TOPGUARD

Topguard PlateCatcher NextGen

THE ULTIMATE **VEHICLE INSPECTION SYSTEM**

PLATE CATCHER™

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Wide range of applications

PlateCatcher is a versatile and high-quality inspection system that is ideal for a host of applications including:

- Border checks
- Security of high-risk environments and property
- Access control at large events (also mobile)
- Vehicle inspections by the police (also mobile)
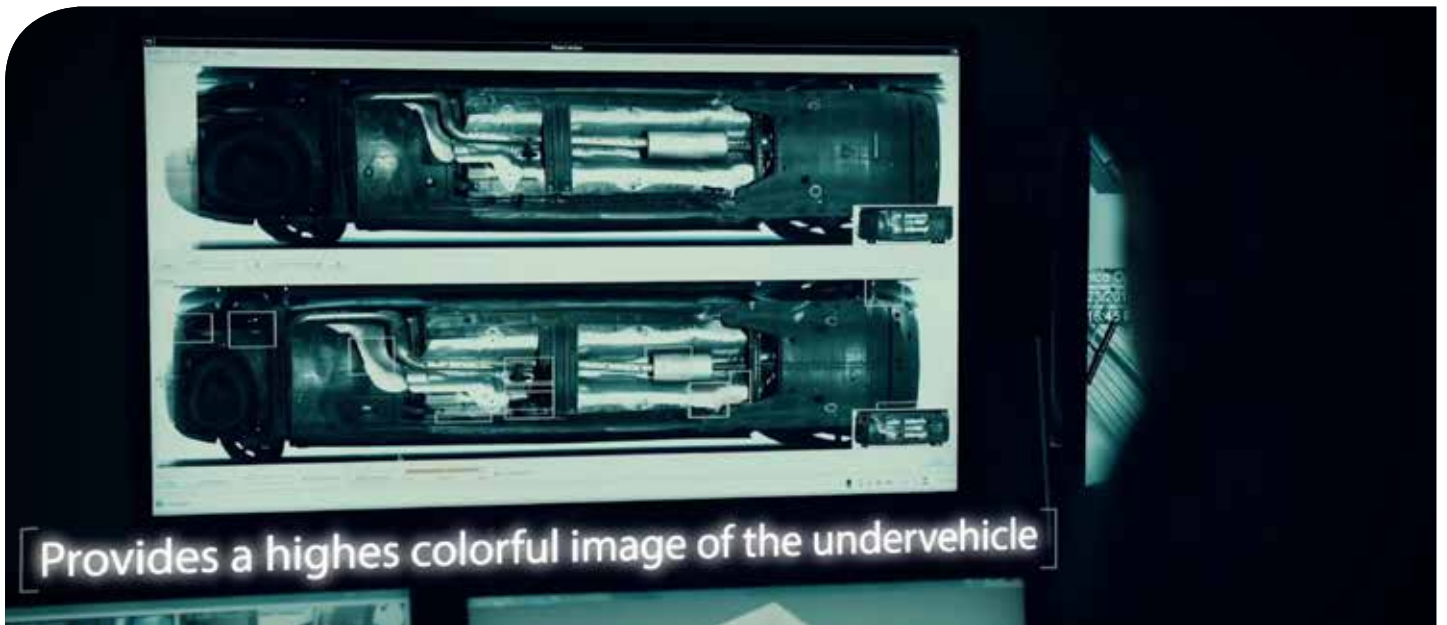- Access control to (multi-storey) car parks

Fast and mobile solution

PlateCatcher ranks among the absolute best in electronic access control systems. The system contains a scanner in a compact, flat housing that can be placed in or on the road surface. A mobile version is also available.

In short

PlateCatcher NextGen offers the very latest Under Vehicle Scanning System (UVSS) technology. The use of area scan camera technology has improved the picture quality compared to line scan camera technology where the end result depend mainly on moving vehicles at a constant speed over the scanner.

Provides a highes colorful image of the undervehicle

The system has the following components:

Scanner

The scanner is the heart of the UVSS system. Area scan camera technology captures 1920 x 24 pixels frames per second and transmits these via a GigE interface over a LAN connection back to the UVSS controller. The scanner also acts as a hub for the field peripherals such as ANPR and driver camera, traffic lights, anti-crash barriers. This simplifies the overall installation, and reduces cost for creating additional infrastructure.

