

idrive

automotive safety solutions





Proven Benefits

Improve driving behavior and safety

It has been definitively proven that the use of a video monitoring device reduces the number of accidents by more than 40%. Drivers pay more attention to the rules of the road therefore reducing incidents. This greatly increases the safety of the driver and security of the vehicle.

The Idrive system will reduce the frequency and the severity of unsafe driving behaviors and will objectively report the truth as to what actually happened when an accident or fatality has occurred

- Over 45,000 people are killed in traffic collisions every year in the United States alone!
- 1.2 million deaths are attributed to road traffic collisions globally each year and millions are disabled. (According to the World Health Organization - WHO)
- Over \$500 billion annual fiscal cost of road injuries and fatalities. (According to the World Health Organization WHO)

Cost reduction

When a driver pays more attention to the rules of the road, driving speed, safety and other benefits are achieved. Lower speeds combined with slower starts translate into a 20% increase in fuel economy. Lower speeds and slower stops contribute to longer life on tires, brake pads and many other vehicle components. The modified behavior translates directly into less accidents, lower insurance costs and less vehicle and driver down time. Accidents can often lead to litigation that can be costly. Drivers without direct supervision often take liberties with owners' vehicle's that they are not likely do with the Idrive installed.

Insurance

Many insurance companies are aware of the huge benefits of vehicle monitoring devices and have now started to award 10-20% discounts to companies installing them in their fleets.

Major insurance companies recommend Idrive.

Leading insurers and brokers recommend the Idrive System because they know it works. In actuarial studies, distinct correlation between improvements in risky driving and reduction in collision frequency has been shown - with Idrive delivering greater than 50% reduction in collision frequency in some cases.

Customer Service

In industries that service customers such as taxi and other transportation firms, customer service is paramount. It has been determined that not only when driving but when greeting and sending a customer off, the device records and reminds the driver to be courteous. Customer loyalty is a major part of repeat business in the service industry.

Environmental



In the current climate of our world, being not only financially frugal but environmentally friendly is a huge plus. With global warming and fuel consumption on the headlines daily, your firm will be doing it's part to reduce consumption and environmental effects.

Visibility into your fleet

Safety record and operating costs are the bussiness' risk factors that are directly affected by the driver's behavior on the road. By using a risk management solution, a business can reduce costs and significantly increase their fleet safety. More than 90% of all collisions involve driver error. Idrive is the risk management solution that focuses on the driver and driver behavior in traffic offering full visibility: video with sound, speed and location. Idrive Monitoring Systems helps fleets identify risky driving behavior that pose a threat to the safety of drivers, passengers and other traffic participants.

+ Reduce collision frequency

+ Exonerate drivers from fault when collisions occur

+ Decrease liability, physical damage & workers comp

+ Quickly and accurately resolve claims and reduce fraud

+ Improve fuel efficiency

+ Protect your drivers and your community

+ Increase productivity and profits – GPS tracking

+ Improve customer service

+ Better fleet supervision

Why monitor what your vehicles are doing?

If your home or business has a vehicle, even a car your teenager drives, a delivery vehicle, municipality owned or a dump truck, you have thousands of dollars tied up in its use.

Businesses are not contained to buildings. Many businesses have vehicles that are used daily in its operation. Owners are now demanding security for those vehicles because not only are they of great value, but misuse can cost billions of dollars lost in insurance, wear and tear, gas, potential litigation and time.

The control that Idrive gives to managers or owners, let's them know that their business is being looked after. This combined with irrefutable facts of cost and time savings make the next entrance into the surveillance world an obvious expansion. The video camera brings excellent results. The camera's most powerful tool is that it works based on behavior modification; people behave differently if they feel they're being watched.



The Idrive System

Idrive offers a Professional Event Data Recorder system for vehicles which captures high definition videos, both of the front of the vehicle and the interior, using a dual camera device that records when an event occurs. Events include: accidents, aggressive driving behavior, door open event or panic (after pressing the specially designed panic button). The Idrive dual camera device is designed to be mounted to the windshield, behind the rear view mirror.

The videos are stored on internal memory together with other information like G-force values, GPS coordinates, date, time and more, all collected from the device. The transfer to the Idrive Base Station or to a specific network is made via wireless or USB.

