Selex ES
A Finmeccanica Company

Homeland Security & Critical Infrastructures

AUTODETECTOR 3
FIXED HIGH AUTOMATIC NUMBERPLATE RECOGNITION SYSTEM

Autodetector 3 - Fixed High (AD3-FH) is a compact all-in-one number plate recognition system. Functionally, it is part of the 'smart sensor class', sending license plate information over an IP network.

AD3-FH is suitable for:

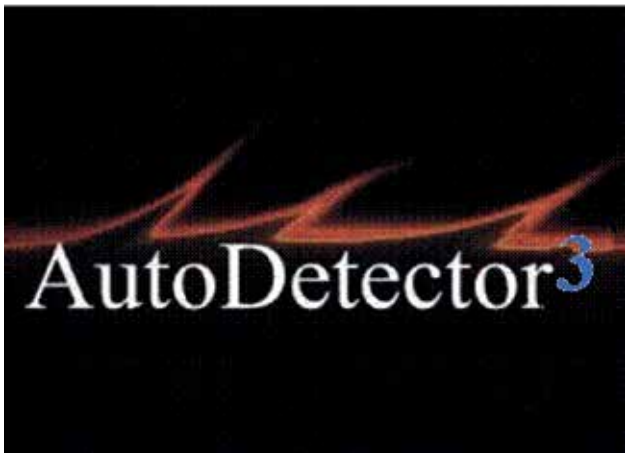
- Road and highway monitoring
- Limited Traffic Zone (LTZ) control
- Access control for vehicles to restricted areas
- Dangerous goods tracking

The compact, water resistant housing (IP 67) contains two cameras - one high resolution black and white camera (with IR illuminator), and one color overview camera. The camera's field of view makes it ideally suited for installation on freeways and multi-lane roads where cars are likely to move freely across lanes and/or maintain a high speed.

The AD3-FH unit allows IP connection and image processing onboard (optical character recognition proprietary on dedicated DSP). The B/W camera is designed to tackle variable lighting conditions, remaining fully effective regardless of the time of day or night.

For every numberplate read, the colour camera provides a second, overview image of the vehicle. The AD3-FH runs in trigger-less mode. It is connected to networks via a standard 10/100 Ethernet port.

Data collection and hot-list management is processed via dedicated software running on a standard PC, installed at a remote location. The software can support several networked AD3-FH units. Alternatively, the AD3-FH can be provided with a Software Development Kit (SDK) allowing third parties full integration control.



COMPOSITION

- Black and white camera
  - 1392x1040 pixels – CCD 2/3” Progressive
- IR illuminator (740nm*)
  - *840nm illuminators can be provided on demand
- Color overview camera
  - (1392x1040 pixels – CCD 2/3” Progressive)
- On-board processing unit
- 2x proprietary optics

OPTIONS

- Sun shield
- Brackets
- Cables (lengths up to 14m)

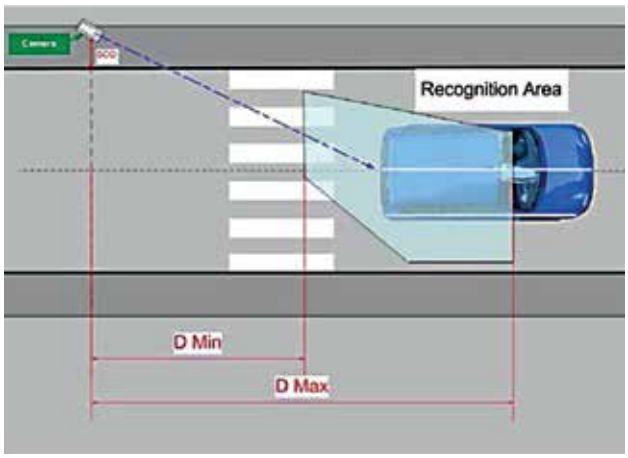
TECHNICAL DATA

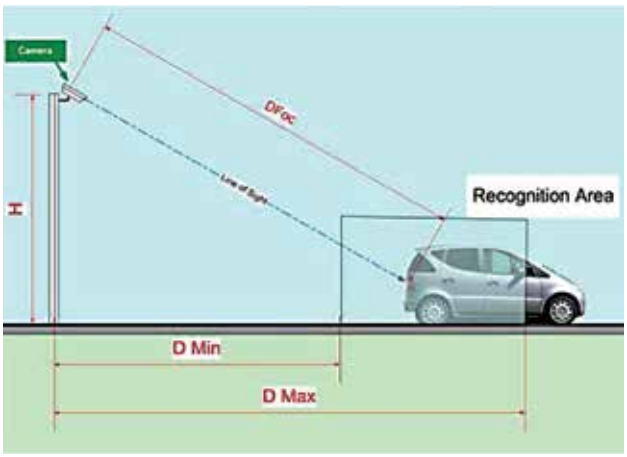
Input Voltage and absorption	10-18V DC - Absorption 2A (not including heater)
Heater	12-24V DC - Absorption 500mA
Dimensions	249 x 110 x 110mm (without sun shield)
Weight	2.3kg (5.1lb)
Operating Temperature	-20°C to +55°C (-4°F to +131°F) -40°C to +55°C (-40°F to +131°F extended range
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Operating humidity	10-90% not condensing
Storage humidity	10-90% not condensing
Case Protection	IP 67 Certifications/Statutory compliance CE marking IR illuminators: Class 1 / 1M

Class A certified according to UNI-10772 Italian Standard (The best class in Italian reading plate classification)

INTERFACES

- Steel support with holes for connection to standard CCTV mount
- Signals and power supply by a single connector type: 22 pin, IP67





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