

ASURA PARKING PATROL

Autonomous Parking Enforcement. Smarter Cities.



THE CHALLENGE

Urban environments face increasing pressure to manage parking efficiently and fairly. Manual inspections are slow, resource-intensive, and prone to error.

There is a clear need for a **vehicle-independent, automated solution** that can scale with city growth and deliver **real-time, high-accuracy enforcement** 24 hours a day, even in complex traffic conditions with on-street parking.



THE SOLUTION

The **ASURA Parking Patrol** is a mobile, AI-powered enforcement unit designed to verify parking compliance autonomously. Mounted on almost any modern passenger vehicle, it uses advanced License Plate Recognition and GPS precision to monitor parked cars with unmatched efficiency.

This system can inspect **up to 50x more vehicles** than manual patrols, all while operating automatically. Output may be remotely monitored via tablet.



CORE CAPABILITIES

360° License Plate Recognition

- Four high-resolution cameras mounted on the vehicle roof
- Real-time ALPR
- Reads plates from all angles, even when parked at irregular positions

Precision Location Tracking

- GPS-based zone identification with centimeter-level accuracy
- Connects to paid zone and restricted area detection extensions

Autonomous Operation

- Fully vehicle-independent, only needs access to power battery
- Operates automatically as the driver maneuvers the vehicle
- Monitoring activity access via tablet

Traffic Data Collection

- Parking data can be repurposed for traffic flow analysis and urban planning

KEY FEATURES

- ✓ Operates in extreme temperatures: **-30°C to +60°C**
- ✓ 4K cameras with infrared night vision
- ✓ Real-time encrypted data transmission via 4G/LTE
- ✓ IP67-rated for dust and water resistance
- ✓ Easy installation: just mount the roof unit and connect to power
- ✓ Scalable for large urban deployments

WHAT SETS IT APART?

ASURA Parking Patrol stands out as one of the **few comprehensive mobile enforcement systems** on the market; with no competitors in the Central-European region.

Its **AI-driven automation, high-speed inspection, and integration-ready architecture** make it a game-changer for municipalities seeking smarter, more efficient parking control.

