

WE KEEP YOUR EYES ON THE ROAD



PARKING INSPECTOR™

Automatic Violation Recording System

RoadMetric's **Parking Inspector™** is a GPS and map based detection system that identifies parking violations, logs the details of each violation event, and provides video and photo evidence for use in court.

In its mobile application, cameras mounted on a moving car detect illegal parking based on pre-defined locations. The driver presses a button that triggers an event and captures the location on video.

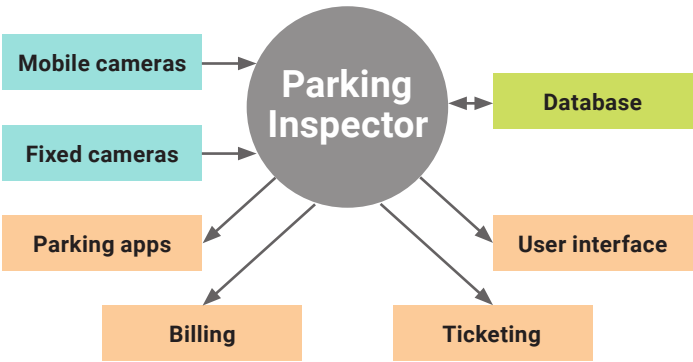
In its fixed application, cameras installed on poles at specific "problem" locations can detect cars that are attempting to park illegally, then zoom in to capture the car's license plate number for further processing by law-enforcement authorities.

Our system integrates with all known mobile parking payment applications, allowing our sophisticated back-office to identify vehicles in breach of payment in paid parking zones and issue tickets on-site.



SYSTEM DESIGN

Parking Inspector™ cameras mounted on moving patrol vehicles or fixed on poles use advanced ANPR technology to send video captures of parked vehicles to the main server, where they are run through all available databases and checked against any relevant external systems, such as mobile parking apps or municipal billing systems. When a violation is detected, our back-end application collects the video evidence and perpetrator data into an evidence file, and issues a ticket.



System Specifications	
Processing unit	In-vehicle fan-less computer with Intel® quad-core processor
Dimensions	205 mm (W) x 146 mm (D) x 44 mm (H)
Weight	1.9 kg (including one 2.5" HDD and DDR3)
Recording media	Industrial grade 256GB solid state drive
GPS	Integrated
External interfaces	LIDAR, body camera, VMS
Video Transfer	Wireless (802.11ac) and/or wired (Ethernet)
Technology	
Video compression	H.264 high profile (2-8 streams)
Camera	1920 x 1080P, 2-16 cameras in array (default 4), 30 fps
Recording triggers	Video analytics, push button, light bar, siren, RS-232, dry contact, 12VDC
Pre/post recording	Predefine 30 seconds, unlimited
Redundancy	Continues recording – event created between 2 bookmarks
Hours of recording	Up to 66 hours from 4 cameras at maximum resolution and frame rate
Video analysis	Speeding, tailgating, crossing a line, right/left passing
Audio	
Audio source inputs	3 (1 wired + 2 wireless)
Audio compression	MP3 128 KBPS (multi-channel), 20 Hz – 20,000 KHz +/- 79dB
Operational	
Temperature range	-25°C ~ 70°C
Operating system	Windows 8.1
Operating voltages	8~35V DC input
Humidity	10%-90%, non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz
Shock	Operating, 50 Grms, half-sine 11 ms duration
EMC	CE/FCC Class A, according to EN 55022 & EN 55024