BOSCH

# MVC-IVA-LPR IVA Pro License Plate
## IVA Pro



▶ Detects and recognizes license plates

▶ Ideal for stop and go and city traffic scenarios

▶ In-camera list management for access control or alarming on wanted vehicles

▶ Available on selected camera models

▶ Seamless integration in video management systems and other applications

Based on advanced deep learning techniques, Intelligent Video Analytics (IVA) Pro License Plate excels in real-time identification of license plates in parking applications or city environments. It supports strategies that improve traffic flow, reduce congestion, and enhance safety at intersections, toll booths, and parking facilities. It ensures reliable and precise data capture for automated ticketing systems, traffic enforcement, and smart parking solutions.

## Functions

**Detecting and recognizing license plates in stop and go and city traffic**
IVA Pro License Plate is a deep neural network based video analytics that detects and reads license plates on moving vehicles (car, van, bus, truck, motorbike). The license plate information is transmitted in real time via different protocols ensuring easy integration.

**In-camera list management**
IVA Pro License Plate now includes in-camera list management, supporting up to 16 configurable lists with a total of 5000 license plate entries. Events and relay outputs can be triggered based on list matches for automated responses.
Ideal for access control on parkings where the camera relay can control the barrier, or to get alarmed when a wanted vehicle is detected by the camera.

## Regulatory information

| Region | Regulatory compliance/quality marks | |
|--------|------------------------------------|---|
| Europe | AI Act | Self-declaration IVA Pro License Plate Recognition |

## Parts included

| Quantity | Component |
|----------|-----------|
| 1 | License |

## Technical specifications

### Detection

| | |
|---|---|
| Maximum speed of the vehicle (km/h) | 120 km/h |
| Maximum speed of the vehicle (mph) | 75 mph |
| Number of road lanes | Maximum: 2 lanes; Best performance: 1 lane |
| Detection resolution (px) | The device optimization profile determines the LPR detection resolution:<br>**Balanced:**<br>2MP/4MP/5MP/6MP cameras: 1280 x 720 px<br>8MP cameras: 1024 x 576 px<br>**IVA optimized:**<br>All cameras: 1920 x 1080 px<br>Notice: In IVA optimized mode the streaming capabilities of the cameras are limited. |
| Required pixels on target (px) | Minimum 16 px on character height of license plate |
| Scope | Access control; City traffic |
| Section integration | MQTT; Webhook (JSON); ONVIF; Bosch Metadata |

| In-camera list management | Up to 16 lists; Up to 5000 license plate entries (total of all lists); Events and relay control on list matching |
|---|---|

**Supported countries**
For a list of supported countries, refer to https://media.boschsecurity.com/fs/media/pb/media/products_1/video_systems_1/technical_documantation/IVA_Pro_License_Plate_-_Supported_Countries_and_States.pdf.

**Compatibility**
For information on supported cameras, refer to the Bosch Video Product Selector:
www.videoselector.boschsecurity.com

**Configuration**
Configure IVA Pro with Configuration Manager, a free software available for download from this website: https://downloadstore.boschsecurity.com/.

## Ordering information

**MVC-IVA-LPR IVA Pro License Plate**
Video analytics software based on deep neural network technology for detecting license plate information.
Order number **MVC-IVA-LPR**

https://www.boschsecurity.com