

A composite image of a city street at sunset. The scene is overlaid with a network of white lines and circles, representing a data or communication network. The sun is low on the horizon, casting a warm orange glow. In the foreground, there are several cars on a road, and a large truck is visible in the middle ground. The background shows city buildings and a hazy sky.

Cal/Amp®

CalAmp iOn™ Vision Service

Video Telematics Redefined

Presented by: Peter Nemeth

CalAmp iOn Vision Overview

Video telematics redefined and fully integrated for a safer fleet.

iOn Vision is the evolution of integrated video telematics solutions providing fleet operators actionable video insights based on inertial & AI determined visual events, which mitigate liabilities & improve fleet safety.



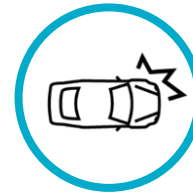
/ Actionable Video Intelligence



/ Integrated Video Telematics Solution



/ Customizable & Programmable



/ CrashBoxx™



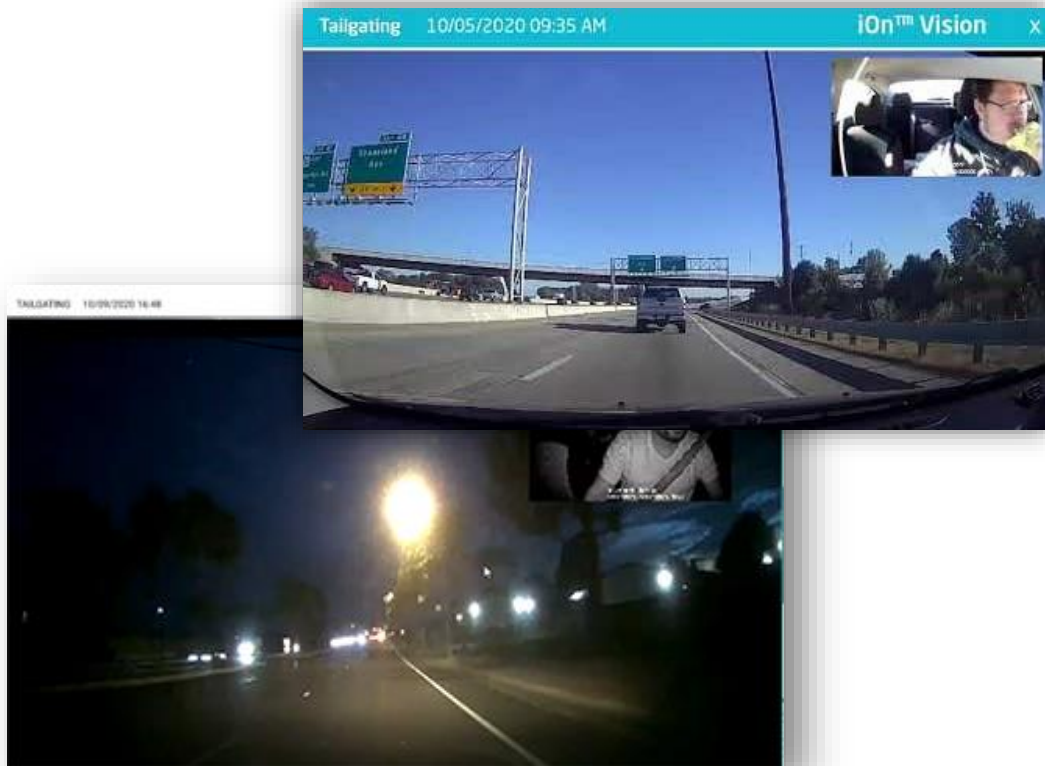
/ Lower Total Cost of Ownership

iOn Vision: Transform the way you see your fleet

Video captured from perfectly placed integrated smart cameras to see the road ahead & behind the wheel.



- 1 Front Camera:** Watching the road ahead with AI looking for indicators to record
- 2 Driver-Facing Camera (detachable):** See what is happening behind the wheel with all AI or LMU triggered events



Improve Fleet Safety with Video AI & In-cabin Notifications

Leverage the advanced AI capabilities to gain more insight into workforce driving habits.



Camera AI engine monitors driving conditions & record video clips for vision-based event triggers.

AI engine also powers the **in-cabin audio coaching** to improve fleet safety in real-time.



Speed limit violation



Tailgating



Stop sign violation



Lane drift

Telematics Intelligence to trigger video recordings

Customize the video capture events based on your unique customer needs



Harsh Braking



Leaving Distribution Center

PEG scriptable video triggers by:

- G-force events
- Location events
- Vehicle bus event

CrashBoxx™

- Integration of video clip into CrashBoxx accident report



Seat Belt Indicator



Accidents w/ CrashBoxx™

iOn Vision: Industry Recognition



Recipient of the 2020 IoT Evolution Product of the Year Award
IoT Evolution World



CalAmp iOn Vision TSP Solution Components

Edge devices have been upgraded to monitor mobile assets remotely & backed by robust system integrations.

