

**DVM-250, DVM-250 Plus, and FLT 250  
In-Vehicle Camera Kit  
(two-camera and four-camera system)  
with FleetVu Manager Cloud Service Bundle**

**North Carolina Sheriffs' Association**

**“Technology Procurement Program”**

**Bid Number 22-01-0303**

**Date: December 1, 2020**

Submitted by:



15612 College Blvd. | Lenexa, KS 66219  
800.440.4947 | 913.814.7774 | [digitalallyinc.com](http://digitalallyinc.com)

## In-Vehicle Camera Systems for Buses and Vans

### FLT-250 System



### DVM-250 Plus System



#### Introducing the FLT-250 System:

- Supports up to eight (8) cameras (interior and exterior)
- Mirrorless system; not necessary to replace vehicle's factory-installed rearview mirror
- Records up to two (2) camera channels simultaneously

#### Introducing the DVM-250 Plus System:

- Supports up to eight (8) cameras (interior and exterior)
- Mirrored system will replace the vehicle's factory-installed mirror
- Records up to two (2) camera channels simultaneously

### The Fleet solution for Digital Video

Digital Ally, Inc. provides commercial fleets and commercial fleet managers with the digital video tools they need to increase driver safety, track assets in real-time and minimize the company's liability risk all while enabling your managers to operate the fleet at an optimal level.

With features and capabilities that are fully customizable, Digital Ally's products are simple to operate and maintain while being reliable and extremely durable.

### True Video Solution

Vehicle Video Cameras have existed for many years but Digital Ally® is the first to bridge the gap and create a true video solution for commercial fleets. We are the only video company that can connect In-Car Video, Body Cameras & the back-office software into one complete solution.

## **Professionalism**

Studies have repeatedly shown that when video is deployed in a vehicle, driver performance and professionalism increase dramatically and there is a reduction in driver issues.

## **Fleet Management**

Digital video allows your fleet to be managed and driver behavior to be modified based on the video collected through training. Never miss any event involving your vehicles or drivers again. With our industry leading warranty coverage, we guarantee that your in-car video systems are up and running so that your drivers can focus on doing their job and their video system will take care of itself.

## **NEVER MISS AN IMPORTANT EVENT**

### **Pre-Event Recording**

With Pre-Event enabled the system is always recording the last 30-60 seconds to capture the events leading up to the activation of a recording.

### Continuous Loop Recording (Optional)

The system can be set to record on a continuous loop. Individual events are recorded but continuous loop enables a fleet manager to go back and look at video from an entire shift.



## **UNCOMPLICATED DESIGN**

### **Easy to Install - Simple to Use - Highly Configurable**

Event Recorders can be configured to power up with vehicle, login instantly, automatically activate with variety of triggers, and wirelessly upload video.

**Additional Cameras to expand DVM-250 to the DVM-250 Plus:**



Backup Camera



Passenger Camera



Side Mount External Camera

**OPTIONAL TRIGGERS**

**Integrated with Interface Box**



Just about anything in the vehicle that can output a 12 Volt Signal can be configured to trigger your event recorder. Below are the most common of these:

- Brake Lights
- Turn Signal
- Reverse Gear
- Covert Panic Button
- Door Sensors

**QUICK & EASY UPLOAD**

Uploading your video has never been easier with multiple methods that fit your company's needs.

**In-Car Video Footage**

**Wi-Fi Dongle or SD Card Transfer**

Your video footage from your in-car unit can be automatically uploaded wirelessly via our Wi-Fi Dongle, you can manually remove the SD Card and transfer files to a computer.



