

STATEMENT OF TECHNOLOGY: FIXED SPEED CAMERA SYSTEM

The Camera System measures the speed of each vehicle that passes over the inroad sensors, and triggers a sequence of images, should the vehicle travel equal or greater than the threshold speed set in the system.

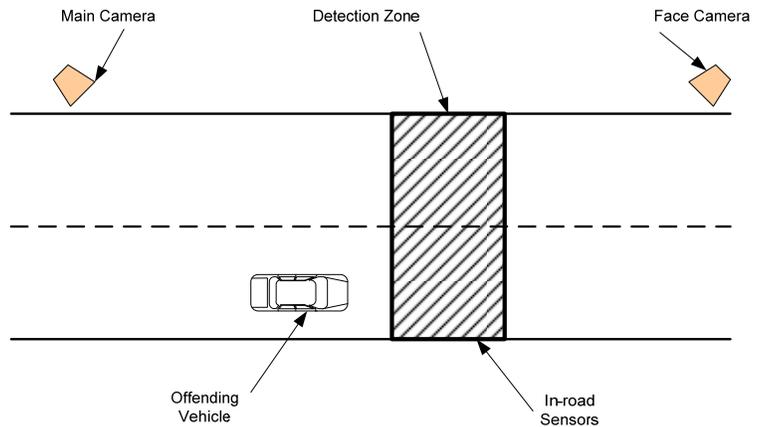
The camera system may record:

- 2 still images and 1 video sequence
- 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 system consists of a Main Camera, which provides the rear license plate image and a video

sequence of the offending vehicle, and a Face Camera, which provides an image of the driver in the offending vehicle.

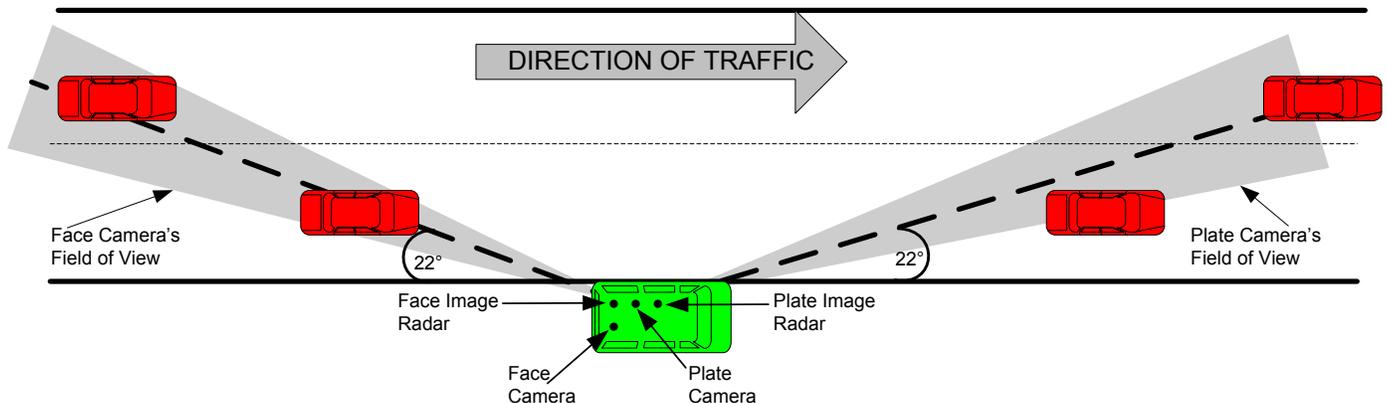
The Main Camera is connected to the inroad sensors, which are constantly active. The speed is determined by performing a time-distance calculation. When the Main Camera detects a speed violation in the inroad sensor detection zone, the Face Camera captures an image of the driver in the offending vehicle.



As the vehicle proceeds over and leaves the inroad detection zone, the Main Camera captures an image of the license plate of the offending vehicle. A video sequence is captured from the Main Camera at a 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.

STATEMENT OF TECHNOLOGY: SMARTCAM MOBILE SPEED VAN SYSTEM



The SMARTCAM Speed Photo Radar System measures the speed of motor vehicles. The "face" image radar determines the vehicle's speed and its presence. The "plate" image radar detects vehicle presence only. As a vehicle passes through the face image radar's beam, it determines if the vehicle is traveling at a speed greater than or equal to the enforced speed limit. If so, the photo radar system automatically triggers the cameras and flashes to capture images of the vehicle.

The SMARTCAM Speed Photo Radar System operates with two or more integrated digital SMARTCAM cameras. The front-image camera faces out of the vehicle's rear window to capture the face and (if present) license plate. The rear-image camera is positioned to face out of the rear-side window to capture images of the departing vehicle's license plate.

The camera system records two separate images for each speeding violation. The violation date, time, location, detected vehicle speed and posted speed limit are imprinted onto the databar, which is displayed at the top of the images.

The System uses encryption to **safeguard the image evidence** against alteration. At the scene, the System gives each image and its data a **unique signature** to confirm its authentic status. **Public key cryptography** and additional encryption processes secure the transmission process.