



**FORTRESS  
MOBILE**  
Learning Fleet, Serving Fleet

# FORTRESS MOBILE

*Learning Fleet, Serving Fleet*

FortressMobile.com  
(800) 437-3920  
Sales@fsiinc.com

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*Learning Fleet, Serving Fleet*

## ABOUT US ▶



Fortress Mobile is headquartered in Charlotte.

Fortress Mobile is one of the leading providers of mobile surveillance and smart fleet management solutions for pupil transit, mass transit, and commercial vehicle fleet and equipment management industries.

Fortress has a long history, beginning in 1991 of working with Fortune 500 companies, small entrepreneurs, educational institutions, and local and state government agencies.

Our clients include Wells Fargo Bank, Facebook, Charlotte-Mecklenburg Schools, Rhode Island Public Transportation Authority, Hartsfield-Jackson Atlanta International Airport, San Francisco International Airport, and hundreds of school systems throughout the country.

### Our slogan:

"Learning Fleet, Serving Fleet"

### Our Mission:

To provide our customer the safest, the securest and the most efficient & convenient product and service with the lowest price.

### Our System Solution:

Designed as an ALL-IN-ONE solution platform that can provide customers with HD camera surveillance, safety management, driver monitoring, GPS tracking, real-time remote video streaming, wireless auto downloading, stop-arm violation detection, vehicle auto-maintenance & diagnostics, and remote configuration.



## Pilot Program

For all qualified customers, Fortress will provide a FREE 30 days pilot program

## **HD Cameras** included with Software Subscription

Fortress offers our customers multiple solution plans with monthly subscription fee as:

- GPS Tracking
- Real-time video streaming ready
- Wireless auto downloading
- 5 years in house warranty

Starting from

**\$45/month.**

This price includes our "SureBus" cloud platform services subscription:

- **FLEET ACTIVITIES MANAGEMENT:**

LIVE GPS TRACKING, DVR SYSTEM HEALTH MONITORING, DISPATCH, REMOTE VIDEO DOWNLOAD, REPORTING SYSTEM ETC.

- **SAFETY ENHANCEMENT:**

REAL-TIME VIDEO, EMERGENCY BUTTON, VEHICLE/DRIVER/PASSENGER PROFILE MANAGEMENT ETC.

Fortress will provide you a comprehensive and secured solution as best serves your fleet management system. Our customers will have full access to Fortress's applications and services by paying the lowest rate on the market.

Call (800) 437-3920 today for better deals.

# 960H On-Board Safety Solution



**D1 Video** • Lower resolution  
• Narrow image range  
• Less objects & colors  
• Image stretched

34% Larger

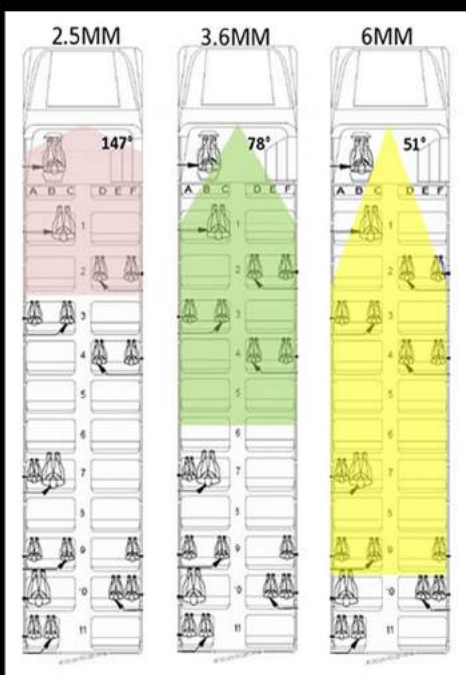
**960H Video** • 34% larger range than D1  
• 700TVL sharper image  
• Full objects & colors  
• No stretch

960H is the highest resolution available for analog CCTV to date. The newest analog technology allows cameras and DVRs to capture up to 700TVL. It has 960x480 pixel images with a true-to-life aspect ratios that doesn't stretch the image.

Fortress Mobile's 960H internal camera systems allow transit officials, transportation directors, and other authorized personnel to simultaneously view up to 16 channels of video, audio as well as the GPS map, vehicle location and sensor data all in one screen view. Our school bus interior cameras are designed and tested to be a failsafe design to record and store video, audio and GPS data in the harshest mobile environments, using military tested vibration damping technology.

With a broad range of interior cameras Fortress Mobile can customize and build a solid vehicle surveillance solution protecting passengers and drivers inside the bus.

Cameras Layout Solution



# NOVA

## DVR SOLUTION

With the all-new **NOVA** systems, we set out to engineer a full-imaging experience into the most powerful DVR system ever.

The **NOVA** line is fully capable of integrating both WD1, 1080p, and/or 720p resolutions to provide the clearest video recordings. This higher imaging will provide further detail and clarity.



