RED LIGHT

TRAFFIC EYE

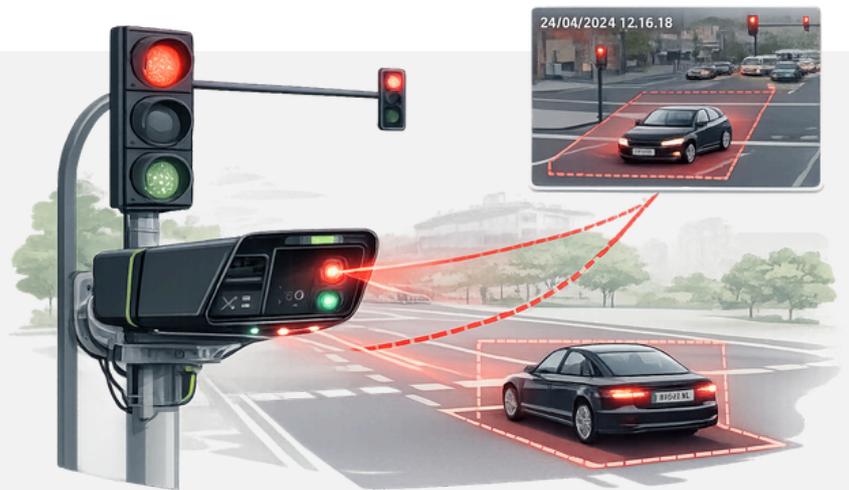**LECTOR VISION**
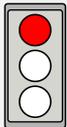
- 🚗 Multiple lanes
- 🚦 Connection with traffic light
- 📈 Complete evidence package

24/04/2024 12.16.18

ANPR

SMARTSENSOR

Traffic EYE Red Light is a solution to detect and document red-light violations in urban intersections. It automatically captures the required evidence and sends a sanction proposal to the backoffice for validation and case management, keeping the workflow clear and traceable.

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

Strong evidence per violation: image sequence before/during/after the crossing and optional video generation.
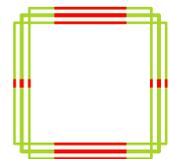
24/7 operation with dense traffic and challenging light conditions thanks to IR.

RED LIGHT
Technical details

LECTOR VISION

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.

- No inductive loops required (loops can be added if required by the project).
- Can operate without physical connection to the traffic light (connection available if needed).

- 2-way / 2-lane coverage with a single system.
- Flexible communications: cable, fibre, GPRS, 3G/4G.
- High-speed detection with GPS synchronisation.

ADVANTAGES

Features

- B/W camera: CMOS, global shutter, 1936×1216 px, 1/1.2", programmable.
- Colour camera: CMOS, global shutter, 2046×2046 px, 1", IR-corrected.
- IR: IR LED array, pulsed & synchronised, integrated power stage, 940 nm, up to 35 m.
- Computing: Intel Quad-Core, 8 GB, SSD (extended temperature range).
- Ruggedness: sealed housing IP68 – IK10; operating temperature -40 ºC to 60 ºC.
- Power & comms: 48–12 VDC, 40 W, Gigabit Ethernet, 9-pin connector.

All in one system

- All-in-one unit with embedded computing to enforce red-light for two lanes.
- In green it runs as ANPR for backoffice analytics; in red it captures the violation and generates the sanction proposal.
- Only power supply required as the base installation requirement for the all-in-one unit.
- Automatically generates and sends the sanction proposal to the backoffice for acceptance and management.

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