## In-Vehicle Camera Systems Specifications

<b>Power</b>	
OPERATING VOLTAGE	13.8VDC
ON	0.36A @ 13.8Vdc
OFF	0.260mA @ 13.8vdc
SLEEP	170mA @ 13.8vdc
LOW POWER STANDBY	170mA @ 13.8vdc
INTERNAL BACKUP BATTERY	3.7v, 1150mA, Rechargeable Lithium Ion Polymer Battery
<b>Environmental/Mechanical</b>	
OPERATING TEMPERATURE	-20° to +70° C
STORAGE TEMPERATURE	-40° to +80° C
DIMENSIONS	48mm (1.9in.)(D) x 279mm (11in.)(W) x 106mm (4.7in.)(H)
WEIGHT	733g (1.62lbs)
<b>Internal Components</b>	
ROAD FACING CAMERA	63.2°(V) X 84.8°(H) X 106.8°(D)
PASSENGER FACING CAMERA	96°(V) X 119°(H) X 141°(D)
LCD MONITOR	3.5" Color
REAL TIME CLOCK	On board, used when GPS signal is lost.
ACCELEROMETER	3-axis, ±8g
MICROPHONE	Internal (max. input SPL 110dB, sensitivity -30dB)
VIDEO	2-recording channels @ 30fps(max), D1, 720x480, H.264, AVI
AUDIO	2-Channel for separate internal/external microphone audio
<b>External Components</b>	
GPS RECEIVER	4Hz position update rate, 2.5m position accuracy
LICENSE PLATE BACKUP CAMERA	95° (V) x 125.8° (H) x 155.4° (D)
INFRARED BACKUP CAMERA	76° (V) x 102° (H) x 115° (D)
<b>Media Storage</b>	
CAPACITY	External SD Card Support: 8/16*/32 GB, Class-10, commercial grade purchased from Digital Ally. (*Included)
SECURE MEDIA ACCESS	Optional tamper resistant screw and access door, requires corresponding security key to unlock the access door.
PRE-EVENT BUFFER	Up to 30 seconds for each of the two recording channels, adjustable in 6 second increments

## Interface Box Specifications

<b>Electrical</b>	
OPERATING VOLTAGE	13.8VDC
INPUT SENSORS	Six configurable multi-purpose input sensors.
OUTPUT TRIGGER	One normally open, active low output trigger, 2A max current
<b>Environmental/Mechanical</b>	
OPERATING TEMPERATURE	-20° to +70° C
STORAGE TEMPERATURE	-40° to +80° C
DIMENSIONS	57mm (2.24in) (D) x 29mm (1.14in) (H) x 110mm (4.33in) (L)
WEIGHT	218g (.480lbs)

## **FleetVuManager**



### **CLOUD BASED SOFTWARE**

#### **Complete Video & Telematics Management Solution**

Digital Ally provides commercial fleets and commercial fleet managers with the digital video tools they need to increase driver safety, track assets in real-time and minimize the company's liability risk. Choose from two packages; Video Event Package, Asset Tracking Package, or choose to optimize your ROI by utilizing the Complete Solution that combines the power of both.

### **VIDEO EVENT PACKAGE**

#### **Manage your Fleet's Video Events**

Our Video Event Package enables agency managers to easily monitor their fleet of vehicles and driver performance. Users can store and manage video, update firmware & wireless configurations while using features such as mapping & reporting and creating driver score cards.

### **DISASTER RECOVERY**

Ensuring your data will always be protected and accessible is our number one priority; that is why we have built FleetVuManager.com on the most trusted web service around. Amazon Web Services supplies three locations separated on the east and west coasts where all of your data will be copied and 100% secured. If one of the locations is wiped out by a natural disaster, your information will still be secured in two alternate locations states away. Any and all of the information that was flowing to that particular location will be directed to substitute locations.



## ENVIRONMENTAL SECURITY FEATURES

Amazon Web Services (AWS) data centers utilize innovative architectural and engineering approaches. Each data center is equipped with fire detection and suppression, power failure back-ups climate and temperature controls, and electrical and mechanical management. When a storage device reaches its end of life security measures are taken by Amazon to ensure that data is not exposed to unauthorized individuals. Amazon security platforms also host around the clock surveillance to ensure data locations are secure.

In case of failure, automated processes move data traffic away from the affected area to an alternate secure location. AWS is designed to tolerate system or hardware failures with minimal to no impact to users.

## FLEETVUMANAGER.COM Cloud

FleetVuManager.com is a cloud-based application hosted by Amazon Web Services (AWS). It provides a fully modular, customizable, and user-friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVuManager.com includes three services: a FleetVu Mobile driver app, Fleet Vu Cloud video storage and fleet management, and FleetVu Manager asset tracking and telematics tools.



FleetVuManager.com propagates robust real-time fleet telematics information along with your vehicle inspections into the customizable cloud platform. FleetVu Manager includes live asset tracking, event mapping, powerful reporting tools, posted speed violations, real-time customizable alerts such as idle time, speeding, collisions, towing, etc.



FleetVuManger.com Cloud allows easy management of fleet and driver performance data and video. It also optimizes ROI efficiency and educates your team to reduce driving accidents and costly behaviors associated with them. FleetVu Cloud stores and provides capability to manage fleet video along with drivers,

equipment, reporting, powerful mapping and vehicles in the cloud. Video system firmware and configurations will load wirelessly.

