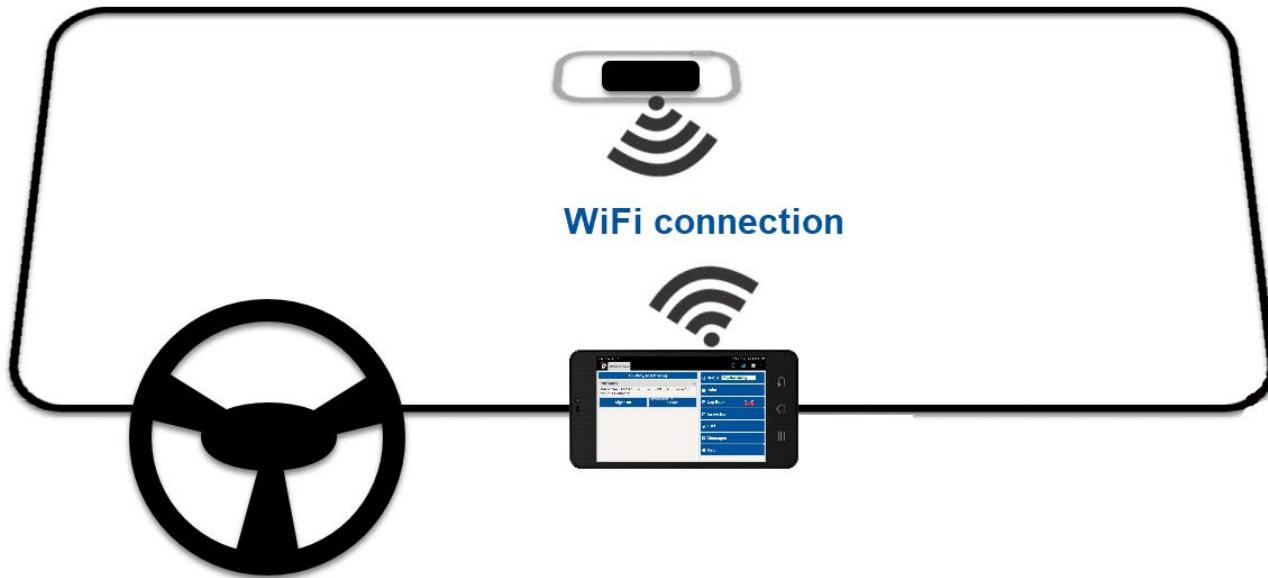


CameraView

There are multiple tools in OneView to manage the dash-cam data delivered through the CameraView solution. This document will explain each of the features and how to use them within OneView.

How It Works

Knowing how the camera works will help in understanding how to best use the camera solution. The camera uses Wi-Fi technology to connect and record video on the Cab-Mate tablet. You do not need a Wi-Fi connection to the internet for this technology, it is rather like a Bluetooth connection, but instead of using Bluetooth, it is using the built in Wi-Fi capability – the camera's Wi-Fi connects to the tablet's Wi-Fi. (*Do not disable the tablet's WiFi or the camera will not connect*)



In order for the connection to happen, the following conditions must be met:

1. The driver must be logged in to POV in some cases.** (See p.19)
2. The camera must have power (see the help tab to download the CameraView install manual for power options and testing initial setup)
3. The tractor must be in operation
4. For the single view camera the tablet must have an inserted SD card that is at least Class 10 64GB, and the dual facing camera must have an SD card inserted in the camera (they ship from Pedigree with the SD card already inserted.)

Recording Video

When the above conditions are true, the SD card will receive video from the camera during the truck's time of operation. The recording of video is only happening while the truck is on and operating and for the RideCam, the driver must also be logged into the tablet.

When the SD card is full, new video will overwrite old video and will not interrupt recording. You will lose old video as it is overwritten. The number of days of video stored on the SD card will vary (approximately 1 hour of video = 1GB) but requests for video from OneView can only be selected from the last 7 days.

Retrieving Video

Note: You cannot see a live view from the camera.

Video is retrieved and sent to OneView under the following conditions:

Automatically Triggered Events:

- Accident detected from hard breaking event, hard cornering, airbag deployment (if the truck's ECM will send airbag data only). 18 seconds of mp4 video is automatically sent to OneView = 9 seconds before event + 9 seconds after event.
- Tailgating (only at 40+mph)
- Stop sign violated
- Camera Misalignment
- Distracted Driving
- Speeding *will trigger a screenshot.*

Driver Triggered Event:

- Panic/Driver Request - if a driver presses the SOS/Panic button in POV to create a panic event, 18 seconds of mp4 video is automatically sent to OneView = 9 seconds before event + 9 seconds after event

Back-office Triggered Event:

DVR Request -

- 1 minute
 - Timelapse
 - Requested video will upload to OneView if/when the camera/tablet holding the video has power and a data connection. If the video request includes footage from the current trip, it will delay processing the video until the current trip is complete so that current video recording is not disrupted. *Ridecam only: Keep in mind the Cab-Mate Flex, Cab-Mate One and Cab-Mate Connect must have the truck on and running and the tablet must be securely snapped into the cradle/docking station, and the driver must be logged into POV.*

Download Video from SD Card

Another way to retrieve video would be to download it directly from the SD card in the tablet. When directly downloaded, the video file is H.264 which is a compressed format and needs a special video player to watch the video. If the file will not play on your computer, we recommend downloading this free VLC media player <https://www.videolan.org/vlc/index.html>

Video Sent/Available After Current Trip

Video requested from a tractor's current trip will be impacted by delayed processing until after the current trip is complete. This may impact how long it takes for a video to appear in OneView.

Video Tab in OneView

Drivers and assets will have a Video tab in OneView. Click the video tab to view and search for any video events associated with that driver or that asset. See the rest of this document for explanation of the different option for obtaining video.

Use the Date/Time filter to change the date range of the list results. The event column includes a filter so that you can look for any specific type of event. The Triggered By column shows how the video was triggered, by a DVR request, panic event, accident, hard breaking or other event types. Only videos triggered by events other than DVR requests will show the event location.

OneView™ CameraView

Pedigree Technologies

The screenshot shows the OneView CameraView interface. At the top, there's a navigation bar with links for Map, Dashboards, Assets, Compliance, Jobs, Maintenance, Forms, and Reports. On the right side of the header, there are links for Admin, Log Out of Lynette Burgen, Lynette Burgen, Settings, Help, and Log Out. Below the header, a search bar labeled "Search Actors" is followed by a tree view of assets. The "Assets" section includes categories like Bluetooth Trackers, CA Trailers, Containers, and Equipment. A central panel displays a driver profile for "Thomas Russell" with a picture of a truck driver, information about his current trip (On Duty, Not Driving 19m 19s), and a progress bar for Overall Remaining (11m 0m). Below this is a section for "Current Alarms" which says "None". To the right of the driver profile, a table titled "Request DVR Video" lists video events. The table has columns for Date/Time, Vehicle, Event, Video Status, Triggered By, Location, Duration, Requested By, and Request Time. The first event listed is from Mon 30-May-22 at 09:26 AM (CDT) triggered by "Pedigree - CO - 337" with a duration of 13 seconds.

This screenshot shows another part of the OneView CameraView interface. The navigation bar and search bar are similar to the first screenshot. The left sidebar shows the same asset categories. The central panel now focuses on a vehicle named "Pedigree - CO - 337". It provides details about the vehicle (CALAMP LMU 3640 VZW LTE, 3295 Yale Drive, Broomfield, Colorado 80023, United States), the driver ("Thomas Russell"), and the event type ("Ignition Off 23h 15m Class: SUV"). Below this, there are sharing options ("Share"). To the right, a table titled "Request DVR Video" lists video events for this specific vehicle. The table columns are identical to the first one. The events listed are for the same dates and times as the first screenshot, with the first event being triggered by "Pedigree - CO - 337" and a duration of 13 seconds.

Recorded Video Events

Video events will be automatically created for various events. Some of those events are data driven events driven by the telematics device like accidents, hard braking, heavy acceleration, and hard cornering, and some events are driven by data from the camera imaging, like tailgating and lane drift, and some are based on both, like speed violations. The following descriptions show the types of event you may see on your video tab and in video reports.

Accident Event

When an accident occurs and is detected by OneView, the event will include an 18 second video if available. If video has been sent, it will be available for view after the driver's current trip is over.

Click on the driver or truck's video tab to see a quick link to the accident event, or use the accident alarm (see alarms in this document) or event feeds to find the accident event.

Date/Time ▾	Driver	Event	Video Status	Triggered By	Location
07/03/2021 - 07/03/21					
Sat 03 Jul 2021 11:47 PM	 Henry [redacted]	» Acceleration	Available	-	2 Ira Bl, United States
Sat 03 Jul 2021 09:43 AM	 Henry [redacted]	⚠ Accident Detection	Available	Hard Braking	-
Sat 03 Jul 2021 09:34 AM	 Henry [redacted]	▶ Video	Available	Tailgating	Governor Wellston
Sat 03 Jul 2021 07:42 AM	 Henry [redacted]	▶ Video	Available	Tailgating	Will Roger, 74301, United States

Click on the Video tab to see and play available video which will be 9 seconds before event and 9 seconds after the event.

Accident Detection
 

Title Accident Detection

Asset  [redacted]

User  [redacted]

Start Time Sat 03 Jul 2021 09:43 AM

End Time Sat 03 Jul 2021 09:43 AM

Duration 3 seconds

Hard Braking Detected 1

Hard Braking Start Time 07/03/2021 09:43:24 AM CDT

Video Status FINISHED

Recent Comments

Comment

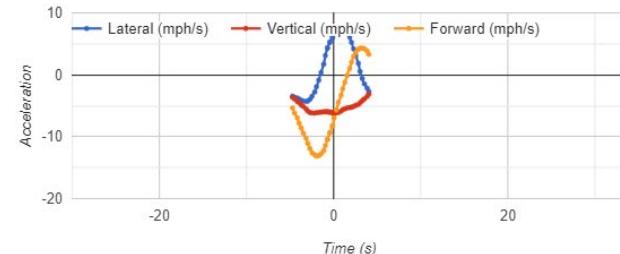


0:00 / 0:18

▶

...

Lateral (mph/s)
Vertical (mph/s)
Forward (mph/s)



Acceleration

Time (s)

Acceleration

When OneView detects an acceleration event of 4.5 mph/sec for more than 1.5 seconds, video will automatically upload to the acceleration event. You will see an acceleration event on the video tab or on the event history of the asset or the driver linked to the event. Click on the event to see the details.

Request DVR Video					
Date/Time	Driver	Event	Video Status	Triggered By	Location
Last 60 Days (09/19/2020 - 09/19/2020)					
Thu 22 Oct 2020 02:24 PM	 Thomas Russell [redacted]	» Acceleration		4133 Firestone Boulevard, Longmont, Colorado 80504, United States	19 seconds

OneView™ CameraView

Pedigree Technologies

After clicking the event, you will see a pop up window with a map of where the event occurred and a video tab (shown here) with the video you can watch or download. The right side of the event window includes relevant data about the event, such as the location, date and time, lat/long, duration, starting speed, rate of acceleration and acceleration direction.

The screenshot shows the OneView CameraView interface. On the left, there's a sidebar with various icons and sections like 'Acceleration', 'Maintenance', 'Driver', etc. The main area has a map showing a street view with roads labeled 'Sheridan Pkwy', 'E Baseline Rd', and 'W 16th Ave'. A green dot marks the event location. To the right of the map is a video player window. The video player shows a road scene with a car in the foreground and other vehicles in the background. There's a small inset camera view in the top right corner of the video frame. Below the video player is a timestamp '0:00 / 0:19' and some metadata: '10-04-2021 10:53:08 lat: 40.000034 lon: -105.007774 speed: 19mph'. Orange arrows point from the text 'Play Video' to the play button in the video player and from 'Download Video' to the download icon in the video player controls.

