

## Statement of Technology REDFLEXspeed Fixed Speed Camera System

Laser Detection

The REDFLEXspeed Camera System measures the speed of each vehicle that pass through the detection zone and triggers a sequence of images should the vehicle travel equal or greater than the threshold speed set in the system.

The Camera System may record:

- 3 Still Images and 2 Video Sequences
- The databar may include Location
   Description, Date, Time, Frame, Speed
   Limit, Lane, Vehicle Speed and Elapsed
   Time. The Camera System imprints this
   data at the top of all full size still images.

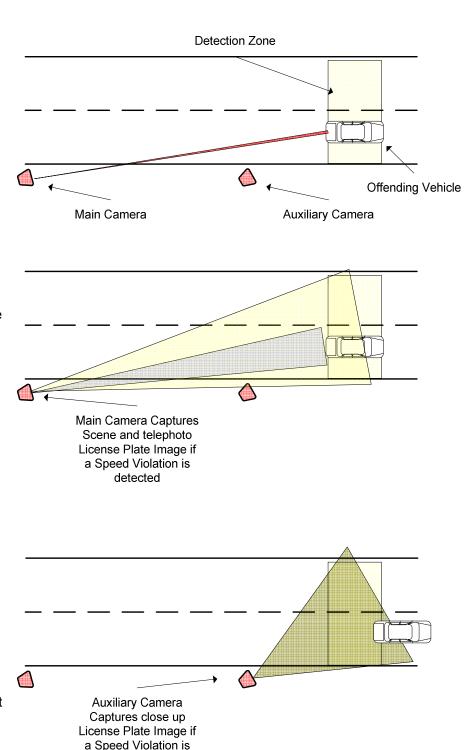
Each REDFLEXspeed system consists of a Main Camera (provides speed detection, Scene and telephoto License plate image and Video Sequence of offending vehicle) and a Auxiliary Camera (provides close up license plate image of offending vehicle)

The Main camera is connected to laser speed detectors, which are constantly active. The speed is determined by the laser speed detector after multiple samples. When the Main Camera detects a speed violation in the detection zone, the Main Camera captures a Scene image and a telephoto image of the offending vehicle.

As the vehicle proceeds through the detection zone, the Auxiliary Camera captures a close up image of the license plate of the offending vehicle.

A Video Sequence is captured from the Main Camera at predetermined amount of time before and after the violation.

The System uses encryption and a proprietary format to safeguard the image evidence against alteration. The system gives each still image and its data a unique signature to confirm its authenticity. Public key cryptography and additional encryption processes secure the transmission process.



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