

# GESDYN

## SOFTWARE

system for the detection and penalties in traffic



**Integrated control  
modules and mobile  
device access**

# GESDYN desktop

## 2 VERSION SOFTWARE GESDYN ONE | PRO

GesDyn is the software by Giropès used in high speeds weighing motion System for the detection and penalties in traffic.

It includes a pre selection of vehicles, traffic statistics and data management. According to the parameters and it classification the vehicles will be sanctioned or not. The structure of the software enables its compatibility with third devices of hardware and software. It allows the adjustment of its application in different situations. It also enables to work with peripherals of control of access and vehicle positioning.

GesDyn is the penalty system ready to cater the most demanding and different types of needs, respecting the accuracy, reliability and characteristics of the software.

It also gives to the user the possibility to control the traffic of one or more roads.



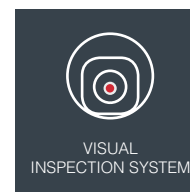
### GESDYN**ONE**

- One weighing point control:  
No modules available.

### GESDYN**PRO**

- Multiple weighing points control
- Access and vehicle detection modules available
- GESDYN WEB access available

Modules for GESDYN PRO



### GESDYN

Description	ONE	PRO
<b>GESDYN</b> Software GESDYN (Detection and traffic sanctions)	consult	consult

→ SECTORIAL WEIGHING

# GESDYN web

allowing access to  
**GESDYN PRO**  
from anywhere

GESDYN WEB features an intuitive, simple surface which concentrates all the information generated by the different GIRWIM systems and devices.



GESDYN WEB integrates with the GIRWIM systems and devices to provide accurate data of vehicles, such as its weight and classification.

The information, the current vehicles records which are circulating through the weighing area, is viewed in real time on the platform GESDYNWEB. This information is also available for display on mobile devices, such as smart phones and/or tablets, with internet access.

- Real-time display of the vehicles which are circulating through the weighing area, via the CCTV cameras.
- Automatic number plate recognition (ANPR/LPR)
- Traffic statistics (list of vehicles with excess of weight, list of vehicles according to classification, etc).
- Visual displays to view the vehicles which have committed traffic rule violation.
- Varying levels of presentation of the information.
- Export of the information to Microsoft Excel and PDF.
- API Web to be integrated with other systems of information.
- Analytic tools of preventive test.

## CONTROLUNITS

- Communication paths: GSM/GPRS, TCP/IP, Wi-Fi.
- Speed Range: 2 to 250 km/h.
- Weight Resolution: 10 kg.
- Accuracy of the intensity of the traffic min. 98 %.
- Accuracy of the classification 95 % (average, it depends on the specific category).

## GESDYNWEB

Description

**GESDYNWEB** Web platform

\*GesDynWeb need hosting and maintenance (consult)

PRO

consult

- Available for Pro license



# GESDYN ONE | PRO

## WATCHDESK control room



The main module of the web-based application is the Control Room or WatchDesk. The WatchDesk is a view or iView **where the registered vehicles are viewed** including an image and, when a traffic rule violation is committed, the fine or the infringement done.

**WatchDesk** allows displaying the information associated with the vehicle registration, number of axles, classification of the vehicle, etc.

## DATA MANAGEMENT

The GesDyn system allows having a control of the entities:



**Registers:** visualization of all the vehicles registered in the system. It allows a subsequent statistical consultation and extraction of reports using searching parameters.

**Classification of vehicles:** list of all the classifications of the existing vehicles.

**Weight limit:** definition of the weight limits, both generic and depending on the classification of the vehicles.

**Control Points:** Management of the road sections with the GesDyn system integrated.

## COMPATIBLE devices for GESDYNPRO

### IP CAMERAS



The cameras CCTV allow the monitoring of the control point, both during the day and at night, in real time, achieving both colour images and videos.

### AUTOMATIC NUMBER PLATE RECOGNITION



GesDyn Web can be integrated with the automatic number plate recognition systems (ANPR/LPR).

### 3D ESCANER

It measures the vehicles dimensions in 3D. Its sensor also allows the detection of the speed of the vehicle or its classification. Besides, it sends the data to the GesDyn system.

### VARIABLE MESSAGE PANELS (VMS)



The VMS panels are used to communicate with the vehicles with infringement evidences. The offender is informed of the obligation to leave the road and indicate the weight and number plate of the vehicle to the traffic authority.



GesDyn Web is the web-based solution for monitoring, data analysis, statistics, management and configurations of the GIRWIM systems.

The information is assessed on-line and immediately viewed through devices with internet access (such as mobiles, tablets, etc...).

The Web environment is consultant-oriented, traffic managers or police force.