Play Video

Download Video

Acceleration

Title Acceleration
Asset Pedigree - CO - 337
Start Time Mon 04 Oct 2021 11:53 AM
End Time Mon 04 Oct 2021 11:53 AM
Duration 2 seconds
Acceleration Direction Forward
Address 1502 East 168th Avenue, Broomfield, Colorado 80023, United States
Average Acceleration 6.2634 mph/s
Latitude 40.000025 °
Longitude -105.00674 °
Starting Speed 13.6 MPH
Video Status FINISHED

Recent Comments

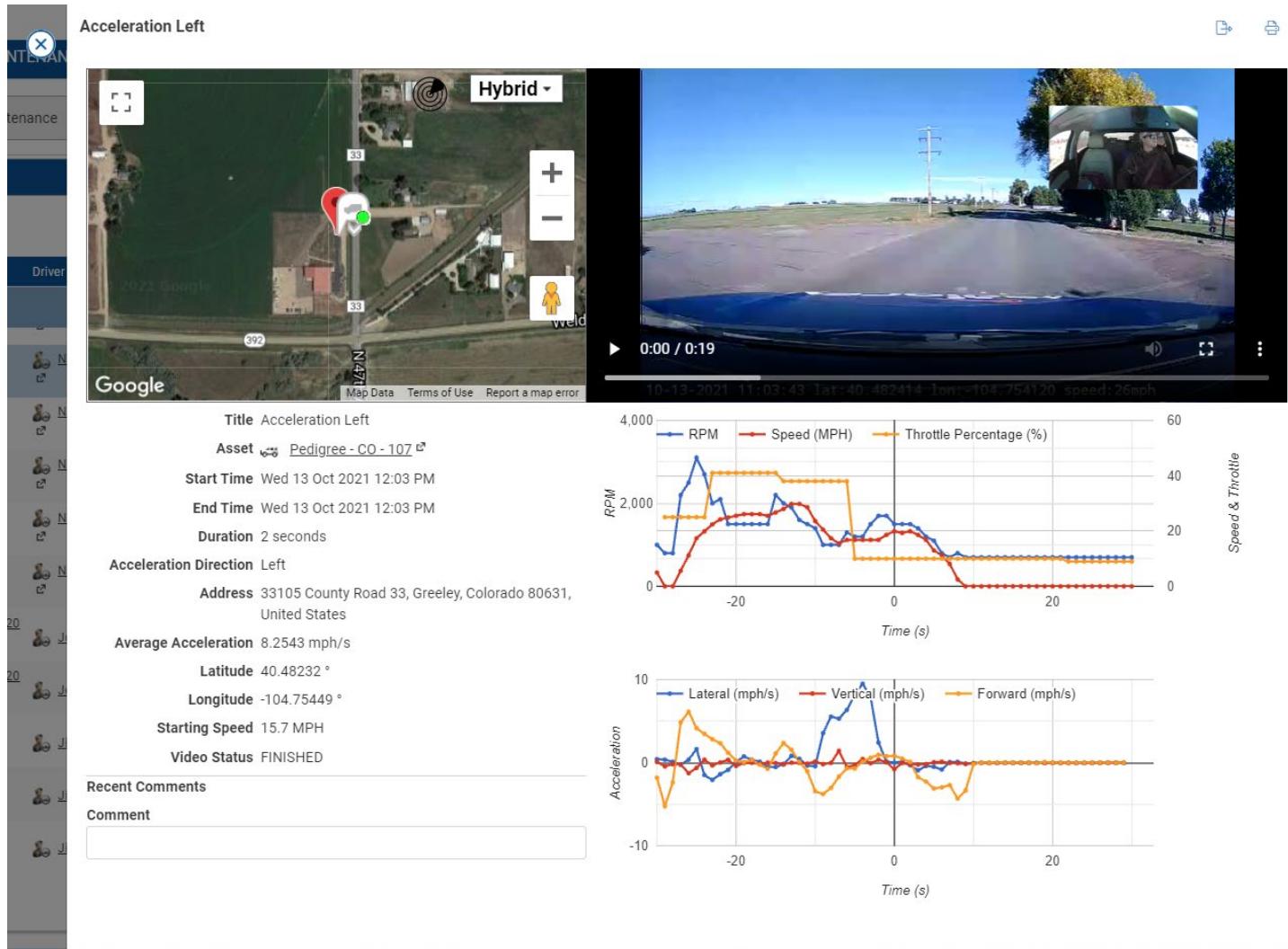
Comment

Acceleration Right / Left (Cornering)

If a tractor corners at a rate of 7mph/s for more than 1 second, video will automatically be sent to OneView that will either be **acceleration right** or **acceleration left**. You can see the video and the event that triggered them in your video report or on the video tab of the asset or driver. Click on the event to see more details.

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By
Last 6 months (from tod					
Wed 13 Oct 2021 12:03 PM	-	Nick Dugan (D)	»» Acceleration Left	Available	-
Wed 13 Oct 2021 11:59 AM	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Speed Violated
Wed 13 Oct 2021 11:32 AM	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Camera Misalignment

After clicking the event, you will see a pop up window with a map of where the event occurred and a video tab (shown here) with the video you can watch or download. The right side of the event window includes relevant data about the event, such as the location, date and time, lat/long, duration, starting speed, rate of acceleration, and acceleration direction – right or left.



Acceleration Left

Hybrid ▾

Map Data Terms of Use Report a map error

Title Acceleration Left
Asset Pedigree - CO - 107 ▾
Start Time Wed 13 Oct 2021 12:03 PM
End Time Wed 13 Oct 2021 12:03 PM
Duration 2 seconds
Acceleration Direction Left
Address 33105 County Road 33, Greeley, Colorado 80631, United States
Average Acceleration 8.2543 mph/s
Latitude 40.48232 °
Longitude -104.75449 °
Starting Speed 15.7 MPH
Video Status FINISHED

Recent Comments

Comment

Speed & Throttle

Acceleration

Time (s)

RPM

Time (s)

Latitude

Time (s)

Deceleration

A deceleration event is triggered at 7.5 mph/s for more than 1.5 seconds and this event will also pull in video. You will find the event in the event history of the linked asset or the linked driver, on the video tab for the asset or driver, and in the video report or video tab. Click the event to see more details.

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from toc)						
Tue 05 Oct 2021 10:02 AM	-	John Melia ▾	»» Deceleration	Available	-	10576 West 88240, United States
Tue 05 Oct 2021 10:02 AM	Pedigree - TX - 120 ▾	John Melia ▾	Video	Available	Acceleration	North Lovin 88240, United States
Tue 05 Oct 2021 09:44 AM	Pedigree - CO - 160 ▾	Jim Senger ▾	Video	Available	Speed Violated	Taft Avenue, United States

OneView™ CameraView

Pedigree Technologies

After clicking the event, you will see a pop up window with a map of where the event occurred and a video tab (shown here) with the video you can watch or download. The right side of the event window includes relevant data about the event, such as the location, date and time, lat/long, duration, starting speed, rate of acceleration, and acceleration direction which will show "backward" for deceleration events. This simply means the asset was slowing down, not that the asset was in reverse gear.

Deceleration

Google

Title Deceleration
Asset Pedigree - TX - 120
Start Time Tue 05 Oct 2021 10:02 AM
End Time Tue 05 Oct 2021 10:02 AM
Duration 4 seconds
Acceleration Direction Backward
Address 10576 West Stiles Road, Hobbs, New Mexico 88240, United States
Average Acceleration 7.9188 mph/s
Latitude 32.85691 °
Longitude -103.274162 °
Starting Speed 55.3 MPH
Video Status FINISHED

Recent Comments

Comment

Speed & Throttle

RPM, **Speed (MPH)**, **Throttle Percentage (%)** vs **Time (s)**

Acceleration

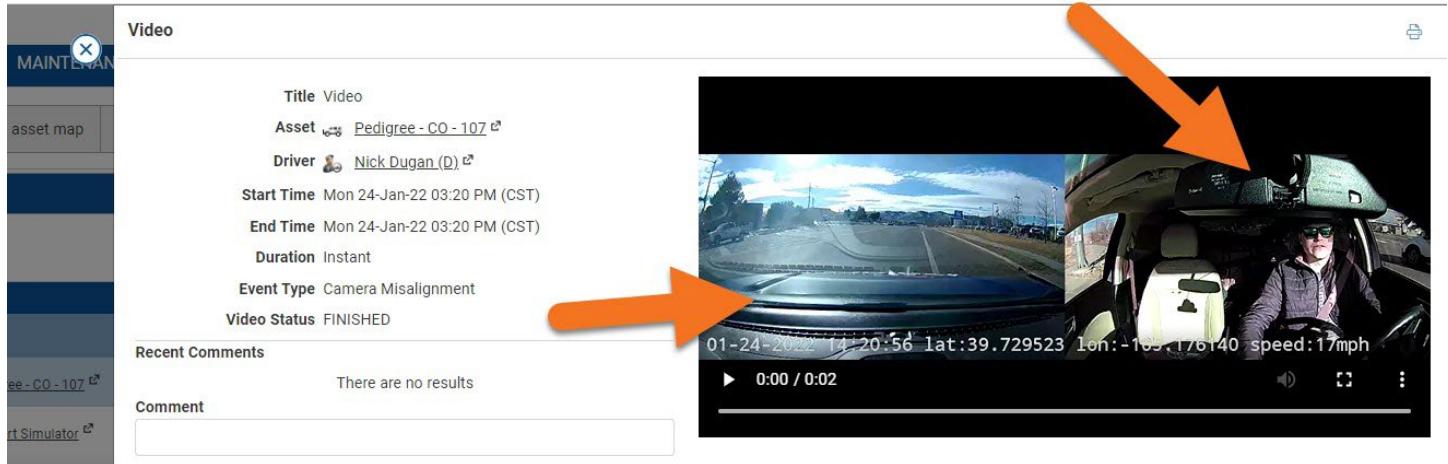
Lateral (mph/s), **Vertical (mph/s)**, **Forward (mph/s)** vs **Time (s)**

Camera Misalignment

There will be an event triggered for Camera Misalignment when the view of the road or the view of the driver are obstructed or restricted.

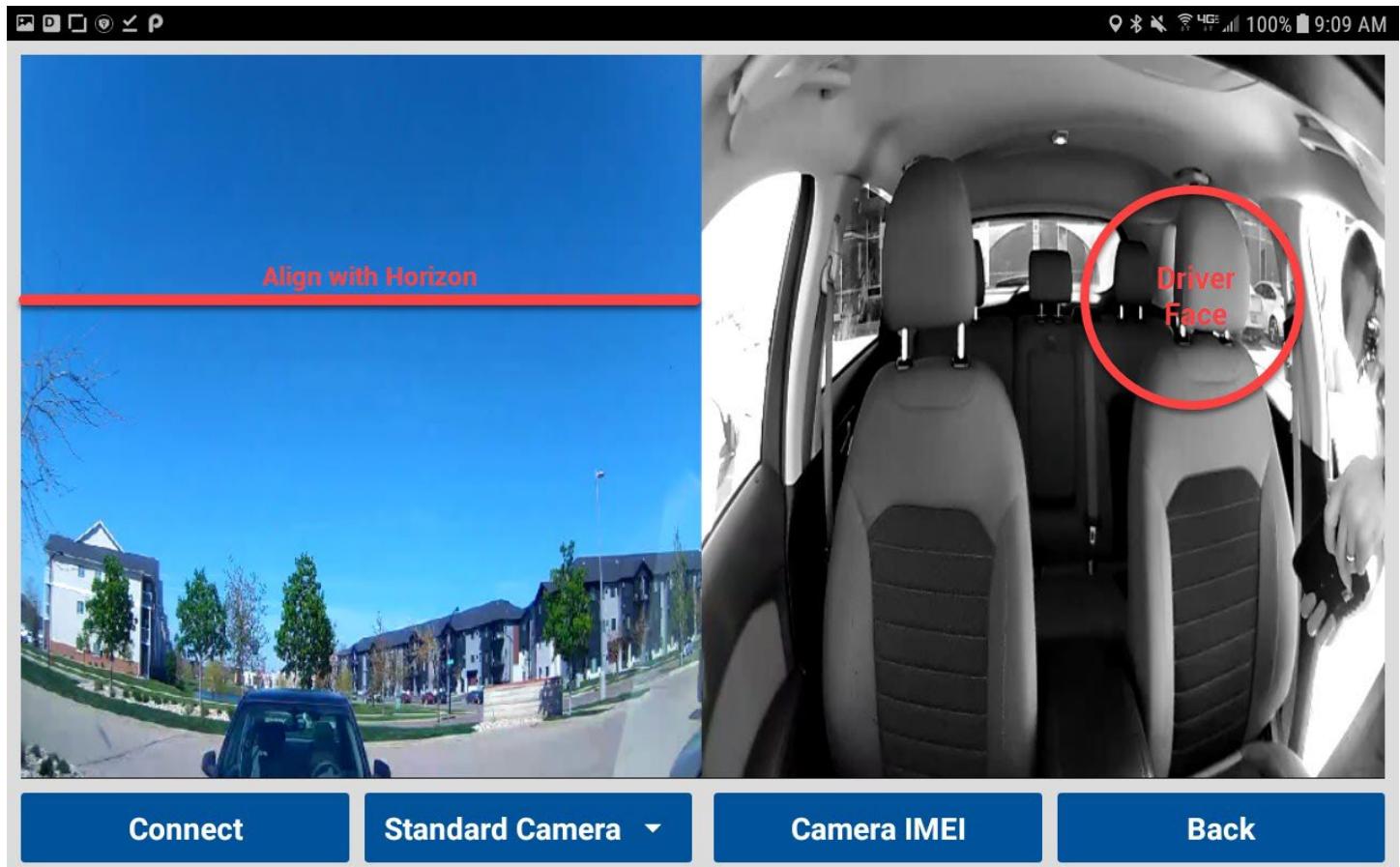
Video List						
Request DVR Video						
Date/Time	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from today)					Camera Misalignment	
Mon 24-Jan-22 03:20 PM (CST)	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Camera Misalignment	
Sun 23-Jan-22 11:19 AM (CST)	Pedigree - CO - 337	Thomas Russell	Video	Available	Camera Misalignment	
Wed 19-Jan-22 12:05 PM (CST)	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Camera Misalignment	
Wed 19-Jan-22 11:53 AM (CST)	Pedigree - CO - 337	Thomas Russell	Video	Available	Camera Misalignment	
Wed 19-Jan-22 08:19 AM (CST)	Pedigree - CO - 337	Thomas Russell	Video	Available	Camera Misalignment	

