Smart City Monitoring Platform

Cognitechna SCMP

Version: EN20220329

The Cognitechna Smart City Monitoring Platform (SCMP) is a modular, edge-computing platform intended for monitoring objects of interest contributing to the smart city concept. The SCMP platform is low-power, small in size and versatile; it can be mounted almost on any vehicle to become mobile or serve as a static monitoring point. The mobile version of the platform consists of a set of up to four COGNITECHNA cameras suplementable with others sensors, easily mountable on various roof racks of any vehicle and a central computing unit that can be placed either in the luggage compartment, vehicle interior or on the roof racks as well. The entire mobile system is entirely independent of the vehicle and can be easily dismantled and installed on another vehicle if necessary.

Exceptional Features

- Highly optimized and low latency detectors, classifiers and OCRs
- Low power mobile system with compact design
- Mountable on any vehicle using standard roof racks, easily dismantable
- Monitoring surroundings in all directions with speed up to 50 km/h

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Exceptional Features

- High recognition accuracy even under challenging conditions
- Trained while in operation to reach better results thanks to embedded artificial intelligence using deep learning and edge computing

Applications

- Automatic Number Plate Recognition (ANPR/LPR)
- Vehicle Class Recognition (VCR)
- Monitoring of city parking zones
- Monitoring of road vertical and horizontal traffic signs
- Any other application from COGNITECHNA portfolio or by customer demand

During the day

Night HDR mode with infrared flash

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