The system is managed by simple, intuitive and powerful software - Idrive Control Center - that includes a Transfer Application for communication between the Idrive dual camera device and the computer using WiFi or USB, a database manager for videos and a player that synchronizes the videos. The player allows the user to zoom, pan, advance frame by frame, expand video full size, view as full screen and save frame as an image. No unauthorized user can access the software without a username and a password.

Idrive Single Location System



Idrive Multiple Locations System



Idrive Base Station

The Idrive Base Station is a wireless communication station installed at a fixed location that supports all the Idrive video recording devices. The Idrive Base Station typically contains a dedicated server with Microsoft Windows 7 operating system, Idrive Control Center software installed and a powerful outdoor WiFi Access Point.

Designed for your needs: We recommend the configuration of the Base Station(s) based on the number of vehicles in your fleet at a single location. All Base Stations are designed to work in open space out-door environments. For specific locations such as underground garages, etc, please contact us and our engineering team will build you the configuration that will match perfectly with your location particularities.

Idrive Control Center

Designed for efficiency and ease of use, the Idrive Control Center software provides fleet managers, owners, and administrators with a comprehensive set of tools to give them a perfect view inside their fleets.

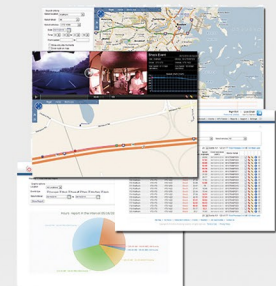
Idrive Control Center is created in a modular fashion, so you can choose the software components that are best suited to your company: Transfer Tool, Events Player, Events Review, GPS Tracking, Reports and more.



In touch with your fleet anytime anywhere

Enjoy the freedom to access your events manager system from work, home or on the road. All the events together with all local information from the Idrive Base Station will automatically synchronize with your web-based account. The web-based Idrive player synchronizes the driver side and the road videos together with audio and other information like GPS coordinates, date, time, speed and more.

The Idrive Global Center provides fleet managers, owners and administrators all sets of tools like GPS tracking, Reports and Reviews to give a perfect view inside their fleets from any location using any internet browser.



Idrive Cloud

Idrive Cloud stores your content - events, reports, drivers, vehicles, users - automatically. Idrive Cloud is seamlessly integrated into your Base Station and Global Center. With the Global Center web interface you can enjoy the freedom to access your events manager system from work, home or on the road. All the events together with all local information from the Idrive Base Station will automatically synchronize with your web-based account.



How the System Works

Record

The Idrive X1 is a Professional Event Data Recorder System for vehicles which captures high definition videos, both of the front of the vehicle and the interior, using a dual camera device that records when an event occurs. Events include: accidents, aggressive driving behavior, door open event or panic (after pressing the specially designed panic button). The Idrive dual camera device is designed to be mounted to the windshield, behind the rear view mirror. The videos are stored on internal memory together with other information like G-force values, GPS coordinates, date, time and more, all collected from the device.

Review

You can review or we can do it for you!

You can review your own videos using the Idrive events review module that offers users the possibility to evaluate, sort the events and drivers based on criteria's like root cause distractions, adverse conditions, risky actions, poor awareness and more.

We can review your videos for you. Idrive is offering an optional daily monitoring service of all triggered events, including weekly management reports. Managed Services allows the fleet owner or manager the luxury of having their vehicles watched for them. Idrive uses in-house video review operators that are trained to locate a series of violations including but not limited to: traffic violation, poor lane selection, unsafe speed, not scanning roadway, not scanning intersection, smoking, driver unbelted, hard braking and more. We can even tailor the list to include other infractions as an additional service. Managed Services is done on a six month renewable basis and can encompass some or all locations of a company.



Respond

Idrive makes it easy for fleet risk and safety managers to respond to video events. Interactive reports and more are available on the Base Station Server or online using the Idrive Global Center. These tools give a clear picture of what's really happening on the road. Managers can easily retrieve individual driver history and video events to replay and discuss, resulting in objective and prescriptive coaching sessions.