Here in this example, there is too much hood of the vehicle and the rearview mirror is blocking a good view of the driver.



The screenshot shows the OneView CameraView software interface. On the left, there's a sidebar with 'MAINTENANCE' and 'asset map' buttons. The main area is titled 'Video' and displays a video feed from a camera mounted on a vehicle. The video shows a road ahead and the interior of the vehicle. Two orange arrows point to specific areas: one arrow points to the top right corner of the video frame where the driver's face is partially obscured by the car's interior, and another arrow points to the bottom left corner of the video frame where the horizon line is misaligned. Below the video, there are details about the video event: Title: Video, Asset: Pedigree - CO - 107, Driver: Nick Dugan (D), Start Time: Mon 24-Jan-22 03:20 PM (CST), End Time: Mon 24-Jan-22 03:20 PM (CST), Duration: Instant, Event Type: Camera Misalignment, Video Status: FINISHED. There's also a section for Recent Comments with a note that there are no results, and a Comment input field.

There is an alignment guide in the Camera Setup option that is used during installation, but can also be accessed after the installation. If the tablet is logged out of POV, the login screen ellipsis menu shows a Camera Setup option. Go there and you will see guides overlay to use to align the camera.



Distracted Driving

In the process of getting better and better, the distracted driving detection will find moments of the driver not looking at the road for various reasons including, but not limited to, cell phone or other device distraction, talking with passengers, and other times the driver looks away from the roadway.

Video List

Request DVR Video

Date/Time	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from today)	Pedigree - TX - 120	John Melia	Video	Available	Distracted Driving	7143 Roswell 88210, United States

Video

Title: Video

Asset: Pedigree - TX - 120

Start Time: Tue 07-Dec-21 07:00 PM (CST)

End Time: Tue 07-Dec-21 07:00 PM (CST)

Duration: Instant

Event Type: Distracted-Driving

Latitude: 32.8779 °

Longitude: -104.40124 °

Video Status: FINISHED

Stop Sign Violated

When a driver runs a stop sign or stop light, smart image detection from the video footage will create an event in OneView. You will find the event in the event history of the linked asset or the linked driver, on the video tab for the asset or driver, and in the video report or video tab. Click the event to see more details.

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from today)						
Sat 09 Oct 2021 11:57 AM	Pedigree - CO - 160	Jim Senger	Video	Available	Stop Sign Violated	3460 Rookery Court, Fort Collins, Colorado, United States
Sat 09 Oct 2021 11:57 AM	Pedigree - CO - 160	Jim Senger	Video	Available	Stop Sign Violated	6127 Estuary Court, Fort Collins, Colorado, United States
Thu 07 Oct 2021 11:57 AM	Pedigree - CO - 160	Jim Senger	Video	Available	Stop Sign Violated	5229 Taft Avenue, Loveland, Colorado, United States

After clicking the event, you will see a pop up window with a map of where the event occurred and a video tab (shown here) with the video you can watch or download. The right side of the event window includes relevant data about the event, such as start and end date/time, the lat/long, and the vehicle associated with the failure to stop.



The screenshot shows the OneView CameraView interface. On the left, there is a vertical sidebar with icons for Maintenance, Driver, and other users. The main area has a "Video" tab selected. It displays a map from Google with a green dot indicating the event location. To the right of the map is a video player showing a view from a vehicle's dashcam. The video shows a police officer standing next to a blue police car with "POLICE" written on it. The timestamp in the video player is 0:00 / 0:14. Below the video player, there is event data:

- Title:** Video
- Asset:** Pedigree - CO - 160
- Start Time:** Sat 09 Oct 2021 11:57 AM
- End Time:** Sat 09 Oct 2021 11:57 AM
- Duration:** Instant
- Event Type:** Traffic-STOP-Sign-Violated
- Latitude:** 40.50067 °
- Longitude:** -105.01393 °
- Video Status:** FINISHED

Below the event data, there is a "Recent Comments" section and a "Comment" input field.

Tailgating

When a driver tailgates the vehicle in front of them at 40mph or faster, smart image detection from the video footage will create an event in OneView. You will find the event in the event history of the linked asset or the linked driver, on the video tab for the asset or driver, and in the video report or video tab. Click the event to see more details.

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from toc)						
Tue 07 Sep 2021 09:02 AM	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Camera Misalignment	-
Tue 07 Sep 2021 08:08 AM	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Tailgating	15900 West 13th Avenue, Gold United States
Tue 07 Sep 2021 07:54 AM	Pedigree - CO - 107	Nick Dugan (D)	Video	Available	Stop Sign Violated	15900 West 13th Avenue, Gold United States

OneView™ CameraView

Pedigree Technologies

After clicking the event, you will see a pop up window with a map of where the event occurred and a video tab (shown here) with the video you can watch or download. The right side of the event window includes relevant data about the event, such as start and end date/time, the lat/long, and the vehicle associated with the tailgating event.

The screenshot displays the OneView CameraView software interface. On the left, a vertical sidebar lists categories: Maintenance, Driver, and several rows of 'N/A' entries. The main area is titled 'Video'. It features a map of a residential area with streets labeled 'Pike St', 'Orchard St', 'W 13th Pl', 'W 13th Ave', 'W 12th Ave', 'W 11th Ave', 'W 10th Ave', 'Moss St', and 'Research Rd'. A circular icon with a target symbol is positioned over the map. To the right of the map is a video player showing a car driving on a road at dusk. An inset video in the top right corner shows two people in a vehicle. The video player includes controls for zoom (+/-), a person icon, and a grid icon. Below the video player, the timestamp is 0:00 / 0:12, and the coordinates are listed as 09-07-2021 07:08:06 Lat: 39.881893 Lon: -105.987762 speed: 19mph. Below the video player, detailed event information is provided:

Title Video
Asset Pedigree - CO - 107
Start Time Tue 07 Sep 2021 08:08 AM
End Time Tue 07 Sep 2021 08:08 AM
Duration Instant
Event Type Tail-Gating-Detected
Latitude 39.73701 °
Longitude -105.17881 °
Video Status FINISHED

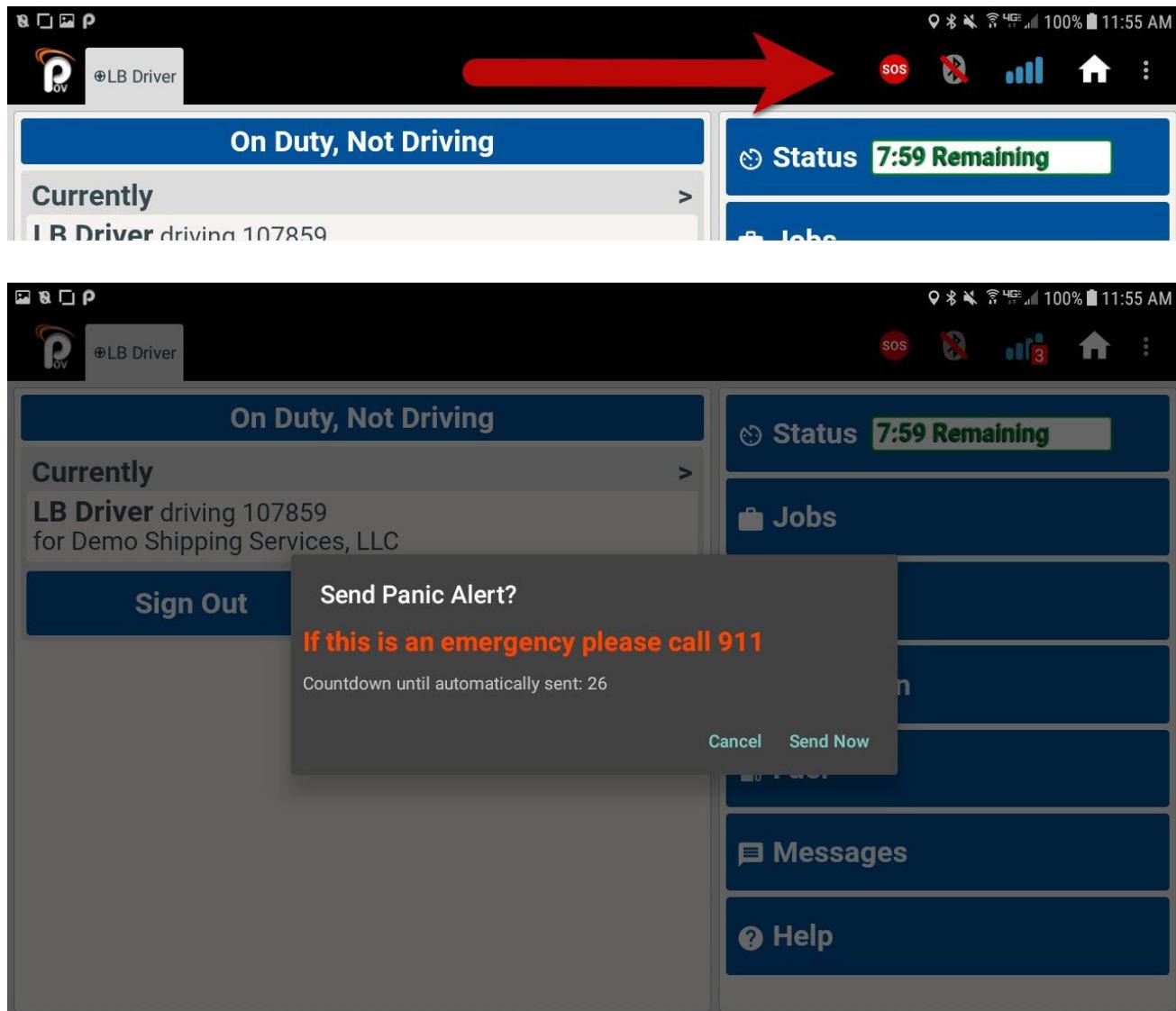
Recent Comments

Comment

Panic / Driver Request

If you have the Panic button added to your account (recommended for use with CameraView) the driver will have an SOS button in their POV app. When they press the SOS button, they can send a panic event to OneView which will also send 18 seconds of video, 9 seconds before they pressed the button and 9 seconds after.

Note: a panic alarm must also be set up in OneView. See Alarms section.