FleetVu Mobile includes the capability for customizable inspections to provide immediate interaction with FleetVu Manager and/or FleetVu Cloud. This interaction allows management and maintenance teams the ability to seamlessly manage vehicles on a daily basis. FleetVu Mobile includes pre- and post-operation inspections with text and/or email alerts immediately notifying management of unsafe conditions. FleetVu Mobile also includes breakdown/in-operation inspections, maintenance requests, and can automatically pair drivers/vehicles.

FleetVuManager.com telematics cloud-based solution has the ability to switch between a road map and an aerial image that is capable of zooming to at least 1:1000. The map is able to display one or multiple vehicles, vehicle information, geofences, geofence information, and zoom to selected features. The map is also able to display vehicle history for a selected time frame. FleetVuManager.com includes the capability to edit speed limits for road sections and the ability to directly access a street view.

FleetVuManager.com has the capability to create a multitude of reports, including Driver Reports, Branch Reports, Vehicle and Equipment Reports, Events Reports, and FleetVu Mobile Reports. It is able to create reports by date, time, month, or specified time period. These reports can be selected by vehicle, by crew, by geofence, and by triggered events, such as speeding, or excessive idle. Reports can be created based on defined periods for vehicle engine hours, engine idle time, days

used, and miles traveled. Reports can also be created on vehicle maintenance, vehicle details, organization structure, application user history, and device functionality. Reports can be customized by information and columns.

## FleetVu Suite

The FleetVu Suite provides a fully modular, customizable, and user friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVu Provides three options: a driver app, cloud video storage & fleet management, and asset tracking & telematics tools.

### FLEETVU MOBILE

FleetVu Mobile customizable inspections provide immediate interaction with FleetVu Manager &/or FleetVu Cloud and your management & maintenance teams to seamlessly manage vehicles on a daily basis.

- Pre / Post-operation inspections (text &/or emails immediately notify management of unsafe conditions)
- Breakdown / in-operation inspections
- Maintenance requests
- Automatically pairs drivers/vehicles

### FLEETVU CLOUD

FleetVu Cloud allows easy management of fleet and driver performance data and video anywhere with an internet connection. Optimize ROI, efficiency, and educate your team to reduce driving accidents and costly behaviors associated with them.

- Store and manage fleet video along with drivers, equipment & vehicles in the cloud
- Load video system firmware and configurations wirelessly
- Powerful mapping and reporting
- Driver scoring and more...

### FLEETVU MANAGER

FleetVu Manager propagates robust real-time fleet telematics information along with your vehicle inspections and video into the customizable cloud platform.

- Live asset tracking / event mapping
- Posted speed violations
- Real time customizable alerts such as idle time, speeding, collisions, towing, OBDII engine, location, etc.
- Powerful reporting tools
- And more...



## FleetVu Suite Capabilities & Features Overview

The FleetVu Suite provides a fully modular, customizable, and user-friendly interface to securely manage your fleet and drivers, from vehicle inspections to telematics to incident video review. FleetVu Provides three options: a driver app, cloud video storage & fleet management, and asset tracking & telematics tools.

<b>Capabilities &amp; Features Overview</b>	<b>FleetVu Manager <i>Asset Tracking/Telematics</i></b>	<b>FleetVu Cloud <i>Storage &amp; Management</i></b>	<b>FleetVu Mobile <i>Driver App</i></b>
Automatically Assigns Driver to Vehicle	Requires App to Log in to Different Vehicles	Requires App to Log in to Different Vehicles	✓
Vehicle Inspections & Service Requests	View Submissions in Reports	View Submissions in Reports	✓
Manage, Configure, & Update Recorders	✓	✓	
Informative Driver, Incident, Etc. Reports	✓	✓	
View Individual Driver Performance Data	✓	✓	
View Automated Driver Risk Data	✓	✓	
View Incident Video by Driver, Type, Etc.	✓	✓	
Incident Notes & Searchable Custom Fields	✓	✓	
Customize Geo-Fencing Alert/Trigger	✓	✓	
View Route Maps of Recorded Incidents	✓	✓	
View Current Vehicle & Incident Locations	✓		
Real-Time Incident Notifications	✓		
Export Video Clips from Cloud to Computer	✓	✓	
Security Features & Authentication	✓	✓	✓