Scalable DVR Systems



Full HD Imaging



10x Digital Zoom



GPS + Wifi + 3G/4G Ready



### NOVA A4D: 4 Channels WD1

- 1 to 4 Cameras Recording at WD1 Resolutions
- Enhanced H.264 Compression
- Embedded GPS & 802.11 Wireless
- HDD Support and SD Card
- Cellular/Wireless Ready Option
- Event Marker w/Status Display
- 8 Independent Sensors
- Driver Behavior & Accelerometer
- Easy-to-use Playback Software



### NOVA A80: 8 Channels WD1

- Up to 8 Cameras Recording at WD1 Resolutions
- Enhanced H.264 Compression
- Embedded GPS & 802.11 Wireless
- Dual HDD Support and SD Card
- Cellular/Wireless Ready Option
- Event Marker w/Status Display
- 8 Independent Sensors
- Driver Behavior & Accelerometer
- Easy-to-use Playback Software



### NOVA H44: 4 + 4 Channels WD1/1080p Camera System

- 4 + 4 Cameras Recording at WD1/1080p Resolutions
- Enhanced H.264 Compression
- Embedded GPS & 802.11 Wireless
- Dual HDD Support and SD Card
- Cellular/Wireless Ready Option
- Event Marker w/Status Display
- 8 Independent Sensors
- Driver Behavior & Accelerometer
- Easy-to-use Playback Software



## NOVA I-16

16 WD1/1080p Camera System

**Power for the public transit!**

Please contact us for more information and Sepc sheet.

# FORTRESS MOBILE NEW HARDDRIVE

For NOVA DVRs.  
We highly custmize for your speical needs.

 Mini Fan

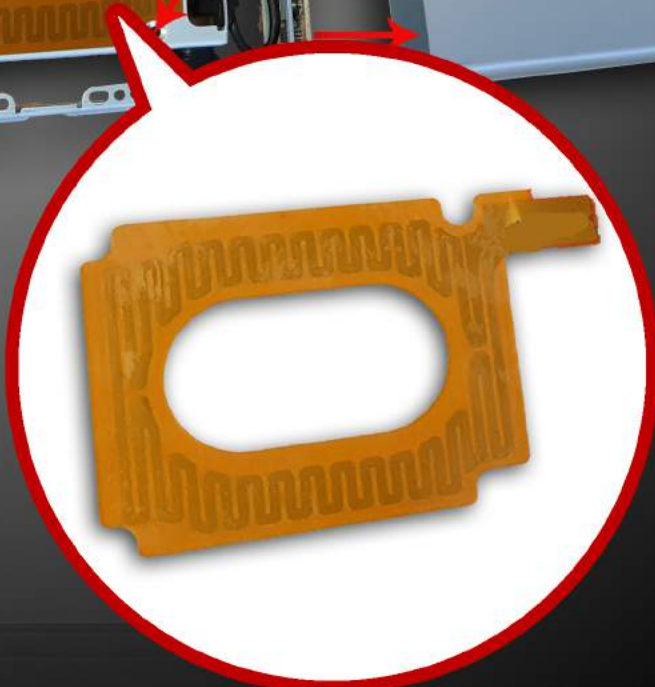


 HDD X 2 (Up to 4TB)

Double your storage capacity, let you store more video.



Also our DVR is completely sealed against dust as the DVR is a heatsink. The fan is used to move air on and off the heatsink for best heat dissipation.



 Military Spec Hard Drive Suspension System

 Electronical Heating Pad

Bootstrap your hardrive for full performance in the lowest temperatures.



# Fleet Management



## Profile Management:

- Fleet Vehicles Management
- Drivers Management
- Passengers Management

## Dispatch:

- Bus Routes Management
- Bus Stop Management

## Accounts Management:

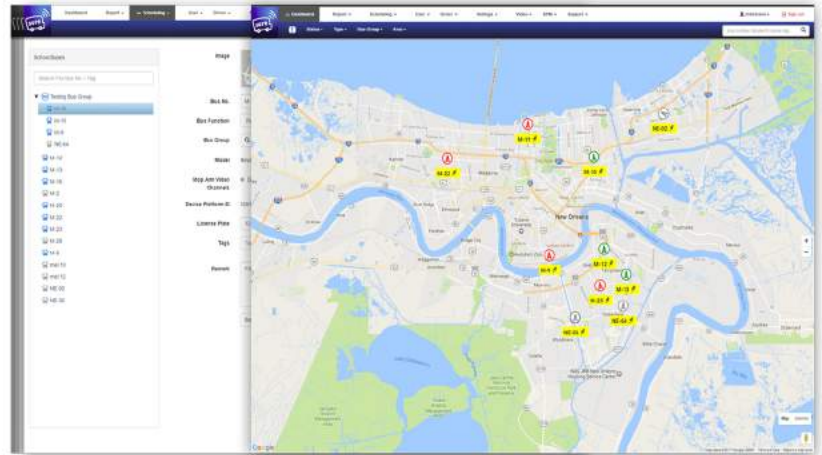
- SureBus Users Management
- Schools of School District
- Parents Management

## Online Video Storage Management

- Data Sniffer Management
- Stored Video Management

We brought all of our applications online to match your cloud strategies. Now you can access your fleet anytime and anywhere.

SureBus is a web-based cloud application supporting mobile and tablet-based smart devices for your fleet management.



## LIVE GPS Tracking

SureBus provides live GPS tracking for your fleet, it also can send live alerts via SMS texts or emails to approved persons.

Locate alarming vehicles instantly and evaluate next steps in total transparency. SureBus includes customized Geofencing further protecting the entire fleet as they move through the routes. This reduces fuel costs, idle time, labor and fleet mileage while maximizing efficiency.

## Real-time Video

SureBus incorporates real-time audio, video monitoring improving the safety and security of your passengers, drivers, and fleet assets. Moreover, SureBus assists in reporting your agency incidents and accidents both on the road and inside the vehicle.