Extra care has been taken to protect the interior of the scanner and a special intelligent heating and air circulation system to prevent moisture from condensing and fogging up the viewing window. The scanner housing is also pressure tested to ensure it is fully airtight. This reduces service intervals to an absolute minimum. If the dry packs become saturated, or the temperature is too low or too high, service alarms will be sent to the controller so that maintenance can be scheduled. To aid maintenance the scanner features an internal event log. that not only logs all events such as scanner activations but also records the internal temperature, environmental light conditions, internal humidity levels, etc. This log file is remotely accessible over WAN or LAN. Built-in vehicle sensors eliminate the need for additional induction loops or other external sensors. Whenever a vehicle sensor triggers the scanner, the scan process will automatically start and the built-in illumination module is activated. These high end vehicle sensors are specifically designed for use in the PlateCatcher UVSS systems and can capture even the fastest vehicles without creating false trigger events.

Controller

The UVSS controller merges the individual frames from the area scan camera inside the UVSS scanner into a seamless picture showing the vehicle's underside. Area scan technology compensates for varying vehicle speed so that a perfect picture can even be constructed if the vehicle stops on top of the scanner before proceeding. The UVSS controller can also receive video and pictures of an ANPR camera and a Driver camera via the LAN. The basic UVSS functionality of the controller can be expanded with the following (optional) functionality:

Remote diagnostics to optimize service

Linking a driver to the vehicle

Automatic comparison:

The system automatically highlights any differences between the stored and actual image of the scanned vehicle. The automatic comparison software enables the security operator to monitor vehicle undersides in a much more precise and efficient manner.

ANPR (Automatic Number Plate Recognition):

The ANPR camera will take a number of pictures of the license plate. These pictures will then be processed by the controller to extract the licence plate information from the picture and turn it into editable text. A wide range of licence plate recognition engines are available to read Latin, Cyrillic or Arabic style licence plates. The controller features two monitor outputs. One monitor provides a user interface to an operator operating the scanners; the other monitor displays live and recorded video of the ANPR and driver camera.

ANPR camera

ANPR Camera

The PlateCatcher ANPR camera has a stylish design matching the rest of the system. Ideally the camera is mounted at the side of the road approximately 8 meters in front of the scanner unit (or behind for rear-facing ANPR). The camera takes a snapshot of the front or back of the vehicle which is then analysed by the controller to extract the licence plate number.

Driver Camera

The PlateCatcher Driver camera is mounted next to the scanner at the side of the road and is used to take a snapshot of the driver entering the site. This snapshot is stored inside the PlateCatcher database.

Driver camera

Traffic Light

The PlateCatcher NexGen offers a stylish traffic light to guide drivers correctly over the UVSS scanner. The traffic light features 88 hi-density bi-colour (red – green) LEDs and is directly controlled and powered from the scanner. It can display various symbols to inform the driver to wait, proceed, or if the lane is closed or open.

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THE ULTIMATE **VEHICLE INSPECTION SYSTEM**

Topguard's PlateCatcher is a state-of-the-art under Vehicle scanning system (uVss). The crystal-clear images that this advanced system generates enable faster, more accurate, and more reliable inspection of the underside of vehicles than other methods. plateCatcher can be expanded with various options to make it an unmatched weapon in the fight against crime and terrorism.

PLATECATCHER NEXTGEN AS A MOBILE SYSTEM

- For flexible vehicle inspections anywhere and anytime
- Suitable for vehicles of every size
- Light and compact for easy transport
- Quick assembly and disassembly
- With aluminium ramps or rubber mats

PLATECATCHER NEXTGEN AS A PERMANENT SYSTEM

- Modern, effective and efficient vehicle inspections
- Flat and compact for simple integration in the road surface
- Expandable with various options

A REAL TOPGUARD PRODUCT

Topguard Plate Catcher NextGen was developed entirely in-house to provide the total solution including speedgates, bollards and barriers. Topguard combiness the production and service into one complete packet.

PLATE**C**ATCHER™

TOPGUARD

ELECTRONIC SECURITY SYSTEMS FOR OUTDOOR APPLICATIONS

In a nutshell, Topguard supplies a comprehensive assortment of high-quality electronic perimeter security products. Because of our specialist expertise, you can always rely on Topguard for professional advice and tailored security solutions for the high-risk, business, and home markets. For more information, please contact our office or visit us at www.topguard.eu

Herder Pasmansdreef 5 / 5688 HW Oirschot / T +31 (0)88 - 27 40 900 F +31 (0)88 - 27 40 901 / www.topguard.eu / The Netherlands