Smart City Micro-Sensing Solutions
for today and tomorrow
SmartLinx

SLX-Particle Micro-Sensor Air Quality Monitor

Micro-Sensor Suite

Our SmartLinx solutions can provide video surveillance, real-time speed enforcement and roadway safety programming; high accuracy counting and classifications of bicycles, pedestrians, and vehicles at a mid-block street location; increased energy efficiency from optimized public lighting schedules; and overall improved city planning wherever public streetlights are located.

SLX-SPEED MICRO-SENSOR *Speed Sensing*

The speed sensor provides traditional speed metrics such as:
- Average speed
- 85th percentage
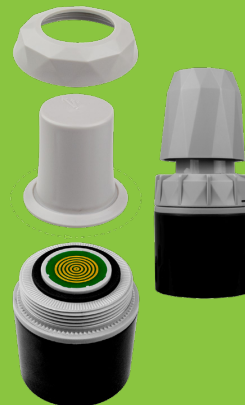
SLX-NOISE MICRO-SENSOR *Noise Sensing (Acoustic)*

The noise sensor provides sensing and reporting of the following noise levels:
- Average LEQ
- Min and Max LEQ

SLX-PARTICLE MICRO-SENSOR *Air Quality (Particulates)*

The particulate matter sensor provides measurement of airborne particulates in the following sizes:

- PM10

- PM2.5

SLX-PARTICLE MICRO-SENSOR *Air Quality (Gas)*

The gas sensors can detect either:

- Nitrogen Dioxide(N02)

- Sulfur Dioxide (S02)

- Ozone (03)

SLX-VIDEO MICRO-SENSOR *Video Recording*

The video sensor records up to 14 days of continuous video locally on the device, which can be retrieved on demand in the event of an accident or incident. Signage is also available for preventative programs

SLX-COUNTER MICRO-SENSOR *Video Counter*

The video counter allows for video retrieval paired with video analysis services for traffic studies. Over The Air (OTA) upgrade in the future will allow for detection at the edge, with no video upload required

Why the best micro-sensing tool?

Plug & Play Design

Streetlights have a global, standardized NEMA socket. Our micro-sensors fit on this standard socket, which allows the sensors to connect on any streetlight globally.

+ **Durability**

+ **Compact size**

+ **Installation is under 2 minutes.**

+ **Privacy-Friendly**

+ **Site selection support**

+ **Automated reports**

+ **Support and lifetime warranty**

+ **Affordable video surveillance wherever public streetlights are located.**

Liveable Cities

ROADSYS