

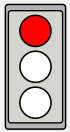
# RED LIGHT

SMARTSENSOR LINE

LECTOR VISION



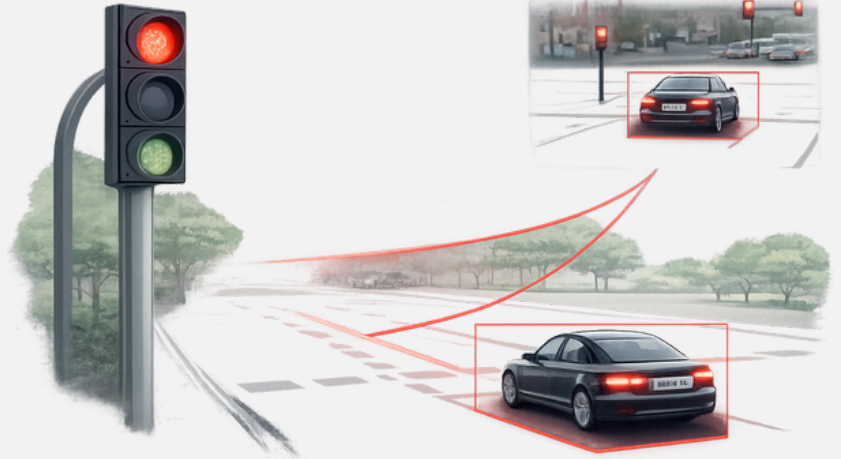
Multiple lanes



Connection with traffic light



Comprehensive evidence package



ANPR

SMARTSENSOR

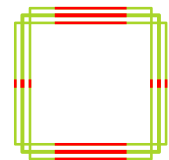
**Red Light** is a solution for detecting and documenting red-light violations at urban intersections. It automatically captures the required evidence and sends a violation case to the back office for validation and case management, ensuring a clear and traceable workflow.



**Automated sanction proposal sent to the backoffice for acceptance /processing.**



**Comprehensive evidence for each violation: image sequence before/during/after the crossing and video generation.**



**24/7 operation in dense traffic and challenging lighting conditions thanks to IR technology.**

# SmartSensor

## Technical details

LECTOR VISION



**SmartSensor Red Light** simplifies red-light enforcement by concentrating detection and evidence capture into a single system, reducing installation complexity and streamlining the handover to the backoffice.

**This product is part of the SmartSensor line.**

*Reliable design. Efficient implementation.*

## ADVANTAGES

- No external trigger required.
- It can operate with or without a physical connection to the traffic light.
- Automatically generates and sends the sanction proposal to the backoffice for acceptance and management.
- Multi-lane and multi-approach coverage with a single system.
- High-speed detection.
- NTP time synchronisation.
- The system sends both traffic detections and red light violations.

### Features

- B/W camera: CMOS, global shutter, 2560×1936 px, 1/1.8".
- Colour camera: CMOS, global shutter, 2560×1936 px, 1/1.8", IR-corrected.
- IR LED array, pulsed & synchronised, integrated power stage.
- Embedded processor with FPGA for high speed and accurate processing.
- Housing IP68 – IK10; operating temperature -40 °C to 60 °C.
- Power PoE ++, 18–75 VDC, 30 W.

### All-in-one system

- **All integrated:** capture + IR + control + FPGA + communications + software in a single device.
- **Easier** maintenance and spare parts stock **management**.
- Requires a lighter communications **network**.
- **Point-to-point growth** without modifying control-centre hardware.
- **Offline** operating capability.