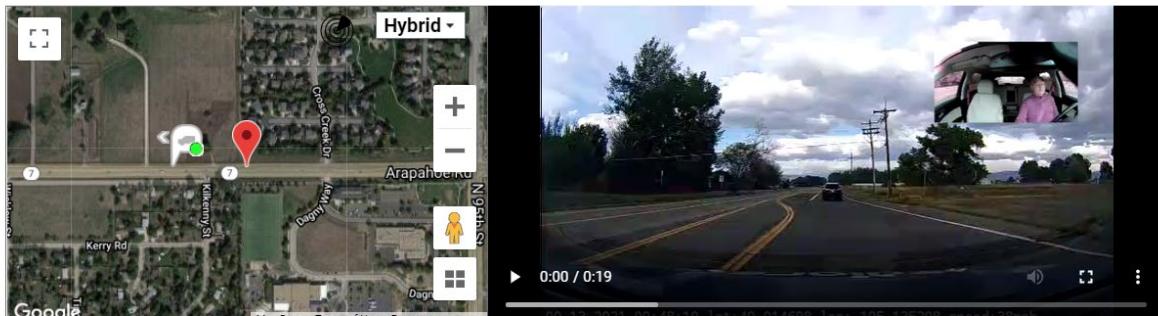


View Panic Event

On the Driver's video tab, you will see the Panic event and video if available. If video has been sent, it will be available for view after the driver's current trip is over.

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By	Location
Last 6 months (from to)						
Mon 13 Sep 2021 09:48 AM	Pedigree - CO - 337	Thomas Russell	Panic	Available	-	9292 Arapahoe Rd 80026, United States
Mon 13 Sep 2021 09:32 AM	-	Thomas Russell	» Acceleration	Available	-	12454 East Baseline 80516, United States
Mon 13 Sep 2021 09:32 AM	Pedigree - CO - 337	Thomas Russell	Video	Available	Acceleration	12454 East Baseline 80516, United States

Panic



Title: Panic
User: Thomas Russell
Tractor: Pedigree - CO - 337
Start Time: Mon 13 Sep 2021 09:48 AM
End Time: Mon 13 Sep 2021 09:48 AM
Duration: Instant
Latitude: 40.0147 °
Longitude: -105.13567 °
Video Status: FINISHED

Recent Comments

Comment:

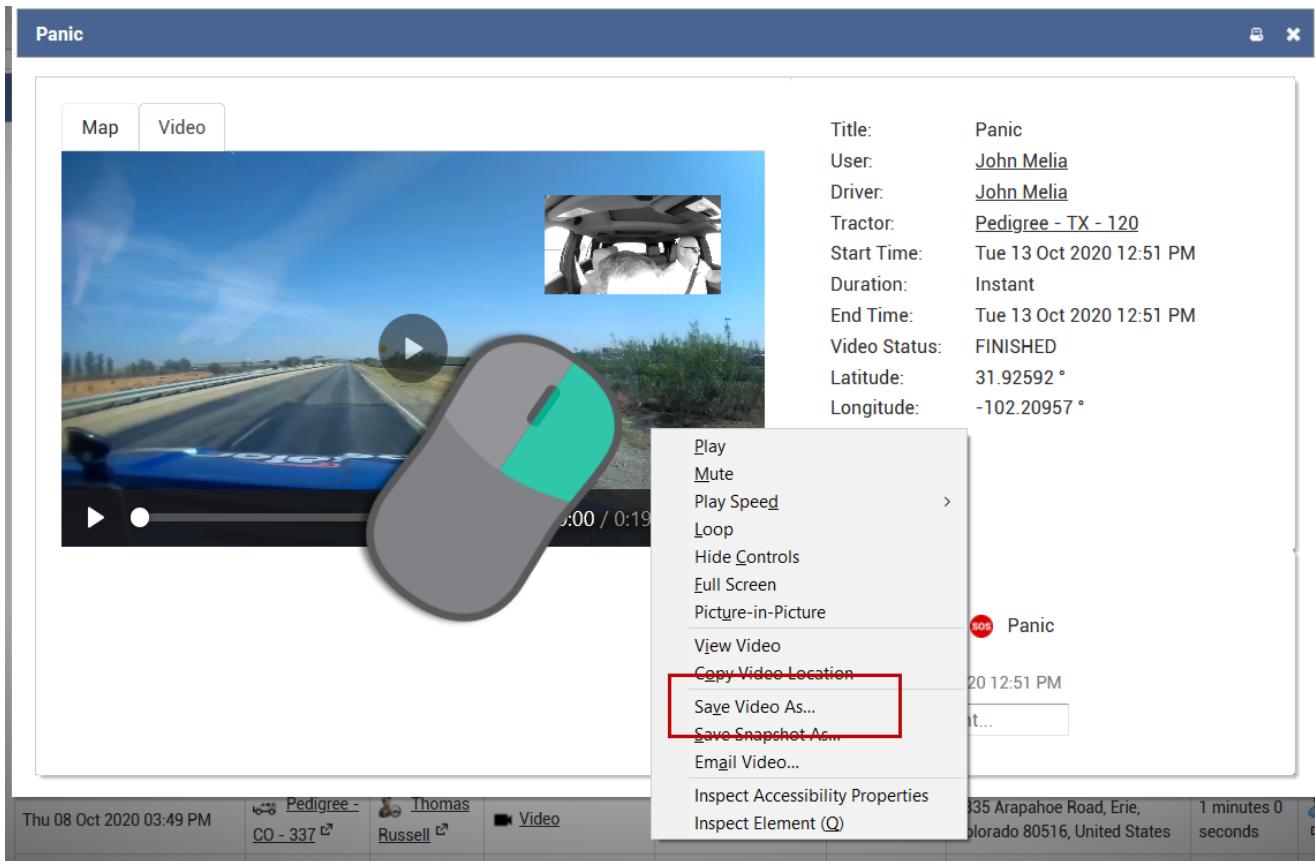
Download video

Downloading video is different for each browser.

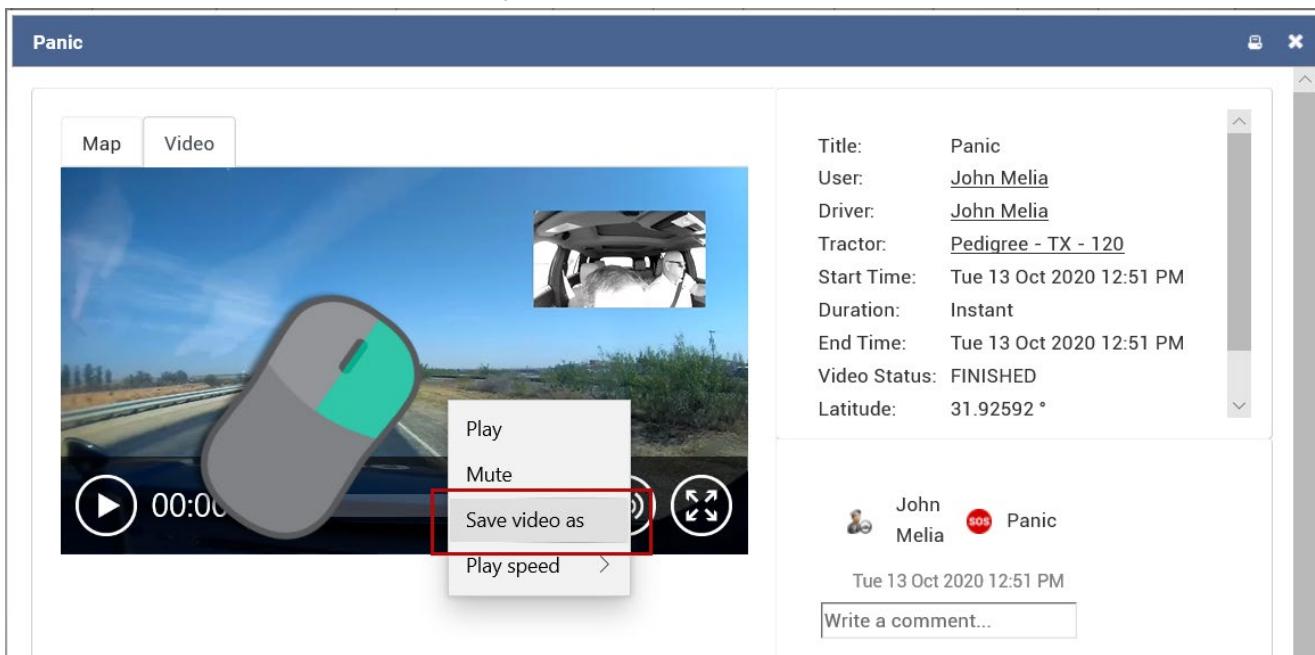
Chrome - Click on the 3 dots button in the lower corner of the video to find the download option. Video will download directly to your computer as an mp4 file.



Firefox – right click on the video. Choose Save As from the menu. Then name your file and choose where to download. The video will download as an mp4.



Microsoft Edge – right click anywhere on the video. Choose Save As from the menu. Then name your file and choose where to download. The video will download as an mp4.



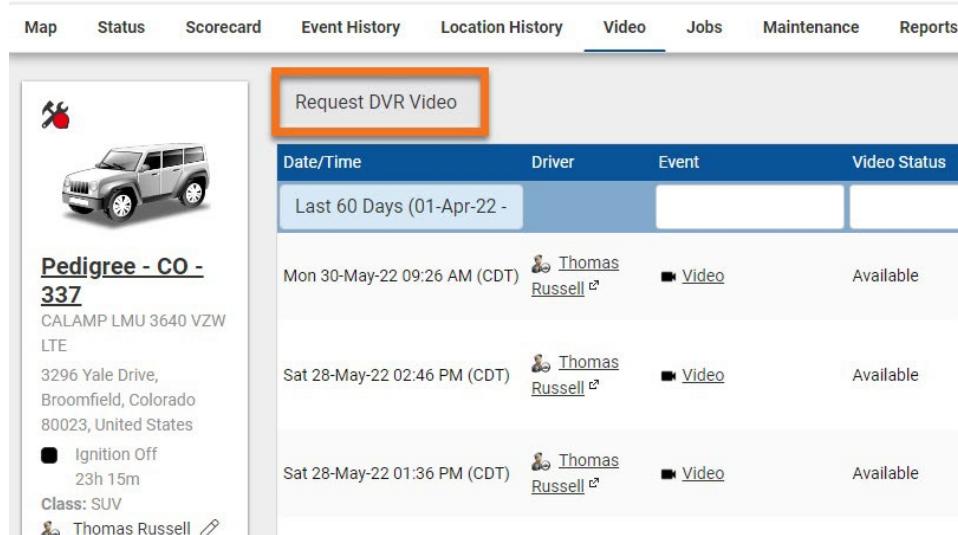
DVR Request

You can request 1 consecutive minute or timelapse of video from the SD card directly through OneView. As long as the camera is connected and has power *or for the Ridecam the driver's tablet has data connection* and the request is from a completed trip, the video will sync back to OneView in just a few minutes. If the camera is not connected (has no power because the truck is ignition off) or for the Ridecam the driver's tablet does not have a data connection at the time of request, the video will be sent the next time the camera/tablet connects to data. If the request is from a current trip, the video will be sent after the current trip is complete. If more than 1 minute of video is needed, make several requests. DVR requests can only be made during the last 7 day period. You cannot request anything older than one week.

Ridecam Note: Cab-Mate One and Cab-Mate Connect have data connection when truck's ignition is on and running AND the tablet is on and snapped into the cradle/docking station, OR when the tablet is on a WiFi Internet connection. The Cab-Mate Open should have a constant cellular data connection unless it is in a non-coverage area or the driver has turned the tablet off. The driver must be logged in to POV in all cases.

