



Intelligent Light Control System

## Urban Monitoring, Simplified.

Traffic, air quality and noise analytics in one compact, battery-powered device.



# What it does and why it matters

*One device. Three analyses. Real urban insight.*

## Traffic

*Privacy-friendly, real-world traffic data*

- Vehicle counting and traffic flow analysis
- Radar-based detection (no cameras, GDPR-friendly)
- Configurable range, speed and precision

## Air Quality

*Environmental data where people live*

- PM1.0, PM2.5, PM4.0, PM10
- Temperature and humidity
- Pollution trends correlated with traffic data

## Noise Pollution

*Objective data for informed decisions*

- Continuous sound level monitoring
- Identification of critical zones and time bands
- Data-driven support for mitigation policies

*SensorBox transforms everyday urban infrastructure into a source of objective insight for traffic, environment and noise monitoring.*



# How it works

*Designed for fast deployment and low operational cost*

## Installation & Power

SensorBox is installed on existing poles or street furniture, with no civil works required. It operates on battery during daytime and supports AC, DC or solar power, with an internal rechargeable battery ensuring service continuity.

## Connectivity

Integrated eSIM connectivity provides worldwide coverage with secure, encrypted data transmission, eliminating the need for local gateways or local infrastructure.

## Data & Visualization

All data is available through a dedicated web portal featuring real-time dashboards, interactive maps, historical analysis and export tools for reporting and regulatory compliance.

## SensorBox at a glance

<i>Feature</i>	<i>Description</i>
<i>Monitoring</i>	Traffic, air quality, noise
<i>Installation</i>	Pole-mounted, no civil works
<i>Power</i>	Battery, AC, DC, solar
<i>Connectivity</i>	Integrated eSIM, global
<i>Data access</i>	Web portal, maps, dashboards
<i>Deployment</i>	Permanent or temporary
<i>Costs</i>	Low operational costs

