

Vehicle Licence Plate Recognition Analytics

Detection and video recognition of vehicle licence plates in two main types:



LPR-S

Recognition of licence plates of vehicles that are **stopped or moving at a speed of up to 30km/h**, perfect for parking areas management and access control.



LPR-M

Recognition of licence plates of vehicles that are moving at a **speed of up to 80km/h**, suitable for traffic surveillance, monitoring, etc.

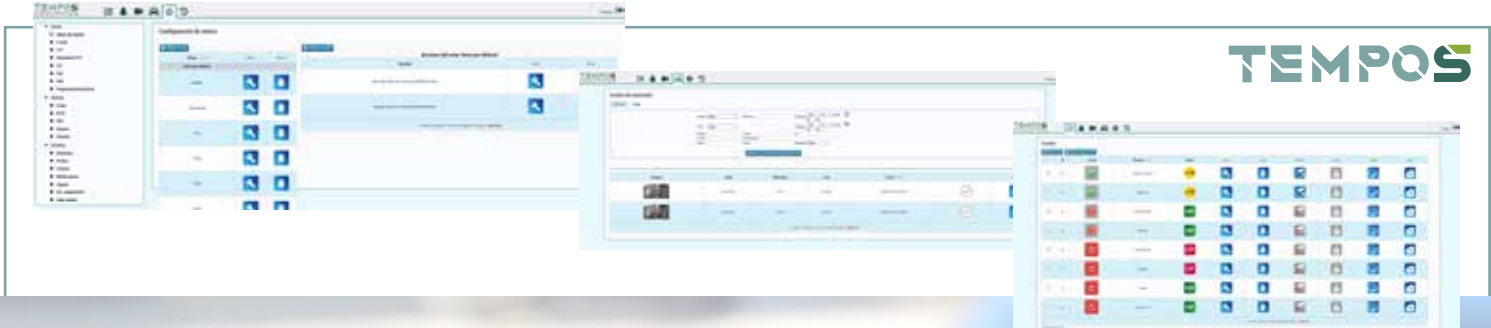
Key features

- **Identification reliability.**
- Possibility of **creation or import of an unlimited number of black and white lists**, which can be used individually by each camera, depending on the configuration.
- **Vehicle files** containing data such as number plate, model, owner data (name, phone, email, comments), as well as configurable fields.
- The default database allows storage of data for 200 vehicles, which can be extended by adding additional licences.
- **Loss detection and signal recovery.**
- The object that triggers the alarm is recorded a few seconds before and a few seconds after the event.
- **Configurable system of automatic actions** for a wide range of events.
- Security and reliability of the **64-bit Linux Kernel-based operating system**.
- **Integration with visual and/or sound alarms**, activation of barriers and gates, sensors or other physical elements.
- **List of past events** with associated videos, searchable by date, camera or event type.
- **Very intuitive configuration**, without using ActiveX or desktop applications.



Recommended features

Licence types	LPR-S	LPR-M
Maximum speed	30km/h	80km/h
Resolution/scanning	720p	720p
Height of the licence plate image	30px	50px
Lighting	Infrared	Infrared with focus and 850nm low-pass filter
Image colour	Black and white	
Location of the camera	Behind the barrier	Framing the number plate



Hardware

PRO

Family

Mini PC
compact format



IND

Family

Compact industrial
hardware format



SRV

Family

Server format hardware
(rackmountable, 1U)



NOTE: All of our devices are supplied with 2 licences of the chosen type for VidA Series and 1 licence for LPR Series.

Minimum technical specifications of the hardware*

	PRO Family	IND Family	SRV Family
Processor	Intel		
Hard disk	High performance SATA / SSD		
Power supply and consumption	Input: 100-240V AC / 50-60Hz Output: 19V at 3,43 A Max 65W at full load	DC 12V/5A	Input: 100-230V AC / 50-60Hz Max 300W at full load
Network	RJ-45 10/100/1000 Mbps and WiFi 802.11ac of 2,4 GHz or 5 GHz.		2 RJ-45 network sockets 10/100/1000 Mbps
Operating conditions	From 0°C to 40°C	From 0°C to 70°C	From 10°C to 35°C
Environmental certifications	RoHS (2011/65/EU), WEEE (2012/19/EU) and China RoHS	EU Council Directive 2014/30/EU RoHS directive - 2011/65/EU	EU Council Directive 2014/30/EU European Standard EN55022, Class A
Weight	1,6kg	1,5kg	8kg
More	Includes VESA mounting kit	Works well in dusty environments and high ambient temperatures	Sound card (sold separately)

*The devices and their technical characteristics may vary depending on the technological modifications and improvements made by the hardware manufacturers.

Extension licences

References	Description
TSR-LIC	Extension licence for 1 visible SR channel (short distances).
TLR-LIC	Extension licence for 1 visible LR channel (long distances).
TTH-LIC	Extension licence for 1 thermal channel (long distances).
TDUAL-LIC	Extension licence for 1 dual channel (thermal analysis with visual evidence channel).
THD-LIC	Extension licence for 1 HD channel (high definition, long distances).
T2V-LIC	Extension licence for 1 OPTEX sensor video verification channel.
T2D-LIC	Extension licence for 1 channel of video verification and double detection through OPTEX sensors
LPR-S-LIC	Extension licence for 1 channel of LPR-S - licence plate recognition for stopped or moving at speeds up to 30 km/h vehicles
LPR-M-LIC	Extension licence for 1 channel of LPR-M - licence plate recognition for vehicles in motion (up to 80Km/h).
LPR-PKMNG-LIC	Extension licence for parking space management. It enables the detection of the direction of movement, as well as control of shared spaces, capacity and permanence. Includes 1 LPR-500-LIC licence.
LPR-TMP-LIC	Extension licence for temporary list management that includes 1 LPR-500-LIC licence.
LPR-500-LIC	Database extension licence that provides 500 additional licence plate numbers.
LPR-1000-LIC	Database extension licence that provides 1000 additional licence plate numbers.
LPR-5000-LIC	Database extension licence that provides 5000 additional licence plate numbers.
LPR-XML-LIC	Extension licence for integration via XML. 1 licence is required per target system (IP) to be integrated and per type of alarm to be transmitted.
LPR-DATA-LIC	Extension licence for statistics generation to enable a comprehensive data analysis. <ul style="list-style-type: none"> - Hourly / weekly / monthly entries and exits. - Comparison of 2 or more cameras. - The sum of 2 or more cameras.

Additional modules

References	Description
T-SOUND-CARD	Sound card for Server format hardware (rackmountable).
T-IP6-EXT(I/O)	IP module with 6 relay inputs and 6 relay outputs.
T-IP11-EXT(O)	IP module with 11 relay outputs.
T-USB6-EXT(I/O)	USB module with 6 relay inputs and 6 relay outputs