

LOW BRIDGE DETECTION SYSTEM

Bridge strikes can have serious consequences for fleets, affecting safety, finances, and operations.

The Durite Low Bridge Detection System utilises **Smart AI-powered camera¹** technology to detect and alert overheight vehicles to the presence of low bridges and read safety height signage.

High Accuracy 10Hz GPS, paired with the UK low bridge database provides precise location-based alerts. With the use of the vehicle's trailer and cargo heights, the system provides accurate warnings and alerts to the driver via the connected **R-Watch Display²** within the vehicle.



AI Integrated Smart Camera

Detecting bridges & height limit signs



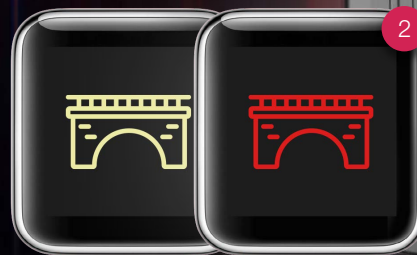
1.4" R-Watch Display

Combining visual & audible alerts



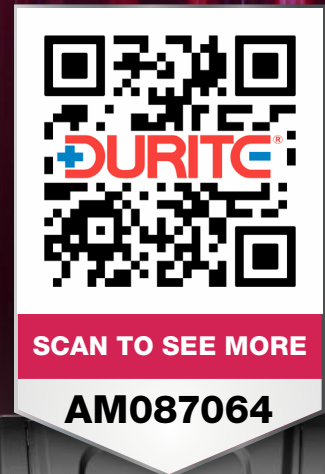
High Accuracy 10Hz GPS

Accessing the low bridge database



Bridge
Detected

Stop, Low Bridge!
Do not proceed



PART NO	SYSTEM TYPE
AM087064	Low Bridge Detection System to plug into existing DVR*
AM087063	Standalone Low Bridge Detection System*

*AM087064 and AM087063 are supplied with R-Watch display, High Accuracy GPS Aerial and Cabling.

Optional Adjustment keypad AM087066 is available to perform regular HGV & trailer height adjustments. For more info, contact your local Scania representative.



BRIDGE STRIKE KIT

THE COSTS OF BRIDGE STRIKES

The responsibility for covering the costs of bridge strike damage typically falls on the vehicle operator or their insurance provider.

Fleet Operators & Drivers

If a commercial vehicle strikes a bridge, the fleet operator or driver may be held liable for repair costs, including damage to the bridge, road closures, and rail delays.

Network Rail & Local Authorities

In cases involving railway bridges, Network Rail may seek compensation from the responsible party for repair costs and disruption to rail services.

Legal & Regulatory Consequences

If negligence is proven—such as failing to check vehicle height or ignoring warning signs—fleet operators may face fines, legal action, or even the loss of their operator's license.

Insurance Coverage

Repairing damaged vehicles and bridges can be expensive and insurance premiums may rise. Most fleet insurance policies cover bridge strike incidents, but repeated occurrences can lead to higher premiums or policy exclusions.

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Most traditional systems use GPS only, making it ineffective in rural low GPS areas and built-up cities where large buildings lead to GPS interference and signal loss. Durite utilises a combination of the latest AI technology and GPS to ensure the most accurate results.

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KEY BRIDGE STRIKE STATISTICS

- ✓ An average of 5 bridge strikes happen a day in the united kingdom
- ✓ Each bridge strike delays trains by an average of 2 hours
- ✓ Bridge strikes cost the UK taxpayer £23 million per year
- ✓ Around 1,800 vehicles crash into rail bridges each year

