

"CAPsee DVS" - Image-sensor Detector.

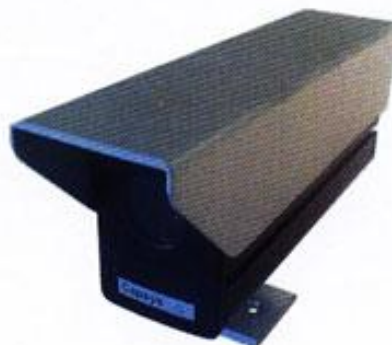
CAPsee provides an economical solution for optimum detection.

A revolutionary concept, this universal detector uses Image-sensor technology to operate as a configurable **virtual loop**, without roadwork.

High-technology components in image and signal processing, as well as an exceptional level of integration, give CAPsee a compact, easy-to-install **one-piece housing**.

This **stand-alone**, discrete and aesthetically pleasing detector can be easily installed, used and maintained without any external display.

Its optional **infrared remote control** makes on-site configuration easier. Adjustments can be immediately seen, checked, and modified at the user's convenience.



Imaging technology for an effective and economical detection solution

Applications:

- ✓ Traffic regulation.
- ✓ Traffic light control.
- ✓ "Turn-on-left" detection.
- ✓ Bus lane detection.
- ✓ Access control (doors, barriers, bollards).
- ✓ Counting.

Characteristics:

- ✓ A stand-alone detector.
- ✓ Static and/or dynamic detection.
- ✓ Virtual, very precise and adjustable detection area.
- ✓ Vehicle and pedestrian detection.
- ✓ A range of up to 100 metres.
- ✓ Variable presence time reset.
- ✓ Size discrimination.
- ✓ Easy access to configuration, either on front plate or by infrared remote control (option).

Main features:**• Technology**

CAPsee detectors combine a high definition Image Sensor and a powerful Digital Signal Processor (HCmos DSP) for reliable operation.

• Infrared remote control (option)

The configuration of CAPsee detectors can be easily checked and modified at a distance. Each remote control device is customized by a personal code.

• Detection range

Detection area can be precisely set between 0 and 100 meters.

• Detection area

With a variety of sizes and shapes, the multiple detection areas permit a complete choice of applications. CAPsee detectors can be used for 1 or 2 lanes, for buses, cars or two-wheeled vehicles; for long or short distance detection including "turn-on-left" vehicles, all with the same precision.

• Sensitivity

Adjustable on four levels, this parameter improves detection reliability.

• Size discrimination

Thanks to the sensitivity adjustments, detection filters can be processed according to the target's size: for instance, this function enables avoiding false detections such as pedestrians, dogs, birds, etc. when detection is only focused on vehicles.

Also, this setting can limit detection to large vehicles only such as trucks, buses, trolleys or tramways.

• Static & dynamic detection

CAPsee detectors can detect either only moving vehicles (presence time 0 sec.), or both moving and stopped vehicles (presence time 4 or 10 min).

• Easy installation

CAPsee detectors are easy to mount over traffic lights or on public light fixtures, traffic signs, etc. with an adjustable double axle mounting bracket.

• Loop definition

Detectors are equipped with a sighting device, similar to a rifle, for defining the virtual loop at ground level.

• Compact and discreet housing

Waterproof IP66, protected by UV-resistant epoxy paint; equipped with a sunshield for thermal protection.

• Easy and fast connection

Detachable and robust IP68 connector.

• Outputs

Relay with positive security, opto-coupler. Serial RS 485 in option.

