

# MVC-IVA-DGS IVA Pro Dangerous Good Signs

## IVA Pro



- ▶ Detects and recognizes the content of dangerous good signs (ADR and GHS)
  - ▶ Ideal for stop and go and city traffic scenarios
  - ▶ Real time data transmission
  - ▶ 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 Dangerous Good Signs is designed to deliver exceptional performance in detecting and recognizing ADR and GHS signs on trucks. IVA Pro Dangerous Good Signs is specifically tailored for applications in urban traffic management and logistics, enhancing safety and operational efficiency.

IVA Pro Dangerous Good Signs supports strategies that improve hazardous material transport monitoring, emergency response, and regulatory compliance. It ensures reliable and precise data capture of ADR and GHS signs, enabling real-time tracking and identification of dangerous goods being transported.

By leveraging IVA Pro Dangerous Good Signs, city authorities, logistics companies, and emergency services can streamline operations, enhance roadway safety, and make data-driven decisions to improve the safe and efficient transport of dangerous goods.

## Functions

## Detecting and recognizing ADR and GHS signs on vehicles

IVA Pro Dangerous Good Signs is a deep neural network based video analytics that detects and reads ADR and GHS plates on moving vehicles (car, truck). The ADR and/or GHS plate information is transmitted in real time via different protocols ensuring easy integration.

## Regulatory information

Region	Regulatory compliance/quality marks			
Europe	AI Act	Self-declaration	IVA Pro	Dangerous Good Signs

## 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)	<p>The device optimization profile determines the LPR detection resolution:</p> <p><b>Balanced:</b></p> <p>2MP/4MP/5MP/6MP cameras: 1280 x 720 px</p> <p>8MP cameras: 1024 x 576 px</p> <p><b>IVA optimized:</b></p> <p>All cameras: 1920 x 1080 px</p> <p>Notice: In IVA optimized mode the streaming capabilities of the cameras are limited.</p>

Required pixels on target (px)	Minimum 16 px on character height of ADR plate
Scope	Tunnels ; Ports ; Industrial zones ; Urban delivery zones ; Borders
Section integration	ONVIF; Bosch Metadata

### Compatibility

For information on supported cameras, refer to the Bosch Video Product Selector:  
[www.videoselector.boschsecurity.com](http://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-DGS IVA Pro Dangerous Good Signs

Video analytics software based on deep neural network technology for detecting dangerous good signs.

Order number **MVC-IVA-DGS**



<https://www.boschsecurity.com>