

# ArmGard™

Your children's safety  
is our only concern

*By law, when a school bus stops to drop off or pick up students, motorists must stop too. Unfortunately motorists often do not, creating a dangerous situation for nearby children. Every one of the 50 states has a law making it illegal to pass a school bus from either direction with its red lights flashing and the stop-arm extended. However, some motorists simply choose to ignore the law.*

## Illegal Passing: The Problem

Reducing the incidence of illegal passing of stopped school buses is easier said than done. The solution to this complex problem requires the involvement and cooperation of many groups (motorists, school bus drivers, law enforcement officers, prosecutors, and local judicial officials) to make sure the law is obeyed, violations are reported, and the law is enforced.

## Deterrence and Enforcement: The Solution

ArmGard™ is a total solution for the enforcement of the bus stop-arm laws. A specially designed high-resolution, multiple camera system is installed on the school bus at an angle that captures a stream of front and rear images of vehicles that pass by in either direction. The cameras begin recording when the stop-arm is extended. The Linux based system includes an interface for the bus driver to confirm that a violation has occurred and tags the data for later retrieval and review.

The captured images include the extended stop-arm, the driver and vehicle characteristics as well as the vehicle license plate(s). A GPS is used to store the location of the bus at the time of the incident. The associated data is downloaded via a wireless link when the bus returns to the school. The TDS ArmGard™ system is designed to maximize the quality and accuracy of the data surrounding the incident and to provide enforcement personnel with a complete evidence package.

ArmGard™ captures high-resolution, front and rear images to ensure the most probable chance of obtaining readable license plate photos and detailed facial features, the two critical needs for school bus stop-arm enforcement.

Transport data systems offers violation processing services to aid in the entire evidence retrieval and ticketing process.



*According to a 1996 Illinois Department of Transportation survey of 250 school drivers, during a 41 school day time period, 3,450 violations were reported. Based on the findings, the estimated number of stop arm violations each year in Illinois is over 1,900,000, making it a major traffic safety problem. This nationwide epidemic has only gotten worse.*



• No bus driver interaction required

• Day or night operational

• 5 MP & 2 MP high resolution cameras

• Back office services available

## Contact info

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