Devices



LMU 3240

Robust next generation
OBD Wi-Fi telematics
[<Spec Sheet>](#)



SCU 120

Wi-Fi connected road and
detachable driver facing
smart cameras with built-in
vision triggers

Future devices supporting service: LM-5541, LMU-3650*

iOn Vision Solution



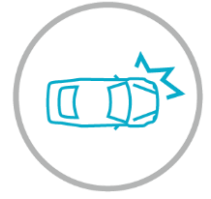
API Integration

Documented and
published secure RESTful
APIs allow easy integration
with your application



CTC – DM & Video

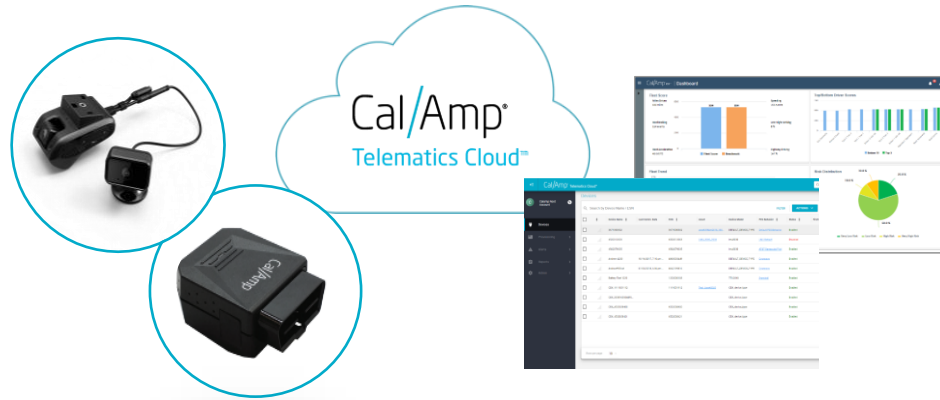
Gain simplified management
of telematics devices (video
hosting, file downloads,
device location updates, and
account management)



CrashBoxx™

Instant crash alerts
built w/ severity
estimation, accident
reconstruction, and
video recordings

CalAmp iOn Vision Telematics Service



Improve fleet safety w/ proactive driver coaching



Exonerate drivers involved in accidents



Improve insurance claim processing



Reduce operational costs & increase fleet efficiency

Why Leverage CalAmp for Video

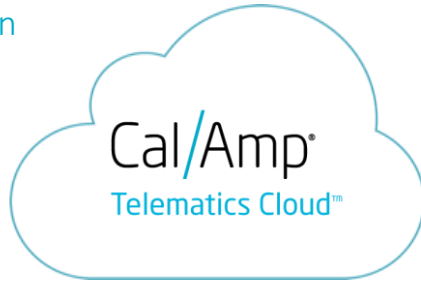
- 1 Leverage actionable video clips created by **Advanced Artificial Intelligence** video analysis
- 2 **Cost-effective** video telematics solution
- 3 Manage **risky driver behavior** with **actionable** video intelligence
- 4 Get the “full view” with **visual, inertial, and CrashBoxx** triggered video clips
- 5 **Customize** and **program** video consumption based on your needs

iOn Vision TSP Integrated Service Details

Leverage the integrated service to offer a variety of use-cases to your customers quickly and efficiently.



API Integration



CTC



Service Features



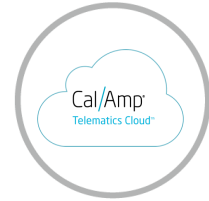
Authentication & Security



Standard (JSON) APIs and Web hooks



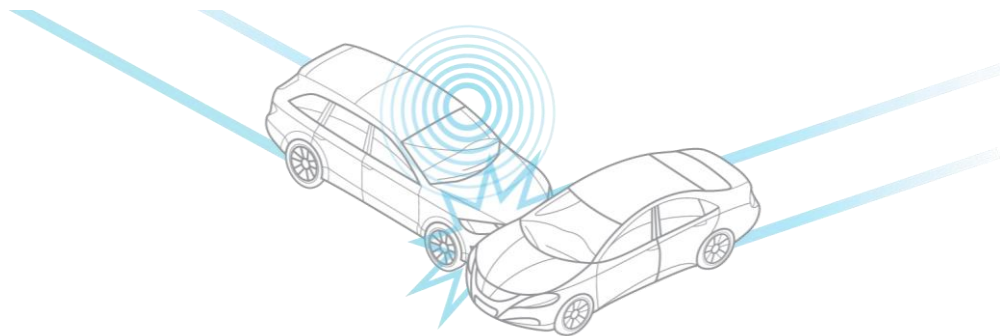
Video Event Configurability (duration, resolution, DVR/ E-DVR etc..) & Asset grouping



