WIRELESS VIDEO
DOWNLOADING

WHY YOUR FLEET NEEDS IT

SAFE FLEET

Driving Safety Forward™

WIRELESS VIDEO DOWNLOADING
and How Much You Can Expect to Save
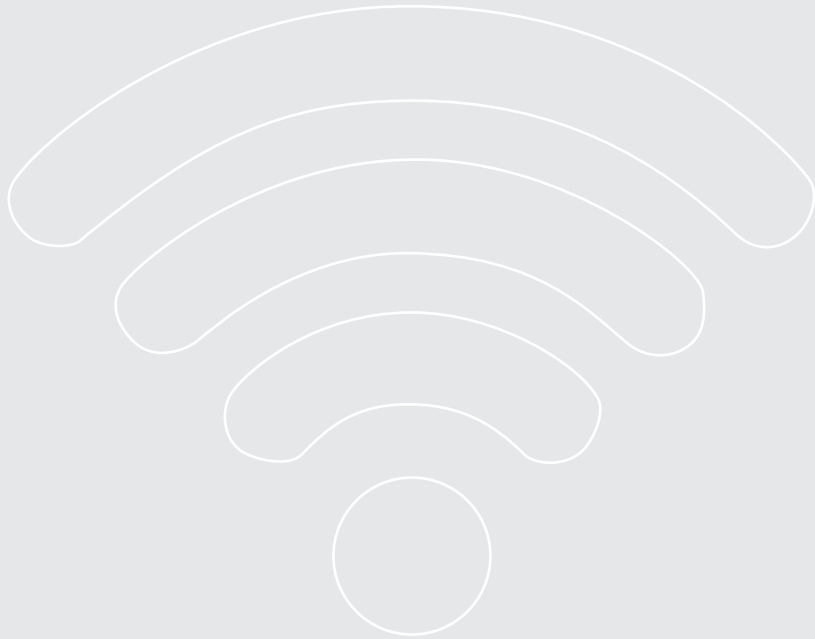
Wireless Video Downloading is fundamental to the overall success of your video surveillance solution. It reduces the risk of not having video when you really need it and saves a transportation team hours and hours in manual processing time.

A basic wireless system, as we all know, is relatively easy to set up. Most of us enjoy Wi-Fi networks in our own homes: quite a few of these networks having been completely setup with very little help from wireless experts.

A wireless network that can handle the volume of data that is automatically associated with video, provide reliable up-time, and superior levels of security is another thing altogether. This type of network requires a level of expertise that very few video surveillance system providers offer.

It's important to note that bringing in wireless networking experts does not necessarily equate to significant amounts of operational downtime, budget or a long lead-time before you hit the ground running.

Implementing wireless video downloading (when you've entrusted experts to help you design and install your infrastructure) is easier **than you think** and it can start delivering real tangible **value within days of installation.**

CERTIFIED WIRELESS NETWORK PROFESSIONALS (CWNP) have the knowledge and experience to design wireless infrastructure to support heavy video transmission loads, providing:

- ✓ **enhanced security**
- ✓ **uniform coverage across yard(s)**
- ✓ **system robustness and reliability**

A FLEET OF ROUGHLY 30-50 BUSES

Could have a full wireless infrastructure installed and in use in

1 WEEK

TIME and COST SAVINGS would begin the

SAME WEEK

WIRELESS VIDEO DOWNLOADING
and Return on Investment Potential

RETURN ON INVESTMENT POTENTIAL

Number of Buses. **100**

Video Requests per Day **5**

Labor Costs for HD Retrieval (hourly) **\$20/hr**

Average Time to Retrieve HD
& Download Video. . . . . **1 hr**

Monthly Cost of Video Retrieval **\$2,000**

Missed Video Footage per month **1%**

Hard Drives Damaged per month **1**

Average Recorder Hard Drive
Replacement Costs **\$260**

**Current Monthly Video Retrieval
and Handling Costs**. **\$2,260**

So let's talk ROI for a fleet with roughly 100 buses and an average of 5 video download requests per day. Consider that the time it takes to source a specific bus, make your way out to the bus, remove the hard drive, bring it back to the office, extract and view the footage in question and return and re-install the hard drive on the bus could take anywhere from 30 minutes to well over an hour. Also factor in an average video retrieval hourly rate of \$20. The potential dollar savings, even with this lower video download request threshold could potentially equate to \$3,000 to \$4,000 each month. But that's only part of it; to get an even more accurate idea of the ROI we need to take a step back and look at the reason(s) a fleet implements a video surveillance system.

