



AUTOFOCUS POLICE

EMBEDDED SOLUTION FOR THE DETECTION OF WANTED
VEHICLES BY NUMBER PLATE READINGS

FOR...

**THE NATIONAL POLICE FORCE
MUNICIPAL OR REGIONAL LAW ENFORCEMENT BODIES
ORGANISATIONS INVOLVED IN THE FIGHT ON CRIMINALITY AND TERRORISM**

With Autofocus police, several thousand number plates can be checked every day from a marked or unmarked vehicle. Automatic detection of ⁽¹⁾...

- ▶ **Stolen vehicles**
- ▶ **Vehicles under surveillance**
- ▶ **Wanted vehicles**
- Etc...**



- **Automatic number plate readings**
- **Real-time database search**
- **Audial and visual alert in the case of a HIT**
- **Indication of the Behaviour to Adopt**
- **Deployable from a stationary or moving vehicle**
- **Cameras controlled by the software**
- **IR illumination invisible to the human eye**
- **Working day and night**
- **Deployable on motorways, in urban or semi-urban areas, in car-parks, etc...**
- **Reading of foreign plates**
- **Filming of the context**
- **Registration of the GPS position**
- **Recording of data and images**
- **Export of data and images**



**UNEQUALLED PERFORMANCE
SEVERAL POLICE FORCES ALREADY EQUIPPED**

(1) Depending on local rules regarding the access of Police Forces to databases

AUTOFOCUS POLICE

A FUNCTIONALLY AND TECHNICALLY ADVANCED SOLUTION

REAL-TIME VERIFICATION OF NUMBER PLATES

With Autofocus Police, real-time checks can be carried out on moving or stationary vehicle flows from police vehicles equipped with cameras.

Autofocus Police is specially adapted to conditions of police checks. It can function at 50 images per second, which means it is suitable for reading the number plates of vehicles travelling at high speed.

Autofocus Police can be deployed in both marked and unmarked police vehicles for the entirely automatic control of several thousands of vehicles during a single patrol.

Autofocus thus provides for efficient identification of stolen and wanted vehicles, vehicles under surveillance, etc.



DETECTION OF WANTED VEHICLES

It takes Autofocus Police just a few milliseconds to compare a number plate reading with a file of wanted vehicles containing up to several million recordings.

In the case of a HIT, the team is alerted by a visual and aural message. There is an indication of the vehicle status (stolen, under surveillance etc...) and of the behaviour to adopt. Additional verification is provided by a reminder of the characteristics of the vehicle (make, model, colour).

The file of wanted vehicles can be updated at any moment with a USB stick or a network connection. A retroactive search can then be carried out of vehicles checked during previous patrols.



SEARCH FUNCTIONS OF VEHICLES CHECKED

Autofocus Police provides for the registration of data gathered (matriculation number, date, hour, GPS position, camera images). The recording period can be adapted according to the regulatory constraints of each locality.

A search can be carried out of all the vehicles checked (whether or not they represent a HIT) and on all or part of a number in order to proceed to subsequent checks. This search can be carried out either from the vehicle or at the base, using an office viewing software supplied with the system.

The data can also be exported at any moment in a standard format in order to be extracted and used by other services.



A SOLUTION DEPLOYABLE IN A WIDE VARIETY OF SITUATIONS

The efficiency of Autofocus Police means that it can be deployed in all sorts of situations:

- From a stationary or moving vehicle.
- From a marked or unmarked vehicle.
- On stationary or moving vehicles (speeds of up to 240 km/h tested).
- By day or night.
- In all weather conditions.
- On any vehicle from the European Union or bordering country.
- With very significant side angles (especially for checks on car parks or vehicles parked in urban areas).
- From the front or from the rear of vehicles.



AUTOFOCUS POLICE

A COMPLETE SOLUTION OFFERING COMPLETE CONTROL AND EASY IMPLEMENTATION

ERGONOMY SPECIALLY DESIGNED FOR THE POLICE

Autofocus Police was designed exclusively for number plate detection and reading from embedded cameras on police vehicles:

- Manipulation of the interfaces with a finger or stylus using the tactile screen.
- Virtual keyboard.
- Entirely automated control of cameras and of their parameters.
- Interface designed to permit immediate display of relevant information.
- Communication by means of vocal messages between the software and the team.



AUTOMATIC CONTROL OF CAMERAS

Autofocus Police offers the remote control of cameras integrated into the vehicle. The users can thus modify in a few milliseconds the zones controlled without leaving the vehicle and while driving.

All of the aiming parameters (right-left, up-down, zoom) can be controlled, as well as the camera settings, (lens, gain, shutter), regardless of where the cameras are attached to the vehicle (on the roof on the bumpers, inside the cabin, etc.).

Autofocus Police thus allows for a control of the entire environment of the vehicle over distances which can vary from 2 to 40 meters.



A COMPACT AND CONVENIENT SOLUTION

Autofocus is compatible with the best embedded PCs on the market. As well as an irreproachable solidity and an excellent resistance to vibrations and impacts, these PCs fit compactly into the boot.

Autofocus functions with cameras created specifically for embedded Police applications. Several models can be implemented, depending on the requirements imposed by discretion or vandalism.

A special turnkey solution based on a 360° roof camera, which is motorized and waterproof, has been created for cheaper and quicker integration. This solution can be integrated within a few hours without damaging vehicles, which tend more and more to be leased. Once it has been integrated, the waterproof connectors mean that the camera can be installed or uninstalled on the roof in less than one minute if necessary (for mounting the camera onto another vehicle, for maintenance, or for protection against vandalism...).



PRESETS EASY TO ADAPT AND USE

Autofocus Police provides a standard set of presets, symbolised by small icons on a map of the vehicle environment. They allow automatic positioning of the cameras, simply by touching the screen with a finger. Standard presets can thus easily be defined which correspond to typical police check situations:

- Motorways.
- Fast lanes.
- Urban areas.
- Checks from a side angle.
- Carparks.

These presets may be adapted to police checks of stationary vehicles or those travelling at high or low speeds. The parameters of the cameras are optimised according to the weather conditions. The presets can easily be adapted in order to correspond better to the needs of each police patrol.



EQUIPMENT AND INTEGRATION EXAMPLES

COMPACT PROCESSING UNIT IN THE BOOT OF THE VEHICLE



TACTILE 10.4" SCREEN IN CABIN



360° CAMERA FOR MARKED VEHICLES

