

SMARTEYE

Brighten up the city.

SmartEye is a distributed system of optical sensors which are installed on street lamps to reduce the energy consumption for public lighting and to provide interactive services for Smart City.

Thanks to the AI brain of the sensors it is possible to reach on average 80% of energy savings by adapting the lighting level of the road according to its real status, in terms of weather conditions, driving visibility and traffic flow.





Product specifications

- Up to 49% of Energy Savings
- Just Power Plug & Play
- Easy and Fast installation
- On board city scene analysis
- Multifunctional
- Scalable: Lighting, Advanced & Ultimate
- Day & Night mode operation
- Fully compliant with privacy regulation
- Dual band wireless communication

- Data provided up to every 60s
- Sensor Network remote control
- 24h Autonomous City Analysis
- Fully configurable
- No need for cabling on the road
- Low power consumption
- Fault tolerance
- Vibration reduction
- Different Sensor Network topology

- On Request
- Storage up to 32 GB
 - Data On Demand
 - Different FOV
 - Remote Alert System
 - Video Surveillance

Configuration features

- Easy configuration by means of a tablet device
- Real time road scene view
- Customizable ROI (region of interest)
- Direct WiFi access
- User friendly interface

Remote control feature

- Direct control on road map
- Sensor remote control
- Data management in real time
- Remote network configuration
- Standard data representation
- Interface with remote lighting control
- Short & Mid term adaptive lighting prediction

Operating conditions

- Pressure compensation
- Temperature: -20°C to +80°C
- Relative Humidity: 10% to 90%
- Rain: up to 5mm/hour

Dimensions

- Weight: 1.8 Kg
- Dimension: 286mm x 135mm x 158mm

Interfaces

- RJ45
- SD Card 32 GB

Power

- 12VDC
- Min power 5W, Max power 8W

Installation

- Min height: 6mt
- Vertical tilt: from 0° to 80°
- Horizontal pan: from 0° to 180°
- Max LOS distance: 4Km
- Max NLOS distance: 550m

Wireless Communication

- Intra network: 868MHz, 2.4GHz
- Extra network: 3G/LTE

Antennas

- 2Dbi to 5Dbi, wireless network
- 3Dbi, LTE network

Certifications

- IP66
- CE

Country of origin

- Italy