Optional push-to-talk allows you to intervene, de-escalate, and monitor behavior.



SureBus Cloud is a central part of our All-In-One program, with the most powerful functions among all the fleet management platforms in the market, it's a live system that can automate maintenance & diagnostics. It can help drivers and fleet managers to real-time monitor buses and self-inspect mechanical problems. It is an amazing product that can allows every customer to manage their fleet hands free!

## SureBus Cloud

### DVR Health Self Monitoring Alarms

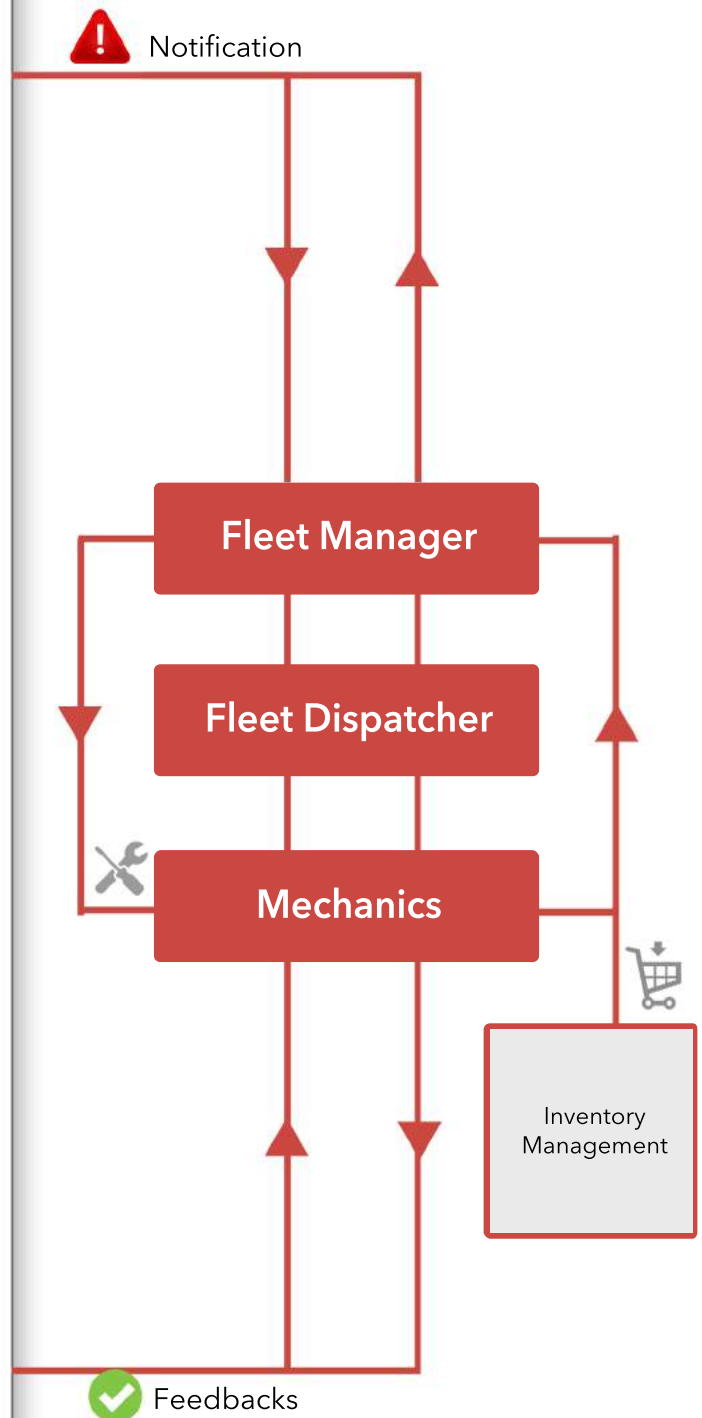
Never misses a video recording again. Your DVR system will undergo a self-diagnostic routine each time the vehicle is launched. Your DVR reports and alarm to SureBus if the hard drive is bad, GPS signal lost, an overheat and even the individual camera that has gone bad. We also now include a camera tamper alarm if a camera is covered and much more. Both cameras and hard drive feature a secure quick disconnect/re-connect design for quick turnaround of replacement.

### Vehicle CAN Bus Monitoring

Fortress CAN Bus reader can communicate with vehicle CAN Bus system in real-time. Any malfunction or defection will be reported to SureBus cloud and relevant assigned users.

### Pre/post-trip Inspection

Fleet manager can create the pre/post-trip inspection list for drivers. Drivers can manually check all the list items to enhance the safety of the vehicle and passengers. If a driver has not completed a report before the bus is detected as moving, a SureBus alert will notify the dispatcher.