Steps to request video

Click on "Request DVR Video"

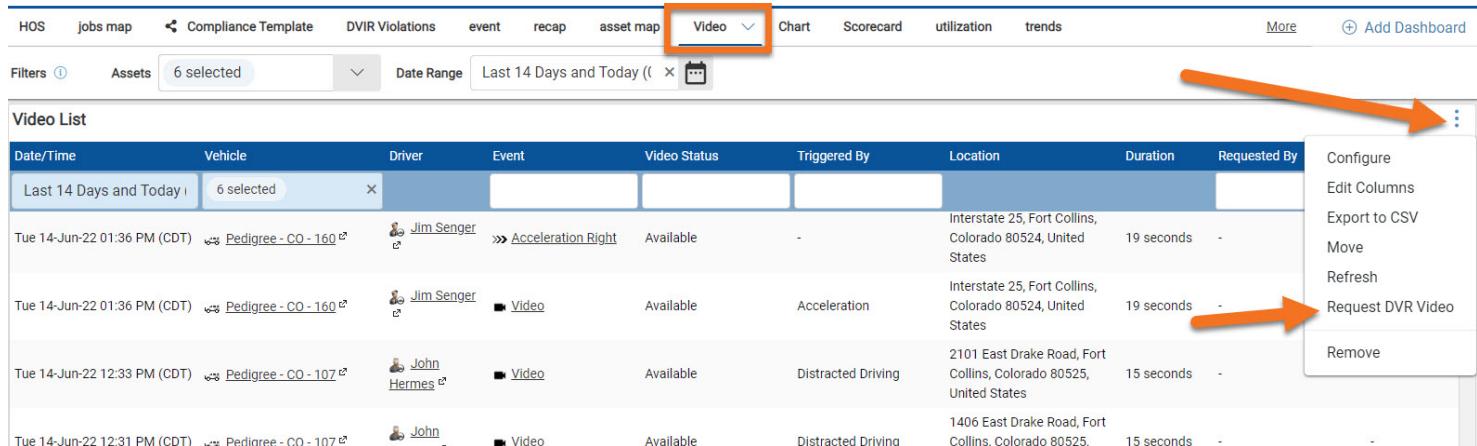


The screenshot shows the OneView CameraView dashboard. On the left, there's a vehicle icon and a summary for 'Pedigree - CO - 337'. The main area is titled 'Request DVR Video' and contains a table with columns: Date/Time, Driver, Event, and Video Status. The table lists three entries, each with a video thumbnail, the driver's name (Thomas Russell), and the status 'Available'.

Date/Time	Driver	Event	Video Status
Last 60 Days (01-Apr-22 -)			
Mon 30-May-22 09:26 AM (CDT)	Thomas Russell	Video	Available
Sat 28-May-22 02:46 PM (CDT)	Thomas Russell	Video	Available
Sat 28-May-22 01:36 PM (CDT)	Thomas Russell	Video	Available

Request DVR from Video Dashboard Module

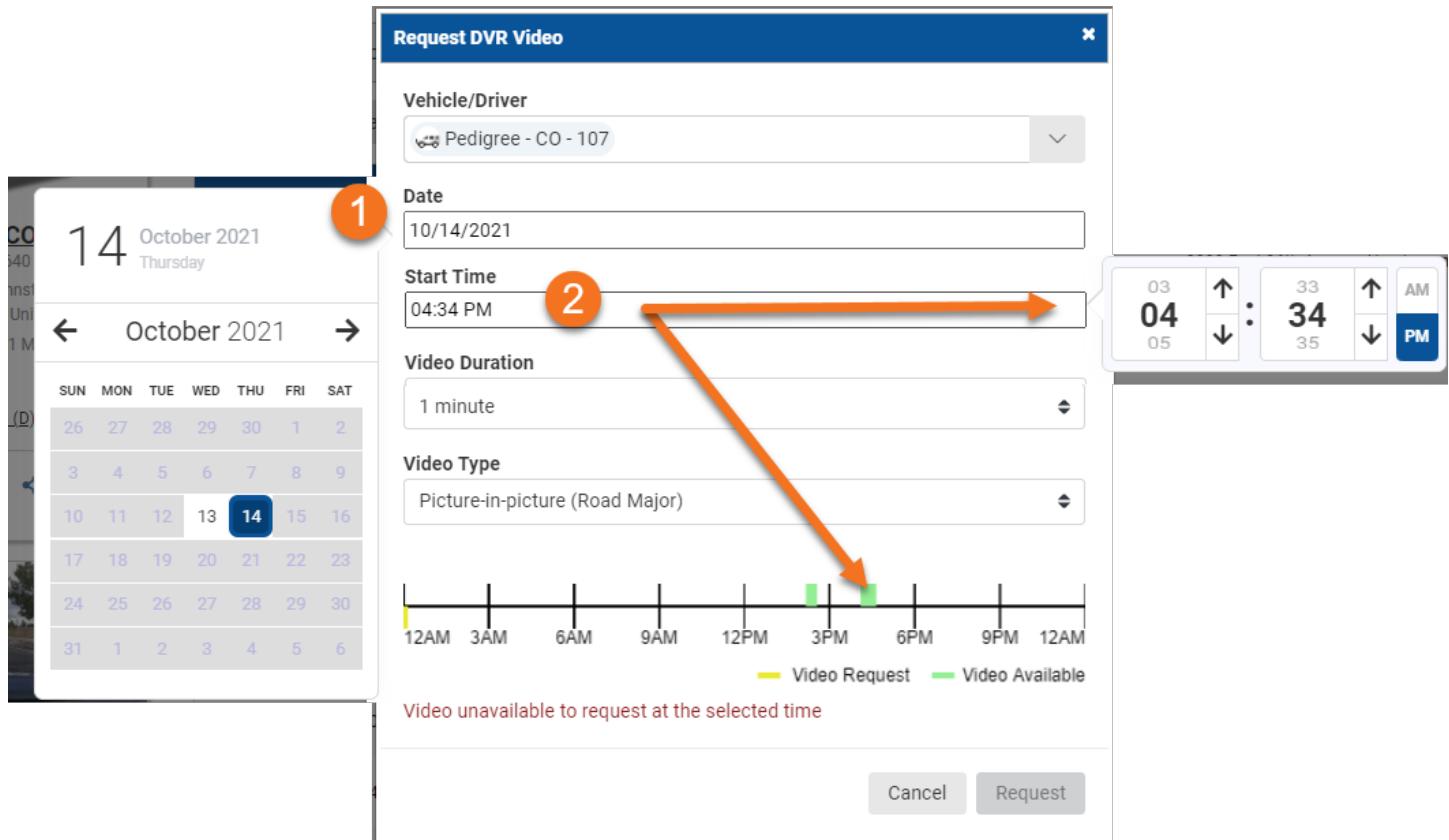
Click the ellipsis menu in the module header and then select Request DVR



The screenshot shows the Video Dashboard Module. At the top, there's a navigation bar with various links like HOS, jobs map, Compliance Template, DVIR Violations, event, recap, asset map, and a 'Video' dropdown menu. Below that is a filter section with 'Assets' and '6 selected'. The main area is titled 'Video List' and displays a table of video recordings. An orange arrow points to the 'Video' dropdown menu, and another orange arrow points to the 'Request DVR Video' option in the context menu that appears when clicking the ellipsis icon.

Date/Time	Vehicle	Driver	Event	Video Status	Triggered By	Location	Duration	Requested By
Last 14 Days and Today	6 selected							
Tue 14-Jun-22 01:36 PM (CDT)	Pedigree - CO - 160	Jim Senger	Acceleration Right	Available	-	Interstate 25, Fort Collins, Colorado 80524, United States	19 seconds	-
Tue 14-Jun-22 01:36 PM (CDT)	Pedigree - CO - 160	Jim Senger	Video	Available	Acceleration	Interstate 25, Fort Collins, Colorado 80524, United States	19 seconds	-
Tue 14-Jun-22 12:33 PM (CDT)	Pedigree - CO - 107	John Hermes	Video	Available	Distracted Driving	2101 East Drake Road, Fort Collins, Colorado 80525, United States	15 seconds	-
Tue 14-Jun-22 12:31 PM (CDT)	Pedigree - CO - 107	John	Video	Available	Distracted Driving	1406 East Drake Road, Fort Collins, Colorado 80525,	15 seconds	-

1. Date: a calendar will show which dates have video footage in the last 7 days
2. Start Time: choose what time you want the requested video to start. Either by clicking in the green area on the day's timeline at the bottom, or clicking in the Start Time field and choosing a time from the time picker



Request DVR Video

Vehicle/Driver
Pedigree - CO - 107

Date
10/14/2021

Start Time
04:34 PM

Video Duration
1 minute

Video Type
Picture-in-picture (Road Major)

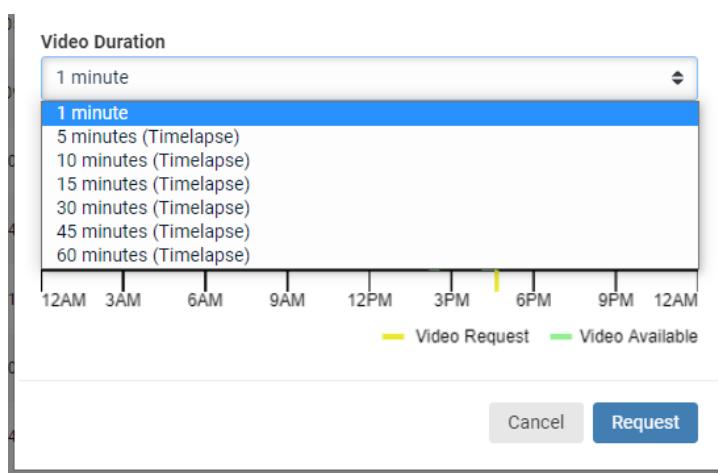
Timeline: 12AM, 3AM, 6AM, 9AM, 12PM, 3PM, 6PM, 9PM, 12AM
——— Video Request ——— Video Available

Video unavailable to request at the selected time

Cancel **Request**

3. Video Duration:

- a. 1 Minute will pull 1 minute of video starting at your set start time.
- b. Timelapse: normal frame rate is 24 frames per second. Timelapse will take every 100th frame for the duration and compile it into a playable video about 1/100th of the length of your chosen duration.



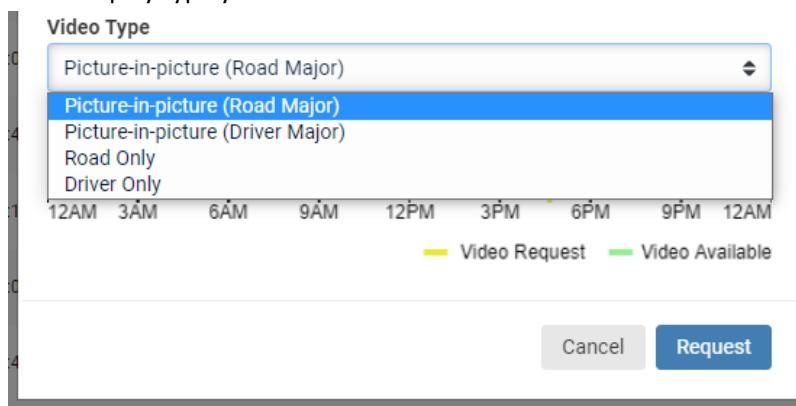
Video Duration
1 minute

1 minute
5 minutes (Timelapse)
10 minutes (Timelapse)
15 minutes (Timelapse)
30 minutes (Timelapse)
45 minutes (Timelapse)
60 minutes (Timelapse)

Timeline: 12AM, 3AM, 6AM, 9AM, 12PM, 3PM, 6PM, 9PM, 12AM
——— Video Request ——— Video Available

Cancel **Request**

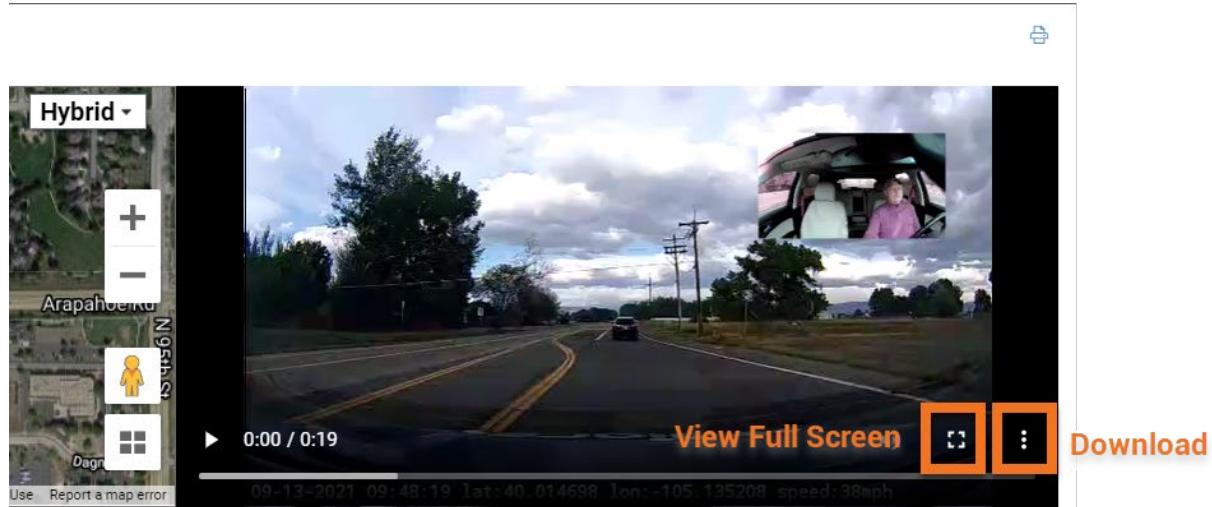
Video Type: The front facing camera will only pull road view, no matter what you select here. The dual camera will pull the video display type you choose.



