

Red Light EDS

Electronic Detection Systems

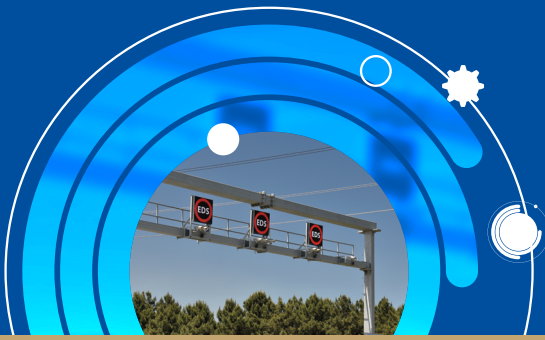
It is the system by which the red light violation is detected at signalized intersections. The system automatically detects red light violations at the points where it is installed and creates digital evidence of the violation moment. With the high sensitivity and high resolution cameras used in the system, the details of the violation are clearly taken even in poor light conditions.

Running on automatic license plate recognition, the system can detect plates with the highest success rate in the industry by its image processing technology. In this way, a high measurement accuracy rate is obtained.

GENERAL FEATURES

- Automatic license plate recognition at 95% success rate
- 3 high quality photographs (1 high resolution) for each violation and all details of the violation (district, date and time, device serial number, intersection ID and name, software version, proof number, license plate, vehicle direction, etc.)
- 24/7 local video recording with high resolution camera
- Specific security signature on violation photos
- Ability to take colored pictures in poor light conditions with the support of infrared spot lighting
- Optional camera technology (GIGE, DSLR)
- With its smart software, warning mechanism for multiple vehicles passing in the same period (ambulance, vehicles giving the right of way for fire brigade, etc.)
- KGYS compliance in evidence transmitted from the field to the center
- Ability to create a schedule for more than one system with its grouping feature
- Integration with other systems with modular software and hardware architecture
- Easy to install and transport with compact, modular and light body





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TECHNICAL SPECIFICATIONS

Proof pack	3 photographs (1 high resolution) of violation, 3 different image, video recording before and after violation
Night color photo	√
Camera technology	GIGE or DSLR
Material, casing	Aluminum cabin and stainless-steel construction steel
Detection and measurement technology	Magnetic loop, 3D radar or virtual loop
License plate recognition success	95%
Protection class	IP65
Temperature range (Operating)	-25°C to +55°C
Operating principle	12VDC
Vehicle detection	Tracking multiple lanes, multiple vehicles with 3D radar technology and measuring speed, location and distance of the vehicles
Video recording	7/24 local video recording
Remote monitoring	√
Industrial structure	√
Operation calendar	√
Modular software support	√
Automatic violation report	√
24/7 detection in all weather and light conditions	√
Innovative design	Easy installation and transportation with its compact, modular and light casing
Cameras	High precision and resolution still camera
Strobe	High precision video camera detecting 25 frames per second
Conformity and product certificates	<ul style="list-style-type: none"> - IP / Ingress Protection (IP55-IP65) - EMC / Electromagnetic Compatibility - LVD / Low Voltage Directive - Radar Calibration Documents - Verification report by the accredited institution - TS 13789 Conformity Certificate