Technical characteristics:

Technology	Digital Signal Processor HCMOS and FPGA.
Detector range	From 0 to 100 m by selected detection area.
Remote control	Adjustment by infrared transceiver (in option).
Mode	Omni directional
Commuted current	Relay output TOR NO/NC = 10 mA/10VDC to 2A / 230VAC. Opto-coupled output NO/NC = 40VDC 10MA
Output	Relay TOR or opto-coupler or RS485 or Radio.
Power supply	24 VAC & 230 VAC 48-62Hz / 12VDC & 24VDC ; protection by fuse.
Power tolerance	AC = + - 15% / DC = -10% + 20%.
Power requirements	< 2 VA.
Temperature ranges	Stock: -40 to +85°C Use : -30° to 70°C.
Housing	IP 66 with thermal protection/ U.V.-resistant epoxy paint.
Dimension / weight	210 x 80 x 65 mm, not including connector and binding / 1Kg.
Connection	Connector IP68 (5-metre pre-cabled connector in option) compatible with other CAPSYS above ground detectors.
Adjustments	Dip and rotary switches on front face or infrared remote control.
Display	High luminosity LED on front face.
Norm	Conforms to EC norms.

Technical notice on request: Ref. DV62001A

Options:

Infrared transmitter/receiver for remote control.
Personal protocol for serial output.
Epoxy paint in customized colours.

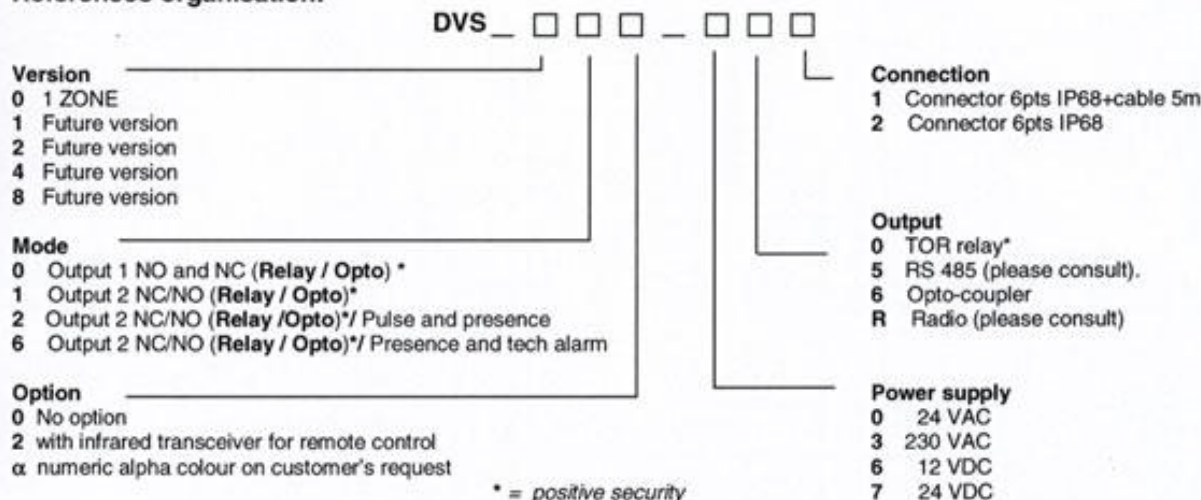
Glossary:

NO = normally open ; NC = normally closed
NO/NC connection capability as standard feature
Positive security: relay reverts to initial state when current supply is resumed

Accessories:

Ref.: WAB-0 -025 = adjustable 2 -axe mounting bracket .
Ref.: WAB-0 -024 = extension brace for post.
Ref.: WAB-TEL-A00 = remote control transceiver.

References organisation:



Standard references:

- DVS - 000- 302 : Sensor 1 Zone - 230vac, 1 relay NO+NC, positive secu., connector.
- DVS - 000- 301 : Sensor 1 Zone - 230vac, 1 relay NO+NC, positive secu., connector and cable 5 m.
- DVS - 002- 302 : Sensor 1 Zone - 230vac, IR trans/receiver, 1 relay NO+NC, positive secu., waterproof connector.
- DVS - 002- 301 : Sensor 1 Zone - 230vac, IR trans/receiver, 1 relay NO+NC, positive secu., waterproof connector and cable 5 m.

Capsys S.A.

Rue des sources - Cidex 112 - F 38920 CROLLES - France
Tel: +33 (0)4 76 08 90 75 - Fax: +33 (0)4 76 08 89 85
E-mail: commercial@capsys-fr.com Web: www.capsys-fr.com