# SMART REPORT

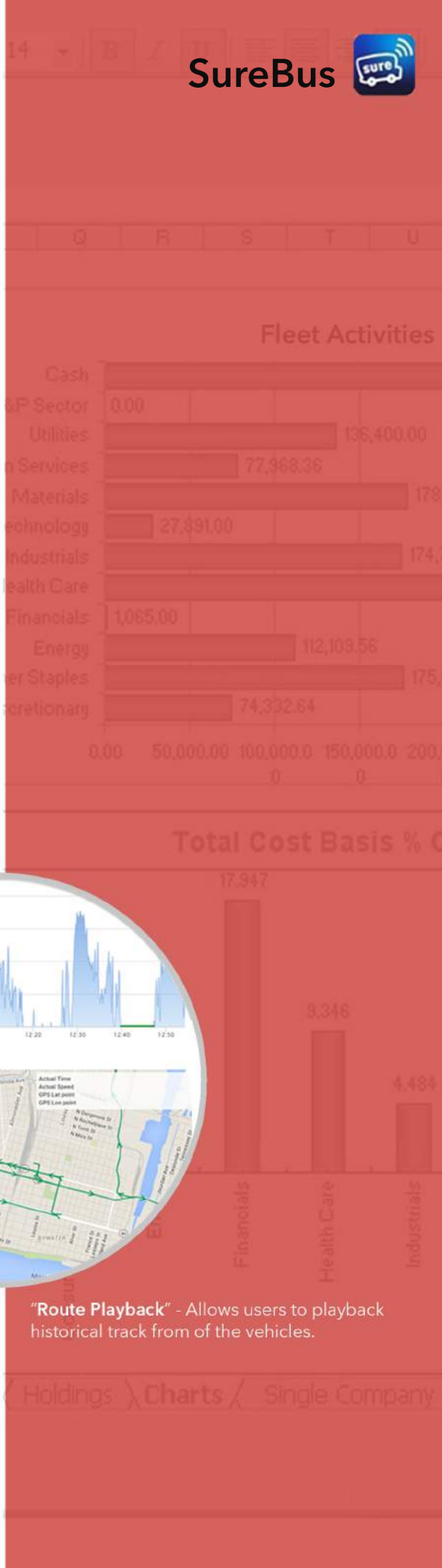
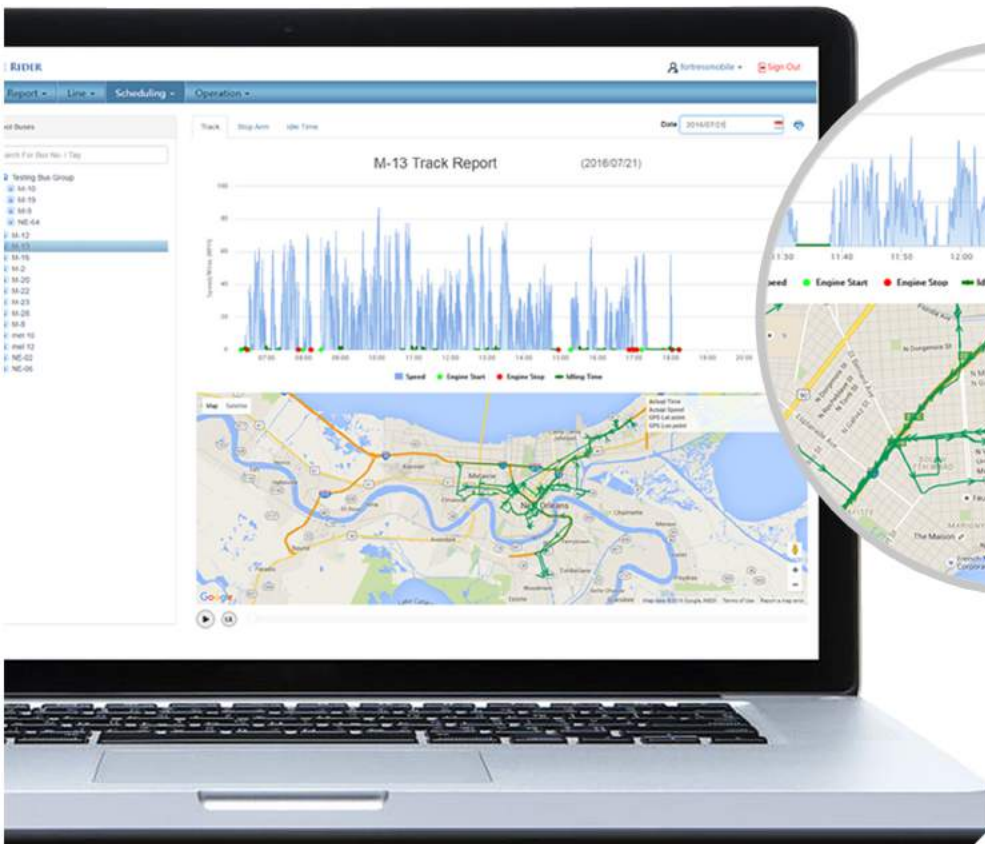
Highly Customizable

**SureBus Intelligent Report System** gives you information on how your fleet is performing - by driver, vehicle, route, or time. Whether your fleet is small or a large enterprise, 2 to 10,000 vehicles, the custom reports can help you see what's working and what isn't.

## Reports:

- Fleet Activities
- Vehicle Health Monitoring
- Vehicle On-time
- Pre/post-trip Inspection
- Driver Attendance
- Student Ridership
- Stop-arm Open/Close
- Stop-arm Citation
- Alarm Reports

... ..



