# BLIND SPOT DETECTION

## BSIS R151 – MOIS R159 – REVERSING R158

For PCVs

## Why Blind Spot Detection

Over 55% of persons killed or seriously injured on UK roads are motor cyclists, bicyclists, and pedestrians.*

Blind spots on large vehicles are a major contributory factor in pedestrians, cyclists and other vulnerable road users (VRUs) collisions.

**Source: *Department for Transport.*

**Increases Driver and Pedestrian Safety.**

**Lowers Human Error** thanks to an increased awareness of surroundings.

**Reduces Insurance Premiums** and financial impact of false claims.

EXEROS TECHNOLOGIES

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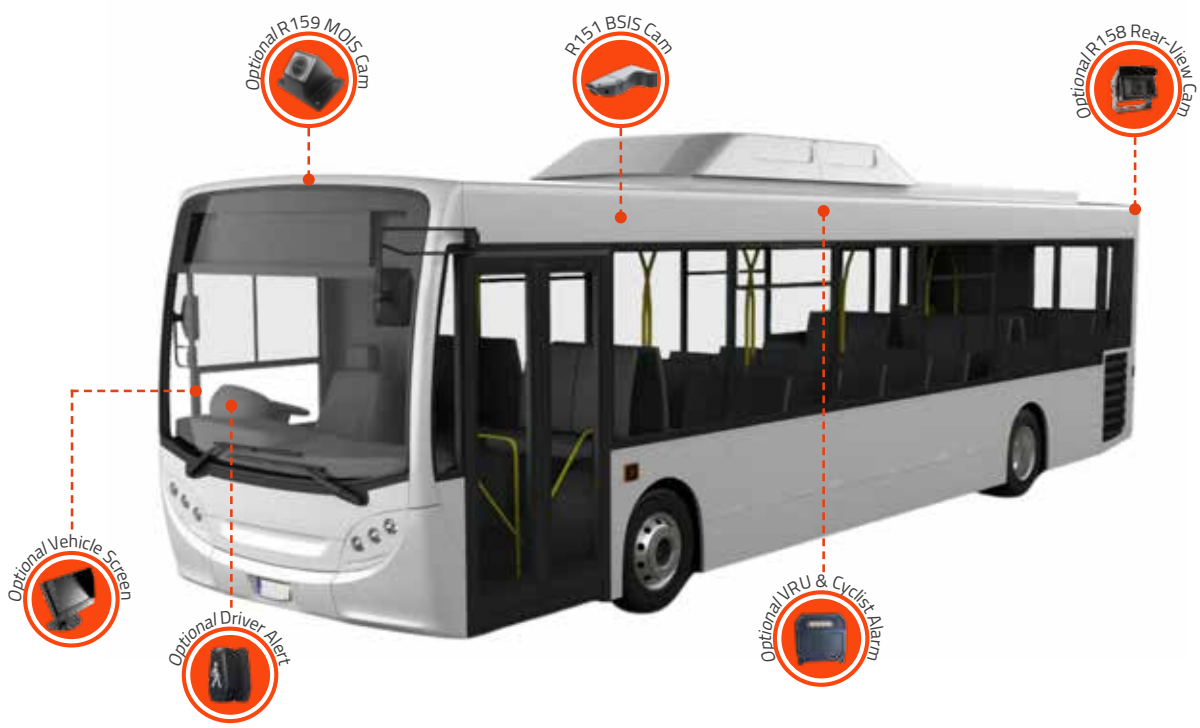
# ABOUT OUR BLIND SPOT DETECTION SYSTEM




The system eliminates all vehicle blind spots, warning the driver and VRUs of imminent danger through an audible and visual alert.

**Full blind spot detection includes:**

1. A Dual-Vision Nearside Camera meeting BSIS R151 Standards
2. *Optional:* Front Blind Spot Camera meeting MOIS R159 Requirements; and
3. *Optional*: Rear-View Blind Spot Camera meeting R158 Requirements

## Key Advantages

**COMPLETE BLIND SPOT ELIMINATION**
With no shortfall in detection around the front, nearside and back of the vehicle.

**SUPERIOR AI VISION-BASED TECHNOLOGY**
Accurately distinguishes between VRUs and street furniture.

**AUDIBLE AND VISUAL ALARMS INSIDE AND OUTSIDE VEHICLE**
Prompting driver AND road user of danger.

**SELF LEARNING BLIND SPOT CAMERA**
Continuously updated algorithm for enhanced accuracy unlike ultrasonic or radar-based systems.

**OUTSTANDING IMAGE QUALITY IN ALL CONDITIONS**
Including night and low light, rain, snow and fog etc.

**HD RECORDING OPTIONAL**
Possible to connect to multi-camera recorder.

**** Can be OEM Integrated or Retrofit Solution.**

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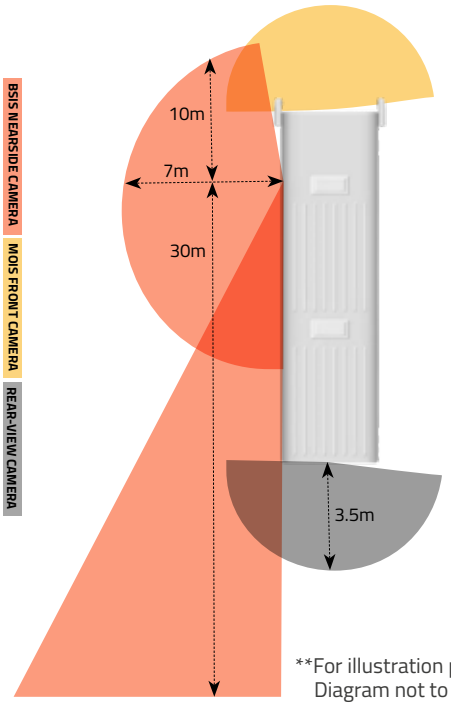
# HOW IT WORKS

## Complete Blind Spot Elimination

The **BSIS Dual-Vision Nearside Camera** provides the driver with a view 30m back, up to 10m forwards, and 7m out from the nearside blind spot.

