


DVS 2024



Progressive safe system (PSS) product catalogue

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Since the Direct Vision standard was introduced in 2019, fatal collisions involving HGVs and vulnerable road users where vision was a contributory factor have halved from 12 to 6. As part of the Mayor of London's goal of achieving zero deaths and serious injuries from London's streets by 2041, TfL have now released an enhancement to the current DVS 'Safe System' with the introduction of the 'Progressive Safe System' (PSS).

Requirement for the PSS Compliant system

- A Moving Off Information System (MOIS) fitted to the front of the vehicle with active alerts warning driver.
*In line with Technical Specs for PSS provided by TfL.
- A Blind Spot Information System (BSIS) with active alerts warning driver.
- Audible vehicle manoeuvring warning cyclists and pedestrians when a vehicle is turning left.
- A nearside Camera Monitoring System, or Class V and Class VI mirrors, completely eliminating all remaining nearside blind spots, if any.
- Side under-run protection: fitted to both sides of the vehicle. Must comply with UN reg 73.
- External blind spot warning stickers

Blind Spot & Moving Off Information System (BSIS & MOIS)

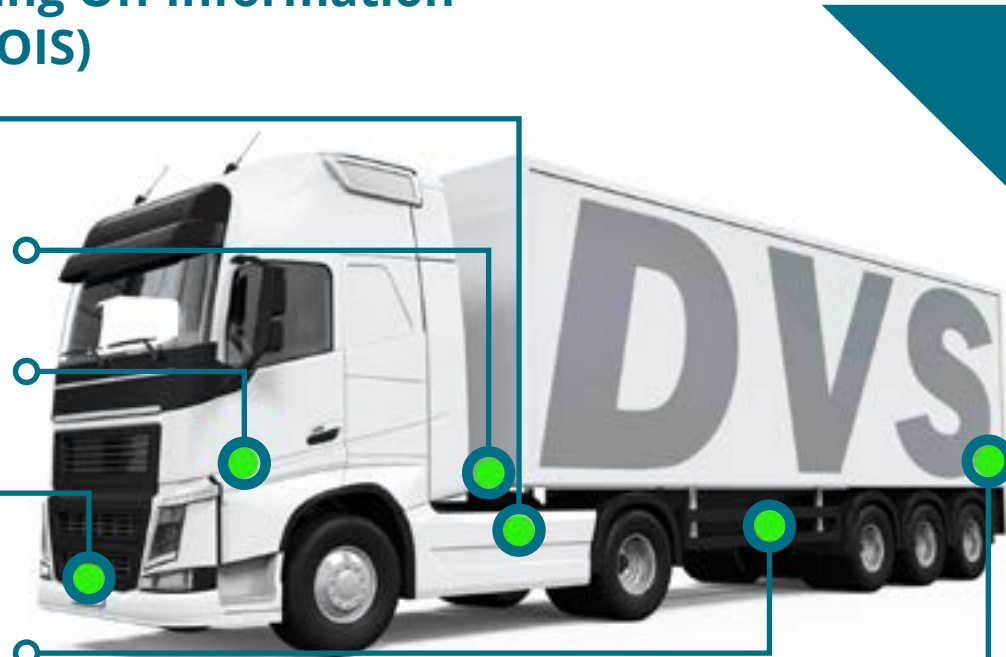
(BSIS)
Microwave Sensor

Audible Alarm

Nearside camera and monitor

(MOIS)
Moving Off Information System

Side Under-Run Protection (on Both Sides)
*Not included



Blind Spot Signage

Moving Off Information System (MOIS)

