

lytx.



LYTX SOLUTION SET:

A Safer, More Efficient Fleet with Machine Vision and Artificial Intelligence

lytx.com

Machine Vision and Artificial Intelligence

From unpredictable traffic conditions to bad weather, from locked delivery gates to unforeseen construction delays, your drivers deal with dozens of potential risks in the course of a day. Any of these risks can cause collisions or lawsuits, reduce your fleet's efficiency, and cost you money. Identifying potential risks is essential to taking steps to reduce them for a safe, productive, and effective fleet.

There are risks on the road and in the vehicle that traditional telematics sensors alone haven't been able to solve. In addition to traditional telematics sensors, the power of machine vision and artificial intelligence (MV+AI) provides an expanded view of risk to help reduce transportation's toughest problems like distracted and drowsy driving. Learn how Lytx's advanced telematics solutions can help you build a safer fleet.

The Solution

UNPARALLELED MV+AI TECHNOLOGY

Lytx® is an innovator in machine vision and artificial intelligence (MV+AI) technologies for commercial fleets. Machine vision sees and recognizes objects using one or more images. Artificial intelligence uses computer algorithms to interpret what machine vision sees.

At Lytx, algorithms are trained to identify risk using images from more than 100 billion miles of commercial driving that have been reviewed and tagged by

professional reviewers. Every day, Lytx collects 50 billion photos of real-world driving conditions to train its algorithms. With data spanning over 20 years, dozens of vehicle types, many different road conditions, and almost every weather condition conceivable, our MV+AI technology is built on the world's largest database of commercial vehicle driving data of its kind.

10 YEARS

of experience with MV+AI

100 BILLION+

miles of driving data captured

1 BILLION

miles driven every 20 days

100,000

risky driving events captured daily

50 BILLION

objects identified daily by Lytx MV+AI

165,000+

MV+AI capable devices

SEE MORE WITH MV+AI TRIGGERED VIDEO

Lytx event recorders automatically record driving events that can be detected by accelerometers, such as speeding or hard braking. But other events with low or no G-force, like rolling a stop sign, are not detected by an accelerometer.

To help identify some risks, our event recorders use machine vision to recognize objects and artificial intelligence to detect patterns. The event recorders can currently identify eight types of anomalous events. The four road-view event triggers included are:

- Rolling through a stop sign
- Departing a lane
- Violating proper following distance
- Entering critical distance

The four in-cab event triggers are:

- Not wearing a seat belt
- Smoking
- Eating and/or drinking
- Using a mobile device

MV+AI will trigger a video recording and, for certain behaviors, trigger an audio alert.

Our MV+AI triggers provide an expanded view of risk by identifying distracted driving behaviors that may lead to collisions, lawsuits, or customer complaints. This additional insight into your fleet can help you better coach and drive down risk.



Solution in Action

Suppose one of your drivers frequently rolls through stop signs in residential neighborhoods. Our MV+AI trigger for rolling a stop sign will detect and send events back to the office. Now you can coach the behavior before it results in traffic tickets or damage to your brand.

MORE PROCESSING POWER

Offering more processing power than ever before, our cloud-connected event recorders are designed to maximize speed and storage, while delivering the MV+AI-powered insights you need quickly. By combining edge computing (where the processing and response can happen in real time) with the power of the cloud (where data can be aggregated and analyzed for powerful insights), you can address the most urgent issues now and go back for more information later.

Edge computing within the device can alert drivers of time-sensitive risks when they occur so immediate action can be taken. If a driver is following too closely, for example, they can be alerted in real-time. The recorded behavior can also be sent through the cloud to your Lytx account where you can access and coach the driver on it later.



Hassle Free & Always Up to Date

Cloud connectivity also means that updating device firmware is never a to-do item. With Lytx, system and firmware updates are delivered over the air, ensuring your event recorder is always running the latest software without the need for manual updates or new hardware purchases. This saves you time and money.

Conclusion

By integrating MV+AI technology, human review, and an unparalleled set of commercial driving data, Lytx offers more insights into risk than ever before. Our advanced fleet management solutions provide you with the information you need to further reduce risk and take your driver safety program to the next level.

Why Choose Lytx:



LEADERSHIP

A pioneer and leader in the video telematics industry, Lytx holds over 140 issued and pending patents. Our technology is developed specifically for fleets and based on more than 100 billion miles of vehicle data, validated by human review.



INNOVATION

Our proprietary machine vision and artificial intelligence (MV+AI) technology draws on the world's largest database of commercial vehicle driving of its kind to expand your view of risk.



VERSATILITY

We offer configurable solutions to meet your specific business needs, delivering the right fleet management solution for small to enterprise businesses.

WARNING: The Lytx DriveCam® event recorders is a driver aid only and are not a substitute for a safe, conscientious driver. The Lytx DriveCam event recorder cannot compensate for a driver that is distracted, inattentive, or impaired by fatigue, drugs, or alcohol. Whether or not the Lytx DriveCam event recorder is in use, it is always the responsibility of the driver to take appropriate corrective action. Never wait for the Lytx DriveCam event recorder to provide a warning before taking measures to avoid an accident. Failure to do so can result in serious personal injury or death, or severe property damage.

*Subject to available cellular network coverage.