4. Any requests made will show in the Video tab and the Video Report

Date/Time ▾	Vehicle	Driver	Event	Video Status	Triggered By	Location	Duration	Requested By	Request Time
Last 6 months (from to)									
Fri 10 Sep 2021 11:05 AM	Pedigree - TX-120	John Mellia	Video	Available	DVR Request	6112 North Highway 349, Midland, Texas 79705, United States	1 minutes 0 seconds	Lynette Burgen	Thu 16 Sep 2021 01:40 PM
Tue 31 Aug 2021 01:28 PM	Pedigree - TX-120	John Mellia	Video	Available	DVR Request	4110 North Big Spring Street, Midland, Texas 79705, United States	1 minutes 0 seconds	Lynette Burgen	Tue 31 Aug 2021 02:26 PM

5. Click on the video link to view the 1 minute video in a pop-up box where you can download the video, play the video, and see the details of the video.



Video Report

Pull a video report on drivers or assets and receive a list of each of the videos that have arrived in OneView for the selected timeframe. See the driver and vehicle involved, the event type that generated the video, how the video was triggered, and if it was an accident or panic event, you'll also receive the location of the event. You will not receive a location for video DVR

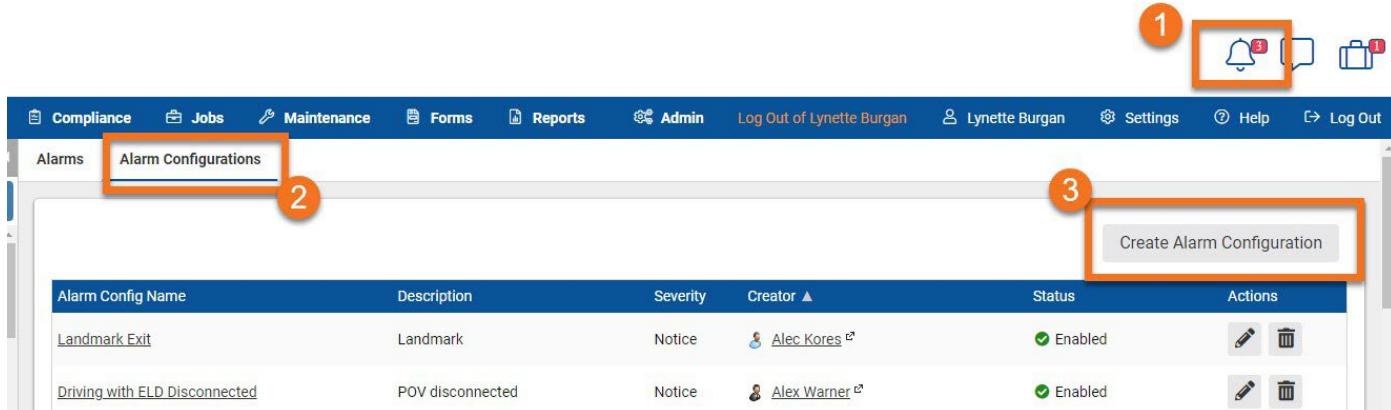
requests. The report is found in the Vehicles category and Drivers category on the reports pages.

Video Report						
Time Range: 12:00 AM 10/30/2019 CDT to 12:00 AM 11/07/2019 CST Generated: 02:47 PM 11/06/2019 CST						
Time	Driver	Vehicle	Event	Triggered By	Location	Duration
Oct 30, 2019 12:07 PM		7028	Video	DVR Request		0:01:00
Oct 31, 2019 6:33 AM		7028	Video	DVR Request		0:01:00
Oct 31, 2019 9:08 AM		7028	Video	DVR Request		0:01:00
Oct 31, 2019 9:33 AM		7028	Video	DVR Request		0:01:00
Oct 31, 2019 9:46 AM		7028	Video	DVR Request		0:01:00
Oct 31, 2019 10:11 AM		7028	Video	DVR Request		0:01:00
Nov 1, 2019 6:42 AM		3325	Video	DVR Request		0:01:00
Nov 1, 2019 6:57 PM		6049	Video	DVR Request		0:01:00
Nov 1, 2019 7:00 PM		6049	Video	DVR Request		0:01:00
Nov 2, 2019 9:57 AM		2305	Video	ACCIDENT	Oklahoma 73439, United States	0:00:18
Nov 2, 2019 9:58 AM		2305	Accident Detection	Panic	Oklahoma 73439, United States	0:00:18
Nov 4, 2019 1:12 PM		6044	Video	ACCIDENT	Louisiana 70538, United States	0:00:19
Nov 4, 2019 3:19 PM		7007	Video	ACCIDENT	Louisiana 70570, United States	0:00:18
Nov 4, 2019 3:19 PM		7007	Accident Detection	Video	Louisiana 70570, United States	0:00:18
Nov 4, 2019 3:21 PM		7007	Video	ACCIDENT	Louisiana 70570, United States	0:00:18
Nov 4, 2019 3:21 PM		7007	Accident Detection	Video	Louisiana 70570, United States	0:00:18
Nov 4, 2019 3:22 PM		7007	Video	ACCIDENT	Louisiana 70570, United States	0:00:18
Nov 4, 2019 3:22 PM		7007	Accident Detection	Video	Louisiana 70570, United States	0:00:18
Nov 5, 2019 5:25 AM		6063	Video	DVR Request		0:01:00
Nov 5, 2019 7:17 AM		6055	Video	DVR Request		0:01:00
Nov 5, 2019 7:49 AM		6063	Video	DVR Request		0:01:00

Alarms

There are multiple alarms that will help you stay aware of camera related issues, events that auto-create video, and situations where attention may be needed.

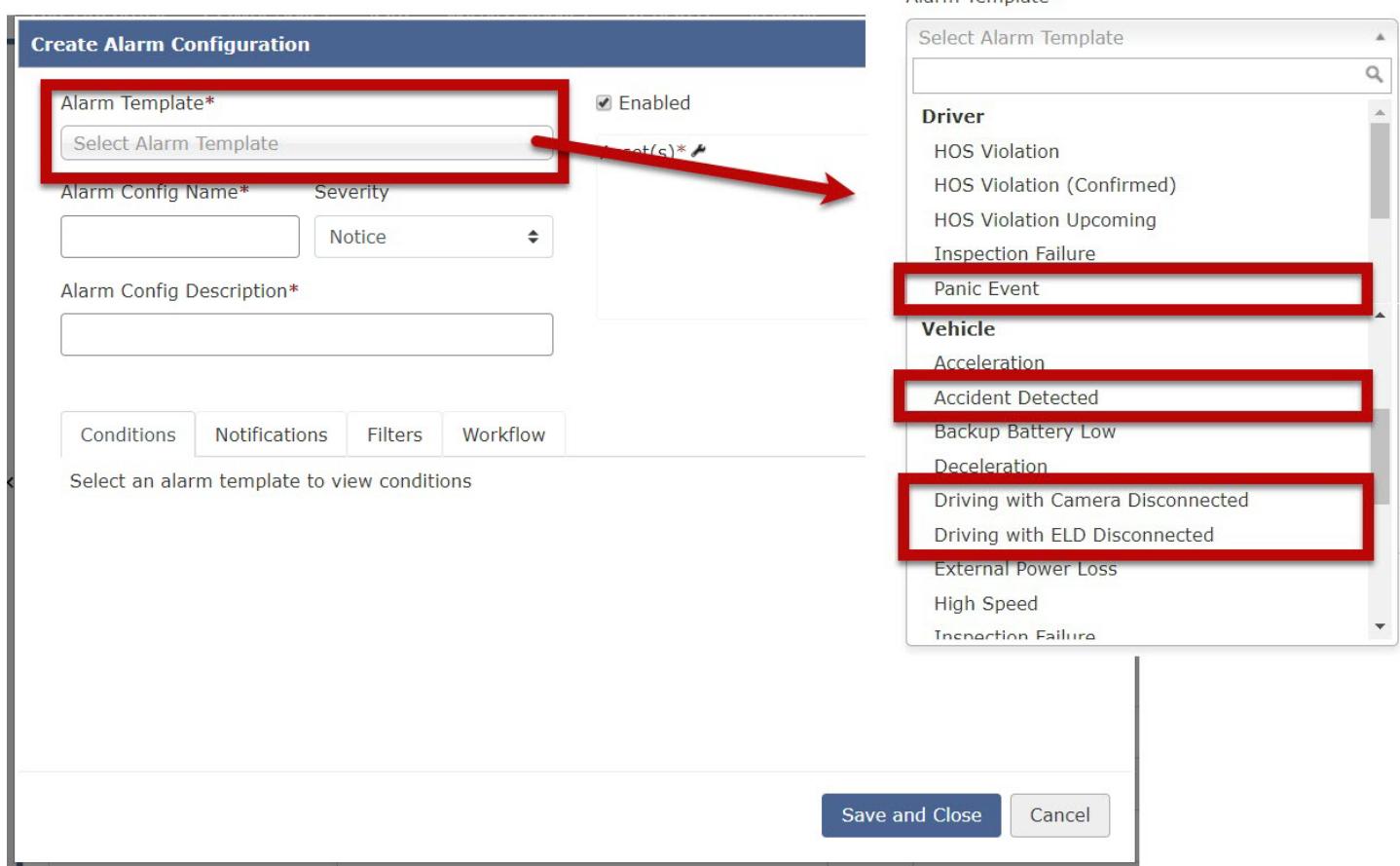
To set any of the following alarms, click on Settings >> Alarm Configurations >> Create Alarm Configuration.



The screenshot shows the OneView application interface. At the top, there is a navigation bar with links for Compliance, Jobs, Maintenance, Forms, Reports, Admin, Log Out of Lynette Burgan, Lynette Burgan, Settings, Help, and Log Out. Below the navigation bar, there are two main tabs: 'Alarms' and 'Alarm Configurations'. The 'Alarms' tab is currently selected, and its name is highlighted with a red box and a number '2'. In the center of the page, there is a table titled 'Alarm Configurations' with columns for 'Alarm Config Name', 'Description', 'Severity', 'Creator', 'Status', and 'Actions'. Two rows are listed: 'Landmark Exit' (Description: Landmark, Severity: Notice, Creator: Alec Kores, Status: Enabled) and 'Driving with ELD Disconnected' (Description: POV disconnected, Severity: Notice, Creator: Alex Warner, Status: Enabled). To the right of the table, there is a large orange box containing the text 'Create Alarm Configuration' with a number '3' above it. In the top right corner of the page, there is a toolbar with icons for bell, message, and briefcase, also highlighted with a red box and a number '1'.

Alarm Config Name	Description	Severity	Creator ▲	Status	Actions
Landmark Exit	Landmark	Notice	Alec Kores	Enabled	
Driving with ELD Disconnected	POV disconnected	Notice	Alex Warner	Enabled	

Next select the alarm template in the first field and choose one of the following alarms described below.



