



“
Vehicle
reversing/
turning left/right
”



4-Camera Vulnerable Road User Detection System (Non-connected)

► Overview

The 360° surround view AI pedestrian detection system drastically improves safety in congested urban areas. AI cameras provide a real-time view of the vehicle blind spots and automatically issue audible and visual alerts warning the driver of nearby cyclists, pedestrians and other vulnerable road users. Featuring the Blind Spot Information System (BSIS) and Moving Off Information System (MOIS), these advanced technologies have been carefully selected to comply with pending legislation designed to prevent incidents on our roads.

They can operate independently or as integrated solutions and connect to our cloud-based fleet management platform for advanced monitoring.



Vulnerable road user detection



Platform connectivity



Audible & visual warning alerts



1080P Full HD



Wide-viewing 150° angle



IP69K rating



Rear-view camera



A-Pillar LED



Side-view BSIS camera



Driver display



Front-view MOIS camera



Turn alert speaker



Logic controller



GPS / Gyroscope



Monitor (optional)



Quiet-time silencer



Side-view BSIS camera



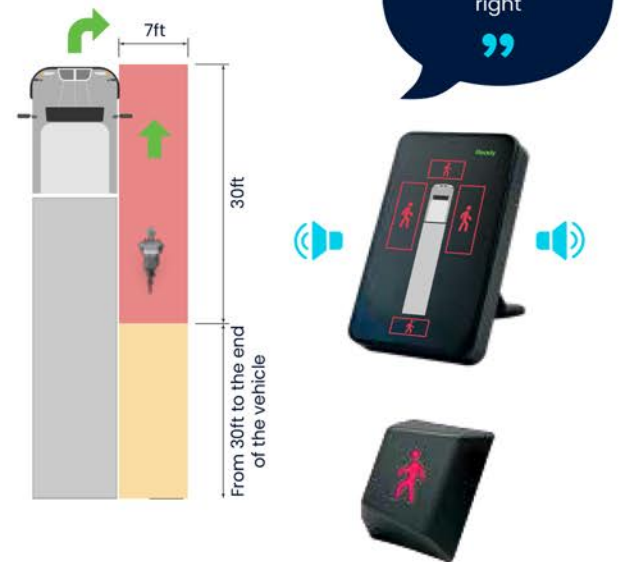
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How it works

The Blind Spot Information System (BSIS) camera functions at speeds below 18mph, alerting drivers to vulnerable road users such as pedestrians, cyclists, motorcyclists, and other objects. At speeds above 18mph, the camera continues recording with an optional MDVR, but without audible alerts.

When a Vulnerable Road User (VRU) is detected within 7ft vertically and 30ft horizontally from the nearside (these distances are all definable), and the vehicle is turning left (regardless of indicator use), the driver display shows a red icon and sounds an audio alarm. Additionally, the A-Pillar LED flashes a red warning.

Example of the in-cab driver display:



The Moving Off Information System (MOIS) alerts drivers at speeds between 0 and 3mph. Beyond 3mph, the camera records with an optional MDVR, but without audible alerts.

At speeds between 0 and 3mph, if a Vulnerable Road User (VRU) is detected in front of the vehicle, the driver display will show a red icon and emit an audio warning.

Example of the in-cab driver display:



▶▶ AI camera kits for commercial vehicle fleets



Corner and side-view
BSIS cameras



Turn alert
speaker



Front-view
MOIS camera



GPS / Gyroscope



Driver display



A-Pillar LED



Logic controller



Quiet-time silencer*



Rear-view camera



AHD 7-inch 4CH monitor
(optional)

*Manual override for external speaker with auto-reset on ignition.

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