

# Drive360 Camera

Ideal use-case for this device: Light-Duty and Heavy-Duty vehicles



The Drive360 camera is a single lens 360-degree panorama automotive security camera, installed in trucks/cars behind the rear-view mirror. The Drive360 provides live tracking and camera capabilities in one easy to install device.

The Drive360 camera reports tracking and camera events, including Ignition Status, Power Events, Speeding Events, and more. Each event is recorded and stored in the camera's SD card using FIFO (first in first out) functionality. The camera gives the user the ability to request video clips for Ignition On/Off, Stop (Idle) Begin/End, Harsh/Severe Acceleration, Harsh/Severe Brake, Harsh/Severe Turn, Speeding Events, Collision and Manual Events.

## Key Features

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- Single 360 Surround View Camera
- Able to detect, record and transmit harsh driving behavior
- Class 10 SD, up to 512G; Dual size-configurable loop recording buffer: Footage + Event
- 4G LTE Connectivity

# DRIVE360 Specifications

## VIDEO

<b>Camera</b>	Single 360 surround view camera
<b>Camera Video</b>	2048 x 2048 @ 30fps
<b>Event Recording</b>	Ability to detect, record and transmit harsh driving behavior via cellular network
<b>Speaker and Mic</b>	Text-to-Speech (Software Upgradable)
<b>Connectivity</b>	4G LTE
<b>Integration</b>	Yes
<b>Maintenance</b>	OTA

## INTEGRATION

<b>Cloud Support</b>	AWS based cloud support
<b>API</b>	REST API for all fleet needed video features
<b>Video Cloud Support</b>	Solution supports video from the camera to cloud; APIs enable retrieval of data/videos; Videos can be archived after 60days All data/video transmission is encrypted.

## RECORDING AND EVENTS

<b>Loop Recording</b>	Loop records (in SD card) all videos and in-cab audio continuously
<b>Event Recording</b>	Remote configurable Events Levels: LOW, MEDIUM, HIGH, DEFAULT, SLIGHT, HEAVY Pre-event & video length : configurable (6 to 15 secs); default 8 secs; Post-event & video length : configurable (6 to 15 secs); default 8 secs
<b>Accelerometer Events</b>	Harsh braking and acceleration; Sharp turn; Parking hit; Driving hit
<b>High/Low Trigger levels</b>	With Bluetooth or Fleet AUX
<b>Event Triggers</b>	Panic Button (Bluetooth or Fleet AUX)
<b>Event Video Clip Time</b>	External Digit Input (Fleet AUX)
<b>Events Meta Data</b>	Yes
<b>Health Check</b>	Real-Time

## HARDWARE

<b>Operating Temperature</b>	-20°C to +70 °C, parking mode; -20 °C to 45°C, driving mode.
<b>Storage Temperature</b>	20°C to +80 °C
<b>Modem</b>	North America
<b>Dimensions</b>	4 X 3.8 X 4 inches
<b>Video Quality</b>	Resolution: 2048x2048; Frame rate: 30fps; FOV: 220°; Codec: H.264; Bitrate: Configurable; Aperture: F2.0
<b>Storage</b>	Class 10 SD, up to 512G; Dual size-configurable loop recording buffer: Footage + Event
<b>Status Indicator</b>	Three color LEDs
<b>Temper Resistant</b>	A temper prover to stop unplug the cable/SIM card. A cover stop the removal of SD card
<b>Accelerometer</b>	3 axis g-force sensor; 256 level Bosch G-sensor; Configurable 3 levels of severity; Accelerometer should be capable of auto-calibration
<b>GPS</b>	Yes
<b>Power &amp; Battery Drain</b>	Power Supply: 12V; 4G Standby: 8mA; 4G Recording: 1000mA; Operating Voltage Range: 11.8V ~36V. Shutdown when lower than 11.8V
<b>Microphone</b>	95dB

  

<b>INSTALLATION</b>	
<b>Mount</b>	Fixed mount that locks in dashcam orientation.
<b>Installation</b>	Self-install iw/minto technical ability (3 Wire). Windshield attachment is with industrial grade adhesive tape. OBD-II with Pass Thru cable.
<b>Power</b>	Directly from vehicle battery via wire; allows easy RMA when needed.
<b>SD Card Replacement</b>	SD card replacement need to be done by fleet mechanics with special tool.