FIRST USE

Videalert developed the UK’s fully digital unattended system for enforcement of moving traffic offences. Following an initial installation at the London Borough of Redbridge, it has now been deployed in seven boroughs. It combines video analytics with Automatic Number Plate Recognition (ANPR) to track vehicles automatically, and so only captures vehicles committing contraventions in even complex traffic scenarios, without generating many false alerts.

Videalert also developed the first similar system for school ‘keep-clears’, which now has been successfully deployed at 50 schools. Using a single camera at each location, it detects vehicles stopping on the ‘keep-clears’ for a predefined period and automatically zooms in to capture evidence.

APPLICATION

The London Borough of Barnet has deployed the Videalert system at 26 locations to enforce box junctions, banned turns and restricted access. Videalert delivers effective and reliable unattended enforcement in high traffic flows by combining ANPR with video analytics. This provides additional intelligence to accurately capture only vehicles committing an offence, something not achieved using traditional systems.

The system has also been installed outside 20 schools, where it automatically captures video evidence of vehicles stopping on ‘keep-clears’. With one camera, it continuously monitors restricted areas, captures only vehicles that actually commit an offence, generates video evidence packs and transmits them to the Council. There are plans to increase the system to over 100 cameras, making this the UK’s largest deployment.

BENEFITS

Automating enforcement ensures higher levels of productivity at a lower cost than manual systems - up to a six-fold increase in contraventions. It can also deliver substantial cost savings by reducing the number of staff required to attend the cameras. For example, some London boroughs have more than 60 operators manually attending enforcement cameras.

Costs are further minimised by combining infrastructure wherever possible, as Videalert’s re-deployable units can support multiple cameras without a ‘processor on a pole’ for every activity. This helps future proofing because it supports multiple applications, eliminating the need for standalone solutions. Several councils are now using the same platform in the same way as the London Borough of Barnet to improve both safety outside schools and enforce traffic contraventions.

Further information:

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