

Real-time video-based traffic counting and classifying using AI

IRD is offering a revolutionary new video-based traffic counting and classifying system that uses artificial intelligence (AI). The system is easy to install on existing poles at the roadside. A user connects to the system using a tablet via wi-fi, enters a station description (number of lanes), and reviews the camera position. That is all that is required to start counting. The system easily handles classification over three lanes in a single direction, or four lanes bi-directional at highway speeds.

IRD says its solution can outperform radar systems when classifying vehicles into six size-based classes and is capable of classifying vehicles based on the standard 13-category FHWA class definitions used in the US. Video performs better than radar at counting traffic in highly congested or stop-and-go conditions.

Data is delivered via reporting software, a real-time



data stream, or in standard spreadsheet formats. Data is verifiable through video review, with each vehicle separately captured and placed in order at the top of the video with the class and lane identified.

The top features of this revolutionary system include no video uploading for third-party processing; high-speed traffic data on three-lane roads; bi-directional traffic data; and safe and simple operation.

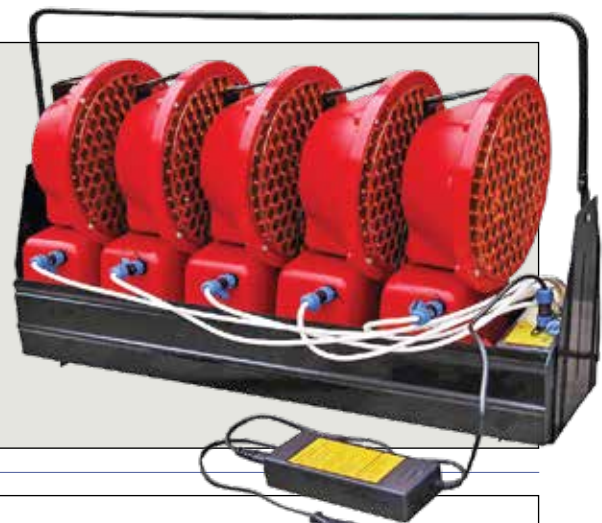
Additionally, IRD's new system is a convenient tool for quality control/assurance with saved video and images that provides reliable performance day or night in all weather conditions. www.irdinc.com

Wektor shows the way

Poland-headquartered Wektor, a manufacturer of warning equipment for road works, is highlighting a range of LED warning lamps, powered by Li-ion batteries with a charging option.

Wektor, formed in 1993 to specialise in the road sector, says Li-ion batteries offer significant advantages because they are fast charging and have a long life – twice

that of gel batteries. The company's units have cell damage protection against full discharge and have no memory effect, meaning that capacity does not decrease. Additionally, the company's Li-ion batteries are ecologically beneficial. Wektor says that batteries with other parameters can be made to order. www.wektor.sacz.com.pl



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