



REDFLEX[®]speed

Fixed System

REDFLEXspeed is the leading speed violation monitoring system in the photo enforcement industry. It provides moment-by-moment situational awareness of problem traffic areas, as well as applications for achieving the most effective responses. And it provides a superior level of data that is consistently recognized and accepted in United States judicial systems.

Within the industry, only Redflex has developed a fully automated secondary speed verification system that corroborates the system's accuracy automatically with the use of third-party speed measuring devices. Using proprietary software developed by Redflex, the system produces digital evidence packages *only* when both the independent speed measurements match within a defined tolerance.

REDFLEXspeed features a primary detection system, which uses our patent-pending measurement algorithms to obtain multiple speed measurements, wheelbase measurements, axle count, and vehicle classification. It also features a secondary verification system, patented by Redflex, to provide each city with a custom solution

based on the architecture of the intersection and the city's unique requirements. The result is unsurpassed accuracy within the industry.

Redflex Traffic Systems, Inc. is the industry leader in vehicle monitoring and enforcement services for government, police, and traffic departments across the United States. Our photo enforcement systems feature multiple integrated and synchronized high-resolution digital cameras to provide maximum flexibility for your unique needs.



REDFLEX[®]speed Fixed System

- Ability to combine speed monitoring with REDFLEXred[®] for multi/combo monitoring systems at traffic intersections
- Can be installed mid-block and along freeway/highway in city and rural locations for 24/7 speed monitoring
- Fully automated primary and secondary speed measurements utilizing different technologies provides irrefutable speed measurement data. Tertiary speed measurements are also possible with the use of SmartScene Redline™
- Small footprint allows for "cabinet-less" type installations
- Can monitor up to four lanes of traffic simultaneously
- Provides remote system access for adjustments, maintenance, and transfer of incident data and statistics
- Utilizes all broadband methods of communication, including cable, DSL, ISDN, wireless broadband (EVDO), point-to-point, and fiber networks
- Cisco VPN hardware, managed by trained staff to ensure high security
- Secure onsite storage and continuous operation during communication outages
- A variety of vehicle detection systems available for primary and secondary speed monitoring. These include inductive loop, piezo, infrared, and LIDAR technologies
- CA vehicle code-compliant, ultra-fast visible strobe for full-color imaging. IR capabilities also available



- SMARTcam™ software, industry-leading functionality, stability and flexibility. Provides multiple auxiliary camera capabilities to gain multiple fields of view (rear, front, multi-front photography)
- SMARTscene™ subsystem for full-motion video provides situational awareness before and after incident. Patent-pending combination of high-resolution digital stills with full-motion video produces irrefutable evidence
- SMARTscene Live!™ provides live streaming video to browsers, using high-performance compression algorithms and multiple simultaneous camera views. Also provides video recording capabilities
- Dynamic Pixel Utilization - more pixels are used in areas where they are more effective through the use of multiple cameras and multiple fields of view
- Health monitoring system ensures proactive maintenance to resolve potential field operation issues
- Multiple digital still camera options are available to suit multiple applications, including 2M, 6M, 10M, 11M and 12M pixels with wide dynamic range, fully automatic iris/aperture, gain and light-metered override functions
- Traffic data packages provide all the types of vehicle count statistics that can be obtained online



Data Storage, Security, Effectiveness

All systems are username and password protected, and equipment features tamper-proof locks. Incident data is digitally signed, and information and remote connectivity are encrypted. Clear digital images and motion video show the status of the traffic signal and the location of the violating vehicle inside the intersection before and after the incident. The SMARTops™ back-office data processing center provides turnkey solutions for data, violation, court evidence, and violation notice processing. Wireless or hardwired Internet capabilities are provided.

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