The main reason a fleet typically installs video surveillance is to minimize exposure. A bus video surveillance solution enhances the safety of those on or around the bus and helps the fleet avoid

Without a wireless solution that includes remote health monitoring, a fleet manager can find themselves with the unhappy task of reporting an incident has been improperly recorded and as a result there is no evidence to support or argue a claim, a query or an investigation.

false liability claims by providing defendable video evidence for detailed analysis of specific events. Fleet Managers and Transportation Directors get this — they understand the value of a video surveillance system almost intuitively. But many don't realize that just having a video surveillance system alone is not enough if you aren't able to guarantee your system is always functioning and always able to provide quick access to the information you need, when you need it most.

This is because hard drives can easily go missing. What if a hard drive isn't returned to the bus? What if a drive is returned to the wrong bus, or it's installed incorrectly? In these examples, critical footage would not record correctly or at all. Systems can also go offline, and without a physical inspection of each recorder on each bus, there would be no way of knowing that relevant footage was not recording until it's too late.

Wireless downloading software, such as Safe Fleet Commander **(www.safefleet.net/wireless-video-downloading)** allows a transportation team to remotely monitor the health of each of their recorders and take immediate and appropriate action as required – all without leaving their desks.

THE BENEFITS OF
WIRELESS VIDEO DOWNLOADING
using Safe Fleet Commander

Assurance of the health status of your entire video system

A web-based view of the health status of your entire video system displays those buses equipped with surveillance system and the status of each hard drive, recorder and camera within each system.

Save time and money

One of the biggest potential time-wasters is locating relevant video footage. Many hours can be spent pulling drives and viewing video to finally find the incident in question. Safe Fleet Commander makes locating video quick and painless by allowing users to search for footage based on date, time, geographic location, vehicle or route.

Safeguard sensitive video footage

Maintaining the chain of custody is important when handling any video footage that will be used as evidence. Any unauthorized handling of video can render that evidence useless. Video management software offers you the ability to assign unique user permissions so that you can control and limit video access to authorized personnel only.

Schedule automatic video downloads

Safe Fleet Commander allows you to schedule automatic video downloads based on alarms or events ensuring you have timely, convenient access to any and all issues recorded on your fleet.

SAFE FLEET COMMANDER WIRELESS DOWNLOADS

APPROX.
100 BUSES

1 TO 8 CAMERAS
ONBOARD

STARK AREA REGIONAL TRANSIT AUTHORITY (SARTA)

Safe Fleet customer Stark Area Regional Transit Authority (SARTA) can speak firsthand to the benefits of wireless downloading. They operate approximately 100 buses and have up to 8 cameras on board each bus. SARTA did have to expend additional man-hours to source footage/drives for retrieval, but they found the number of drives that were being damaged through the process of retrieval — frequent removal and re-insertion of the tapes, and the significant costs associated in replacing those damaged drives created the tipping point for SARTA to go wireless.

" We already had a mixture of very old products on all our buses and they did not work reliably. Part of the problem was that we didn't have a wireless setup, so we were constantly pulling the drives out and just destroying them."

Adam Snyder, IT Administrator

" **The Safe Fleet Wireless Video Surveillance Management Software** allows us to take advantage of our wireless infrastructure and schedule downloads when the buses come into the yard and eliminate the need to pull the hard drives."

Adam Snyder, IT Administrator

Safe Fleet Commander Real World Example

" Our video system is setup with Wi-Fi connectivity in each of our garages. When the buses come in, the video that has been tagged is automatically downloaded to our server. This has been a great process for getting material into the hands of people who want to review it."

Tom Dick, Video Coordinator
Suburban Mobile Authority for Regional Transit (SMART)

If your transportation department is already using a video surveillance solution, and you're interested in adding the benefits of wireless downloading, the process of upgrading your system is very straightforward. Discovery, initial planning and designing can be initiated with very little impact to your transportation team. Online mapping tools provide the basic geographic data to get a design started. Certified wireless network professionals will then plan a system that delivers efficient downloading and consistent coverage, taking into consideration yard size, location of trees and the shape and size of the various surrounding structures. Your transportation team could be enjoying the benefits of wireless in no time at all.

If your fleet was originally compelled to increase fleet safety by installing video surveillance, consider that implementation of a wireless downloading network can be, quick and efficient and its very function drives the ability to minimize risk, save time, money and deliver a solid and rapid return on investment.

If you need help sourcing a Certified Wireless Network Professional, contact transit@safefleet.net

About Safe Fleet

Safety is at the core of everything we do, with the goal of helping our customers reduce preventable accidents across their fleets.

Our Transit product line, which includes advanced technology, mobile video surveillance, mirrors, roof hatches and lighting, form an integrated platform to help our customers predict and prevent accidents, create better drivers, smarter vehicles and safer fleets.

The Safe Fleet industry-leading, family of brands dedicated to increasing transit fleet safety consist of Transpec, Pretoria, Specialty Manufacturing, MobileView and Seon. Trusted by transit for decades, we help transit agencies reach their safety and security goals.

At Safe Fleet, we are Driving Safety Forward™.

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