**"Route Playback"** - Allows users to playback historical track from of the vehicles.



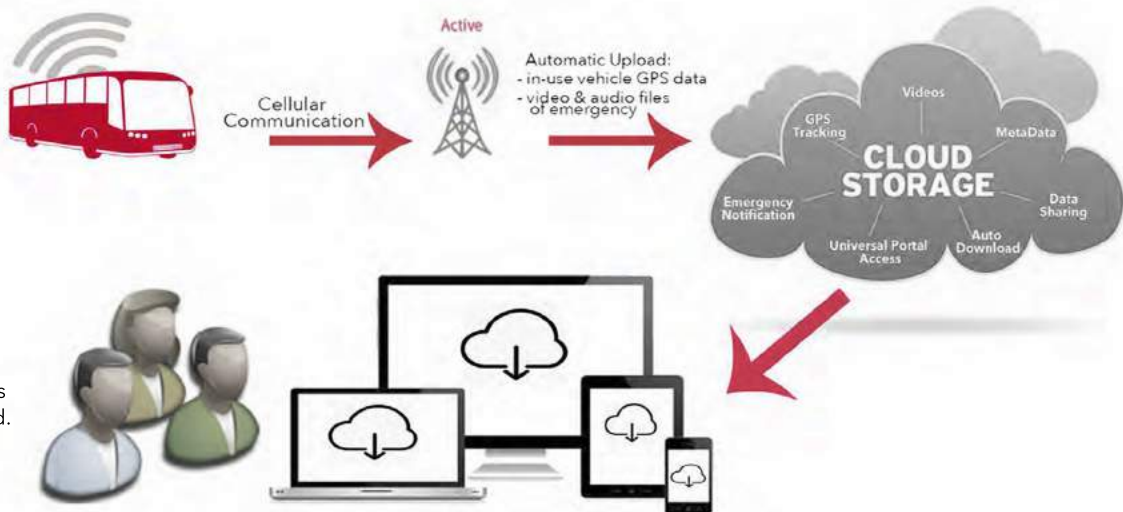
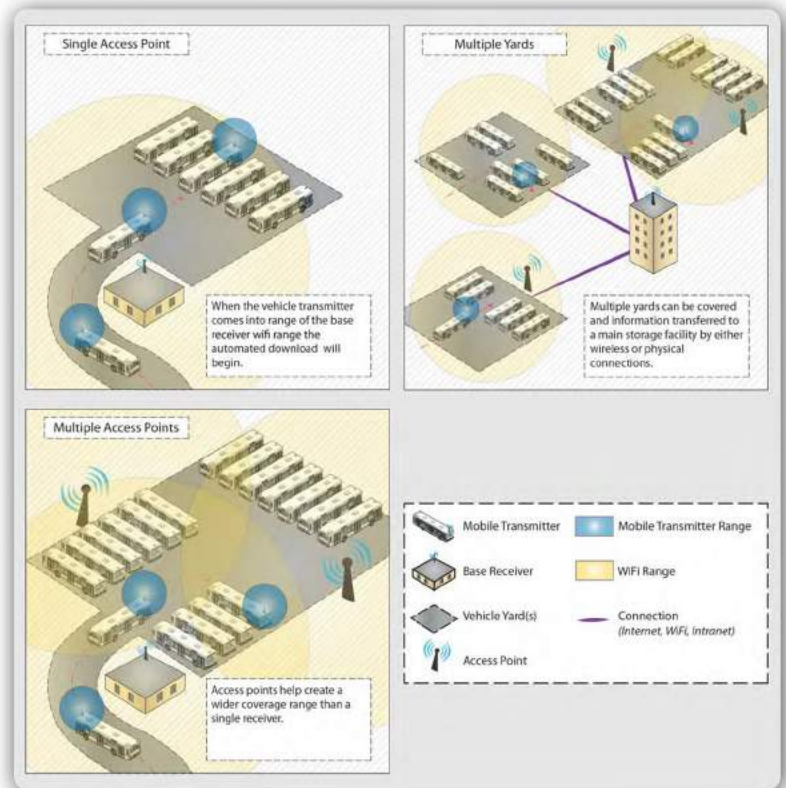
# Fortress Technologies WiFi/Cellular Auto Download

## Wi-Fi Auto Download

Videos and alarm data can be downloaded using a Wireless Network Infrastructure. When the vehicle pings to the cloud server, it will communicate the vehicle ID, status of marked video, audio files, and the health of the DVR system, as they enter WiFi enabled lots.

## Cellular Auto Download

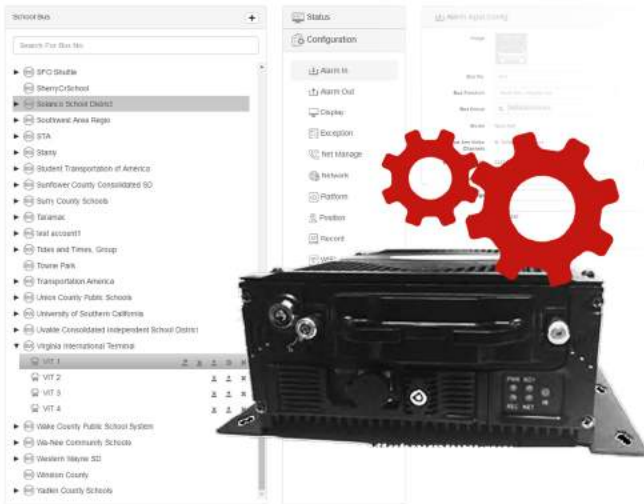
Videos and vehicle data can also be downloaded using a Cellular Network. The vehicles will communicate to the server during operations and automatically upload video, audio, and metadata from route. If an emergency happens and the bus operator activates the panic button, the marked video and audio files, vehicle ID, will be automatically uploaded from the in-services vehicle to the server.





