

ZenGrab LaneWatch

Digital Enforcement Camera

ZenGrab LaneWatch is a digital wireless traffic enforcement camera that provides unattended Closed Circuit Television based video evidence of bus lane and moving traffic offences. It has been designed to provide an effective and efficient means of traffic enforcement without the need and cost of more traditional CCTV cameras and their operators.



Camera Head

The camera head consists of two CCTV modules, one for a close up view of a vehicle number plate and one for a wide angle view of the context of any possible offence. The Camera Head has its own Infra-red illumination to aid identification in all weather conditions and has an operating range of up to 50 meters.

Contravention Evidence Processor

Triggered by traffic driving in a bus lane or committing a moving traffic offence such as banned turn, video images of the offence taking place are automatically recorded in digital D1 high resolution. Pre and post trigger recording periods can also be set to ensure that sufficient evidence is captured to enable a reviewer to establish if a contravention has taken place.

The contravention video clip together with its associated meta-data such as the time and date the contravention took place, the camera number and location and the vehicles number plate details are stored in a secure encrypted state on the processors hard drive, ready for download to the evidence review facility.

Automatic Number Plate Recognition (ANPR)

ANPR can be used to trigger the Evidence Processor and to identify vehicles using a bus lane or gate. Used in combination with the ZenGrab Vehicle ID module, information about the identified vehicle can automatically be provided. This information can include the make, model, colour, number of seats, weight, CO2 rating etc.

Video Content Analysis (VA)

VA can be used when more complex traffic movement needs to be monitored to determine if a contravention has taken place. For example, triggering when a banned turn is detected or when a vehicle has travelled a pre determined distance in a bus lane. Again the ZenGrab Vehicle ID module can be used to gather supplementary vehicle information to strengthen the supporting video evidence.

Evidence Transmission

The LaneWatch camera comes as standard with a 3G/4G wireless evidence transmission system. However, it is also available with Mesh, Wi-Fi, ADSL and Fibre transmission interfaces.

Evidence Review

Evidence received from the LaneWatch camera via the Internet can be reviewed using the ZenGrab Review Client software running on a typical office PC. Review tools allow the operator to grab still images of the video for printing on the resulting Penalty Charge Notice which is sent to the registered vehicle owner. Other tools allow the reviewer to hide persons or vehicle identifies that are in the image but not associated with the contravention.



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General Product Information

Dimensions:	Camera Head: H 163 x W 163 x 114 mm Evidence Processor: H 400 x W 230 x D 110 mm Standard Bracket: H 50 x L 300 mm
Weight:	Camera Head: 3.2 Kg Evidence Processor: 11.2 Kg Standard Bracket: 2.6 Kg
Environmental:	IP68
Temperature:	Storage: -20° to +60° C Operation: -10° to + 55° C
Approval:	VCA Manufacturers Certification

Certification

Zenco Systems can provide Manufacturer's VCA certification for the ZenGrab LaneWatch Unattended Enforcement Solution. This avoids the need for the end-user to produce a Technical Construction File and submit it to the VCA for certification after the system has been installed. Where the ZenGrab LaneWatch cameras are used as part of a larger ZenGrab Digital Enforcement Suite, incorporating attended CCTV enforcement and/or mobile vehicle enforcement, Zenco Systems can assist in the production of a Technical Construction File and VCA submission.

ZenGrab Digital Enforcement Suite

The ZenGrab Digital Enforcement Suite consists of a range of products specifically designed to improve the effectiveness and efficiency of parking and traffic contravention enforcement.

Zenco Systems

Zenco Systems are the leading provider of digital traffic and parking contravention enforcement solutions in the UK. Zenco have a wide range of VCA compliant hardware and software systems which are being used by local authorities across the country and abroad every day.

Working with our key Channel Partners, Zenco can provide a turnkey solution to your parking enforcement needs.

Contact

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Features

- Automatic Contravention Detection
- Bus Lane and Moving Traffic Enforcement
- ANPR or Video Content Analysis Trigger
- Secure Wireless Data Transmission
- Re-locatable
- Compatible with all major Parking Systems
- VCA Certified



Benefits

- Low Installation & Operating Costs
- Improved contravention detection rates
- Improved quality of evidence
- Secure Data Transmission
- Low Risk
- Proven Solution
- Comprehensive Support