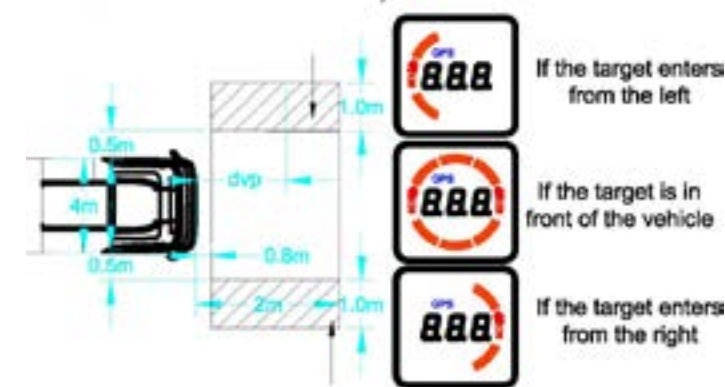
The MOIS (Moving Off Information System) is required for all vehicles over 12 ton as part of the overall PSS Solution. This system is designed to identify and notify the driver of pedestrians and cyclists in the immediate blind spot area in front of the vehicle. In cases of potential collisions, it will also issue warnings to the driver.



Microwave Sensor

This radar module fitted to the front of the vehicle utilises advanced radar technology to effectively detect pedestrians and cyclists entering the blind spot area in front of the vehicle. The MOIS systems protects vulnerable road users.

Our advanced system is engineered to eliminate false activations caused by street furniture or parked vehicles. This ensures that the system only responds to genuine threats, reducing unnecessary alerts.



Smart Display

When a target is detected within the detection area and the distance to the obstacle (DTO) is less than 0.5 meters, the system triggers an alarm, displaying an orange color bar and relevant distance information on the digital display. Additionally, if the Time to Collision (TTC) for a front collision is less than 1.4 seconds and the DTO is less than 0.5 meters, the system activates a collision warning with visual and audible alerts.



Secure Your Order

ORDER

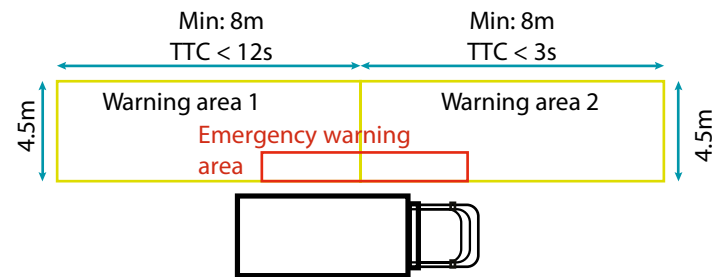


Blind Spot Information System (BSIS)

Our BSIS system is designed to define warning areas and activate warning lights intelligently, keeping you informed of nearby vulnerable road users. Drive with confidence, knowing you have the protection of our cutting-edge self-diagnosis system and the reliable functionality of BSIS. Plus, with our solution, you'll be fully compliant with the October 2024 DVS legislation.

DVS Compliant

Engineered to seamlessly align with the latest TFL Direct Vision regulations, our system employs robust algorithms and microwave technology to accurately identify pedestrians, cyclists, and other vulnerable road users (VRUs) within the specified detection zones as mandated by the Progressive Safe System here ([link](#)).