# Online Storage

Stay ahead of the curve with Fortress Mobile WiFi and Cellular auto download technology, the smart network coverage for the ultimate solution in fleet vehicle management. Fortress Mobile provides automatic file retrieval systems using Wireless and Cellular technology. You can also able to use your own network drive and/or our cloud storage for convenient sharing of secure video links with password protections.

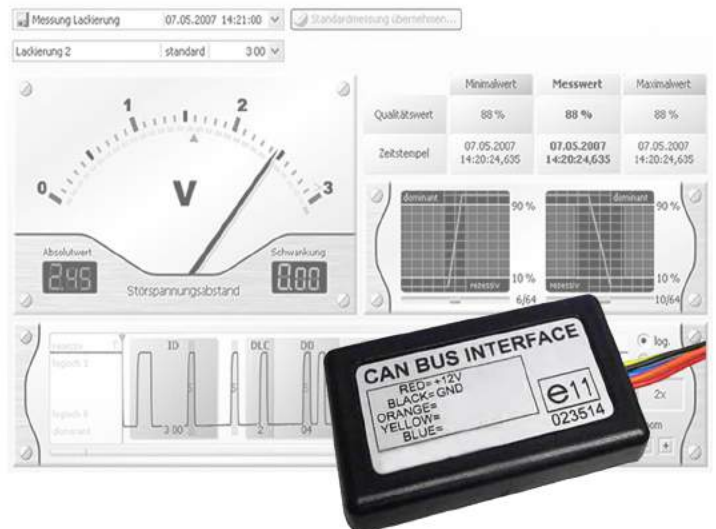


# Remote Configuration

For further customization or support, Surebus provides admin users the ability to change their vehicle DVR's configuration while sitting at their remote computer. Communicating via cellular signal, the DVR can talk to the SureBus cloud instantly, and any changes will be deployed right away.

# CAN Bus Visibility

Modern vehicles use a CAN Bus to transfer information between the various electronic vehicle systems. This communication network can provide a wide range of data that can be used to reduce running costs, improve driver safety, streamline maintenance processes and support environmental responsibility. Fortress Mobile's SureBus system is a warranty-friendly solution that connects into the CAN Bus system to remotely access added understanding into the performance and use of a vehicle



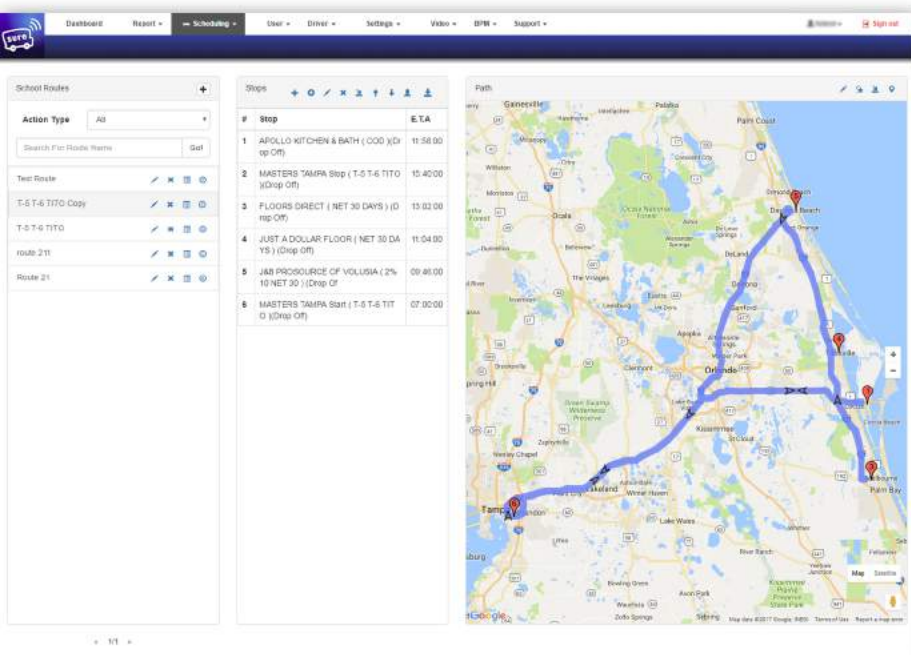
**SureBus Driver Client** provides the communication between drivers and cloud. Through a SureBus Driver Client tablet, drivers can get access to:

- Turn-by-turn route
- Driver daily attendance** tracking
- Pre/Post-trip** vehicle inspection
- Passengers counting + student tracking
- Communicate with transportation department
- And more...



# DRIVER ATTENDANCE PASSENGER RIDERSHIP

# ROUTING OPTIMIZATION SCHEDULING



Within our **SureBus** routing and scheduling system, we provide you the easiest tool for routing and scheduling optimization. All the scheduled information will be refreshed to driver's client in real-time. Now you can see if the driver is running late or is ahead of the route schedule.

