

BUS CAMERAS: TRUNKS

1. BRIEF PRESENTATION OF THE COMPANY

Evoluziona Seguridad is a security company with headquarters in Valencia, Spain, focused on **mobility solutions**. Security and control are the main objectives to be able to offer the businessman **comfortable and practical solutions**.



After more than five years we are present in more than 10 countries internationally with over 4,000 vehicles fitted with our systems. Therefore we not only sell equipment, **we offer a good product solution, installation of software and hardware**, running and continuously maintained. We take care of everything so that you can focus on your own business.

Current offices:

- **Spain, central**
- Costa Rica
- Panama
- Morocco
- Shanghai

Commercial presence:

- Colombia
- Mexico
- Angola
- Lithuania

2. PRODUCT EXPLANATION

The camera system in trunks is based on the installation of cameras in trunks in order to control the luggage. It is possible to connect a display by which driver and passengers can control the trunks.

3. GENERAL DESCRIPTION

Video recorder with four channels to record the trunks of the vehicle with a maximum of four cameras (each channel is a camera input).

Continual recordings are possible, but it is not recommended regarding de **SD card capacity of 64 GB** (about two to three days).

Local recording of cameras

- Installation outline



- Common placement



- Daytime image



- Nighttime image



- Displays inside the bus (for passengers)



How to measure the quality of the cameras?

- Recording quality

From Evoluziona Seguridad we offer **maximum recording quality equipment**. The analogic cameras system has **WD1 quality level**, equivalent to 720x480 pixels.

- Cameras quality

Another way of assessing the cameras quality is by measuring the **horizontal television lines (TVL)**. All our cameras work with 700 lines, one of the highest quality that you can currently find in the market.

There are many other aspects that should not be forgotten as for example: lens angle, how the devices work with low illumination conditions, anti-vandalism features, humidity and waterproof protection, etc.

GPS Function

The video recorder has an integrated GPS, therefore it becomes possible to record the positional coordinates next to the video. **Watching the positional coordinates is only possible once the SD card is extracted** from the recorder (live reproduction of the positional coordinates is not available).

Viewing recordings

There are two options:

- **Remove the SD card** and insert it into a computer, (it does not need any specific software, it generates standard video files for the reproduction).
- Watching live recordings through a **display for the driver**. It includes a small remote control. *(The display must be connected either through a cable or wireless to the recorder, but it is recommended to connect it through a cable because it offers higher stability).*

A cable could be necessary in order to charge the battery.

The video recorder will be **inside a lockable** box placed **under the bus axles**.

4. MAIN APPLICATIONS

Every passenger transport company which vehicles have trunks may be interested in this solution, especially if there are conflicts as luggage complaints and thefts.

The European Union has established quality standards UNE. Those standards are recommendations upon placing cameras in the trunks and on buses in order to ensure high quality service.

5. COMPANY BENEFITS

Income increase

- **Customer increase thanks to service enhancement**
- Clear **differentiation** from other companies

Expense reduction

- **Vandalism and false claims** reduction
- Simple and clear complaints resolution
- **Insurance premium reduction**
- **Improved service management**
- From assumptions to **demonstrable facts**

6. IMPROVEMENTS OVER PRODUCTS ON THE MARKET

Our products are designed to be practical and manageable, keeping always high quality. We do not only sell equipment, we sell a solution through the installation of the hardware and software adapted to the client's need. **Our experience differences us from the market because we understand your problems and we already have solutions.**

In particular we highlight:

- **WD1 recording resolution** in all our devices.
- Wide range of **cameras specifically for buses** (size, vandalism, infrared scope, lens, etc.).
- **Small size equipment** and low power consumption.
- Two channel equipment adapted to the specific need.
- **Audio and microphone** for each camera (where legally is allowed).

7. FAQs

Does the GPS include the Operation Aid System (SAE) functions?

No, the GPS has a security approach. Therefore the positional coordinates will be available with the video (it is possible to watch live video through a display, but it is not possible to watch live positional coordinates).

Can I set a display to watch live video?

Yes, it is possible. The display must be connected to the recorder either wireless or through a cable.

Can I place hidden cameras and audio recording?

In EU **it is not allowed**, in other countries it is usually afforded. Please, review your country specific national regulations.

Is it obligatory to place posters of "video surveillance zone" in the bus?

In Europe it must be placed, in other countries it depends on the national legislation.

How long does the guarantee last?

Two years warranty.

8. CONTACT

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