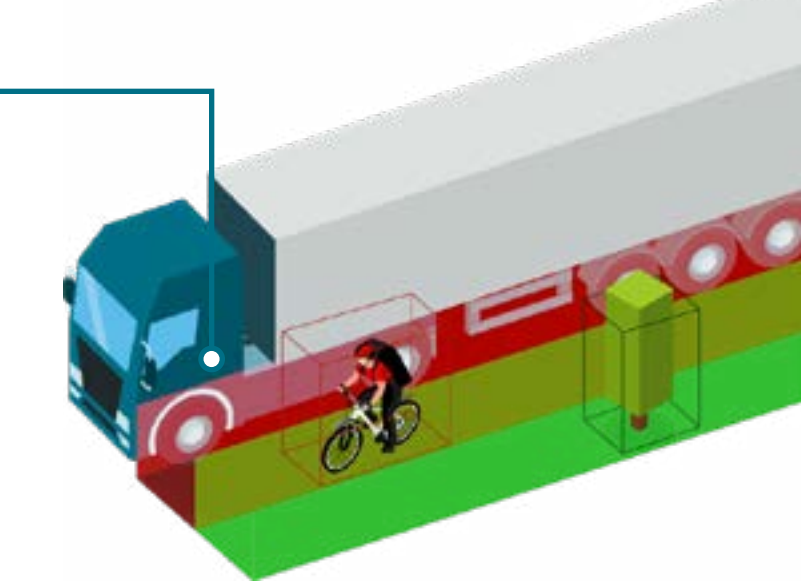
Quick Operation Guide

1. When there are no moving vehicles within the alarm area, the warning light remains off.
2. However, if a VRU enters from the left or crosses laterally from the left front (with a speed greater than 0.5m/s) and enters the warning area, the warning light activates.
3. When the warning light is on and the vehicle makes a left turn or signals a left turn (with an angular speed exceeding 3 deg/s), the buzzer emits a "beep" sound twice, and when the vehicle initiates a left turn or, after completing the turn, the warning light begins to flash.
4. Once the cyclist or pedestrian leaves the warning area, the warning light deactivates.

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Unparalleled Safety in All Conditions

One of the key advantages of our system is its exceptional reliability in adverse weather conditions and even when the device is covered in dirt or foreign debris, ensuring consistent performance regardless of environmental challenges.



Microwave Sensor

The microwave sensor effectively identifies vulnerable road users within the vehicles blind spot, whilst ignoring static street furniture, promoting enhanced driver awareness and safety.

Available Kits

PSS MOIS Solution

Front Radar Module

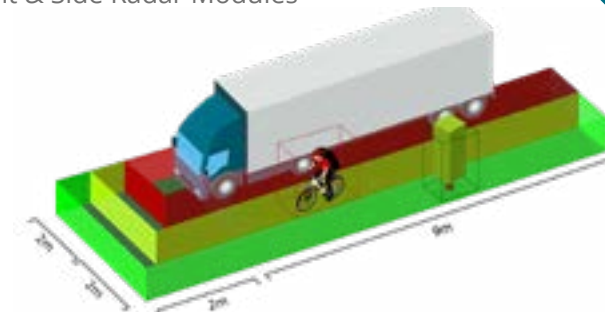


What's included

- 1 x Display
- 1 x Radar Sensor
- 1 x Bracket
- 1 x Main Harness
- 6 x Extended Harness
- 2 x Screw 4*15mm
- 8 x Screw 5*20mm
- 4 x Screw 4.8*30mm
- 10 x Cable Ties
- 1 x Warning Sticker

PSS MOIS + BSIS Upgrade

Front & Side Radar Modules

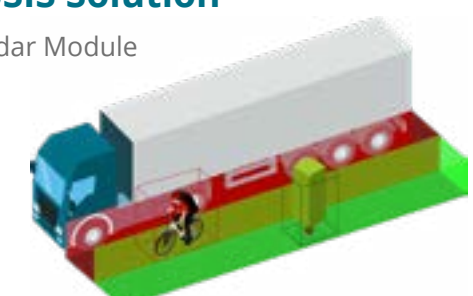


What's included

- 1 x Everything included in MOIS Solution Package
- 1 x Everything included in BSIS Solution Package
- *If you already have a nearside camera and monitor, you will just need to add the MOIS and BSIS. If you haven't, you will need to buy these in addition to the MOIS and BSIS.*

PSS BSIS Solution

Side Radar Module



What's included

- 1 x MicroWave Sensor
- 1 x Control Box
- 1 x Warning Light
- 1 x Left Turn Alarm
- 1 x GPS Module
- 1 x Switch
- 1 x Main Harness
- 8 x Screw
- 2 x Screw
- 1 x Warning Sticker

PSS MOIS + BSIS Solution + Side Camera with monitor

Front & Side Radar Modules



What's included

- 1 x Everything included in MOIS Solution Package
- 1 x Everything included in BSIS Solution Package
- 1 x 7" AHD Monitor
- 1 x AHD 1080P - Side Camera
- 1 x Monitor Bracket
- 1 x Camera Extension Lead

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