

ROADflow Signal

ROADflow Signal is a certified traffic enforcement system designed to enhance public safety at railroad level crossings through strict photo enforcement. Installation is non-intrusive, requiring no inductive loops or other connections to crossing equipment, ensuring existing trackside safety certifications are maintained.



Level crossings represent one of the greatest risks to public safety on the railway infrastructure, with increasing numbers of incidents attributed to misuse. Motorists routinely attempt to beat the train at open crossings, zigzag round half barriers, and even try to go through full barriers before the second barrier has closed.

ROADflow Signal uses advanced video analytics to detect flashing red lights, enabling photo enforcement. Evidence packs are only generated when the red stop signal is activated and vehicle has crossed the stop line. The system is completely automatic and operates 24/7, requiring no user intervention.



ROADflow Signal is also available in a lightweight “Metro” version designed specifically for congested urban streets.

ROADflow Metro can be easily installed onto existing lighting columns or other street furniture





Designed for Ease of Maintenance

ROADflow Signal has a contemporary design with a counterbalanced camera head that can be lowered for ease of maintenance. All service operations can be safely undertaken at ground level, with no ladders required. The camera unit itself is a modular design with most components mounted on DIN Rail for ease of replacement. A spare DIN rail is incorporated for future upgrades, and all glass and modules are replaceable on site.

Security Features

The ROADflow Signal camera head is mounted in an IP55 rated steel housing that incorporates a number of robust security features, including a multi-locking mechanism for access and anti-tamper switches at various points.

Contact Us

For further information please contact the ROADflow team on +44 1373 852 022 or by email to roadflow@sea.co.uk

KEY BENEFITS

- ROADflow Signal reduces dangerous motorist behaviour at level crossings through strict photo enforcement
- Uses Automatic License Plate recognition (ALPR/ANPR)
- Easily installed, no need for inductive loops or modification to existing crossing equipment
- Non intrusive, uses video analytics to detect flashing red lights
- Offense images captured in all lighting conditions
- No impact on trackside safety certification
- Aim is to reduce fatalities & serious incidents at rail crossings by 75%

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