

FleetGard™

The safety of your ridership and your drivers is our primary concern.

Our FleetGard solution gives transit agencies the ability to provide a safer environment for bus passengers and drivers while protecting the vehicles from theft and vandalism. The 3G/4G interface allows for real time monitoring of activities on the bus as well as real time feeds of video sequences. The system provides complete real time video surveillance of the inside of the bus and the entry if required. Driver initiated alert messages can bring immediate attention to incidents and improve transit control room response times. These video sequences can then be used later as needed during criminal proceedings or other litigation.

Deterrence and Liability Reduction: The Solution

Our FleetGard solution gives transit agencies the ability to deter incidents and limit their liability. A key benefit of the solution is the ability for transit control staff to quickly and wirelessly offload flagged video files associated with specific incidents from the bus processor. This eliminates the need to manually offload data and search through files when investigating an incident, saving the agency significant time and cost. This technology also includes the capability for public safety officials to view live footage from the bus's cameras during an emergency, from up to a block away.

The TDS bus processor uses an off-the-shelf Intel processor running an open source Linux operating system. The various real time applications that run on the computer are designed to allow for customization of the system in order to meet specific customer requirements. The use of a standard product ensures long life for the bus processor system as Intel develops newer and faster products. Standard DVR products normally use a proprietary hardware design and a proprietary operating system along with a software design which is very limited in functionality and difficult to customize for particular customer needs.

The Intel Processor processes all bus generated sensor and video data. The processor is configured with a web server (Apache) to provide a browser based interface for maintenance. The system operates in a standalone mode which does not require any user intervention to restart the system in the event of a shutdown/reboot cycle. Time synchronization is accomplished using NTP using the time synch information provided by the GPS unit.

The back office software is a web based interface that allows users to configure, operate and maintain the entire set of buses that have the Fleetgard system installed.



- Built-in Intel NUC processor

- Supports 4 channels POE with IEEE802.3af

- Garmin GPS-18X-LVC GPS Unit

- Remote video segment requests

- Back office dashboard allows for real-time tracking and status of entire fleet.

- Designed to operate in the transit bus environment

- TDS will supply a complete system solution including back office processing, installation and maintenance.

- Live Video Streaming

Contact info

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