Reinforce

The Idrive System through the process of recording, reviewing, and responding leads to the most important: reinforcement. Beginning with the cameras in the vehicle and ending with a manager having a discussion on an individual's driving habits, the system changes the way an individual drives. Over time those changes because of the system, become driving habits. This driving habit will continue to be reinforced by using the system's Transfer Tool, Events Player, Events Review, GPS Tracking, Reports and more.

Are you too busy to review your events daily?

Idrive offers an optional daily monitoring service of all triggered events, including weekly management reports. Managed Services allows the fleet owner or manager the luxury of having their vehicles watched for them. Idrive uses in-house video review operators that are trained to locate a series of violations including but not limited to: traffic violation, poor lane selection, unsafe speed, not scanning roadway, not scanning intersection, smoking, driver unbelted, hard braking and more. We can even tailor the list to include other infractions as an additional service. Managed Services is done on a six month renewable basis and can encompass some or all locations of a company.

Installation and Training

Idrive Installation Team or our authorized partners provide comprehensive installation services for Idrive monitoring devices and Idrive Base Stations (wifi solutions, network solutions, server, etc). We provide you with installation planning, assistance and expertise required to achieve maximum efficiency with our monitoring system. By using our professional installation services you ensure your products are working correctly from the start.

We also offer on-site training services to fleet administrators, mechanics or fleet managers on how to install and configure the Idrive devices, how to use the software and how to receive maximum benefit from using the Idrive System.

*Please contact sales representative for pricing.

Professional Video Event Data Recorder*

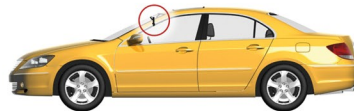
The Idrive X1 is a professional dual camera device which captures high definition video, both of the front of the vehicle and interior of the vehicle. The device records when an event occurs, including: accidents, aggressive driving behavior, door open, alarm or panic (after pressing the specially designed panic button).

The events/videos are stored on internal memory (4GB up to 32GB) together with other information like GPS coordinates, date, time and more, all collected from the device. The transfer to the Base Station is made using wireless or USB.

The Idrive X1 is designed to be mounted to the windshield, behind the rear view mirror.

An internal accelerometer along with other sensors and a GPS module can detect: aggressive driving behavior, accidents, speeding and more. Exceptional forces such as hard braking, swerving, collision, etc. cause the recorder to save critical seconds of audio and video footage immediately before and after the triggered event.

Information automatically wirelessly downloads to a dedicated Base Station. The Idrive Control Center's powerful software provides fleet managers a perfect view inside their fleets.



Technical Specifications

Camera and video

2 megapixels (driver camera)
2 megapixels (road camera)
168° wide angle (driver camera)
168° wide angle (road camera)
Video with audio (internal microphone)
Infrared illuminator for low light conditions

Accelerometer 3 axis

Wi-Fi (802.11b/g)

GPS Location and Speed

Capacity

4GB, 8GB, 16GB or 32GB internal memory
4GB, 8GB, 16GB or 32GB USB flash

Connectors and buttons

6 PIN automotive connector
USB connector
Wireless Panic Button learning switch
Wire Panic Button
Wireless Panic Button (up to 7)

Triggers

G-Force: accidents, hard brakes, acceleration
Wire Panic
Wireless Panic Button (up to 7)
Alarm / Taximeter / Siren or others
Door Open

LED indicators

Event triggered
Wi-Fi / usb transfer
Memory full (the device will start overwriting oldest data)

Power

Standard Input Voltage 12 V or 24 V

HD High Definition Videos

The system captures high definition videos, both front and interior of the vehicle, with dual ultra wide angle lenses (168° internal / 168° external).

USB download

An innovative USB adaptor - Idrive USB Flash - can be used to safely download the data in cases where there is no wireless network or in any emergency situations when the vehicle cannot connect to a wireless network.

GPS

A high technology GPS receiver records location coordinates and speed information during an event or at a specific time interval when the Tracking System Service is active.

Night Vision

The system automatically switches to infrared night vision to record videos at night.