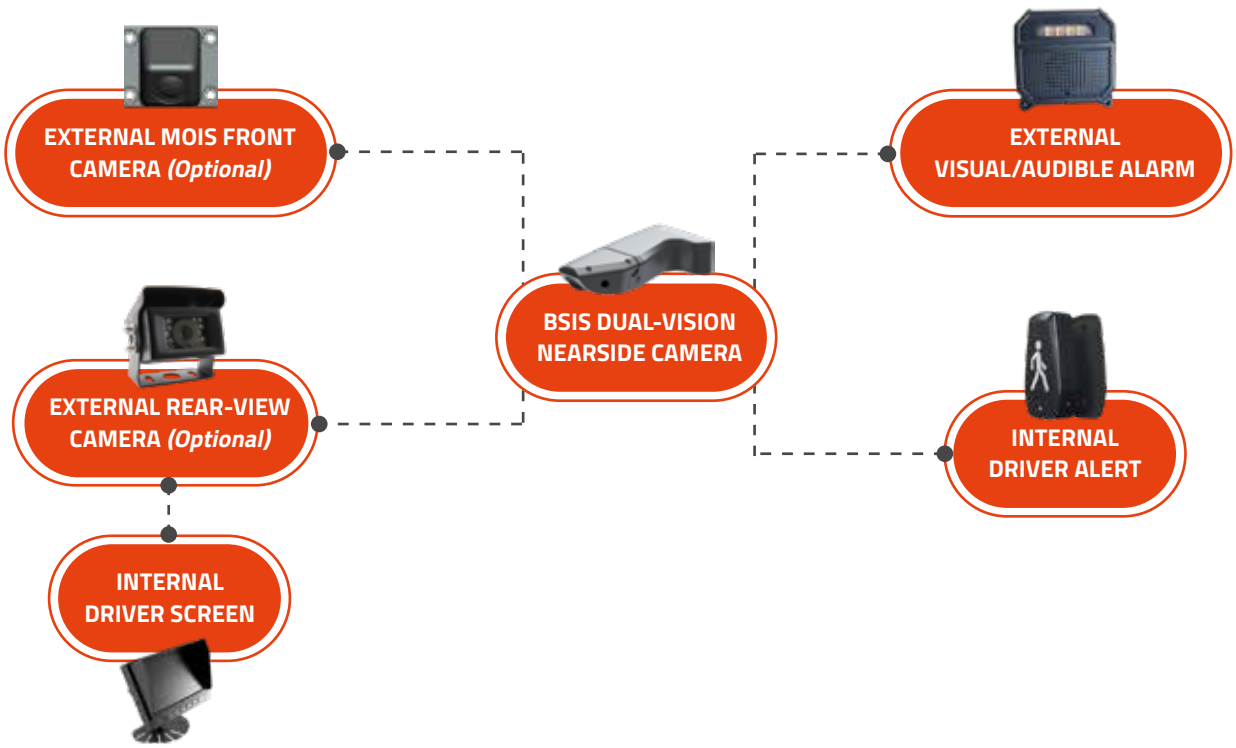
In addition, the **MOIS Front Camera** includes an ultra-wide angle of vision to eliminate blind spots in front of the vehicle.

The **Rear-View Camera** has a wide angle of vision, seeing objects 3.5m back.




**For illustration purposes only.
Diagram not to scale.

## Components




** Standalone or connects to DVR for a cloud-based upload of all near misses and incidents, tagged as events.

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# BLIND SPOT DETECTION PACKAGES

Package 1

## BSIS SYSTEM
## - Side Detection

**Includes:**

- Dual-vision BSIS Nearside Cam
- External VRU Alarm
- In-Cab Driver Alarm
- In-Cab Vehicle Screen

**Optional Upgrade:**

- TrackEye® DVR

Package 2

## BSIS + MOIS
## - Nearside & Front

**Includes:**

- Dual-Vision BSIS Nearside Cam
- Front MOIS Blind Spot Cam
- External VRU Alarm
- In-Cab Driver Alarm
- In-Cab Vehicle Screen

**Optional Upgrade:**

- TrackEye® DVR

Package 3

## BSIS + MOIS + REVERSING
## - Nearside, Front & Rear

**Includes:**

- Dual-Vision BSIS Nearside Cam
- Front MOIS Blind Spot Cam
- Rear-View Blind Spot Cam
- External VRU Alarm
- In-Cab Driver Alarm
- In-Cab Vehicle Screen

**Optional Upgrade:**

- TrackEye® DVR

**Easily integrated with our VideMatics® central platform or any other 3rd party platform for full visibility of incidents and quick escalation of risky events.**

Proud to be working with:

national highways · RAC · DAF · First Bus · FERNS

CONTACT US

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