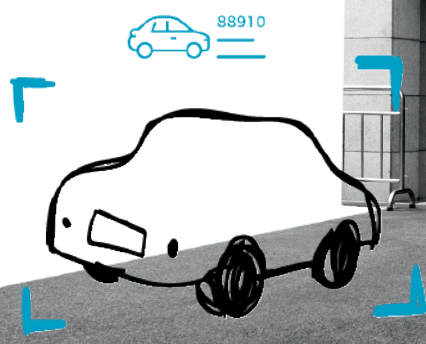


# OCR5

## LICENSE PLATE RECOGNITION SOFTWARE

LITE / PRO / PRO+



**SIRAM OCR5** is a license plate recognition software based on AI - Deep Learning, which offers a high accuracy rate. It is the ideal LPR solution for **Stop&Go and Free Flow applications**



Deep Learning	Camera embedded	Accuracy rate +99%	+100 recognized countries	ONVIF camera	Ticketless Barrierless

### WHY CHOOSE OCR5?

- **Very high accuracy** - Deep Learning
- **Ease of configuration** - Intuitive user interface
- **Quick implementation** - Adaptation all types of lanes
- **Certification module** for commissioning
- **Versatile architecture** - All-in-One or Server-based

#### P PARKING

- Integrated with parking systems (PMS / PARCS)
- Over 60 integrations available
- Hardware or software trigger
- Stop&Go y Free Flow
- Identification of vehicle direction
- Additional add-ons available (Analytics)

### SMART APPLICATIONS

- PARKING** - Touchless, Barrierless and Ticketless
- MOBILITY** - Low Emission Zones (LEZ) and Restricted Traffic (ZTR)
- ENFORCEMENT** - Embarked on vehicles
- SECURITY** - Siram Access Web and access control platforms

#### SECURITY

- Integrated with Security Platforms
- Web, Wiegand & TCP/IP integration
- Online/Offline mode (internal database)
- Stop&Go and Free Flow Systems
- Identification vehicle direction
- SIRAM Access Web

## OCR5 LITE

Basic Range

1 camera per lane

B/W images

All-in-One **32 bits**

## OCR5 PRO

Professional Range

2 cameras per lane

B/W and color images

All-in-One **32 bits**

Splitter Pro / Twinplate Pro

## OCR5 PRO+

Advanced Range

Up to **5** cameras per lane

B/W and color images

All-in-One **64 bits**

Splitter Pro+ / Twinplate Pro+

### Automatic Zoom & Focus

### Free Flow and Stop&Go Mode

### Direction Detection

### Camera I/O and Conex Management

OCR5 LITE	OCR5 PRO	OCR5 PRO+
✓ Front capture	✓ Front and rear capture	✓ Front and rear capture
✗ Motorcycle and car lanes (2 cameras)	✓ Motorcycle and car lanes (2 cameras)	✓ Motorcycle and car lanes (2 cameras)
✗ Ticketless for cars (2 cameras)	✓ Ticketless for cars (2 cameras)	✓ Ticketless for cars (2 cameras)
✗ Ticketless cars & motorcycles (3 cameras)	✗ Ticketless cars & motorcycles (3 cameras)	✓ Ticketless cars & motorcycles (3 cameras)
✗ Barrierless & Free Flow	✗ Barrierless & Free Flow	✓ Barrierless & Free Flow
✗ Vehicle type detection (cars & motorcycles)	✗ Vehicle type detection (cars & motorcycles)	✓ Vehicle type detection (cars & motorcycles)

FEATURES	OCR5 LITE	OCR5 PRO	OCR5 PRO+
<b>UPDATES</b>			
Update option	✗	●	●
<b>HARDWARE ARCHITECTURE</b>			
Architecture - Intel, AMD x64 (SSE2 y AVX)	●	●	●
Architecture - ARMv7 x86 - Neon (Axis Artpec7 32 bits)	●	●	●
Architecture - ARMv7 x64 (Raspberry Pi 4)	●	●	●
Architecture - Aarch64 - ASIMD (Odroid - Axis Artpec8 64 bits)	●	●	●
<b>OPERATING SYSTEMS</b>			
System - Windows 7, 8, 10, 11 and Server	●	●	●
System - Linux Ubuntu 16.04	●	●	●
System - Linux Raspbian 9	●	●	●
<b>USER INTERFACE</b>			
Interface - Desktop	●	●	●
Interface - Web	●	●	●
<b>WEB INTERFACE SETTINGS</b>			
Settings - Detection Mask	●	●	●
Settings - Camera self-calibration	●	●	●
Settings - Logs Download	●	●	●
Settings - Viewer pause possibility	●	●	●
Settings - Digital zoom cameras (PTZ)	●	●	●
Settings - Live Log	✗	●	●
<b>OPERATING MODES</b>			
Mode - Pre/Post	●	●	●
Mode - Continuous Pull	●	●	●
Mode - Continuous Push	●	●	●
Mode - Color	✗	●	●
<b>OPERATING MODE SETTINGS</b>			
Setting - Trigger Delay	●	●	●
Settings - Motion Detection	●	●	●
Settings - Sense Filter	●	●	●
Settings - Main Country	●	●	●
Settings - Secondary Countries	●	●	●
Settings - Image Scaling	●	●	●
Settings - Rotative Logs	●	●	●
Settings - B/W Mode	●	●	●
Settings - Color Mode	✗	●	●
Settings - Trailer License Plates	✗	●	●
Settings - ADR license plates	✗	●	●
<b>PROTOCOLS</b>			
Protocols - Multiple Protocols	✗	●	●
Protocols - Extended Protocol	✗	●	●
<b>OCR MODULES</b>			
Module - System Certification in operation	●	●	●
Module - FTP Function	●	●	●
Module - I/O Control	✗	●	●
Module - Splitter	✗	●	●
Module - Vehicle Type ((Motorcycle / Car)	✗	✗	●
Module - Vehicle presence (I/O Activation in Push mode)	✗	✗	●
<b>INTEGRATED OCR MIDDLEWARE</b>			
Module - Twinplate for Multi-Camera lane detection	✗	Twinplate PRO	Twinplate PRO+
Module - Audit	✗	●	●
Module - MulticamLane	✗	●	●
Module - Tailgating for fraud detection	✗	●	●
Module - Make for vehicle type, color and brand detection	✗	●	●