WiFi

Information automatically downloads to a server (special designed Base Station); Internal standard wifi 802.11b/g compatible with any Wireless Network

Over 250 events

The videos are stored on an 4 GB (up to 32 GB) internal memory along with other information like G-Force values, GPS coordinates, date, time and other information.

Aggressive driving and accidents trigger

An internal accelerometer along with other sensors and a GPS module can detect: aggressive driving behavior, accidents and more. Exceptional forces such as hard braking, swerving, collision, etc. cause the recorder to save critical seconds of audio and video footage immediately before and after the triggered event.

Innovative Wireless Panic Button

Innovative wireless panic buttons that can be mounted on the dash, under the seat, on the key ring or kept in the pocket. The Idrive X1 device can work with up to 7 wireless panic buttons.



In-vehicle Integration

The Idrive X1 bracket is designed to offer a large variety of angles.



Idrive and the Environment

Did you know that each year fleet vehicles burn 8.9 billion gallons of fuel annually due to unnecessary idling and speeding? Chances are that each of your vehicles burns up to 800 gallons of fuel per year due to unnecessary idling alone, which costs an estimated \$2400 per vehicle annually. Now you can identify which vehicles are wasting time and money on excessive idling and speeding.

Did you know that fleet vehicles produce 30% of the CO₂ in the atmosphere every day? This equals 174 billion lbs of CO₂ annually (source: "Idling in the US", Make a leap). Particularly vehicle emissions have been proven to cause illnesses such as cancer, asthma, heart disease, lung disease and others. Not to mention the effects on earth's ozone layer. Not only does this cause problems for our society but they also cost your company money.

Utilizing various technologies, Idrive Solutions help to preserve the environment through:

Improved driving styles

Excessive accelerating, braking and inconsiderate driving puts an unnecessary strain on the engine, raising the fuel consumption and increasing the probability of traffic accidents. Addressing this issue leads to lower fuel consumption, better vehicle reliability and greater safety on the road, all of which have significant environmental implications. Idrive provides the means to analyze and correct the driving habits of your drivers.

Reduced fuel consumption

Idrive Solutions enables you to utilize all the means at your disposal for reducing fuel consumption and consequently preserving the environment. From optimizing routes, fleet size and composition, decreasing idling and non-revenue miles, to improving the quality of maintenance and driving styles, Idrive enables you to turn your business into an environmentally friendly one.

Optimized routes

Optimizing routes is an important step in reducing the fuel consumption since driving less means consuming less fuel, reducing the wear and tear on vehicle components and decreasing the probability of traffic accidents resulting in less potential damage to the environment.

Minimized idling

Idling burns 5% of all fuel in US. Nearly a billion tons of diesel fuel per year is wasted on engine idling. Considering these facts, any reductions in engine idling represents a big step towards environment preservation. Less idling means less fuel consumed which, in turn, means less pollutants released into the air. Idrive provides the means to detect and prevent excessive idling, thus making your business more environmentally friendly.

Reduced non-revenue mileage

Non-revenue miles can account for up to 10% of total mileage. Therefore, reducing the number of empty hauls has a positive effect on the environment, since less time spent on the road reduces the amount of pollution caused by vehicles. Additionally, reducing non-revenue mileage decreases the likelihood of traffic accidents and prolongs the vehicle's lifetime.

Improved vehicle maintenance

There are several ways in which vehicles pollute the environment besides exhaust gas emissions. From various fluid leaks to improper vehicle disposal, owning, operating and disposing of vehicles represents a certain kind of environmental responsibility for the company. Well-maintained vehicles can operate longer, pollute less and have a lower probability of malfunctioning during operation, which can have grave consequences for the environment in cases of dangerous or toxic cargos.

Are you ready to contribute to environmental preservation by implementing the Idrive Solutions?

Write to us or schedule a call with our consultant.

The Idrive System will help you determine who is wasting money and help your company to have active contribution to reduce consumption and environmental effects.

Go Green and save money!

Idrive Recycling Program

Recycling your old VEDR products and you may get something in return. Send us your old VEDR device and we'll recycle it responsibly for you.

Idrive X1 is designed to be environmental friendly and is RoHS compliant.

Because Idrive X1 is smaller, thinner, lighter product, we do more with less material and we are using only RoHS compliant components.

