

Cipia-FS10 Plus

AI-powered video telematics
safety solution for fleets



Driver ID: Jake R.

Distraction: NO
Seatbelt: NO
Drowsiness: NO
Smoking: NO
Cellphone: NO

Eye openness: 92%
Blinks per minute: 16
Gaze vector: 3°, 4°

Pitch: -3°

Roll: 6°

Yaw: 0°



Meet the new Cipia-FS10 Plus

Introducing the new Cipia-FS10 Plus, an advanced video telematics device specifically designed for fleets. Cipia-FS10 Plus offers AI-based driver monitoring (DMS), and now, a new optional road-facing camera.

Driver monitoring system and beyond

Cipia's driver monitoring system (DMS) is enabled using Cipia's advanced computer vision and AI software, together with the Cipia-FS10's in-cabin sensor. The system detects driver drowsiness, distraction, seatbelt usage, smoking, and holding a phone while driving, and provides real-time alerts to the driver while offering tailored fleet manager alerts and insights via FSCloud, Cipia's new cloud-based dashboard, or the existing fleet management server.

In addition to the core DMS features, Cipia-FS10 also

offers driver recognition for enrolled drivers.

Cipia's driver monitoring system has been selected by many carmakers (OEMs) worldwide, including a leading European commercial vehicle OEM manufacturing trucks and buses for the global market. Cipia was selected due to its high quality, robustness, avoidance of false alerts, and compliance with demanding automotive standards. Cipia's technology is deployed in vehicles on the roads today.



Distraction



Drowsiness



Seatbelt



Phone



Smoking



Identity



Camera status



Dash Cam

Road-facing camera

Cipia-FS10 Plus now offers an optional road-facing camera.

With this new add-on, telematics service providers and fleets can benefit from the following features:

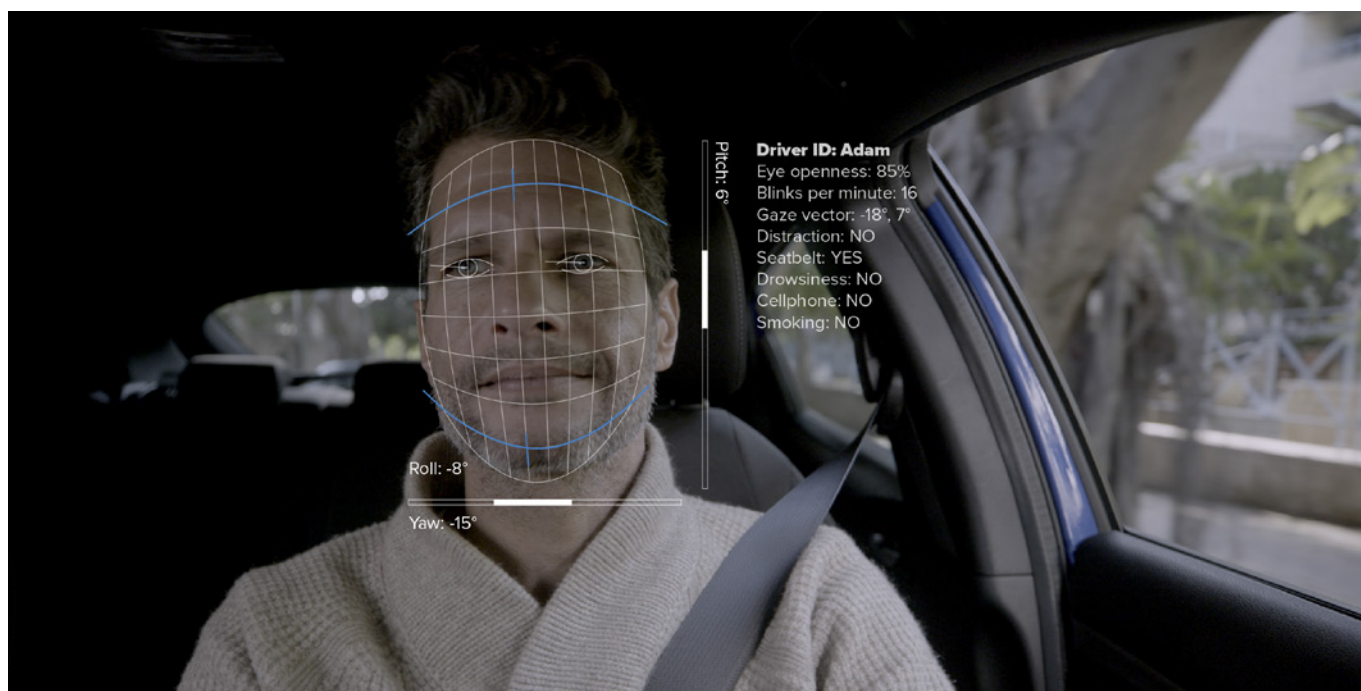
Dashcam video recording, providing footage of the road ahead.

