

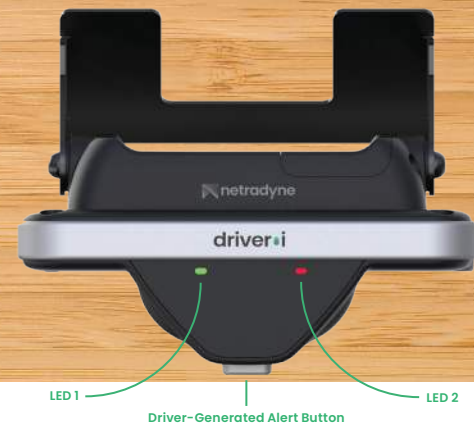
# Driver*•*i D-211

## Technical Specifications

Outward View



Inward View



### Overview

The Driver*•*i® D-211 is a best-in-class dash cam that uses edge computing and artificial intelligence (AI) to help fleet-based companies increase their performance through higher levels of safety. Installed behind the rear-view mirror and powered by the vehicle's battery through a custom power cable, the device connects to the CAN bus to collect vehicle data through the protocols OBD II and J1939.

With its road-facing camera enabled by default when the vehicle is in operation, D-211 records and generates real-time safety alerts that instantly lead to a better driving behavior. These automatic alerts are created through the on-the-device processing of the recorded videos and other accelerometer data by Netradyne's patented machine learning algorithms. (A button can also be pressed to create user-generated alerts.)

The alerts for the detected unsafe road and driving behavior events, together with the supporting processed data, are uploaded to the Netradyne cloud and made available as actionable data and insights to the fleet and safety managers through the IDMS dashboard.

### Features

- **Tested Operating Temperature:** -4° F to 131° F / -20°C to 55°C
- **Octacore CPU+ GPU / DSP for Edge computing.**
- **Auto-grade sensor with 120dB of HDR performance and Full HD imaging**
- **Connectivity – LTE/ WiFi / BT.**
- **2 LED indicators to represent device state.**
- **Integrated Speaker for Alerts.**
- **2GB RAM + 64GB/128GB InternalStorage**
- **Inertialsensors (Accelerometer and Gyro), Thermalsensor**
- **Location Services: Galileo, Glonass, GPS**

### Physical Dimensions

Length x Width x Height	127mm x 96.2mm x 45.4mm / 5 x 3.78 x 1.78 in
Color	Black
Case Material	Polycarbonate (PC)
Power Cable Length	3 meters
Power Cable Thickness	4.35mm / 0.17 in
Weight	D-211: 610 grams, GPS/Wireless Module:284 grams
ISO 16750-3, IEC 60068-2-64 Compliant	



Power Adaptor

GPS Cellular Module

## RAM and Storage

Storage	50/75/100 hours
---------	-----------------

## Electrical Specification

Input Voltage	10V-30V
Input current (full operation)	12V / 2A
Max Power Consumption	22W
Signal Input – High Voltage (Pos)	+17V
Signal Input – Low Voltage (Neg)	+7V
Operating Temperature	-20°C to +55°C

### Active Mode Power Consumption

Peak Current (A)	1.8A @ 12V
RMS Current (A)	0.7A @ 12V
Peak Power (W)	21.6W
RMS Power (W)	8.4W

### Periodic Wake-up Mode Power Consumption\*\*

Peak Current (A)	1.04A @ 12V
RMS Current (A)	0.47A @ 12V
Peak Power (W)	12.48W
RMS Power (W)	5.64W

### Shutdown Mode Power Consumption

Current (A)	9mA @ 12V
Power (W)	108mV
Average Power consumption***	23.9mAh***

## Accessories

Compatible with EZ Install
Accessories Compatible with Driver+iHub

## Wireless Connectivity & IO

LTE Connectivity	4G-LTE - Bands 2, 4, 12, 66, 71
SIM Connector	Yes, micro SIM
Wi-Fi	802.11 ac
Bluetooth	v4.0
GPS Receiver Antenna	True GPS Antenna
Connectors	USB (with OTG Support), Power Jack, microSD

## Mechanical Shock

Pulse Type	Half Sinusoidal
Accelerator	50gm
Pulse Duration	6ms
Number of shocks per axis	20 Nos (10 Positive and 10 Negative)

## Camera Specifications

Camera	Outward
Pixel Size	2.8µm OmniBSI-2 pixel
Dynamic Range	120dB HDR
Field of view	74° (H) 57° (V) 90° (D)
Construction	6G - Visible

## Battery Consumption

3 minutes for every 360minutes	12.8mAh
6 minutes for every 180 minutes	23.9mAh

## Processor Specifications

CPU	64-bit ARM® Octa Core
Video Encoding H.265	1080p
Sensors	IMU - Accelerometer + Gyro + Compass, Temperature, Ambient Light

## Fuse Recommendations

VBAT Line	5A
Ignition Line	2A

\* These values are measured at room temperature of +25°C

\*\* Power Consumption (6 min/ every 3 hours after vehicle shutdown)

\*\*\* As per default Periodic wake-up Mode defined in \*\* with ignition off

