

## SOLUTION BRIEF

In-Vehicle Surveillance  
Vehicle Fleet Monitoring

# Lanner and Genetec Onboard Intelligent Fleet Monitoring

**Lanner's V6S rugged NVR provides a unified platform for Genetec's onboard Fleet Monitoring Solution.**



### Overview

Today's fast-paced public transit is evolving with technology to deliver a secure, vigilant and efficient method of transportation for everyday life. Using ruggedized onboard NVR's (Network Video Recorder), fleets have a reliable centrally managed and connected system for HD cameras, vehicle diagnostics, remote assistance.

### Challenge

Rapid urbanization requires significant improvements to public transportation. Modern public transit systems have a focus on safety while keeping people on schedule. This means public transit agencies need to develop and maintain efficient operations and processes to provide a satisfying secure experience for passengers.

Public transit agencies need a fast-acting solution that can centrally monitor, control and report status, incidents, and emergencies to the proper authorities along with any gathered data and video feeds.

### Solution

The onboard fleet Monitoring solution is built on top of Lanner's V6S , a fanless shock and vibration-protected x86 in-vehicle NVR. Providing a reliable all-in-one platform for mobile network video surveillance, diagnostics and access control.

Operated and controlled by Genetec's© unified platform, Security Center, their solution monitors, collects and distributes public transit fleet video feeds and data through a centralized platform.

# Lanner Intelligent Fleet NVR

## Surveillance, Security and Mobility



**Wireless Connectivity**  
2x mPCIe slots with support for both Dual-SIM LTE and Wifi on the same device.



**10x Gigabit PoE**  
Connect and supply power to up to 10 Full HD cameras.

### Lanner V6S

10-Port PoE Fanless Vehicle NVR  
Powered by Intel® Core™ i7-7600U  
MIL-STD-810G and E-mark certified  
Mini-PCIe with dual SIM for LTE/Wi-Fi



**Fanless & Ruggedized**  
Vibration and shock protected mounting, external powersupply with optional backup battery.

## Genetec Security Center Fleet Monitoring

Easily monitor your fleet's location, onboard video and telematics



### Security Center Fleet Monitoring Architecture

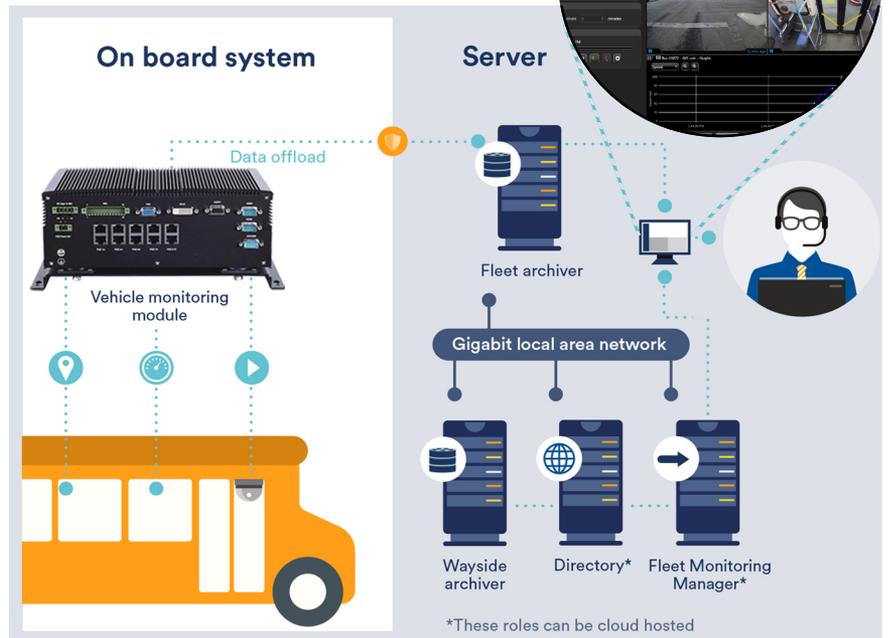
Vehicle sensors connect to the Security Center Vehicle Monitoring module onboard a hardened in-vehicle computer. This onboard module prioritizes and transfers video and data to the server-side system. A dedicated storage server, an archiver, collects, organizes, and stores the data. Operators connect to the server-side system for live monitoring and investigations.

### Comprehensive Unified Security

Security Center is the unified security platform from Genetec that blends IP security systems within a single intuitive interface to simplify your operations. From access control, video surveillance, and automatic license plate recognition to communications, intrusion detection and analytics.

### Synchronized Route Playback

Security Center Fleet Monitoring collects all vehicle data and synchronizes it onboard. Linking vehicle telematics to onboard video recordings facilitates an incident investigation. Instead of sorting data through various systems, operators can focus on resolving incidents.



## Results

With Lanner's V6's, Security Center's Fleet Monitoring features can efficiently monitor 100's of buses remotely, synchronize onboard data and allow staff to collaborate across agencies and scale their solutions at any time.

### About Lanner

Lanner is a leading OEM with more than 30 Years of experience designing, building and manufacturing embedded and network computing hardware. From x86 rack-mount systems to wide-operating temperature rugged industrial hardware, our appliances cover a diverse set of popular and niche applications.

### About Genetec

Genetec is a Leader in IP Video Surveillance, access control and Automatic License Plate Recognition. Developing open-platform software, hardware and cloud-based services for the physical security and public safety industry. Its flagship product, Security Center, unifies surveillance, access control and automatic number plate recognition