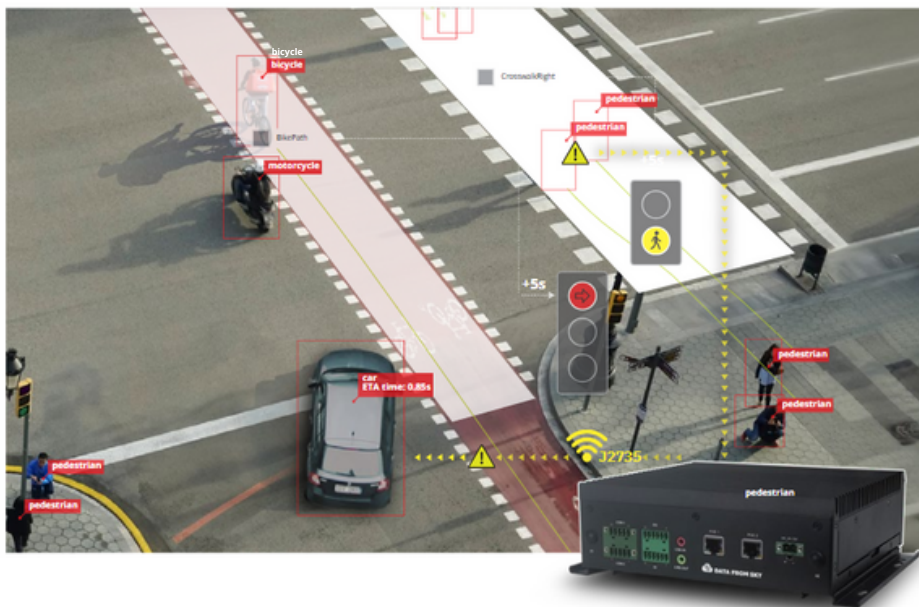
- U-turn detection
- Wrong-way detection
- Illegal lane change
- Red-light violation

Vulnerable road user protection

- Pedestrian/cyclist presence
- Conflict detections
- Jaywalking
- Personal safety messages

Lanner collaborates with Data From Sky to deliver an advanced real-time traffic video analytics solution, enabling dynamic traffic light control and comprehensive data collection from IP cameras.

Powered by the NVIDIA Jetson Orin NX, Lanner's EAI-I131 Edge AI computer runs Data From Sky's AI-driven detection and tracking algorithms, transforming any video stream into high-quality trajectory data for road users. This powerful system supports real-time analysis from up to six connected cameras, covering an operating range of over 80 meters. At its core, the highly optimized and fully configurable trajectory processing engine evaluates multiple detection tasks simultaneously within each camera's field of view, ensuring unparalleled accuracy and efficiency in traffic monitoring and management.



EAI-I131 Industrial-grade Edge AI Computer



- NVIDIA® Jetson Orin NX/Nano up to 100TOPS
- 2x PoE+ 2x USB, 1x HDMI, 2x COM
- -40°C~70°C Operating Temperature
- M.2 Slots For 4G LTE/ 5G Sub6 & WiFi