Capturing of road-facing snapshots/footage at the time of a DMS-detected event (such as distracted or drowsy driving).

Integration with Mobileye ADAS device* to provide fleet managers and dispatchers with road-facing snapshot/footage from the time of a Mobileye ADAS detected event.

These three options can be enabled simultaneously, offering customers maximum flexibility and value.

** The Mobileye device is not provided, installed, sold or distributed by Cipia. Integration with Mobileye 6 and Mobileye 8 is available.*



The device



CIPIA-FS10 highlights

Robust DMS

Cipia is a leading provider of driver monitoring solutions to vehicle manufacturers (OEMs) worldwide. Cipia's underlying driver monitoring technology is designed to meet the safety standards and regulations which automotive OEMs are facing, including Euro NCAP and the European General Safety Regulations. Accuracy (low or no false positives) and reliability are key OEM requirements in this regard.

Designed for fleets

Fleet managers can customize alerts by filtering and creating rules that define which alerts are sent to the server, avoiding overwhelming dispatchers with unnecessary notifications. Cipia-FS10 Plus features a tamper-proof design that helps ensure the continued accuracy and reliability of its driver monitoring functions. The device can detect and report any loss of calibration in the in-cabin camera, as well as visual interference on the lens or any attempts at tampering.

Incident reconstruction

In case of an incident or accident, Cipia-FS10 Plus can provide footage on demand from both in-cabin and road-facing cameras, allowing fleet managers to see a complete picture of the event, thus providing an accurate understanding of what happened.

Hybrid communication mode: Reduce data costs by up to 99%

Cipia-FS10 Plus provides a Hybrid Communication mode that can dramatically reduce data costs for fleets. With this feature, alerts and photo snapshots can be sent in real time using LTE or RS-232, while video uploading, and firmware OTA updates will only be performed when the vehicle is in a pre-configured, secure Wi-Fi network (for example at the company's parking lot) This way, fleets can save on data usage without compromising critical real-time functions.

Privacy

All video processing for the detection of DMS events is done locally on the device in real time. Fleet and telematics service providers have the option to receive text-based alerts only, or include pictures and video snippets in the event of a triggered event, giving them greater flexibility and control over the level of detail they receive, and allowing adherence to any privacy constraints.

Easy installation & integration

Cipia-FS10 Plus provides easy and quick installation through a user-friendly Installer App.



Easy installation using App
(Mobile / Tablet)



The Cipia-FS10 Plus
device



Cipia-FS10 Plus connects to
the FMS Cloud Server or Cipia
FSCloud



Data from Cipia-FS10 Plus
integrated into FSCloud or
customer's dashboard

Installation

Simple mounting of the device via adjustable mount.

An iOS/Android installer app is used for quick & easy installation and calibration.

Enrollment of fleet drivers can be done by the installer or triggered remotely through the fleet manager's console.

Connectivity

Using cloud connectivity, direct and real-time flow of data is sent to the fleet management server (available for LTE models).

Easy connection to the in-vehicle telematics box using RS232, Bluetooth or Wi-Fi.

*Integration with Mobileye aftermarket ADAS available.

Alerts & reporting

Real-time audio and visual driver alerts. Fleet manager alerts (configurable).

Real-time data flow from the Cipia-FS10 Plus to the fleet management server.

In-cabin and road-facing camera status notifications, allowing quick response to disconnected, tampered cameras or loss of calibration.

Cipia-FS10 Models

Cipia-FS10 is available with or without LTE connectivity. It can be used for in-cabin driver monitoring only, or with an added road-facing camera. The road-facing camera is available as a dashcam video recorder or integrated with the fleet's aftermarket Mobileye ADAS*.

Cipia FS10

Video Telematics - DMS



DMS

Cipia FS10 Plus

Video Telematics – DMS + Dashcam



DMS

Dash Cam

Cipia FS10 Plus

Video Telematics – DMS + Dashcam



DMS

Dash Cam

Mobileye integration*

* Note: Mobileye device purchase, installation, and distribution are not done via Cipia.



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