Create Alarm Configuration

Alarm Template* Enabled

Alarm Config Name* Severity

Alarm Config Description*

Conditions **Notifications** **Filters** **Workflow**

Select an alarm template to view conditions

Save and Close **Cancel**

Alarm Template*

Select Alarm Template

Driver

- HOS Violation
- HOS Violation (Confirmed)
- HOS Violation Upcoming
- Inspection Failure
- Panic Event

Vehicle

- Acceleration
- Accident Detected
- Backup Battery Low
- Deceleration
- Driving with Camera Disconnected
- Driving with ELD Disconnected
- External Power Loss
- High Speed
- Inspection Failure

Panic Event Alarm

If you are using the Panic button on the driver's tablet, you MUST set the Panic Event alarm. This alarm sounds when the driver presses the SOS button on their tablet. Without the alarm, you would not have a panic event. With the camera, in addition to having the Panic Event alarm sound, 18 seconds of video, if available, will automatically upload to OneView . You will see this video in the alarm alert and on the driver's video tab.

Steps to set a Panic Event Alarm.

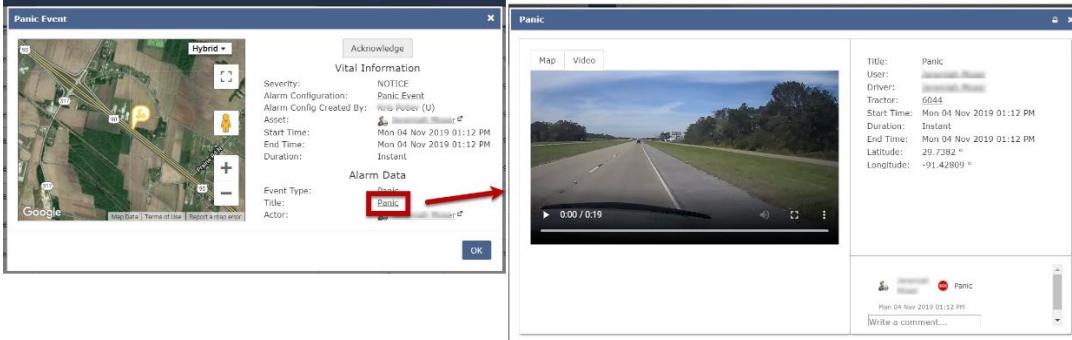
1. Choose the Panic Event in the Alarm Template
2. Alarm Config Name will appear by default as Panic Event. Change if desired.
3. Set the Severity – we recommend Critical
4. Alarm Config Description will default as “Panic Event Received”. Change if desired.
5. Click the assets wrench and choose your Drivers. (Alarm is only set on Drivers – not on assets.)
6. Click on Notifications and check send notifications. Choose who to notify and by email or text or both.
7. Save and Close

Create Alarm Configuration

1	Panic Event	2	Panic Event	3	Critical	4	Panic Event Received	5	Drivers	6	Conditions	7	Save and Close
<input checked="" type="checkbox"/> Enabled <input checked="" type="checkbox"/> Asset(s) <input checked="" type="checkbox"/> Send Notifications Notify: Rickey Clark By: Email + Text <input type="checkbox"/> And Escalate													

Viewing Video from Panic Event Alarm

Once the Panic event occurs, the OneView user who receives the alert can click in the email or text to go directly to the alarm event in OneView. In the alarm event, use the acknowledge button to acknowledge the alarm. You can see details about where the panic event occurred and who pressed the panic button and when. Click the Panic link in the Alarm Data section to open the panic event to see the video and other details about the event. The video may not appear right away. The tractor's trip must be complete before the video will be finalized and appear for viewing.



Accident Detected Alarm

When you sent up an accident detected alarm, you can receive immediate notification of the event by email and/or text message. After receiving the alert, you can look at the details of the accident in OneView. There are multiple situation types that would possibly trigger an accident detected alarm or an accident event. Not all accidents may be detected as there are many possibilities, though the probability that OneView will register any such accident is great. Hard breaking events could trigger an accident event. Hard cornering, or variations in the internal accelerometer of the telematics device could trigger an accident event. An airbag deployment could also trigger an event, though not all asset's ECM's will send airbag deployment data through the diagnostics to the telematics device. In any case, the accelerometer would most likely register that type of an accident.

Steps to set an Accident Detected Alarm.

1. Choose the Accident Detected in the Alarm Template – Vehicles section
2. Alarm Config Name will appear by default as Accident Detected. Change if desired.
3. Set the Severity – we recommend Critical
4. Alarm Config Description will default as "Accident Detected". Change if desired.
5. Click the assets wrench and choose your Assets. (Alarm is only set on assets – not on drivers.)
6. Click on Notifications and check send notifications. Choose who to notify and by email or text or both.
7. Save and Close

Create Alarm Configuration

Alarm Template* **1** Accident Detected Enabled

Asset(s)* **5**

Alarm Config Name* **2** Accident Detected Severity **3** Critical

Alarm Config Description* **4** Accident Detected

Conditions Notifications Filters Workflow

Send Notifications

Notify Select User / Group By **6** Email + Text
Email Text Email + Text

And Send A Reminder

7 Save and Close Cancel

Viewing Video from Accident Detected Alarm

When you receive notification of an accident detected alarm, click on the link to view the event window in OneView. Then click on the Accident Detection link to view the accident event window. View details of the accident data and when the video arrives, view and download from the video tab in the accident detected event. Remember to acknowledge the event from the alarms list or from the alarm window.

Accident Detected

Severity: NOTICE
Alarm Configuration: Accident Detected
Alarm Config Created By:
Asset: 7007
Start Time: Mon 04 Nov 2019 03:22 PM
End Time: Mon 04 Nov 2019 03:22 PM
Duration: Instant

Event Type: **Accident Detection** **7** OK

Accident Detection

Map Video

Start Time: Mon 04 Nov 2019 03:22 PM
Duration: Instant
End Time: Mon 04 Nov 2019 03:22 PM
Latitude: 30.46083 °
Longitude: -92.09501 °
Rollover Start Time: 11/04/2019 03:22:48 PM CST
Rollover Detected: 1

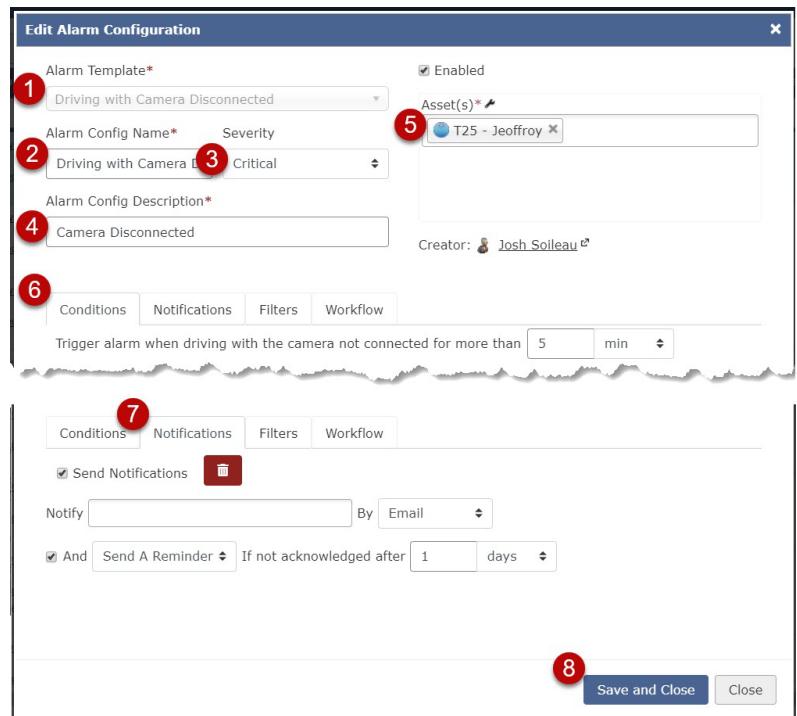
Acceleration

Driving with Camera Disconnected Alarm

Use this alarm to notify you that an asset is in operation without the camera connected. There will not be recorded video from your asset if the camera is disconnected.

Steps to set a Driving with Camera Disconnected Alarm.

1. Choose the Accident Detected in the Alarm Template – Vehicles section
2. Alarm Config Name will appear by default as Accident Detected. Change if desired.
3. Set the Severity – we recommend Critical
4. Alarm Config Description will default as “Accident Detected”. Change if desired.
5. Click the assets wrench and choose your Assets. (Alarm is only set on assets – not on drivers.)
6. Set the Conditions and choose how much buffer time before the alarm will sound.
7. Click on Notifications and check send notifications. Choose who to notify and by email or text or both.
8. Save and Close



The screenshot shows the 'Edit Alarm Configuration' dialog box. Step 1 highlights the 'Driving with Camera Disconnected' dropdown under 'Alarm Template'. Step 2 highlights the 'Driving with Camera Disconnected' dropdown under 'Alarm Config Name' and 'Severity' (set to Critical). Step 3 highlights the 'Critical' severity selection. Step 4 highlights the 'Camera Disconnected' description. Step 5 highlights the 'Asset(s)' dropdown containing 'T25 - Jeoffroy'. Step 6 highlights the 'Conditions' tab. Step 7 highlights the 'Notifications' tab, showing the 'Send Notifications' checkbox checked and notification settings for email and reminder. Step 8 highlights the 'Save and Close' button.

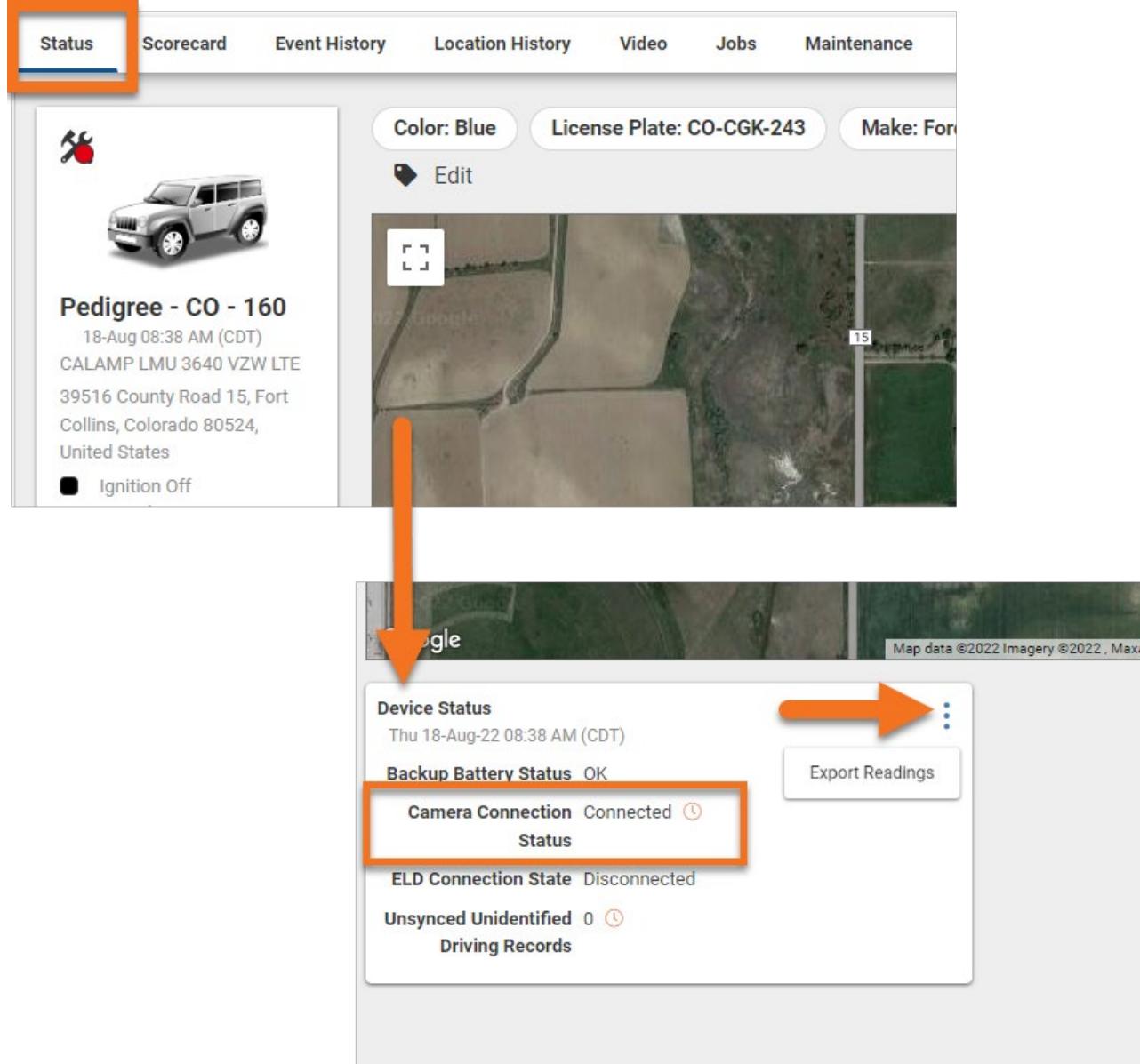
View Driving with Camera Disconnected Alarm

There will not be any video to view when this alarm triggers in OneView. From the email or text alert, click on the view alarm link to see the details window. If the vehicle is currently driving with the camera disconnected, you will see the Reset Alarm button next to the Acknowledge button. Make sure to acknowledge the alarm.