For any interest, please contact us for an online demo.

at: <http://www.fortressmobile.com/#/demoRequest>

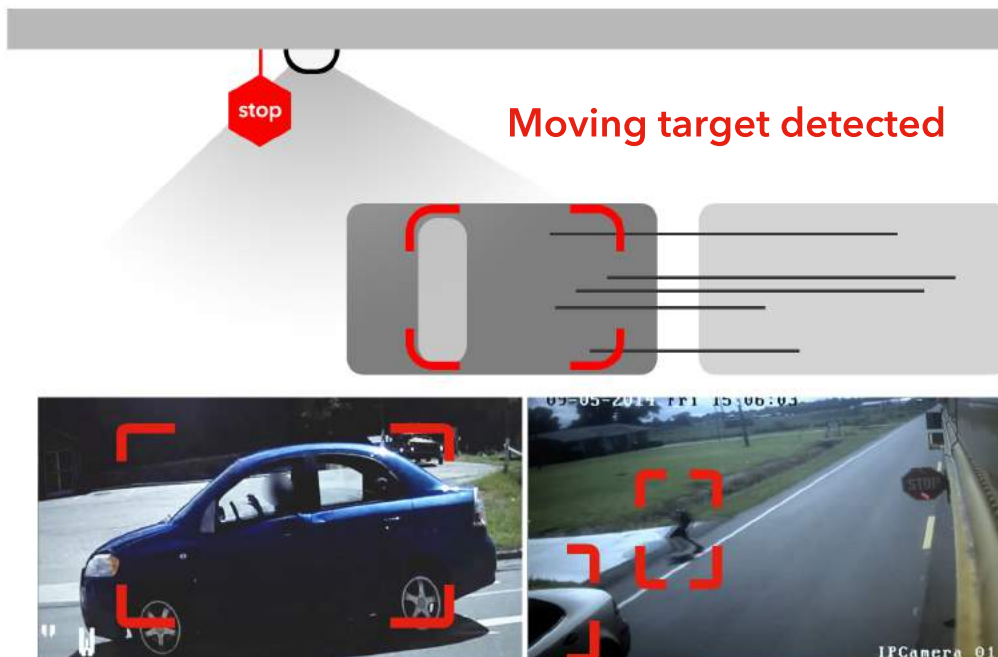
# STOP-ARM SOLUTION

Not just  
**HD** video...

**F**ortress Mobile offers the only HD quality stop arm camera system, these systems capture stop arm violations while maintaining internal bus surveillance. Stop arm camera systems incorporate high resolution cameras that are strategically placed on the bus near the stop arm, capturing key details of stop arm violations including vehicle make, model, and license plate. Being the first on the market with an extremely high resolution stop arm camera system. Fortress Mobile offers a complete solution for protecting students both inside and outside the school bus.



All these pictures are original and captured by 1080p ultra HD IP Cameras with Infrared.



**Intelligent  
Motion  
Detection**

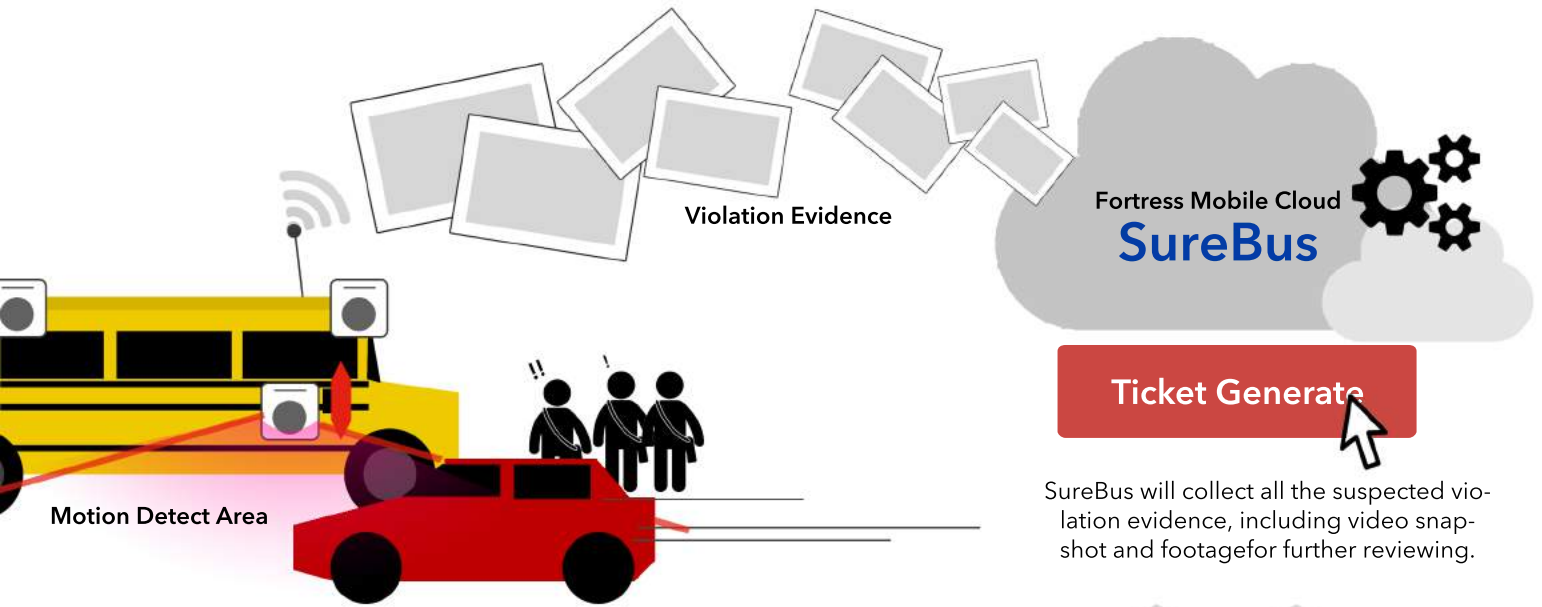
Once the stop-arm is fully extended and bus has come to a complete stop, four HD cameras are poised to capture any vehicle movement in both directions and on both sides of the school bus.