Cloud Hosted Video data

The Value of CrashBoxx™ included with iOn Vision

Instant Crash Alerts & Crash Video Recordings takes fleet safety efforts to the next level



Instant Crash Alerts

- Mobile & desktop-based alerting
- 96% system reliability



Severity Estimation

- Know level of impact and estimated severity
- 99% crash algorithm reliability



Accident Reconstruction

- Key crash metrics, with data capture 20 seconds pre and 20 seconds post event + Video Recordings with iOn Vision solution
- OEM performance in an aftermarket platform

Independent Testing, Certifications & Industry Recognition



Technical and testing arm of Spain's #1 insurer, Mapfre
Certified for automatic crash reporting performance and reliability.



Technical and testing arm of Italy's #1 insurer, Generali Group
Multi mode crash test series and road trials¹



Finalist Best Mobile Innovation for Automotive

BARCELONA 27 FEB - 2 MAR 2017

iOn Vision Journey – The driver that needs coaching



Start of Day

- / LMU & Smart Camera (Connected over Wi- Fi) ready to capture data for the day



Driver runs a stop sign

- / In-cabin Alert triggered
- / Video clip saved w/ driving data



Driver slams on the breaks due to vehicle cutting in front of them

- / In-cabin Alert triggered
- / Video clip saved w/ driving data



Driver is tailgating a vehicle on the freeway

- / In-cabin Alert triggered
- / Video clip saved w/ driving data



Driver returns to office for equipment

- / Telematics Data & video clips pushed to cloud
- / Video clips available for fleet manager review



Driver swerved to avoid vehicle that cut in front but hit another vehicle

- / Crashboxx™ on the LMU is activated
- / Video clip saved w/ accident data captured and labelled appropriately



Vehicle turned off after accident

- / Telematics Data & video clips pushed to cloud via LMU shared data plan
- / Video clips available for fleet manager review



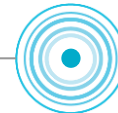
Fleet Manger initiates insurance claims process using data from Crashboxx & Vision Camera

- / Provides video clips of accident to provide context of accident to insurance provider
- / Removes accident responsibility & associated costs & insurance penalties



Fleet manager provide coaching for event triggered events with video clips

- / Shows clips with driver to illustrate opportunities for improvement
- / Improves driver awareness & fleet safety



Easy-to-use iOn Vision Installation App



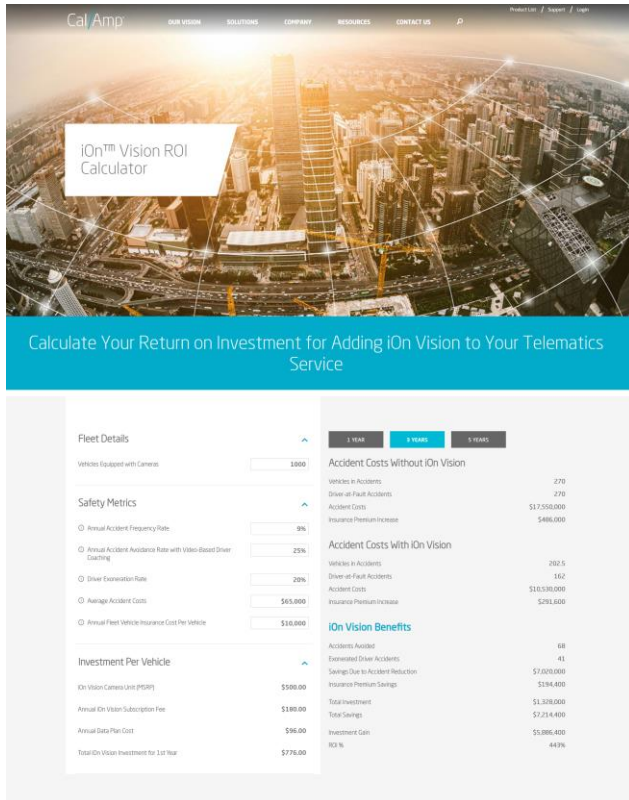
Install iOn Vision
like a Pro



- /1 Quickly connect mobile device to cameras
- /2 Pair cameras & installed telematics devices
- /3 Adjust the cameras looking at the live feed for optimal video capture

iOn Vision ROI

Realize the significant return on investment when incorporating iOn Vision onto your fleet telematics solution.



Example Assumption

1,000 vehicles with cameras

Accident Frequency Rate: 9%

Accident Avoidance Rate with Video Telematics: 25%*

68 Accidents Avoided

41 Accidents Exonerated

\$7,214,400 Net savings over **3** year

443% ROI

Examine More Assumptions 

Want a demo or have
questions?

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Thank You