



9623 H'JY

## 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



**TEMPOS**



# 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"> <li>- Hourly / weekly / monthly entries and exits.</li> <li>- Comparison of 2 or more cameras.</li> <li>- The sum of 2 or more cameras.</li> </ul>

### 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