Camera Connection Status

It is important to monitor the camera connection status of trucks in operation. The before mentioned Driving with Camera Disconnected alarm is one way to monitor connection status, and another way is to pull the Camera Connection Status csv in the asset summary. This csv is helpful for times when you are trying to request video and discover there is no video at that time. This CSV will show all the times the camera is connected and disconnected. For troubleshooting video not available scenarios, it is important to remember that not only does the camera need to be connected during a tractor's operation, the driver also needs to be logged into POV on a tablet that has an SD card and also be connected to the asset.



The screenshot shows the OneView CameraView interface with the "Status" tab selected. The main area displays a truck icon, vehicle details (Pedigree - CO - 160, 18-Aug 08:38 AM (CDT), CALAMP LMU 3640 VZW LTE, 39516 County Road 15, Fort Collins, Colorado 80524, United States, Ignition Off), and a map. An orange arrow points down to the "Device Status" panel.

Device Status

- Thu 18-Aug-22 08:38 AM (CDT)
- Backup Battery Status** OK
- Camera Connection** Connected (Status)
- ELD Connection State** Disconnected
- Unsynced Unidentified** 0 (Driving Records)

Export Readings

	A	B	C	D	E
1	Asset	Time	Camera Connection Status		
2	3000	11/5/2019 7:24	Disconnected (Closed)		
3	3000	11/5/2019 7:25	Connected		
4	3000	11/5/2019 7:27	Disconnected (Closed)		
5	3000	11/5/2019 7:55	Disconnected (Closed)		
6	3000	11/5/2019 7:55	Connected		
7	3000	11/5/2019 10:33	Disconnected (Closed)		
8	3000	11/5/2019 10:47	Connected		
9	3000	11/5/2019 14:00	Disconnected (Closed)		
10	3000	11/5/2019 14:02	Connected		
11	3000	11/5/2019 14:06	Disconnected (Closed)		
12	3000	11/5/2019 14:06	Disconnected (Closed)		
13	3000	11/5/2019 14:09	Connected		

**Dual Camera may still record video if a driver is not logged in while using the Cab-Mate One and Cab-Mate Connect so long as the tablet has connected to the camera at some point in the past *and* the tablet is not swapped from truck to truck.

Drivers using a Cab-Mate Open will only record video if they are logged into POV, with an SD card, no matter which camera is installed in the vehicle.

OTHER

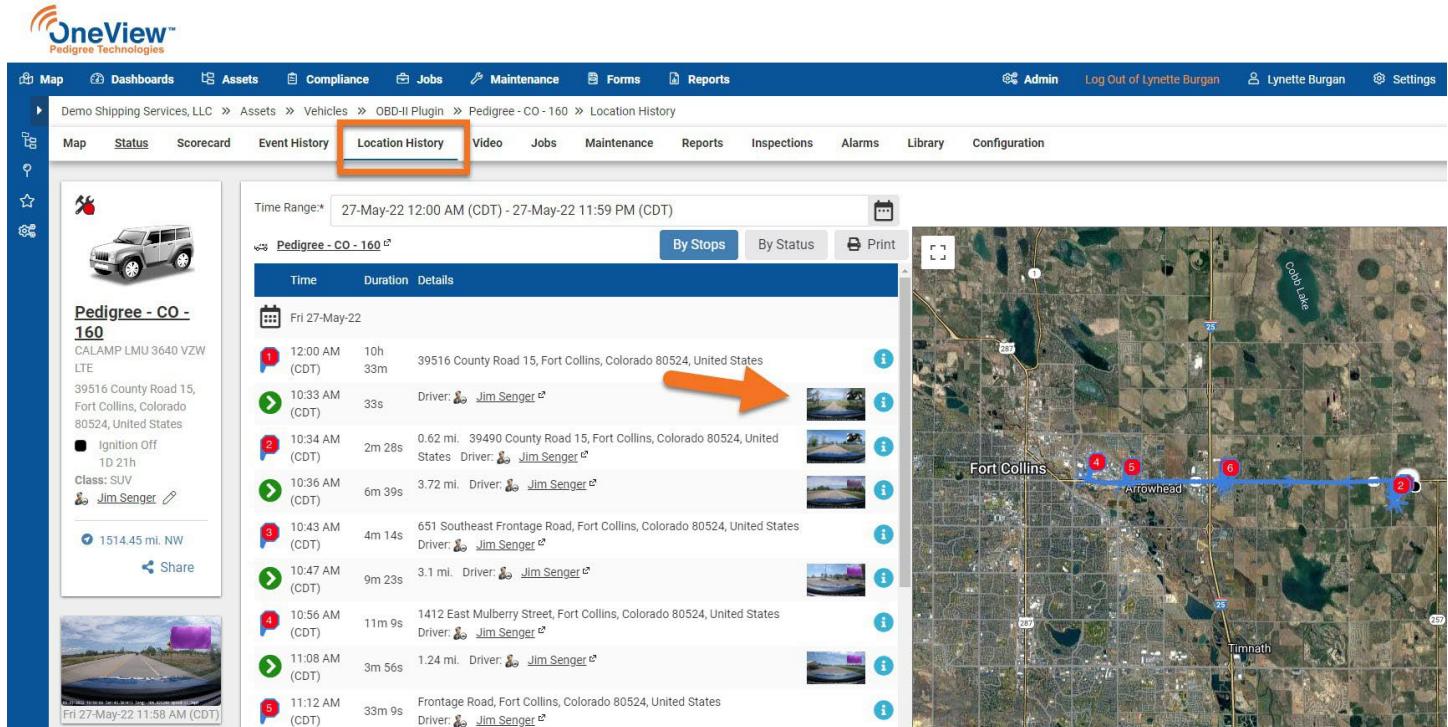
Dual Facing Camera Example

For the dual facing camera, all video will include a view of the driver overlaid on the road view like this example.



Location History Snapshots

For cameras that are in trucks that use the ELD, a snapshot will appear in the asset's summary information in the left side column as well as in the location history. The snapshot is updated about every 5 minutes while the truck is in operation and the camera is connected. (Coming soon, snapshots will be available on trucks that do not have driver tablets.)



Pedigree - CO - 160

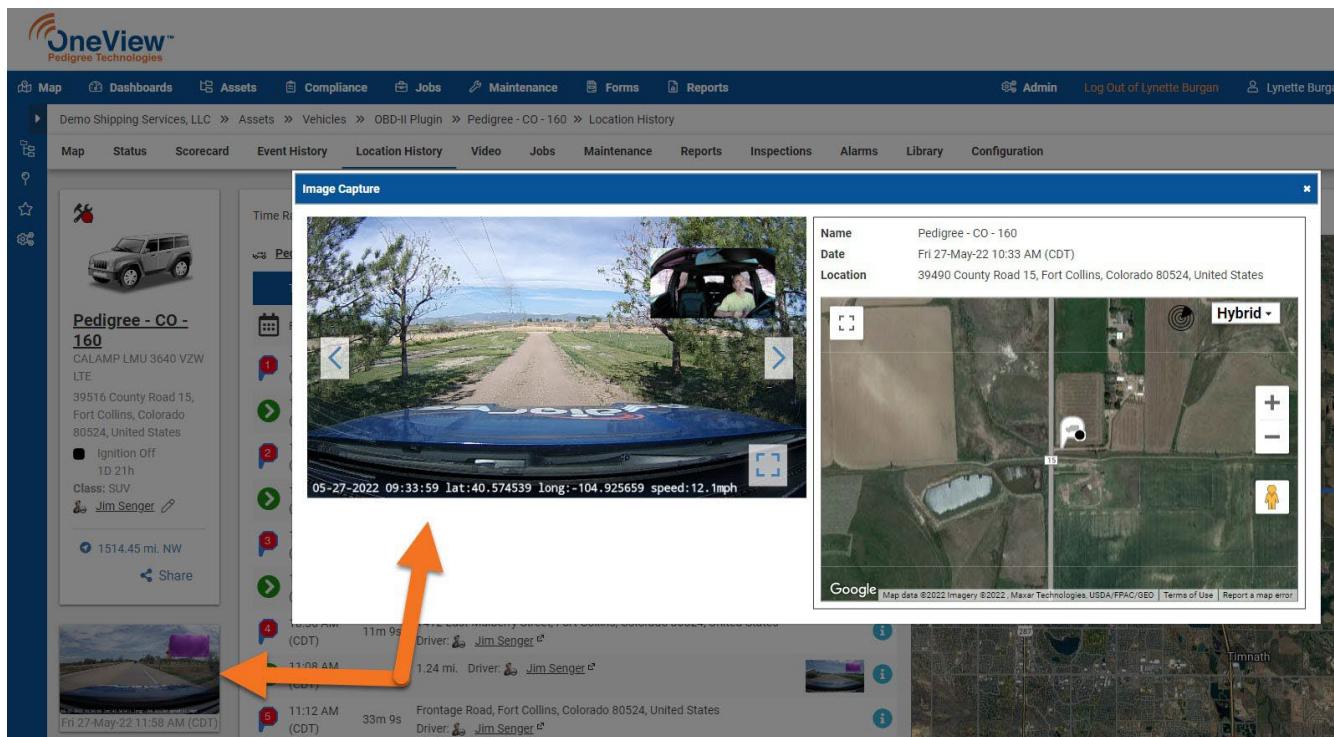
CALAMP LMU 3640 VZW LTE
39516 County Road 15, Fort Collins, Colorado 80524, United States
Ignition Off 1D 21h
Class: SUV Jim Senger
1514.45 mi. NW Share

Fri 27-May-22 12:00 AM (CDT) - Fri 27-May-22 11:59 PM (CDT)

Time	Duration	Details
12:00 AM (CDT)	10h 33m	39516 County Road 15, Fort Collins, Colorado 80524, United States
10:33 AM (CDT)	33s	Driver: Jim Senger
10:34 AM (CDT)	2m 28s	0.62 mi. 39490 County Road 15, Fort Collins, Colorado 80524, United States Driver: Jim Senger
10:36 AM (CDT)	6m 39s	3.72 mi. Driver: Jim Senger
10:43 AM (CDT)	4m 14s	651 Southeast Frontage Road, Fort Collins, Colorado 80524, United States Driver: Jim Senger
10:47 AM (CDT)	9m 23s	3.1 mi. Driver: Jim Senger
10:56 AM (CDT)	11m 9s	1412 East Mulberry Street, Fort Collins, Colorado 80524, United States Driver: Jim Senger
11:08 AM (CDT)	3m 56s	1.24 mi. Driver: Jim Senger
11:12 AM (CDT)	33m 9s	Frontage Road, Fort Collins, Colorado 80524, United States Driver: Jim Senger

Snapshot Gallery

If you click on a snapshot, you'll get a clickable gallery that you can cycle through all of the snapshots and their individual locations.



Pedigree - CO - 160

CALAMP LMU 3640 VZW LTE
39516 County Road 15, Fort Collins, Colorado 80524, United States
Ignition Off 1D 21h
Class: SUV Jim Senger
1514.45 mi. NW Share

Fri 27-May-22 12:00 AM (CDT) - Fri 27-May-22 11:59 PM (CDT)

Image Capture

05-27-2022 09:33:59 lat:40.574539 long:-104.925659 speed:12.1mph

Name: Pedigree - CO - 160
Date: Fri 27-May-22 10:33 AM (CDT)
Location: 39490 County Road 15, Fort Collins, Colorado 80524, United States