

SIRAM CURB MANAGEMENT

Analysis of street parking space occupancy

LOADING / UNLOADING ZONES
DISABLED PARKING SPACES
ELECTRIC VEHICLE CHARGING POINTS
REGULATED PARKING AREAS

SIRAM Curb Management is a video analytics module based on Deep Learning that allows real-time analysis of available/occupied parking spaces and parking duration in loading and unloading zones, disabled parking spaces and EV charging points.



Deep Learning

The use of Artificial Intelligence enables innovative video analysis solutions for Smart Cities.



Total Integration

SIRAM Curb Management has integration protocols for Smart Mobility platforms.



Camera embedded or server-based

The software can run on CPU, GPU or be embedded in the camera itself.



SIRAM Monitor

A web-based software where data collected by each SIRAM Curb Management is stored (historical queries and statistics).

WHY CHOOSE SIRAM CURB?

- Real-time occupancy analysis
- High accuracy rate - Deep Learning
- Compatible with any ONVIF camera
- Easy configuration - Intuitive user interface
- Quick implementation - Adaptation to any type of road

SMART APPLICATIONS

LOADING / UNLOADING

Occupancy level
Parking duration
Available and occupied spaces

REGULATED PARKING

Occupancy level
Parking duration
Available and occupied spaces

DISABLED PK SPACES

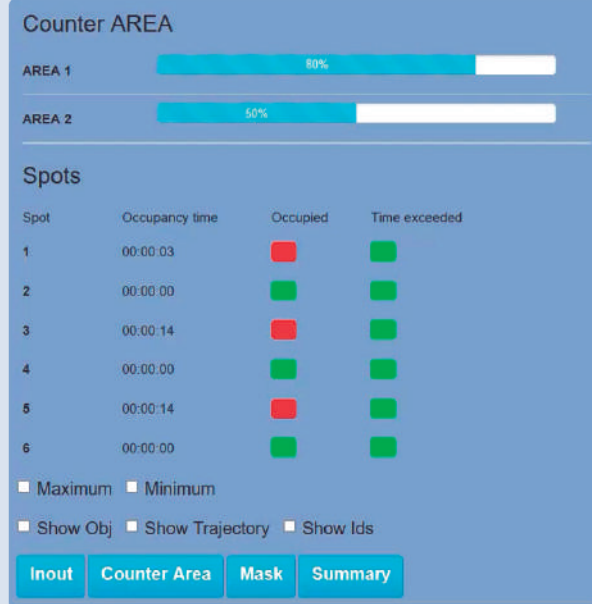
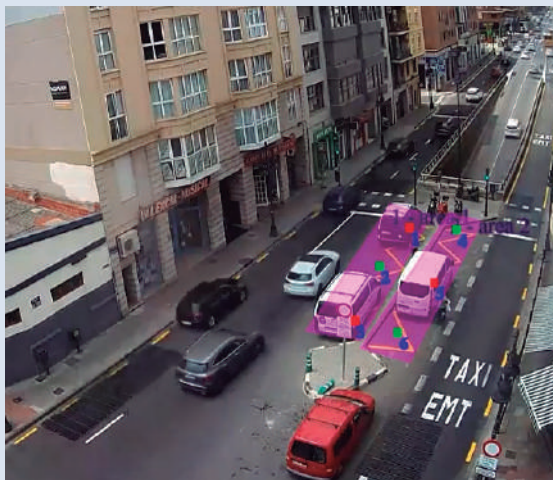
Available / Occupied space
Parking start record
Parking duration

EV CHARGING

Available / Occupied space
Parking start record
Parking duration

SIRAM CURB MANAGEMENT FEATURES

Analysis of multiple zones with a single camera	Processing on the camera and/or Jetson GPU (Edge Computing)
Identification of multiple free and occupied parking spaces	Processing on GPU (Server Based)
Evaluation of occupancy level in multiple zones	Processing on CPU (Edge Computing or Server Based)
Configuration of different presets on a single camera	Software or hardware alarms
Real-time visualization of the status of each parking space	Multiple configurable alarms
Real-time visualization of the occupancy percentage	I/O module management
Real-time visualization of configured alarms	Alarms displayed on the user interface
Configuration from the user interface	Alarm for exceeded time limit
Configurable maximum parking time per zone	Alarm for improper parking and/or unauthorized stopping (DP)
Configurable maximum parking time per parking space	Alarm for occupied charging point
Easy configuration of the location of each parking space	Easy integration and implementation
Configuration of prohibited parking areas	Communication protocol API Rest



ACCURACY
RATE
+99%

Based on video analysis

Lower installation costs
than sensors

No need for civil works

Lower maintenance costs
than sensors