**NEXT →**

# STOP-ARM SOLUTION

**ONE CLICK BPM**

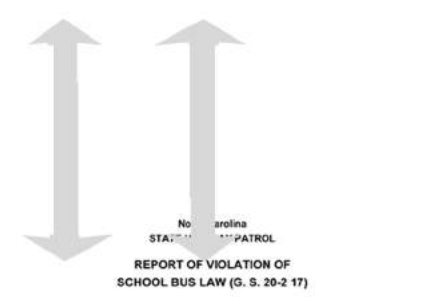
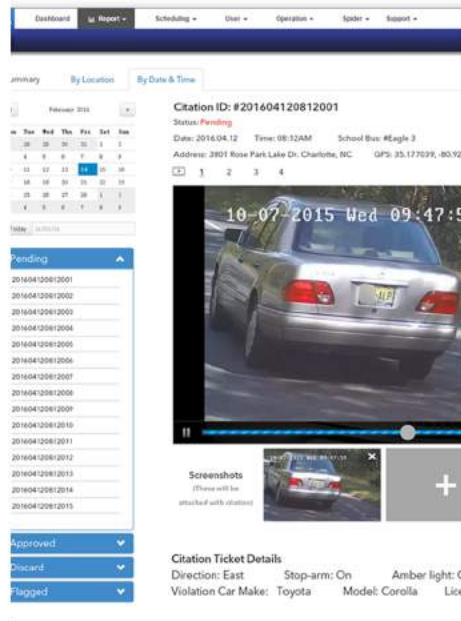
Fortress Mobile Business Process Management (BPM) tool, which is integrated into our online application. We provide the simplest way for you to manage your stop arm violations, which allows you to process your stop-arm citation with **ONE CLICK**.



SureBus will collect all the suspected violation evidence, including video snapshot and footage for further reviewing.

## AUTOMATIC CITATION SYSTEM

Within a single click, you can easily review and approve a violation. The SureBus Stop-arm Violation System will generate a ticket automatically and send it to a PD, sheriff department, or local court.



**REPORT OF VIOLATION OF SCHOOL BUS LAW (G. S. 20-2-17)**

(IN BACK FOR COMPLETE - THEN TURN BACK FOR NARRATIVE AND DIAGRAM)

TO: F/Sgt. \_\_\_\_\_

1. Violation occurred on 06/30/2015 at 2:00  am  pm in \_\_\_\_\_

2. School bus No. \_\_\_\_\_ from \_\_\_\_\_ School was driven by John Smith. It was headed  E  W  N  S and was stopped  loading  unloading school children. The mechanical stop  was  was not deployed. The flashing red spotlight  was  was not displayed.

3. Vehicle: \_\_\_\_\_ Color: \_\_\_\_\_ License Number: \_\_\_\_\_ State: NC Driven by: \_\_\_\_\_ Sex:  Male  Female Race: \_\_\_\_\_ Age: \_\_\_\_\_ Going  E  W  N  S passed unlawfully.

4. Witnesses available for prosecution (Other than Bus Driver)

(Name) \_\_\_\_\_ (Address) \_\_\_\_\_  
(Name) \_\_\_\_\_ (Address) \_\_\_\_\_

5. Reported by: \_\_\_\_\_ Telephone Number: \_\_\_\_\_ Address: \_\_\_\_\_

6. Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Hour: \_\_\_\_\_  am  pm

7. License plate: \_\_\_\_\_ Issued to: \_\_\_\_\_

8. Complaint assigned to: \_\_\_\_\_ Call No: \_\_\_\_\_ (0000000000)

9. Follow-up action taken: \_\_\_\_\_

10. Charge(s) preferred: \_\_\_\_\_

11. Returned: \_\_\_\_\_ (Name) \_\_\_\_\_ (Signature) \_\_\_\_\_ (Initials) \_\_\_\_\_

NOTE: Prepared in duplicate. Original delivered to Trooper. Duplicate retained in District File. When assignment is completed, the original is returned to the District First Sergeant for filing for one year. Duplicate may then be destroyed.

# FORTRESS COMMUNITY

Learning Fleet, Serving Fleet



<https://fortressmobile.com/>

GO



Fast online support with quick response from a service tech.



**Ticketing System**



Online meeting & demonstration of FM all-in-one solution.



**Demo Webinar**



Weekly training & instruction of our product & software.



**Online Class**

Fortress Mobile is evolving quickly, our system made a huge update, we want to build the most powerful system that can gather our customers together to our community, so that we can share the newest technologies and information, provide the best services and problem resolutions to our customers.

## Our Team

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### Sales

Our sales team have a powerful and positive attitude, they are always ready and willing to bring you the latest, safest, securest, and most efficient products on the market.

### Technical Support

Our technical support specialists are the most knowledgeable in the business, they're committed to understanding your individual problems and working with you to resolve any and issues as quickly and thoroughly as possible.

# Connect with **Fortress Mobile**

*Learning Fleet, Serving Fleet*

Toll Free: (800) 437-3920

Tech Support: (855) 556-7400

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**FortressMobile.com**

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**Charlotte, NC 28217**

**Follow Us:** *(search "fortress mobile")*



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